

9/2/98
11:30
8/89 11:00

9-2-98 needs house conn (KM)

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 510640

A 41813

DISTRICT 3rd

DATE 8-24-98

03-321592

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 9/29/99

INSPECTOR [Signature]

INDEXED

Olen Kettermann IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144 Woodbine, Maryland 21797 PHONE (410) 442-1336

SUBDIVISION W. Friendship Estates LOT 63 ROAD 3325 Great Valley Drive

PROPERTY OWNER Selfridge Builders TIM RIEU

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS **MANHOLE CLEANOUT REQUIRED ON SEPTIC TANK**

NUMBER OF BEDROOMS 4 "REQUESTED BY APPLICANT INCREASE IN SEPTIC SYSTEM SIZE"

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from the right rear lot corner, place the distribution box 95 feet up the right (302.11') lot line and 10 feet off this same lot line. Run trenches on contour toward right rear corner.

NOTES - No trench to exceed 100 feet in length.

OK KM 7.29.98

PLANS APPROVED BY Donna K. Soe/Mark Rifkin REVISED _____ DATE 7/16/98

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**

PERMIT SIGNED AND RETURNED 8-26-99
[Signature] 8/10/2014
[Signature]

41813

6/4/98
10:00
5/19/98

APPLICATION

PERCOLATION TESTING

510137

P _____

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

5-12-98
Purpose: Adjust
recorded SDA
ALM

DISTRICT _____

DATE 5/11/98

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 Tim & Kim Rieu Selfridge Builders

ADDRESS 3325 Great Valley Drive PHONE 410-992-8282

AGENT OR PROSPECTIVE BUYER Builder Selfridge Builders

ADDRESS 14045 Gared Drive PHONE 410-992-8282

PROPERTY LOCATION:

SUBDIVISION West Friendship Estates LOT NO. 63

ROAD AND DESCRIPTION

(3325 GREAT VALLEY DRIVE)

TAX MAP 22 PARCEL # 556

SIZE OF LOT 60,891 SF TYPE BLDG. SFD-3 Bed
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BIDD. PERMIT SIGNED

AND RETURNED 5-29-98

Serial # 21111011

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 _____

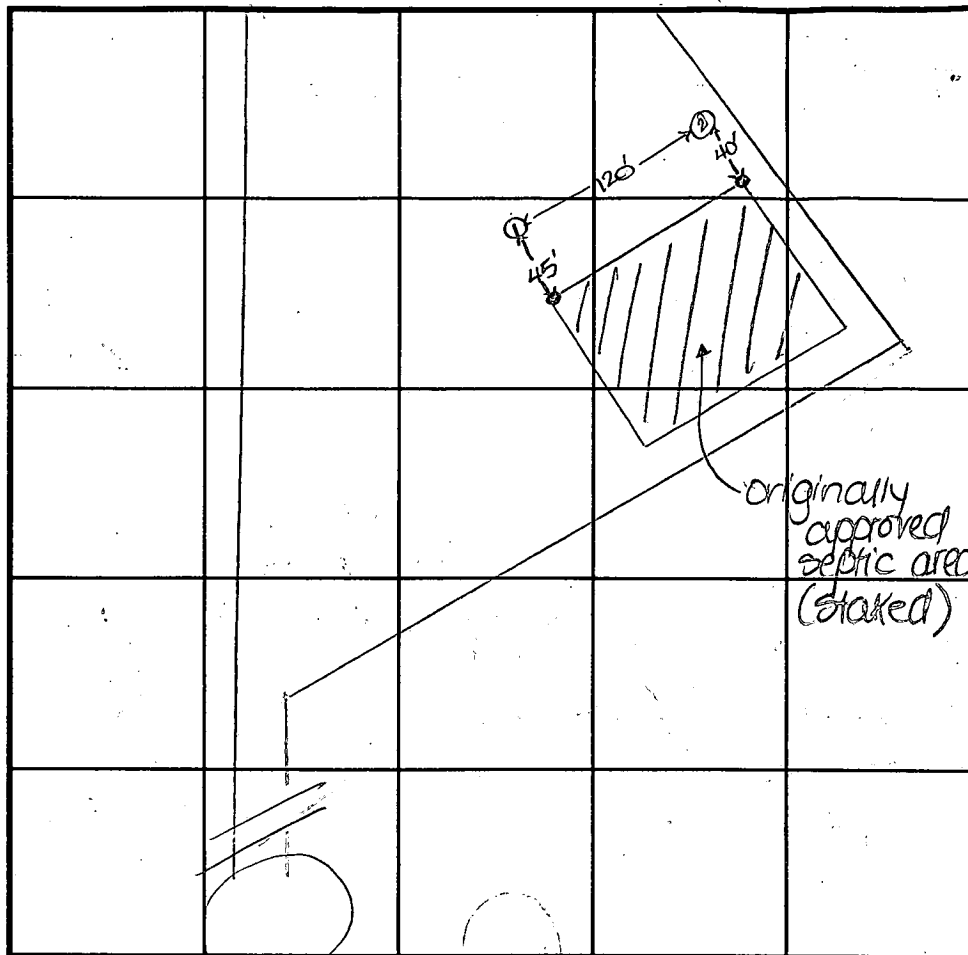
THIS IS NOT A PERMIT

510137

COUNTY #

SOIL PROFILE

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Great Valley Drive

SOIL PROFILE ①

0' topsoil

1' red org
brn
cl lm

4.5' pale org
tan
si lm

25%
Ry
frag

SOIL PROFILE ②

0' topsoil

1' red org
brn
si lm

4.5' med
red
brn
si lm

15-20%
Ry
frag

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-19-98	1	12.5'D	Visual	—	—	—	OK
	2	12.5'D	Visual	—	—	—	OK

REMARKS _____

TYPE OF SOIL _____

TESTED BY D. See ALSO PRESENT O. Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME N/A TRENCH WIDTH 3

INLET DEPTH 5.0 MAXIMUM BOTTOM DEPTH 7.0 SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 41813

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

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 PRISCILLA CLAGETT AND AVIS PFEFFERKORN

^{cb}
ADDRESS 14000 CASTLE BOULEVARD SILVER SPRING PHONE 202-890-6077
MARYLAND 20904

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION BUENA VISTA FARM ESTATES LOT NO. 20 Sec 1

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

TAX MAP 22 PARCEL # 8

SIZE OF LOT 4.8 AC. TYPE BLDG. SFD
(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]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

