

8/18 AM

03-296733

CLEANOUT NOT YET TO GRADE, OK 8/10
MANHOLES MAY BE REQUIRED.

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 7/26/88

DATE SYSTEM APPROVED 8/10/88

INSPECTOR C. B. D.

P 42171

A 39514

Jack Raulfuss

IS PERMITTED TO INSTALL X ALTER

ADDRESS 13711 Old Rover Road, West Friendship, Maryland 21794 PHONE _____

SUBDIVISION Kaulfuss Property ROAD 13715 Old Rover Road LOT 4 X

PROPERTY OWNER Jack & Ann Kaulfuss

ADDRESS TAX MAP 15 GRID 19 PARCEL 172 257

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO X

70+70 4x150
4 160
14
640

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 160 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 8.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 4.0 feet of stone below distribution pipe.

LOCATION - Place the distribution box 275 feet up the right (1375.16') lot line and 80 feet off the same lot line as seen when facing the lot from Old Rover Road. Run trenches on contour toward the left lot lines.

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

* ADJUST TRENCHES TO CONTOUR DO NOT RUN THEM DOWN HILL. CW.

PLANS APPROVED BY Sid Abel DATE 2/16/88

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.

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES.

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

BUDG. PERMIT SIGNED
AND RETURNED 11/22/89
Sid Abel # 30531 - Garage

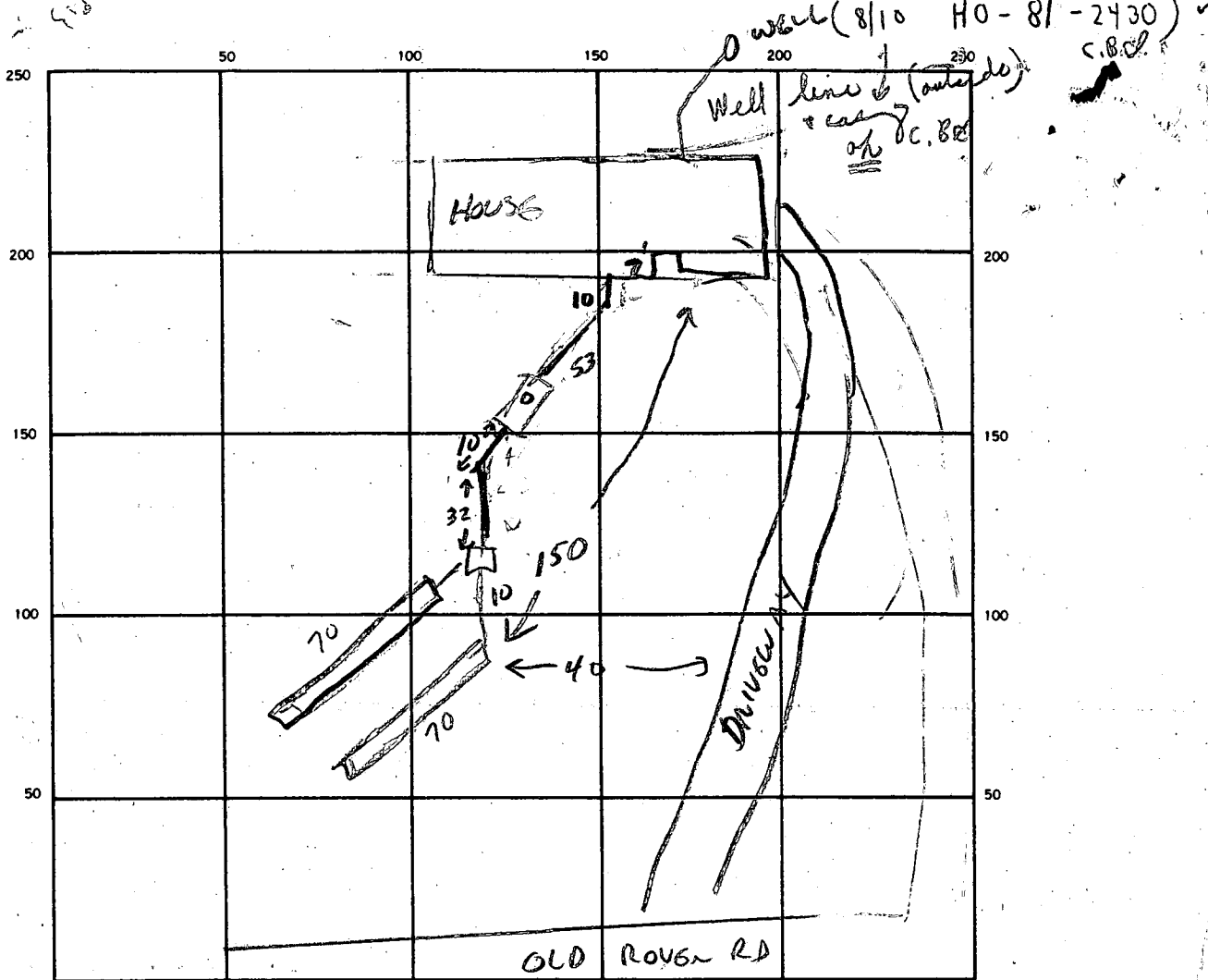
BUDG. PERMIT SIGNED
AND RETURNED 2/3/89
Sid Abel # 23360 propanetank

