

4/16/92 2pm

04-349024

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 48000

A 41027

DISTRICT 4th

DATE 4/3/92

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE SYSTEM APPROVED 4-16-92

INSPECTOR R. Kelly

Fogle's Septic Service IS PERMITTED TO INSTALL X ALTER

ADDRESS 558R Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5674

SUBDIVISION Boka Valley Estates LOT 5 ROAD 1820 Boka Valley Court

PROPERTY OWNER Hollis T. Brown c/o Fred Dixon Co., Inc.

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

*pitless adapter - ok
with line ok
R/P 4-16-92*

NUMBER OF BEDROOMS 4

220 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 296 SHALLOW SYSTEM

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 1 1/2 - 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 200 feet from the front lot line and 130 feet from the left side of the lot as seen when facing the lot from daisy Road. Run the trenches toward both side lines.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 12/10/91 ok R/P

PLANS APPROVED BY Raymond Hodges DATE 2/16/89

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

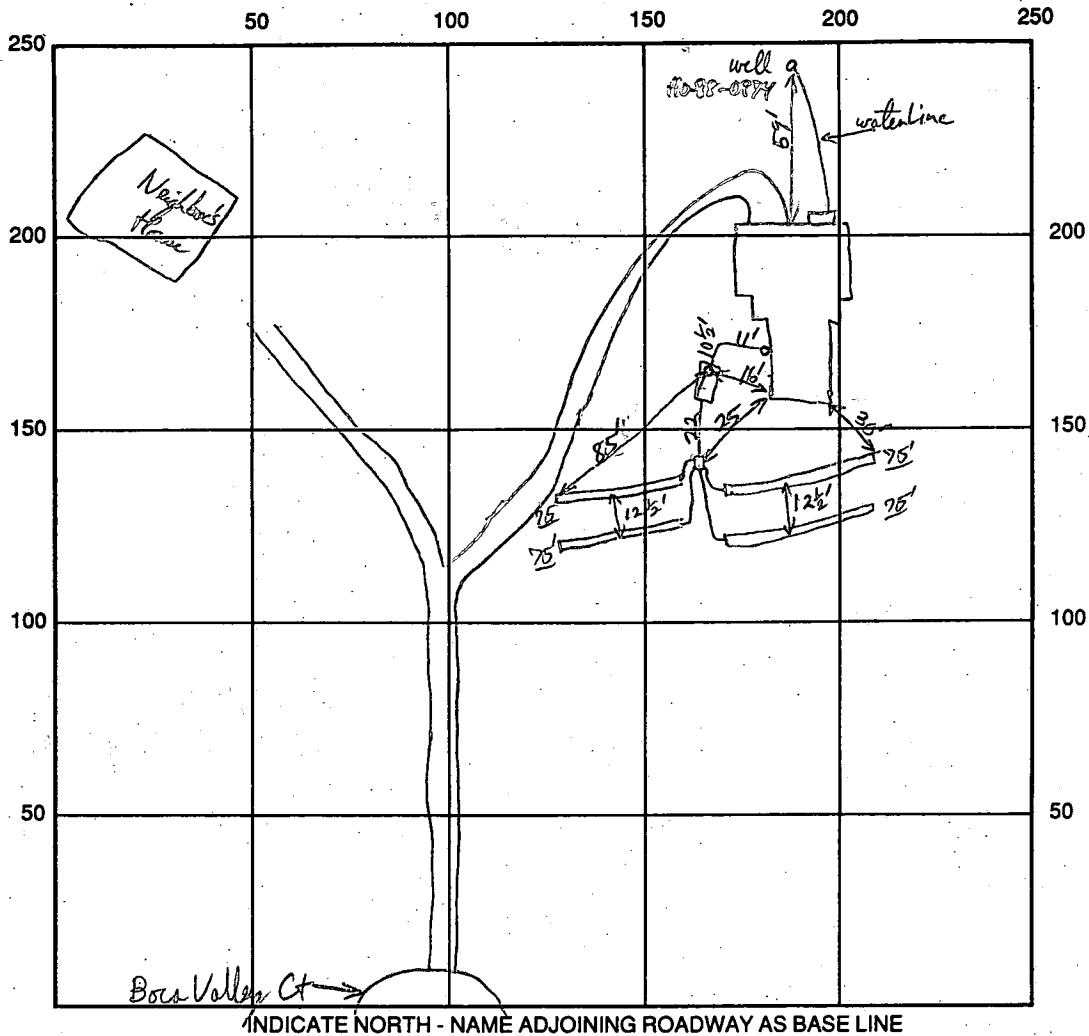
PERMIT VOID AFTER TWO YEARS

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
41027



SEPTIC TANK LEVEL 1500 gal CLEANOUTS

DISTRIBUTION BOX LEVEL

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 300 FT. (75' long each)

NUMBER OF TRENCHES 4 ~~ONE SIDEWALL~~ BOTTOM AREA 900 SQ. FT.