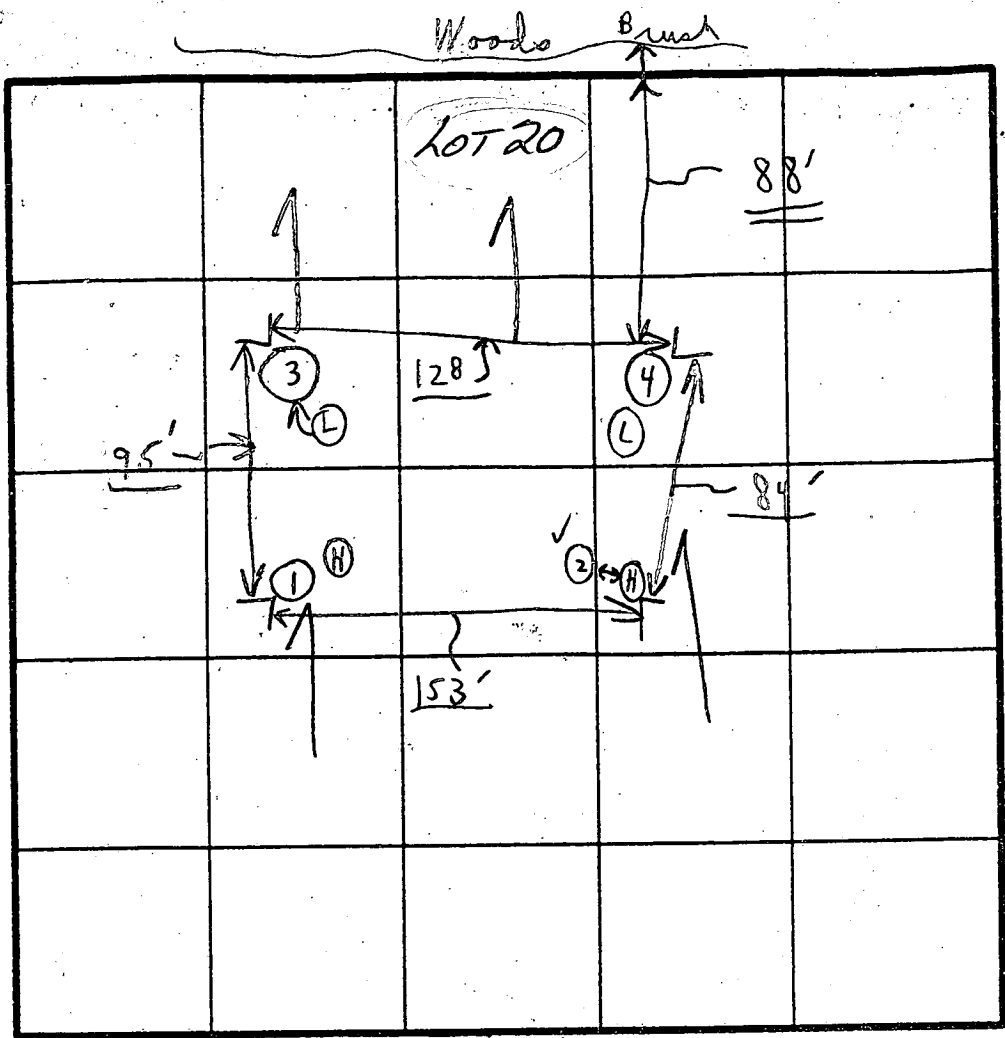
THIS IS NOT A PERMIT

#41813

#20

SOIL PROFILE

T.S.
 clay
 Light
 Loam
 No STONE
 TO
 BOTTOM



300 ft²/bdrm
 3' wide
 INLET @
 6'
 BOTTOM @
 8'

① 13
 ② 13 1/2
 ③ 13
 ④ 13

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

S... Dae.
 CLAY TO 5'
 CLAY TO 5 1/2'
 CLAY TO 6 1/2'
 CLAY TO

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/17/88	1A	5'	2:28	2:31	2:31	2:49	18m
#422	20 ✓ 1B (H)	13'	Visual		Loam		
	2A	5 1/2'	2:45	2:46	2:46	2:48	2 min
	2B (H)	8 1/2'	2:37	2:40	2:40	2:44	4 min ← Deep 13 1/2'
	20 ✓ 3A (H)	6 1/2'	2:30	2:35	2:35	3:00	25m
	(L) 3B (20)	13'	Visual		Loam		
	4A (H)	5'	2:34	2:49	2:49	3:15	26m
	(L) 4B (20)	13'	Visual		Loam		

Deep 13 1/2'

6'-8'

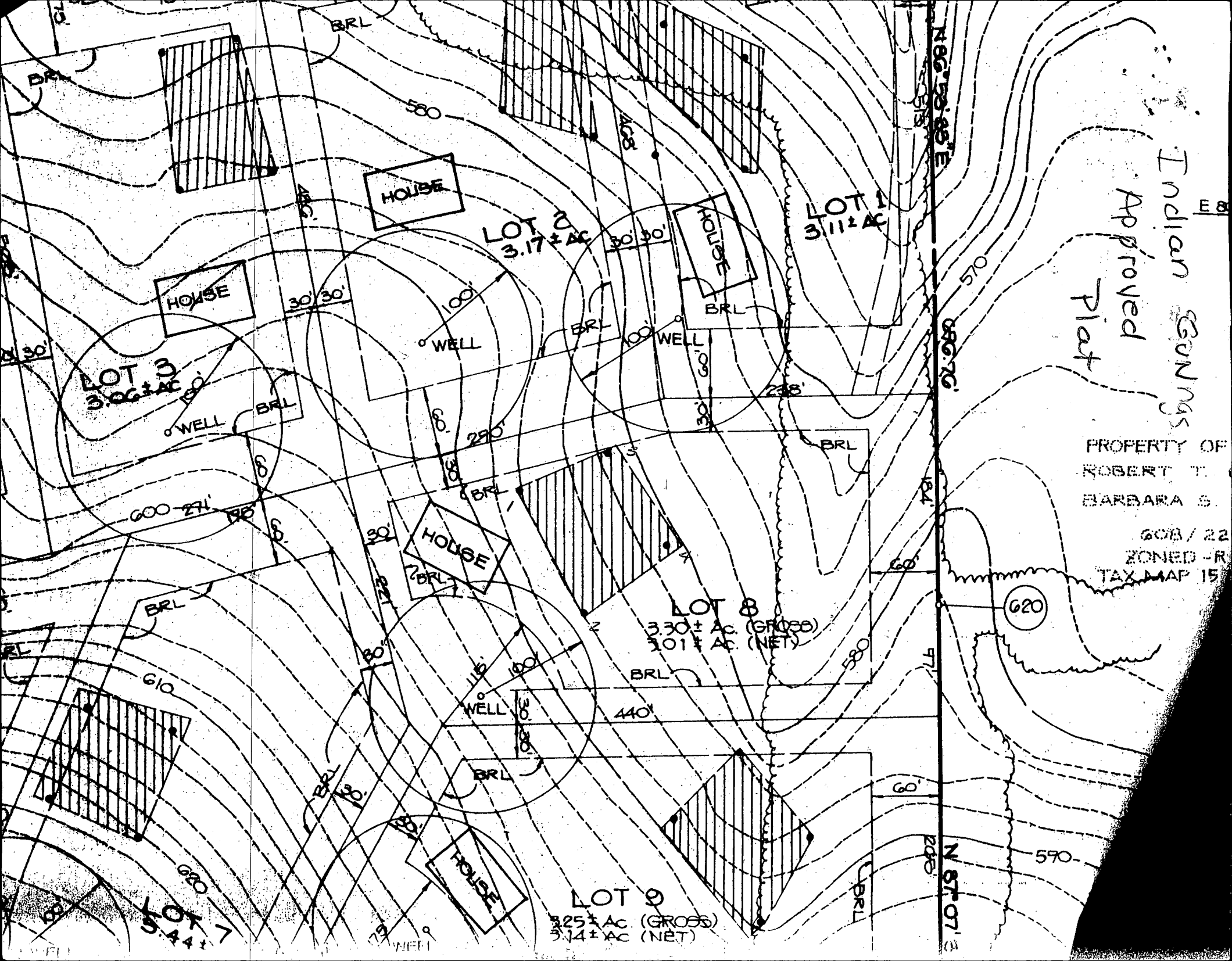
REMARKS: Note (all tests in open) + per stakes

TYPE OF SOIL: _____

TESTED BY: C. B. D.

