

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK. LEVEL 200 0 CLEANOUTS ST OK

DISTRIBUTION BOX. LEVEL _____

DRAIN FIELD/TILE FIELD. DEPTHS 1 2 3 FT TRENCH WIDTH 3 3 3 FT. INLET DEPTH 3 3 3 FT.

EFFECTIVE GRAVEL DEPTH 1.5 1.5 1.5 FT. TOTAL LENGTH 10.5 10.8 10.8 FT. TOTAL 32

NUMBER OF TRENCHES 3 ~~ON GRAVEL~~/BOTTOM AREA 963 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 10/12/89 - LOCATION OK TRENCH OK Rgt

DATE SYSTEM APPROVED 10/14/89 INSPECTOR Raymond Godge

91
38

16
5-

APPLICATION

SEWAGE DISPOSAL TESTING

A 39504

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 30

DATE April 20, 1987

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 John A. Baender Connolly Const. Mgt. Inc - 799-5288
ADDRESS Rover Mill Road PHONE 465-7777

PROPERTY LOCATION:

SUBDIVISION ~~No Connolly Property~~ ROVER MEADOWS LOT NO. 2
ROAD AND DESCRIPTION on the East side of Rover Mill Road, at the intersection of
Old Rover Road 13870 Rover Mill Rd
SIZE OF LOT 3 Acre Minimum TYPE BLDG. 3-4
(NUMBER OF BEDROOMS)

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.

Dennis M. Kuhl
(SIGNATURE OF APPLICANT)

APPROVED BY Sidney Abel FOR Standard franchises DATE 10-3-88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 5-22-87 - HOLD FOR PLAT - House + well site? S. Abel

6-29-87 NO ADJUSTMENT IN PERC AREA PERMITTED DOWNSLOPE LIMITED
WELL SITE MAX # N3. SA.