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

ABSORBENT AREA 900 SQ. FT.

REMARKS: OK to cover septic + waterline R/P 4-16-92

DATE SYSTEM APPROVED 4/16/92 INSPECTOR R. Bradley

APPLICATION

PERCOLATION TESTING

A 41027

P _____

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

DISTRICT 4TH

DATE 2-24-88

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 ROBERT + KAREN RYNARZEWSKI Hollis T. Brown

ADDRESS 1227 CARTLEY COURT PHONE 442-5965
442-1377

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION BOKA VALLEY ESTATES PARCEL 1 LOT NO. NEW 5 Sep 88

ROAD AND DESCRIPTION 1800 BLOCK, EAST SIDE DAISY RD. APPROX .7 MILE
SOUTH RT. 144. (1820 Boka Valley Court)

TAX MAP 8 PARCEL # 43

SIZE OF LOT 3.50 ACRES TYPE BLDG SINGLE FAMILY
(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.

Karen L. Rynarzewski
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 3-17-88 Per Satisfactory Hold for REAT. 5 Min

BLDG. PERMIT SIGNED
AND RETURNED 12/2/91
Serial # 40447-5F0
4 Beckoon

THIS IS NOT A PERMIT

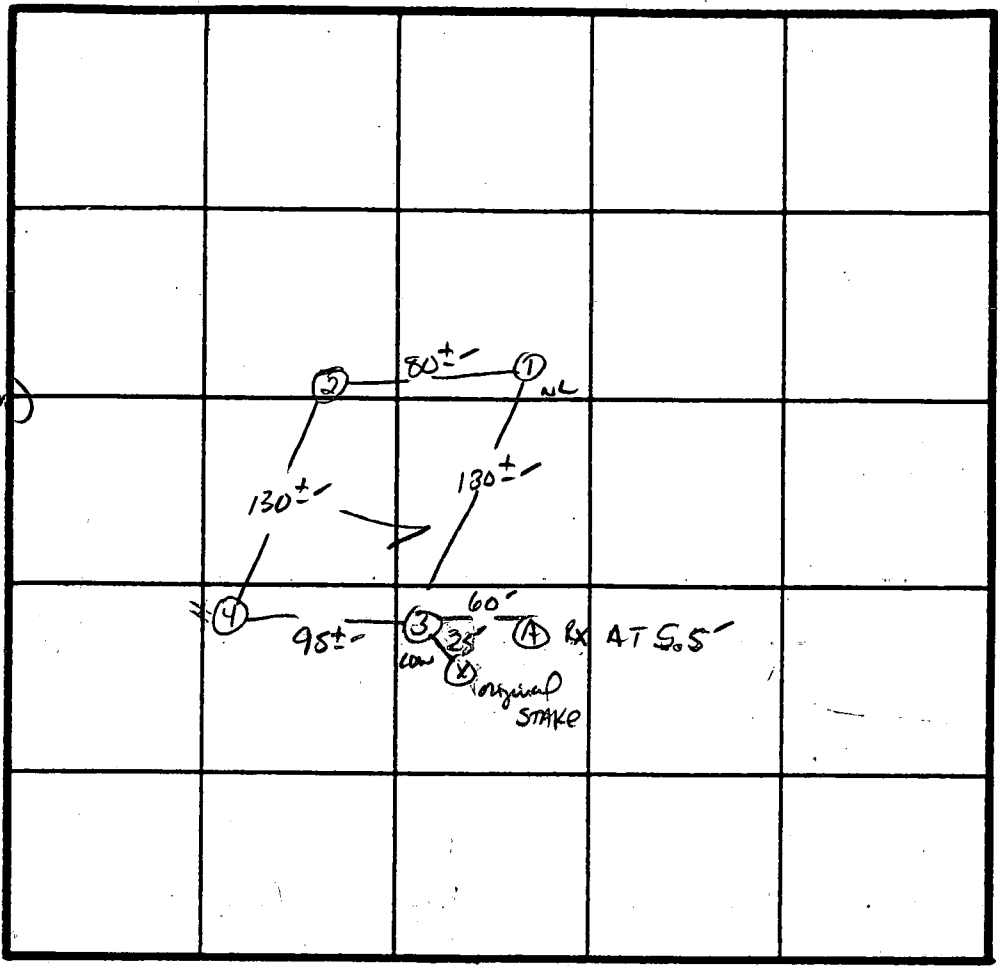
HD-216

Lot NEWS
A 410

① ②
SOIL PROFILE

0
3"
3'5"
13"