ALSO PRESENT: (See #25)

EH-12-1079

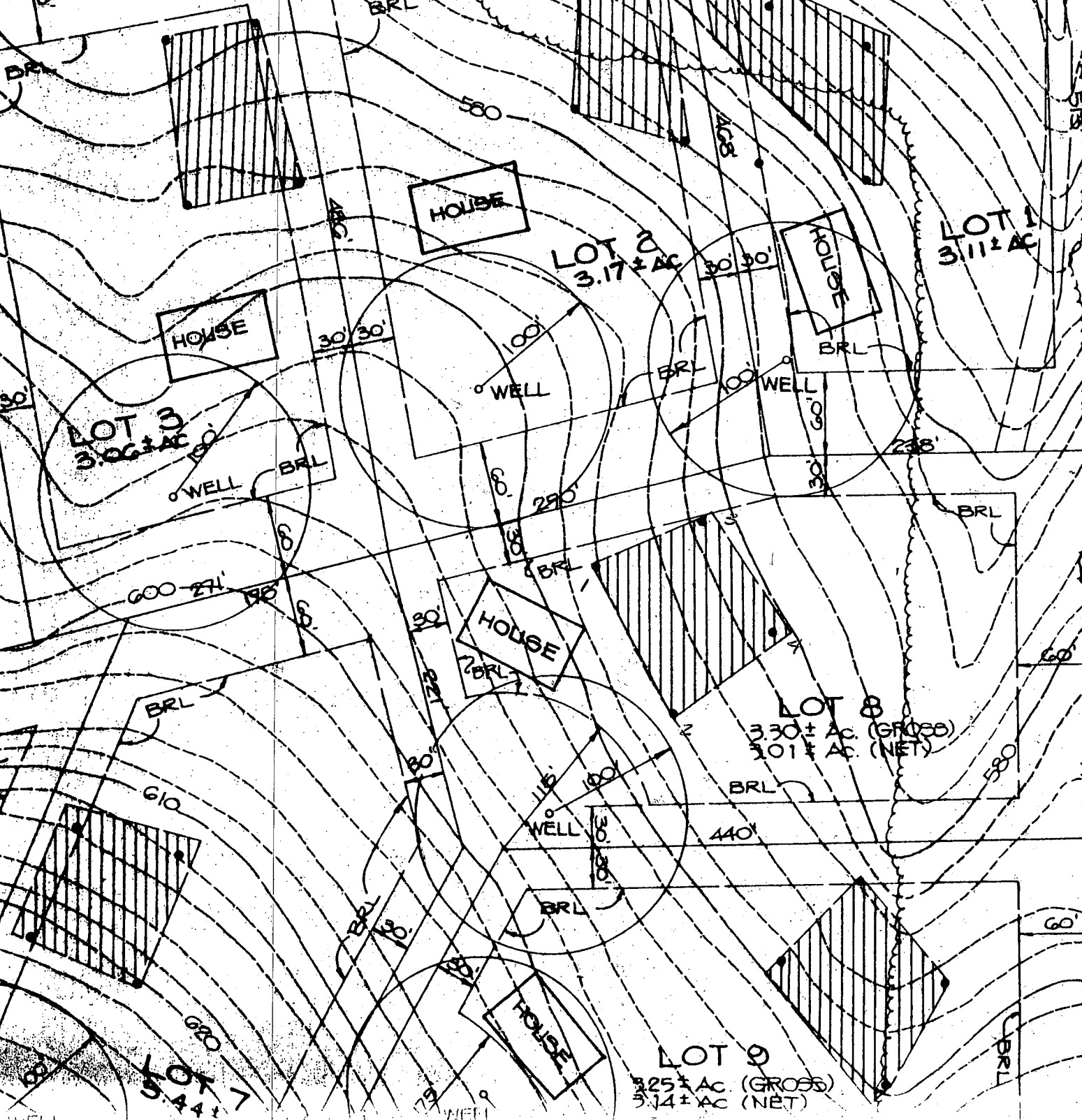


Indian CONINGS
Approved
Plan

PROPERTY OF
ROBERT T.
BARBARA S.
608 / 22
ZONED - R
TAX MAP 15

620

N 86° 59' 43" E
886.76'
890.76'
N 87° 07' 30" E
2402'



**SELFRIDGE
BUILDERS**

*Health
Dept*

Monday, June 29, 1998

AVIS L. CORBIN, CHIEF
Licenses & Permits Division
Dept. of Inspections, Licenses & Permits

George Howard Building
3430 Court House Drive
Ellicott City, MD. 21043

Dear Ms. Corbin:

We would like to submit the following revised plot plan for Building Permit #B00111011 located at 3325 Great Valley Drive Westfriendship, MD. 21794 located in Howard County. Revision is due to the relocation of the house on the site from the original submitted plot plan. Please distribute to all necessary depts. and call if there are any questions. Thankyou!

Bernard D'Aleo (410)-992-8282
Production Assistant

Bernard D'Aleo

*7/29/98 proposed relocation of house site
OK as shown - shall not impact
well or septic system. (DIA)*

**FISHER, COLLINS
& CARTER, INC.**

CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS

Terrell A. Fisher, PE., L.S.
Earl D. Collins, PE.
Ronald B. Carter, L.S.
Charles J. Crovo, Sr., PE., L.S.

Transmittal

VIA: Fax Mail Messenger E-mail To be picked up
 Fax(original to follow via U.S. Mail) Other

To: *Kim Soo Health Dept*

Attn:

From: *KEITH FRALIC* CC:

Re: *WEST FRIENDSHIP ESTATES* Pages: *2*

Phone: Date: *4-27-98*

Fax: *410-313-2648* WO #:

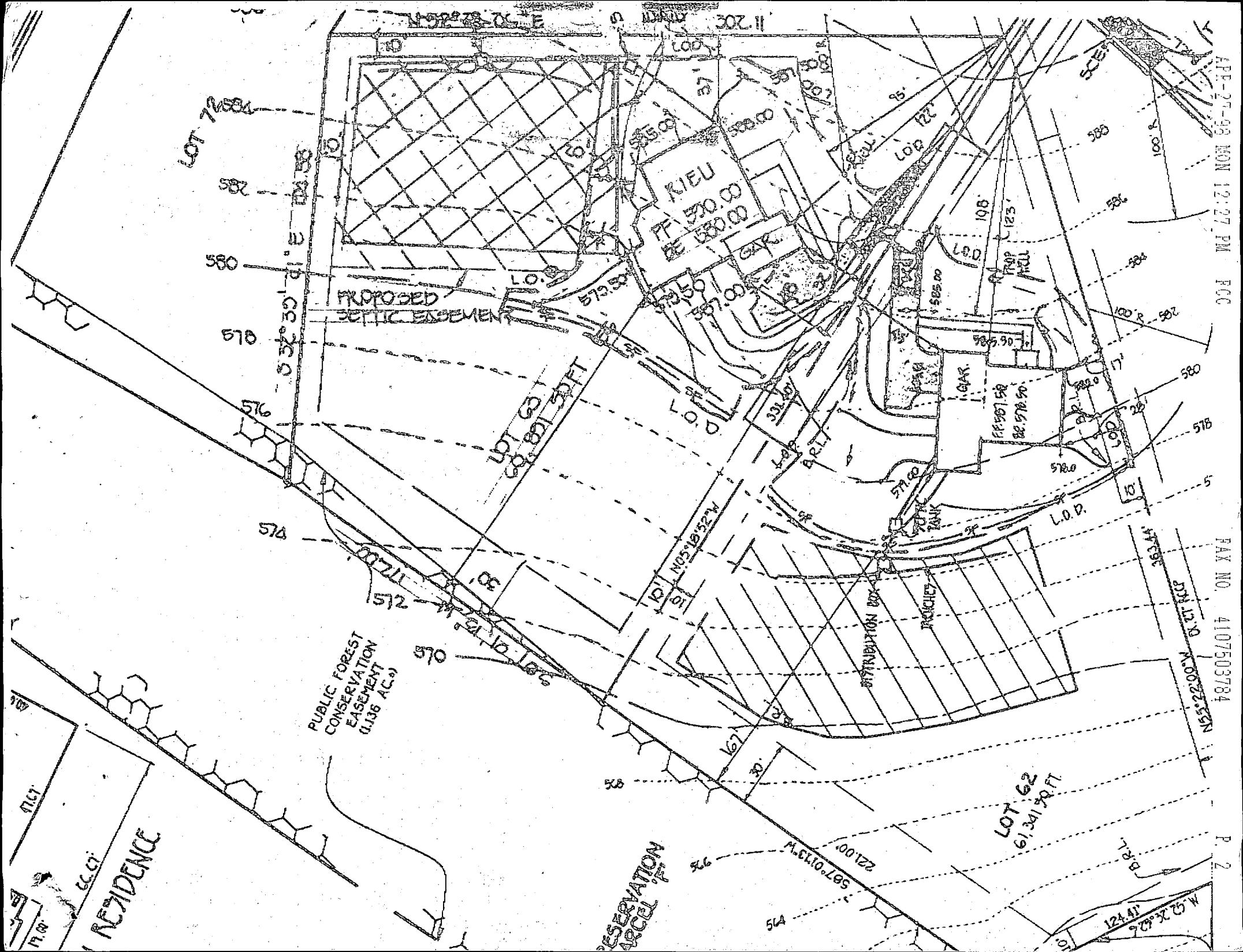
We are forwarding: Prints Copy of letter Specifications
 Shop drawings Other