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 39514



SEPTIC TANK LEVEL 1250 CLEANOUTS ST ✓
 DISTRIBUTION BOX LEVEL ✓ ok 8/10

DRAIN FIELD/TILE FIELD DEPTH 10 FT. TRENCH WIDTH 2 FT. INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH 5 FT. TOTAL LENGTH 140 FT.

NUMBER OF TRENCHES 2 (70+70) ONE SIDEWALL/BOTTOM AREA 700 SQ. FT.

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

ABSORBENT AREA 700 SQ. FT.

REMARKS 8/4/88 BOTH TRENCHES & SEWER LINE OK TO COVER

EXISTING GRADE MUST BE CUT TO BELOW TOP OF CLEANOUT FOR FINAL.

8/10/88 Existing grade cut to below top of cleanout in area of septic tanks and trenches. Files

DATE SYSTEM APPROVED 8/10/88 INSPECTOR Charles Bryan Straker

APPLICATION

PERCOLATION TESTING

A 39514

P _____

DISTRICT #3

DATE 6-29-87

*Preliminary
July 20 1987
Frac*

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

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 Jack & Ann Kaulfuss ✓

ADDRESS 13711 Old Rover Rd., W. Friendship, Md. PHONE 442-2011

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION 137152 LOT NO. ~~137152~~

ROAD AND DESCRIPTION Old Rover Rd., 561 ft road frontage, west of
13711 Old Rover Road

TAX MAP #15 PARCEL # 172

SIZE OF LOT 17 acres TYPE BLDG. single family dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)
to be constructed

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.

Jack M. Kaulfuss
(SIGNATURE OF APPLICANT)