A1-3
Yell. BR clay
Silt loam
15-20% FRAGS
(RED VEINS silt loam)
Yell. BR
Silt loam
15-20% FRAGS
w/ 25-35%
SHALE FRAGS
AT 10-13"



16" MIN
220 #1 BR
INLET 3"
BOTTOM 6"
3" WIDE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DAISY Rd.

③ ④
3'
4'
13"

A1-3
RED BR CLAY
Silt loam
20-25% FRAGS
Yell. BR
Silt loam
Shale AT
30-40% FRAGS

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/17/88	1S	4"	1:19	1:23	1:23	1:32	9 MIN	
	1M	9.5"	1:19	1:22	1:22	1:29	7 MIN	
	1V	13"	see profile					
	2S	3.5"	1:21	1:28	1:28	1:44	16 MIN	
	2M	9.0"	1:21	1:31	1:31	1:53	22 MIN	
	2V	13"	SIMILAR TO #1 w/ less clay + less frags					
	3S	4.0"	1:23	1:37	1:37	2:02	25 MIN	
	3M	8.5"	1:23	1:37	1:37	2:00	23 MIN	
	3V	13"	see profile					
	4S	3.5"	1:30	1:36	1:36	1:49	13 MIN	
	4M	8.5"	1:32	1:35	1:35	1:42	7 MIN	
	4V	13"	SIMILAR TO #3 w/ less shale 20-25% frags					