Urgent For your review and comment For your use As requested

Remarks:

*lot 63 showing revised house location
in relation to existing wall and
septic field. please note revision
to septic field in order to
maintain 20 min from septic field
to dwelling*

*5/5/98 9:50 a.m. - called Keith to tell him that
revision looks ok - just needs to go through
BP revision process (DKS)*



LOT 7

PROPOSED
SETBACK EASEMENT

PUBLIC FOREST
CONSERVATION
EASEMENT
(1.136 AC.)

RIEU
570.00
580.00

RESIDENCE

RESERVATION
PARCEL

LOT 29
1.14 AC. 19
61,341 SQ. FT.

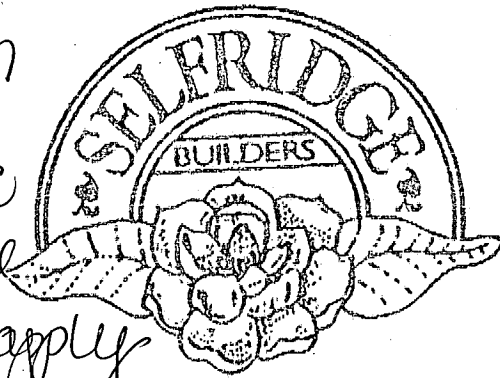
APR-27-98 MON 12:27 PM FCC
FAX NO. 4107503784

P. 2

5/6/98 10:15 a.m.

Spoke to Tim Ragen

- I explained that relocation of septic area would require retesting. He will apply for retesting and pay test fee



James H. Seifridge Builders, Inc.
14045 Gared Drive
Glenwood, Maryland 21738
410-992-8282
fax 410-992-8287

FAX TRANSMITTAL SHEET

TO: Amy
FROM: TIM RAGEN
SUBJECT: Lot 63 West Friendship Estates
DATE: 5/5/98

NUMBER OF PAGES INCLUDING COVER SHEET: 02

ADDITIONAL INFORMATION: Amy, REGARDING SEWER
ENLARGEMENT relocation ... Do we have perc
holes close enough to allow relocation as
shown or do you need additional perc
holes? Please call? let me know so
I can inform? ADVISE THE HOMEOWNER.

Thanks

TIM
SIGNATURE

LOT WEST FRIENDSHIP MD Lot # 63

PUBLIC FOREST CONSERVATION EASEMENT (1.136 AC.)

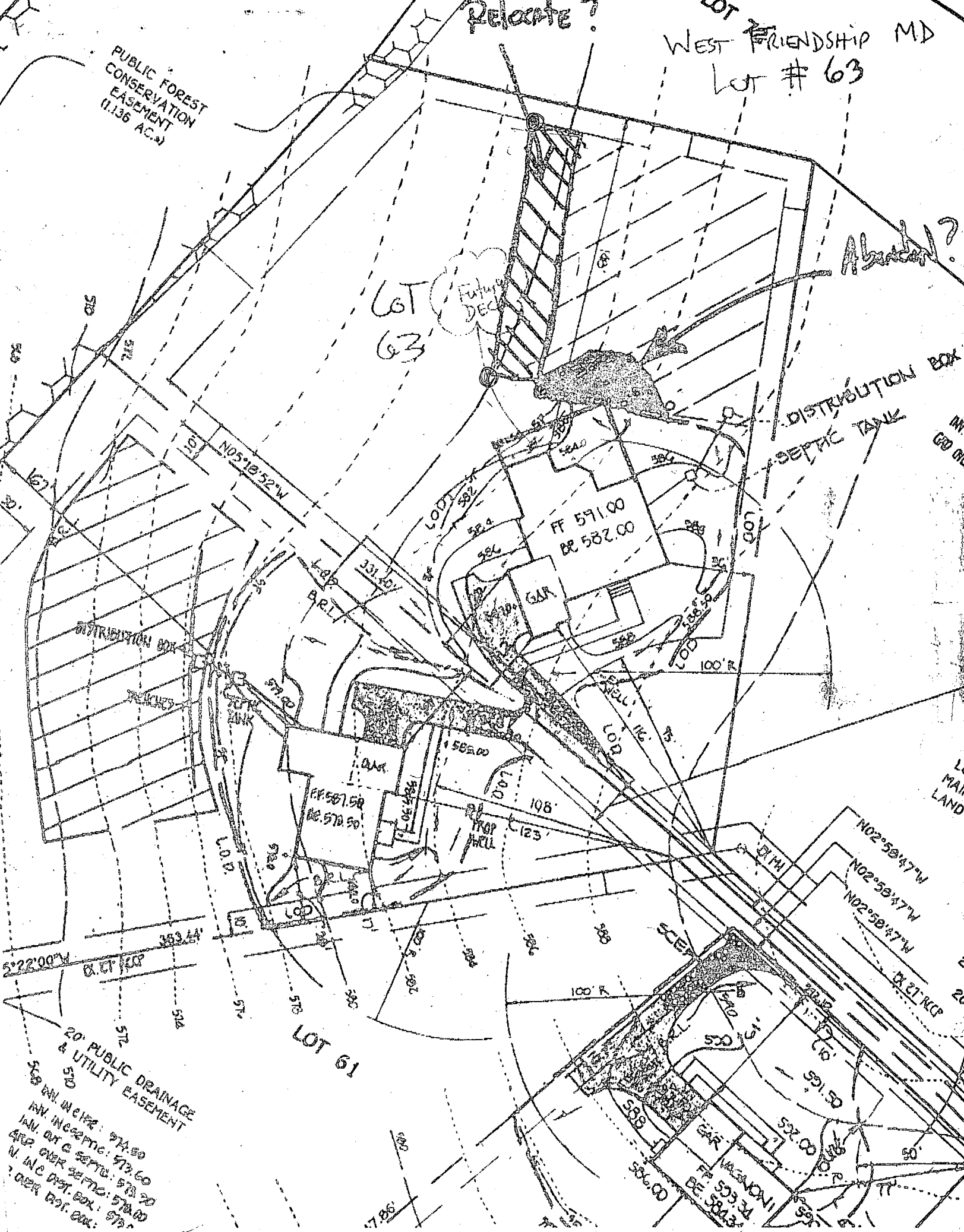
Relocate?