APPROVED BY Sed Abel FOR Deep trenches DATE 2-16-88

REJECTED BY _____ FOR _____ DATE _____

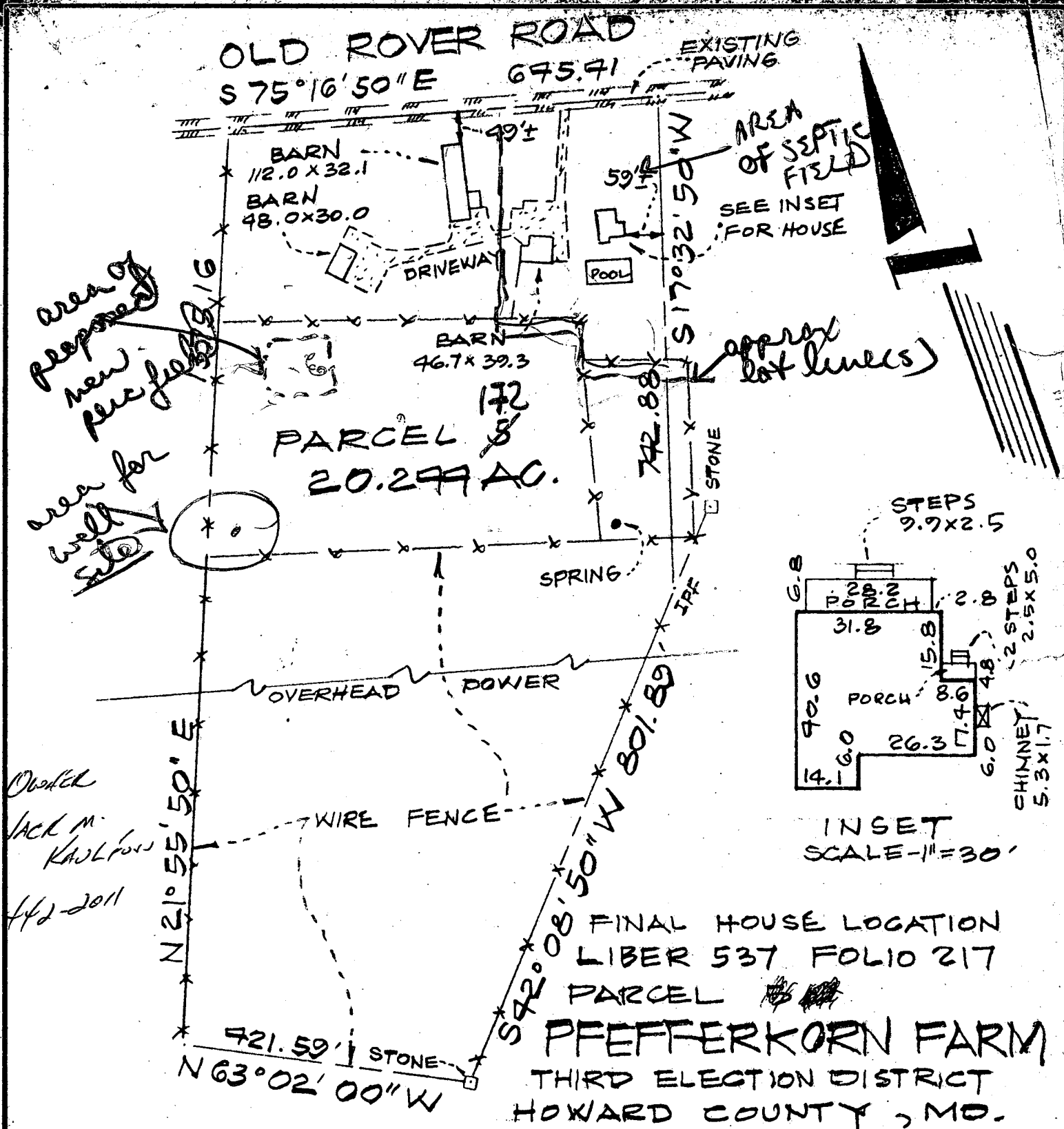
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7-20-87 Rec. unsatisfactory hold for perc test

BLDG. PERMIT SIGNED
AND RETURNED 5/24/88
Serial #18707
Propane tank

BLDG. PERMIT SIGNED
AND RETURNED 2-16-88
BP 16680 8116

THIS IS NOT A PERMIT



SURVEYOR'S CERTIFICATE

I hereby certify that the position of all existing improvements on the above described property have been carefully established by a transit-tape survey and that unless otherwise shown, there are no encroachments.