REMARKS Hole 1+2 AS STAKE D

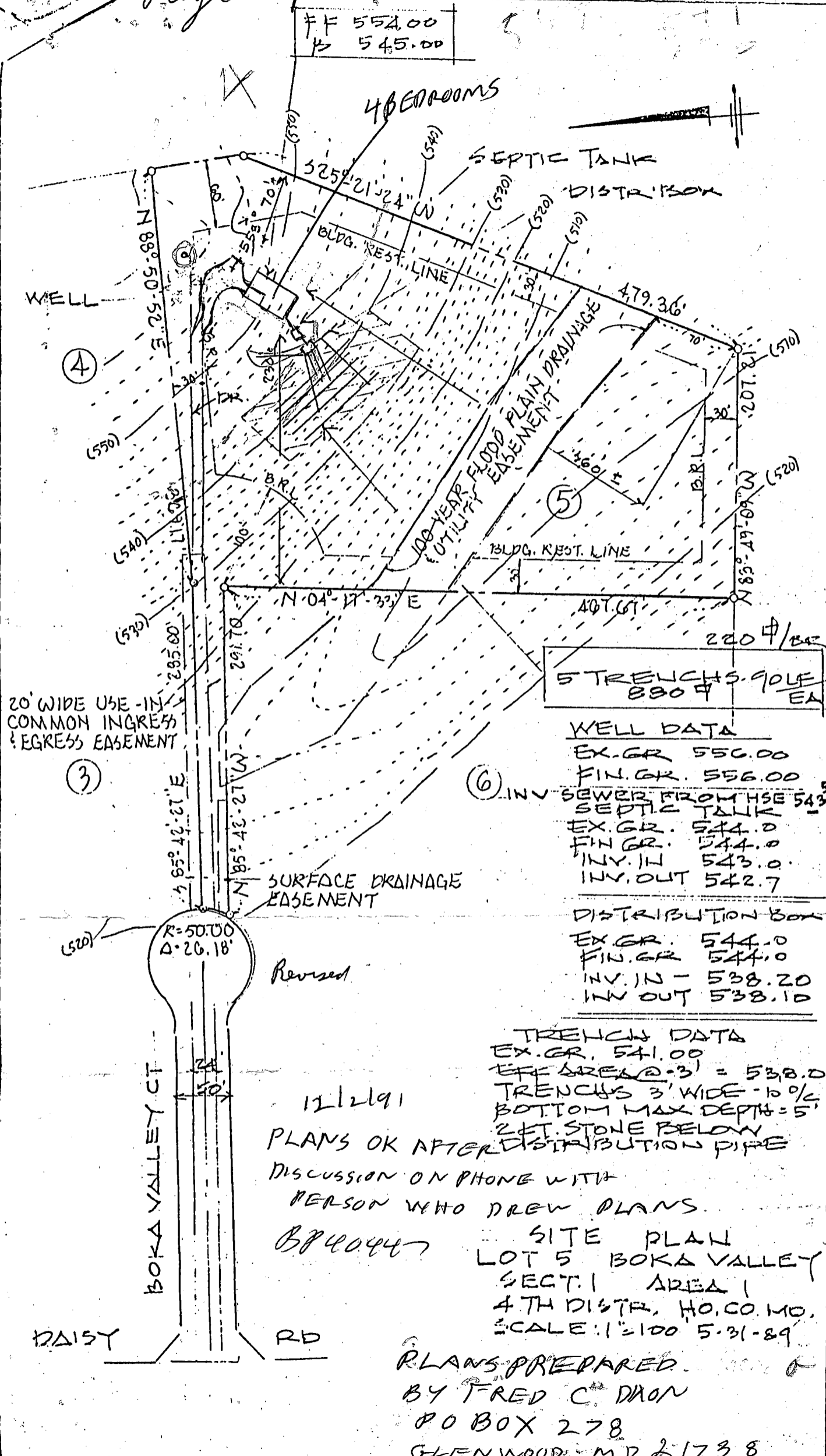
TYPE OF SOIL MANOK / ME A1M

TESTED BY S. Abel

ARNOLD BACKHOPE

ALSO PRESENT

FF 554.00
 B 545.00



5 TRENCHES 9" DIA
 890' EA

WELL DATA	
EX. GR.	556.00
FIN. GR.	556.00
INV. SEWER FROM HSE	543.5
SEPTIC TANK	
EX. GR.	544.0
FIN. GR.	544.0
INV. IN	543.0
INV. OUT	542.7

DISTRIBUTION BOX	
EX. GR.	544.0
FIN. GR.	544.0
INV. IN	538.20
INV. OUT	538.10

TRENCH DATA	
EX. GR.	541.00
EFF. AREA @ .31	= 538.0
TRENCHES 3' WIDE - 10% SLOPE	
BOTTOM MAX DEPTH = 5'	
2 FT. STONE BELOW	
DISTRIBUTION PIPE	

Revised
 12/2/91

PLANS OK AFTER DISCUSSION ON PHONE WITH PERSON WHO DREW PLANS

B740447
 SITE PLAN
 LOT 5 BOKA VALLEY
 SECT. 1 AREA 1
 4TH DIST. HO. CO. MO.
 SCALE: 1"=100' 5-31-89

PLANS PREPARED BY FRED C. DIXON
 PO BOX 278
 GLENWOOD MD 21738

20' WIDE USE-IN-COMMON INGRESS & EGRESS EASEMENT

BOKA VALLEY CT

DAISY RD

(3)

(6)

(4)

(5)

(520)

541
 533

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 # 48008
Date 4/7/92

Name of Installer WILLoughBY PLUMBING SERVICES INC. Telephone 781-7051

License Number 6992
Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner FRED DICKSON Telephone 442-5965
Subdivision ROKA VALLEY Lot # 5 Well Tag # 40-88-0874
Site Address 1820 ROKA VALLEY CT. WOODRINE MD. 21797

Pump

- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
- Make JACOBS 771

Motor

- Horsepower 3/4
- RPM
- Voltage
 - 110
 - 220

Pitless Adapter

- Make HARVARD
- Model #
- Depth 4 FT.

3. Model #

4. Capacity 5 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 TAPE

Tank

- Capacity 30 GAL.
- Pressure relief valve? YES

Piping

- Type POLYBUTYLENE
- Size 1"
- NSF and/or BOCA Code approved YES
- Depth of supply line 4 FT.

Well data

- Depth 300 ft.
- Yield 5 GPM
- Static water level 60 ft.
- 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: Chris J. Willoughby

Date: 4/2/92

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

C1 **1014** SEQUENCE NO. (DENV 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 **A40027**

ST/CO USE ONLY
 DATE RECEIVED **013109**
 DATE WELL COMPLETED **022609**

Depth of Well **250**
 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
AC-88-0879

OWNER **Vision Builders Inc.**
 STREET OR RFD **RKA VALLEY CT.** TOWN **LISBON**
 SUBDIVISION **RKA VALLEY** SECTION **1** LOT **5**

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	15	
Brown Shale	15	58	
Blue Slate	58	250	X

Well No. 1 - 400' - DRY
 (BACKFILLED)