Abandoned?

LOT 63

Future Deck

DISTRIBUTION BOX SEPTIC TANK



20' PUBLIC DRAINAGE & UTILITY EASEMENT

579.00 IN. W. E. P. 574.50
 100' IN. C. SEPTIC 573.60
 400' OVER SEPTIC 573.70
 N. IN. C. DIST. BOX 574.00
 100' OVER DIST. BOX 574.00

LOT 61

LO MAIL LAND

**SELFRIDGE
BUILDERS**

Monday, June 29, 1998

AVIS L. CORBIN, CHIEF
Licenses & Permits Division
Dept. of Inspections, Licenses & Permits

George Howard Building
3430 Court House Drive
Ellicott City, MD 21043

Dear Ms. Corbin:

We would like to submit the following revised plot plan for Building Permit #B00111011 located at 3325 Great Valley Drive Westfriendship, MD. 21794 located in Howard County. Revision is due to the relocation of the house on the site from the original submitted plot plan. Please distribute to all necessary depts. and call if there are any questions. Thankyou!

Bernard D'Aleo (410)-992-8282
Production Assistant

Bernard D'Aleo

WEST FRIENDSHIP ESTATES

LOT 72

LOT # 63

INV. IN @ H7C.
INV. IN @ 7PTIC.
INV. OUT @ 7PTIC.
GRD OVER 7PTIC.
INV. IN @ DIST. BOX
GRD OVER DIST. BOX

PUBLIC FOREST
OBSERVATION
EASEMENT
(1.136 AC.)