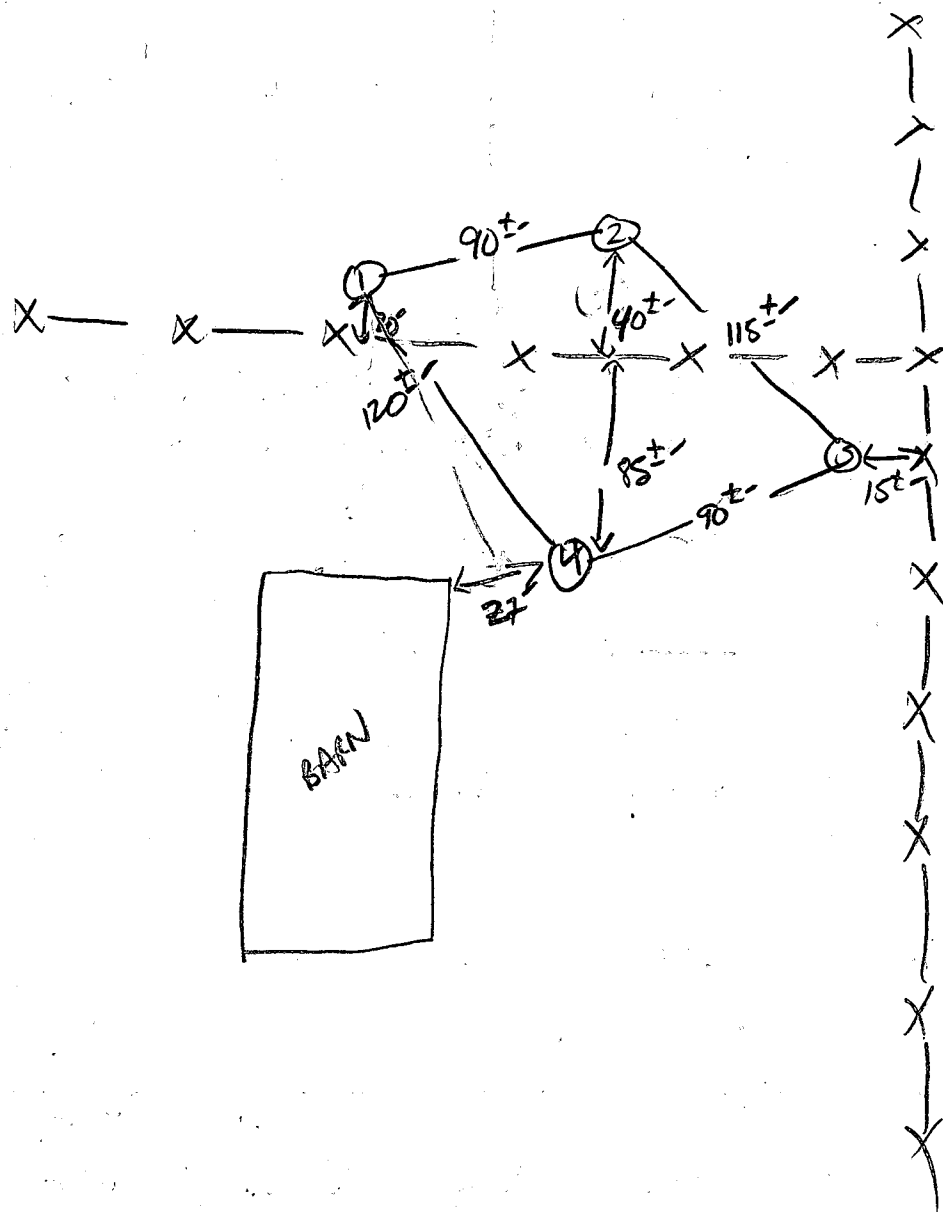
William L. Wirts
WILLIAM L. WIRTS
 Registered Land Surveyor
 Maryland No. 10721

RENN SURVEYS, INC.

BOX 55 • DAMASCUS, MARYLAND 20750 (301) 253-3591
 LAND PLANNING CONSULTANTS • SUBDIVISIONS • LOTS & BOUNDARIES

REFERENCE	Drawn by WLW	Checked by
Plat	Date 9.6.80	Record No 76-245
Book	Scale 1" = 200'	17/77
Plat		
No.		

NOTE: This drawing is not intended to establish property lines nor are the existence of corner markers guaranteed. All information shown hereon taken from the land records of the county in which the property is located.