BLDG. PERMIT SIGNED
AND RETURNED 10/3/88

BP 21664 Sabel

THIS IS NOT A PERMIT

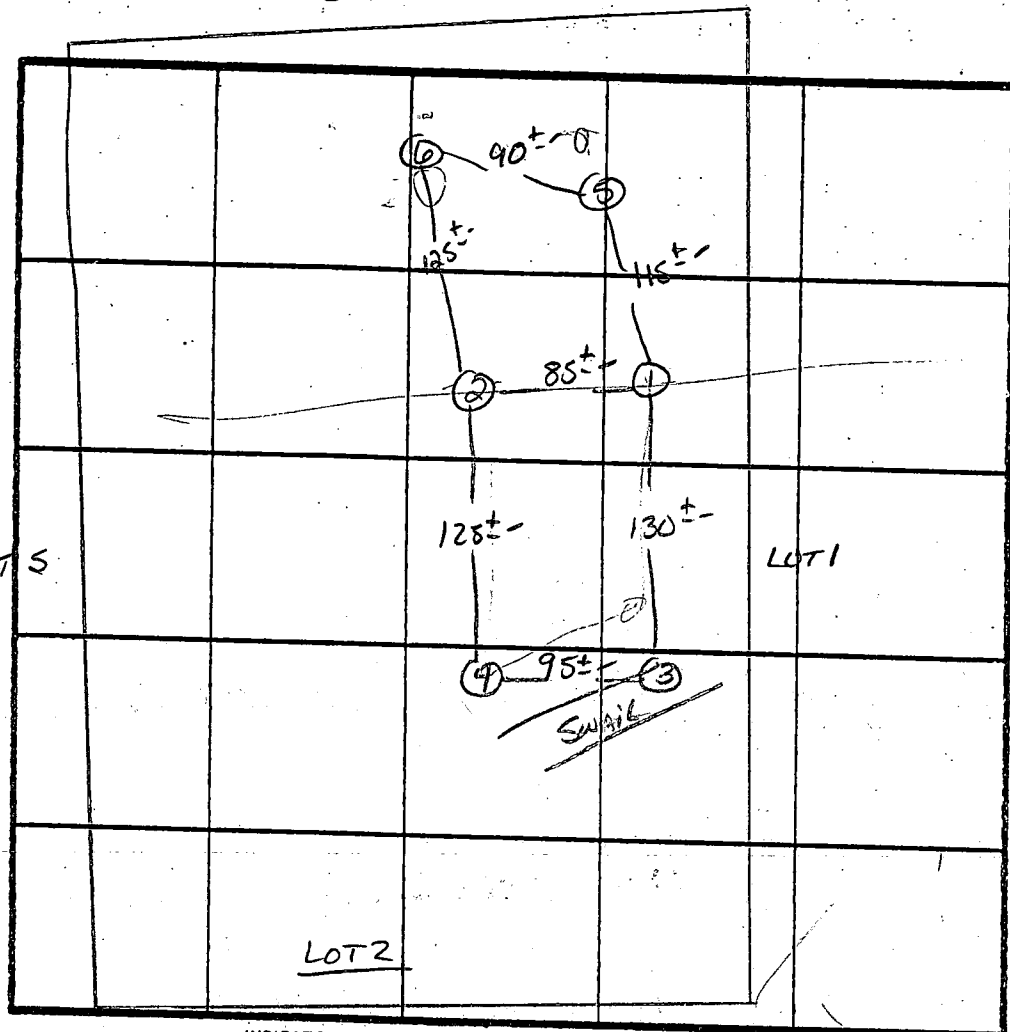
LOT 3

① → ⑥
SOIL PROFILE

12'±
AP
Yell CLS
Yell RED
SILT CLAY
Lm.
QUARTZITE
% VARIES

3-4.5'
Yellow BK
LOAM
20-25%
FRAGS

9.5' ▽ VARIES



X PER 5 MIN
190 \$/BR
MAX INLET
3'
BOTTOM MAX
4.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
ROVER MILL Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/22/87	1 S 1 V	3' WATER AT 9.5'	1:07	1:11	1:11	1:18	7 MIN
	2 S 2 M	4' 7'	1:24 1:25	1:29 1:26	1:29 1:26	1:35 1:28	6 MIN 2 MIN
	2 V	12.5'	DAY TO 12.5' UNIFORM Below		35-		
	3 S 3 V	3.5' WATER AT 9.5'	1:10	1:12	1:12	1:14	2 MIN
	4 S 4 V	4.5' DAY AT 12'	1:16	1:18	1:18	1:22	4 MIN
			UNIFORM Below		3.5'		

REMARKS Holes DIFF THAN PLAT.

TYPE OF SOIL Cherty Lm. → Gravely Lm.