REPORT

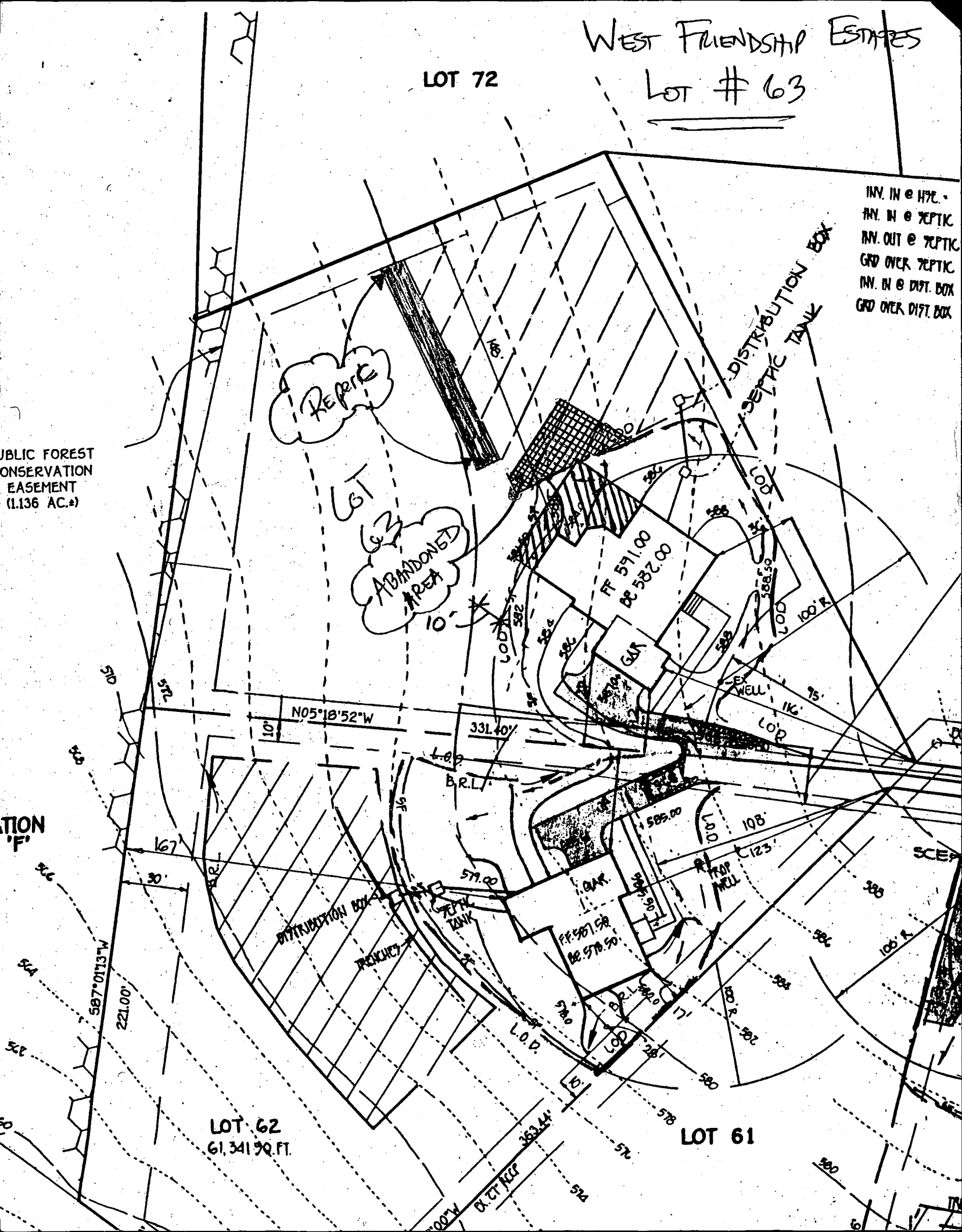
ABANDONED
AREA

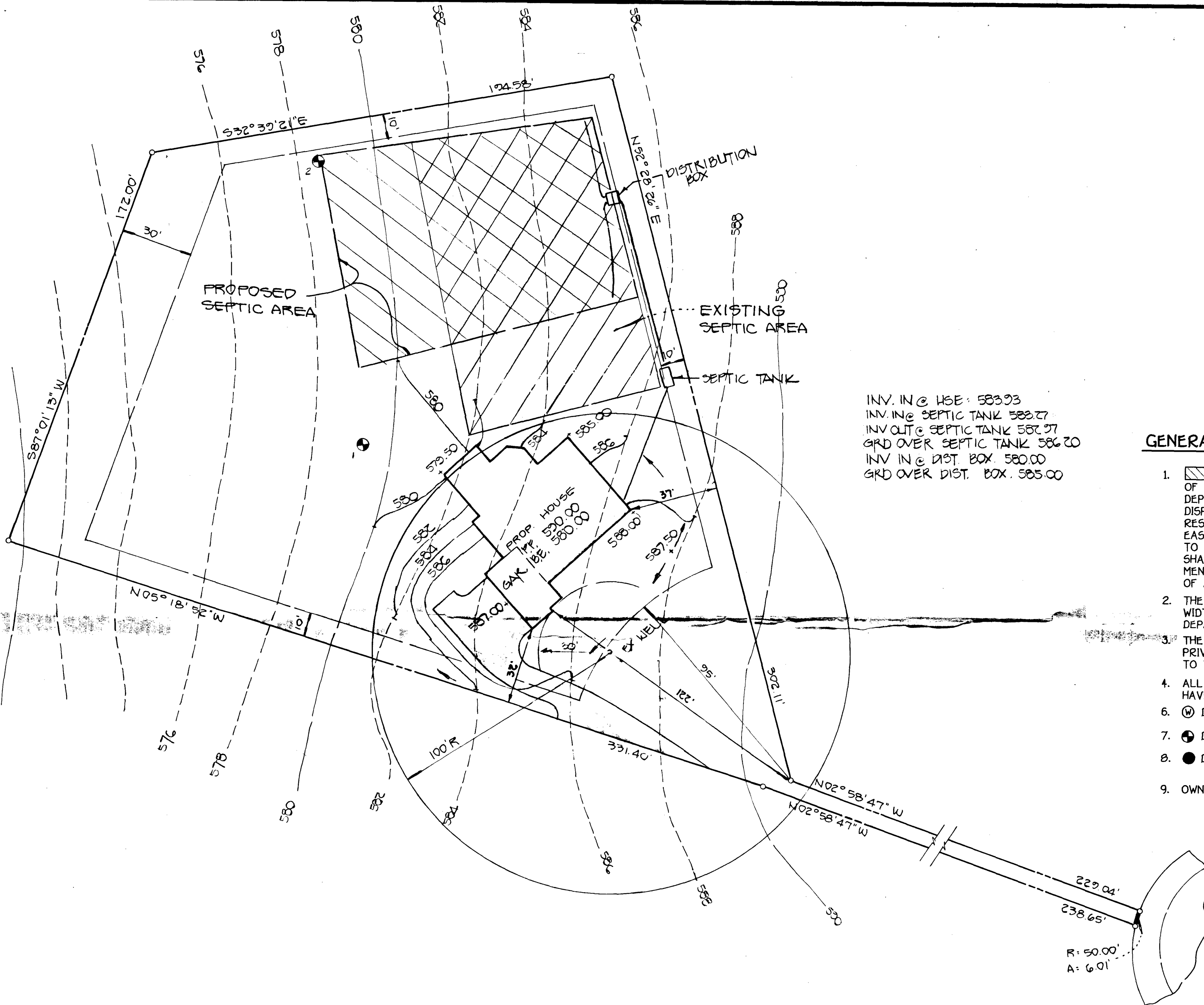
DISTRIBUTION BOX
SEPTIC TANK

TION
F'

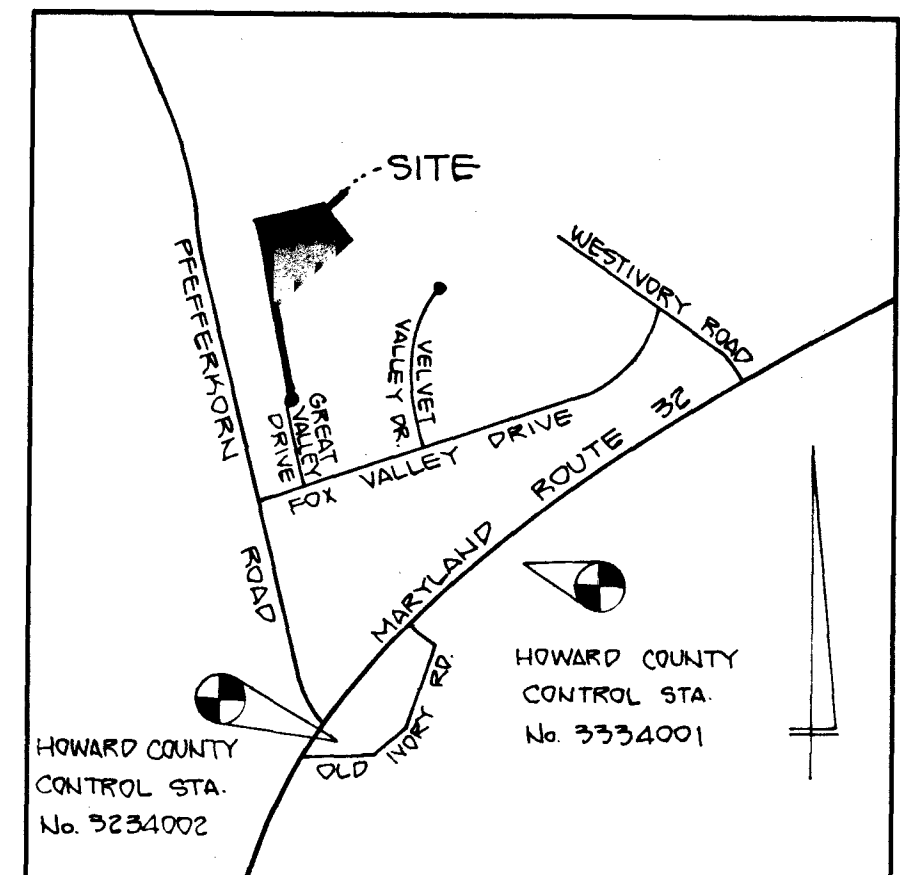
LOT 62
61,341.90 FT.

LOT 61





INV. IN @ USE: 583.93
 INV. IN @ SEPTIC TANK: 582.27
 INV. OUT @ SEPTIC TANK: 582.97
 GRD OVER SEPTIC TANK: 586.20
 INV. IN @ DIST. BOX: 580.00
 GRD OVER DIST. BOX: 585.00



VICINITY MAP
 SCALE: 1" = 1200'

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET 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 SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE PURPOSE OF THIS PLAT IS TO REVISE THE EXISTING PRIVATE SEWERAGE EASEMENT RECORDED IN PLAT NO. TO THE LOCATION SHOWN HEREON.
- ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
- DENOTES WELL LOCATION.
- DENOTES PERC HOLE LOCATION. (TESTED 5-19-98)
- DENOTES FAILED PERC HOLE LOCATION.
- OWNER & DEVELOPER:

GREAT VALLEY DRIVE
 (50' R/W)

PERC CERTIFICATION PLAT
WEST FRIENDSHIP ESTATES

SECTION 2
 LOT # 63

TAX MAP 22 ZONED: PARCEL(S): 556
 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: MAY 21, 1998

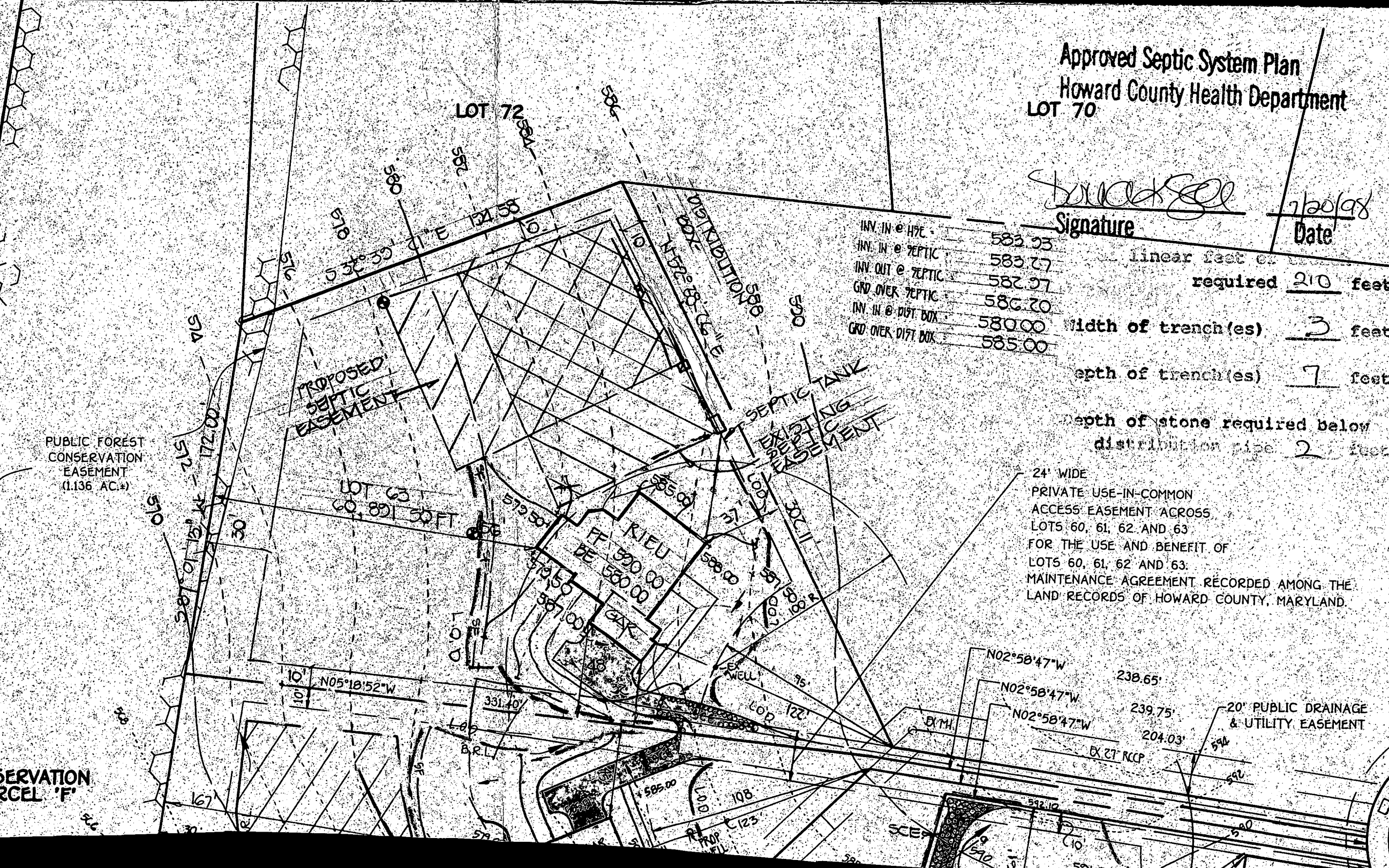
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER: *James M. Boyd* DATE 7/20/98