13711

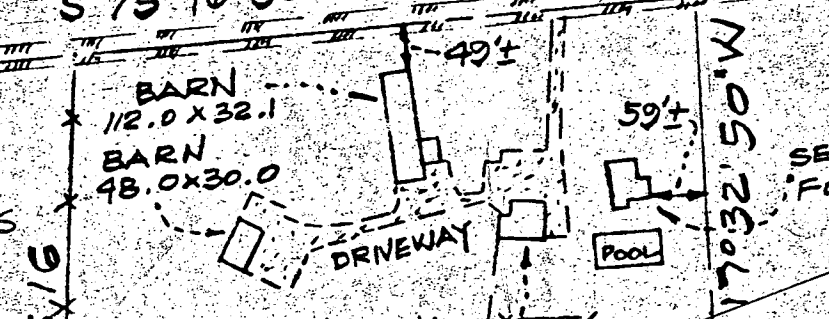
OLD ROVER ROAD
 S 75° 16' 50" E 695.91

EXISTING PAVING

R-39533
 7/6/87
 31.00
 WPE-39533
 7/6/87

JACK M.
 KAUFUSS
 442-2011

CK 2690



SEE INSET FOR HOUSE

Proposed SEPTIC
 PERK SCHEDULED
 JULY 20, 1987

EASTERDAY

1375.16

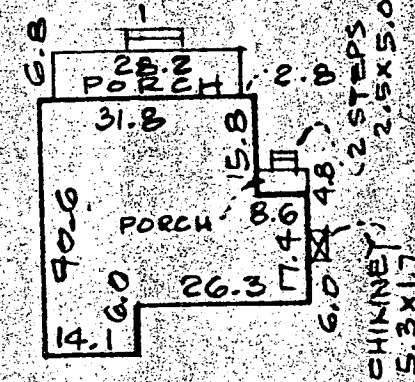
PARCEL B
 20.299 AC.

Proposed Well

SPRING

OVERHEAD POWER

STEPS 9.9 x 2.5



INSET SCALE 1/4" = 50'

N 21° 55' 50" E

WIRE FENCE

S 72° 08' 50" W 801.89

FINAL HOUSE LOCATION
 LIBER 537 FOLIO 217
 PARCEL 5

PFEFFERKORN FARM
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MD.

721.59' STONE
 N 63° 02' 00" W

SURVEYOR'S CERTIFICATE

I hereby certify that the position of all existing improvements on the above described property have been carefully established by a transit-tape survey and that unless otherwise shown there are no encroachments.

William L. Wirts
 WILLIAM L. WIRTS
 Registered Land Surveyor
 Maryland No. 10721

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REFERENCE	Drawn by WLW	Checked by
Plot	Date 9-6-80	Record No. 76-24E
Book	Scale 1/4" = 50'	17177
Plot		
No.		

NOTE: This drawing is not intended to establish property lines nor are the existence of corner markers guaranteed. All information shown hereon is based upon the land records of the county in which the property is located.

OLD ROVER ROAD

S 75° 16' 15" E

645.41'

418.41'

724.88'

S 17° 32' 50" W

PROPOSED LOT 1
3.051 AC. ±

F-88-120

143.84'

60.00'

86.576'

229.00'

136.49'

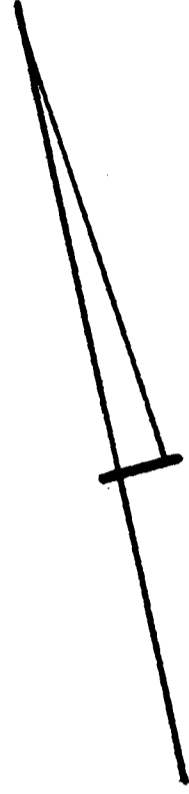
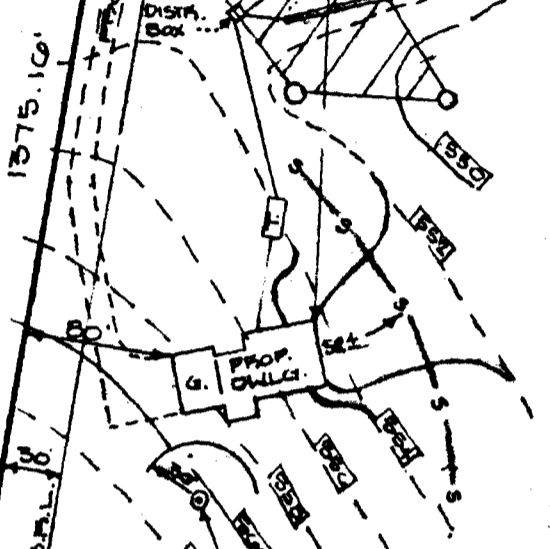
801.89'

S 42° 08' 50" W

N 21° 55' 50" E

KAULFUSS PROPERTY
L. 1018 / F. 158
20.240 AC. ±

EXISTING WELL
ELEV. 561.05



NOTES:

1. THE LOTS & MINIMUM OIL REQUIRED BY OF HEALTH A
2. [Hatched area symbol] THIS EASEMENT O REQUIRED BY OF HEALTH AN SEWAGE DISF IN THIS AREA IS AVAILABLE AND VOID APC SYSTEM. THE THE AUTHORITY INTO THE PRIN. OF A MODIFIED NECESSARY.