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **12** NO. OF POUNDS **1250**
 GALLONS OF WATER **2**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **60** 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 **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **60**

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

C2

EACH SCREEN	DEPTH (nearest ft.)	
	1	2
1	HO 60	250
2		
3		

SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK 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.) W Q
 70 72 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

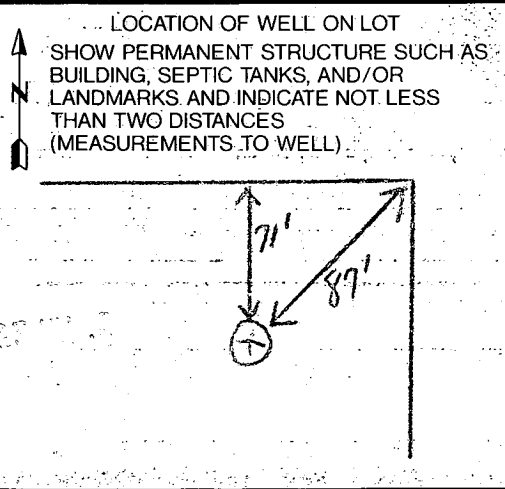
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **9**
 METHOD USED TO MEASURE PUMPING RATE **submersible**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **16** WHEN PUMPING **11**
 TYPE OF PUMP USED (for test) **A** air **P** piston **T** turbine **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: **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 **-** below } LAND SURFACE **1** (nearest foot)

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 IDENT. NO. **399**
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)



REGION _____

AREA _____ RATING _____

ACKNOWLEDGMENT AND CONTROLS	DATE

Howard County Department of Health
BUREAU OF ENVIRONMENTAL HEALTH

DISPOSITION	DATE

RECORD OF INVESTIGATION

LOCATION 1820 Boka Valley Ct (Boka Valley lot 5 CA 41027) ZIP _____

OWNER OCCUPANT Mrs Bittner, Judith ADDRESS 1820 Boka Valley Ct PHONE (410) 489-5331

COMPLAINANT (Self) ADDRESS _____ PHONE _____

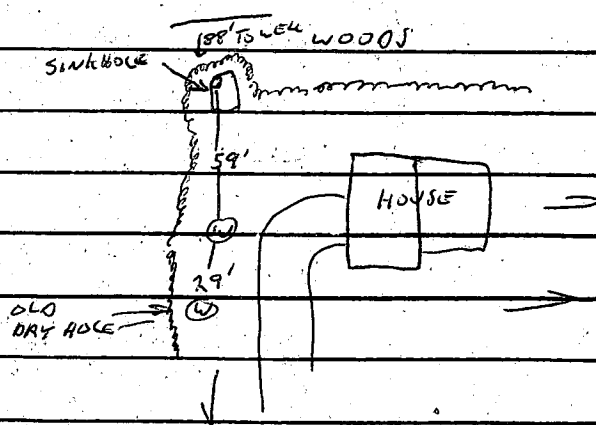
REASON FOR INVESTIGATION Owner complains of large sink hole in 15'x30' opening in woods near Northwest View from end of her driveway. She believes it may be the "dry" well hole attempt reported on her well completion report which may have been TM properly abandoned. CODES _____

RECEIVED BY R.J. Pinkley DATE 3/29/96 ASSIGNED TO _____ DATE _____

DATE OF INVESTIGATION 4-1-96 TIME 10:45 WEATHER 50°F, RAIN

REPORT SUNKEN AREA OBSERVED AT EDGE OF LAWN X WOODS. GROUND HAS DROPPED 6-12" IN AN UNEVEN PATTERN OVER A 15'x20' RECTANGLE, A SMALL PORTION HAS SUNKEN ABRUPTLY LEAVING A 1'x2'x1' HOLE THE REST APPEARS TO BE SETTLING GRADUALLY. THIS COULD BE A FILLED AREA SINCE IT IS AT THE EDGE OF THE GRADING FOR THE HOME (BUILT THE SUMMER OF 1992). THE WELL IS 40'-50' FROM SINKHOLE. EXCAVATION WOULD BE REQUIRED TO DETERMINE NATURE OF THE HOLE. NO EVIDENCE OF PREVIOUS STRUCTURES AT SITE. COMPLAINANT NOT HOME.

FOLLOW UP CALL REQUIRED.
4/2 COPY OF WELL LOCATIONS
MAILED TO HOMEOWNER. NO FURTHER ACTION AT THIS TIME.



DATE SUBMITTED _____ SANITARIAN [Signature]