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 410 481-2955

Approved Septic System Plan
 Howard County Health Department
 LOT 70

[Signature]
 Signature _____ Date 7/20/98

INV. IN @ HFE	583.25	linear feet of	required	<u>210</u>	feet
INV. IN @ SEPTIC	583.77				
INV. OUT @ SEPTIC	582.27				
GRD OVER SEPTIC	586.20	width of trench(es)	<u>3</u>	feet	
INV. IN @ DIST BOX	580.00	depth of trench(es)	<u>7</u>	feet	
GRD OVER DIST BOX	585.00	depth of stone required below distribution pipe	<u>2</u>	feet	



24' WIDE
 PRIVATE USE-IN-COMMON
 ACCESS EASEMENT ACROSS
 LOTS 60, 61, 62 AND 63
 FOR THE USE AND BENEFIT OF
 LOTS 60, 61, 62 AND 63.
 MAINTENANCE AGREEMENT RECORDED AMONG THE
 LAND RECORDS OF HOWARD COUNTY, MARYLAND.

20' PUBLIC DRAINAGE
 & UTILITY EASEMENT

PUBLIC FOREST
 CONSERVATION
 EASEMENT
 (1.136 AC.±)

CONSERVATION
 EASEMENT 'F'

C1 7959 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 A 41813

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

ST/CO USE ONLY DATE RECEIVED 090996

DATE WELL COMPLETED 083096 Depth of Well 100 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-94-0861

OWNER LDD last name RT 32 first name TOWN W. FRIENDSHIP SUBDIVISION W. FRIENDSHIP EST. SECTION 2 LOT 63

WELL LOG Not required for driven wells

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

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Top soil 0-5, Brown shell mic rock 6-36, Sandstone + Blue rock 31-100, GOT water at 70-85.

GROUTING RECORD yes .no

WELL HAS BEEN GROUTED. (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 11 NO. OF POUNDS 1054 GALLONS OF WATER 66 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 43 ft.

CASING RECORD casing types insert appropriate code below

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) PL 64 45

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

SCREEN RECORD screen type or open hole. insert appropriate code below

DEPTH (nearest ft.) HO 43 100. ACHSHSCREN 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. SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15. METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 27 ft. WHEN PUMPING 42 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP 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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED YES NO Y 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

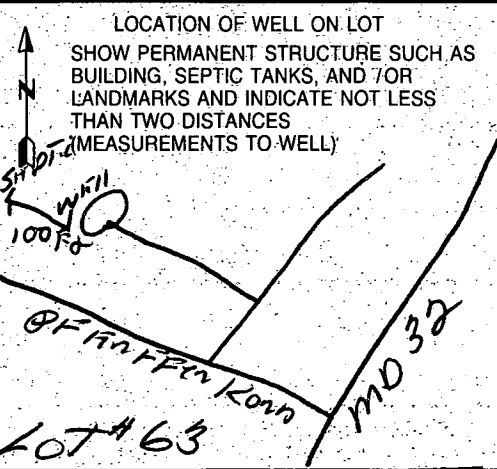
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

TYPE: MWD/MSD/MGD DRILLERS LIC. NO. 043 Name Harley DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 350-062

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 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA



B 1 **3042** SEQUENCE NO. (DP USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type STATE PERMIT NUMBER **40-94-0861**
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) fill in this form completely.

OWNER INFORMATION
 Date Received (APA) **053196**
 Last Name **ZAND** Owner **DESIGNATED** First Name **DECID**
 Street or RFD **10805 ALEXANDER RIDGE**
 Town **COLUMBIA** State **MD** Zip **21044**

B 3 LOCATION OF WELL
 COUNTY **HOWARD**
 SUBDIVISION **WEST FRIENDSHIP**
 SECTION **2** LOT **63**
 NEAREST TOWN **WEST FRIENDSHIP**
 MILES FROM TOWN (enter 0 if in town) **2** MI

DRILLER INFORMATION MSD/MGD (MWD)
 Driller's Name **GARY W SHARP** License No. **410**
 Firm Name **HARLEY DRILLING & PUMP SERVICE**
 Address **Box 160 WALKERSVILLE MD 21793**
 Signature **Gary W Sharp** Date **5-27-96**

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 NEAR WHAT ROAD **MD 32**
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 DISTANCE FROM ROAD **500** FT
 ENTER FT OR MI **FO**
 TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **3**
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **800**

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME **HOWARD CO.** COUNTY NO. **A41813**
 STATE SIGNATURE _____ DATE ISSUED _____ INSERT S _____
 CO SIGNATURE **A. McMiller** EXP. DATE **7/16/97**
 NORTH GRID **528000** EAST GRID **0804000**