M.C.P. AMOS
813 / 710

BLDG. PERMIT SIGNED
AND RETURNED 2-16-88

BP 16680
SKA

FIRST FLOOR 561.00 ✓
GARAGE 560.00 ✓
BASEMENT FLOOR 552.67 ✓

DISTRIBUTION BOX:
EXISTING ELEVATION 553.5 ✓
INVERT 548.5 ✓
TANK:
549.0 OK IF 548.5 ✓
EXISTING ELEVATION 554.0 ✓
INVERT OUT 550.3 ✓
INVERT IN 550.7 ✓

INVERT AT HOUSE 551.7 ✓ + BSMT

N 63° 02' 00" W

C1 2030 SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER A-39514

DATE Received DATE WELL COMPLETED 120187 Depth of Well 140 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-2436

OWNER KAULFUSS JACK last name first name TOWN POOKSVILLE
 STREET OR RFD OLD ROVER RD.
 SUBDIVISION KAULFUSS PROP. SECTION TRAY MAR 15 LOT PARC 172

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	
TOP Soil	0	2	
Clay	2	4	
Shaley	4	8	
Blue slate	8	15	
Brown slate	15	22	
Blue slate	22	50	
Flint	50	52	✓
Blue slate	52	60	
Brown slate	60	62	✓
Quartz			
Blue slate	62	140	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 10 NO. OF POUNDS 1000
 GALLONS OF WATER 50
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 27 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST CO STEEL CONCRETE
PL OT PLASTIC OTHER
 MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)
ST 6 30

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

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

DEPTH (nearest ft.)
 EACH SCREEN
 1 HO 28 140
 2
 3

CIRCLE APPROPRIATE LETTER 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 10.17.13 "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 IDENT. NO. 40
 DRILLERS SIGNATURE George F. Easterday
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) Charles R. Hillman

SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) 56 60
 GRAVEL PACK from to
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) WQ
 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min. to nearest gal.) 12
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface) BEFORE PUMPING 36
 WHEN PUMPING 42
 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 WILL INSTALL PUMP YES NO
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 11 35
 PUMP HORSE POWER 11
 PUMP COLUMN LENGTH (nearest ft.) 17
 CASING HEIGHT (circle appropriate box and enter casing height) + above - below
 LAND SURFACE

LOCATION OF WELL ON LOT
 SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
 well 50'
 800'
 oil Rover RD.
 Right lot line

8/10/88 *partial* 8/10/88

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 # 42318
Date 8-9-88

Name of Installer GARY EIKENBERG Telephone 796-2583

License Number 3260
Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner Jack KoutHuss Telephone 442-2011
Subdivision Kaulfus Property Lot # P-172 Well Tag # HD-51-2430 ✓
Site Address 13716 Old River Rd.

Pump
1. Type
a. Deep well jet
b. Shallow well jet
c. Submersible
2. Make _____
3. Model # _____
4. Capacity _____ 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

Motor
1. Horsepower _____
2. RPM _____
3. Voltage _____
a. 110 _____
b. 220 _____

Pitless Adapter
1. Make Howard
2. Model # _____
3. Depth 48"

Tank
1. Capacity _____
2. Pressure relief valve?

Piping
1. Type _____
2. Size _____
3. NSF and/or BOCA Code approved
4. Depth of supply line _____

Well data
1. Depth 140 ft.
2. Yield 12 GPM
3. Static water level 36 ft.
4. Will water supply be disinfected by installer?

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: Gary Eikenberg
Date: 8-9-88

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

HD-215
8/10/88 *line from well to house ok; cap tight @ exterior; no plumbing in basement Partial need to see pump & pressure tank C.B.H.*