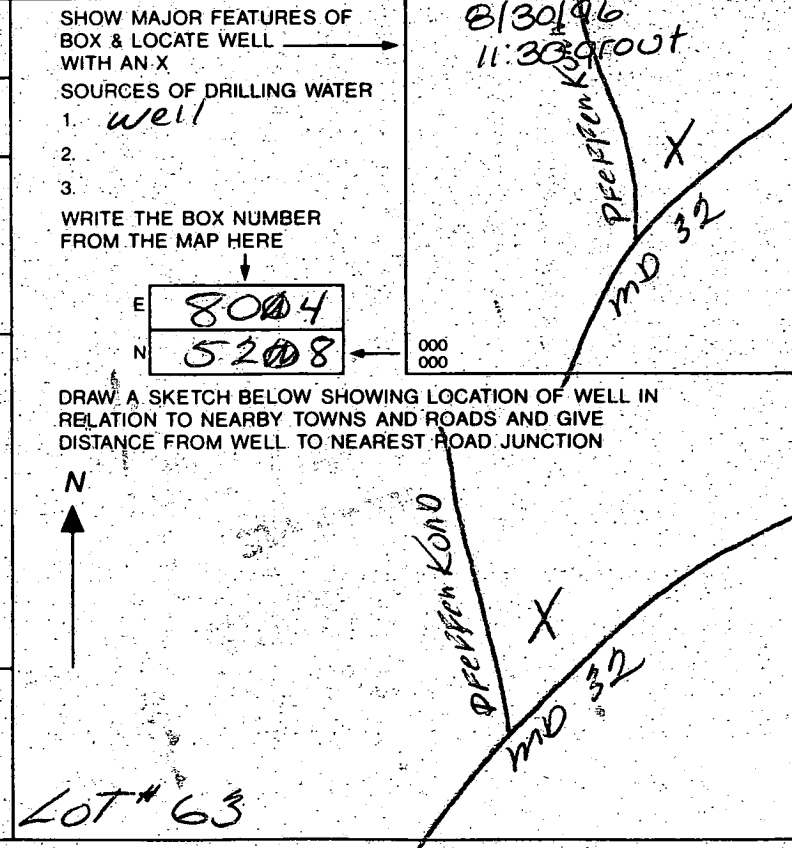
APPROXIMATE DEPTH OF WELL **200** FEET

APPROXIMATE DIAMETER OF WELL **6"** NEAREST INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY DRIVE-POINT
 other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 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 DEEPEAN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

Not to be filled in by driller (OEP USE ONLY)
 APPROX. PERMIT NUMBER **GAP**
 FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **40-94-0861**



9/2/98
 1:30
 WPI-ok to cover
 P.A. 5' below grade
 casing 2' above grade
 has 2 piece cap
 line sketched out of house and under drive
 KM

HOWARD COUNTY HEALTH DEPARTMENT
 Bureau of Environmental Health
 3525-H Ellicott Mills Drive
 Ellicott City, MD 21043
 461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
 Replacement

Receipt # _____
 Date 9-1-98

Name of Installer George Baker

Telephone 410-788-3080

License Number 2214
 Certified Well Pump Installer _____

Well Driller _____ Registered Plumber

Name of Property Owner Selfridge Bldg
 Subdivision Fox Valley Lot # 63
 Site Address 3325 Great Valley Drive

Telephone 410-992-8082
 Well Tag # HO-94-0861

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible
- Make Miyars
- Model # 52772
- Capacity 1 gpm GPM
- Pump exceeds well capacity Yes _____ No
- If Yes, is low pressure cutoff switch installed? Yes _____ No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other _____

Motor

- Horsepower 1/2
- RPM _____
- Voltage _____
 - 110 _____
 - 220

Pitless Adapter

- Make _____
- Model # _____
- Depth _____

Tank

- Capacity 3
- Pressure relief valve? yes

Piping

- Type 16016
- Size 1"
- NSF and/or BOCA Code approved
- Depth of supply line 42"

Well data

- Depth 100 ft.
- Yield 15 GPM
- Static water level _____ ft.
- Will water supply be disinfected by installer? yes

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: George Baker

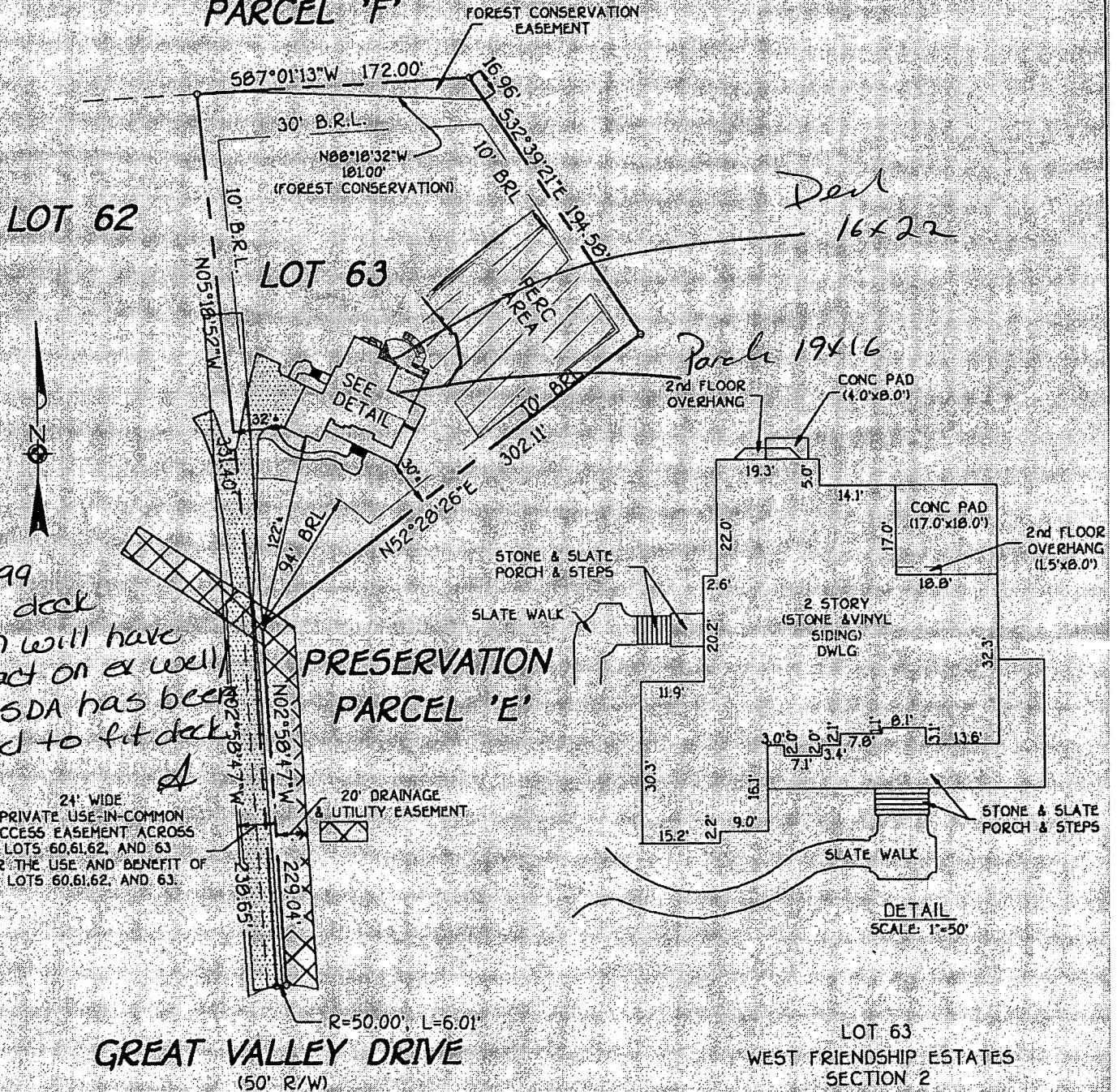
Date: 9-1-98

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

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. 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 (+).

PRESERVATION PARCEL 'F'



8/26/99
shown deck
location will have
no impact on ex well
septic - SDA has been
adjusted to fit deck

24' WIDE
PRIVATE USE-IN-COMMON
ACCESS EASEMENT ACROSS
LOTS 60, 61, 62, AND 63
FOR THE USE AND BENEFIT OF
LOTS 60, 61, 62, AND 63.

20' DRAINAGE
& UTILITY EASEMENT

GREAT VALLEY DRIVE
(50' R/W)

MACADAM DRIVE

TOP FOUNDATION ELEV. = 509.8 ±
BRL = BUILDING RESTRICTION LINE
GREAT VALLEY DRIVE

LOT 63
WEST FRIENDSHIP ESTATES
SECTION 2
LOTS 57 THRU 100
PARCELS 'E' THRU 'Q'
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT * 12454

DETAIL
SCALE: 1"=50'