S. AB1

Rocky Dennis R. Neil

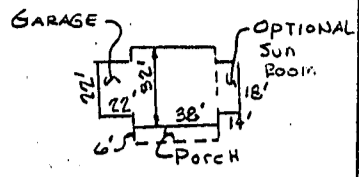
EH-12-1079

HOUSE:
 FIRST FLOOR - 519.04 ✓
 BSMT - 510.50 ✓
 GAR. ELEV. - 517.04 ✓
 INV. OUT - 508.40 ✓ + BSMT

SEPTIC TANK:
 INV. IN - 508.0 ✓
 INV. OUT - 507.8 ✓
 EX. GRADE - 511.5 ✓

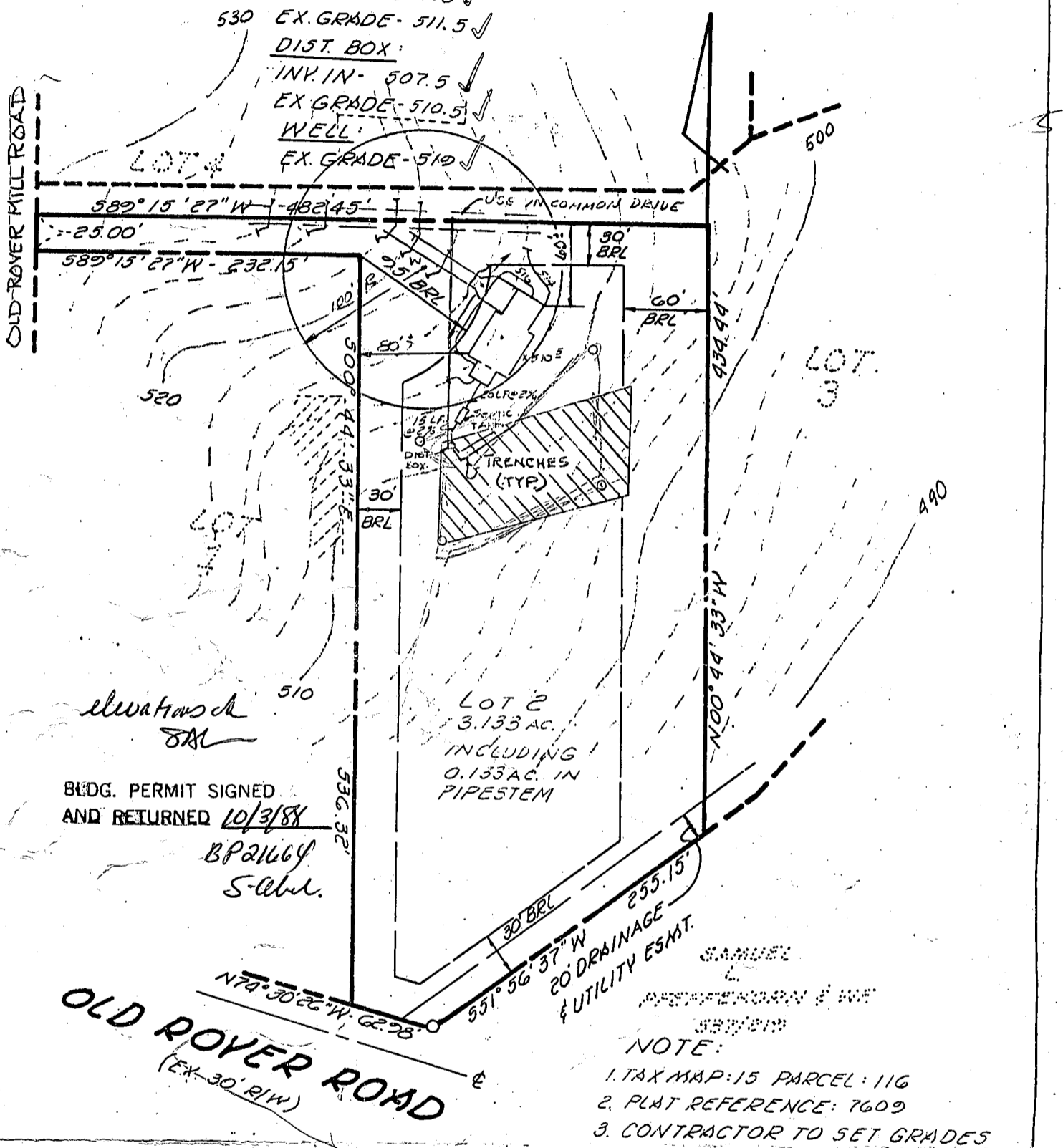
DIST. BOX:
 INV. IN - 507.5 ✓
 EX. GRADE - 510.5 ✓

WELL:
 EX. GRADE - 510 ✓



PLAN
 NTS

OLD ROYER MILL ROAD



elevations shown
 SA

BUDG. PERMIT SIGNED
 AND RETURNED 10/3/88
 BRADLEY
 S-Club.

OLD ROYER ROAD
 (EX. 30' R/W)

NOTE:
 1. TAX MAP: 15 PARCEL: 116
 2. PLAT REFERENCE: 7609
 3. CONTRACTOR TO SET GRADES
 IN FIELD.
 4. TOPO SHOWN HEREON
 BASED ON FIELD RUN
 TOPOGRAPHY.

TITLE: GRADING STUDY				
PROJECT: ROYER MEADOWS - LOT 2				
LOCATION: 3RD ELECTION DISTRICT HOWARD CO., MD.				
SCALE: 1" = 100'	DESIGNED BY: L.E.B.	DRAWN BY: D. WELSH	CHECKED BY:	DATE: 8-4-88
FIELD BOOK:	PAGE NO.:	JOB NO.: 87221	DRAWING NO.: 1 OF 1	

boender associates
 inc.
 consulting engineers
 land surveyors
 land planners

COURTHOUSE SQUARE
 3565 ELLICOTT MILLS DRIVE
 ELLICOTT CITY, MD. 21043
 13011 465-7777

B 1 1314

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

STATE PERMIT NUMBER

NO-88-0072

fill in this form completely

Date Received (APA)

07 29 88

OWNER INFORMATION

BOENDER HSSSELIAPES

2565 ELLICOTT MILLE

ELLICOTT MILLE

DRILLER INFORMATION

Joseph L. Mayne 238

Joseph L. Mayne Well Drilling

5511 Ridge Rd. Mt Airy MD

Signature Date

B 3

LOCATION OF WELL

HOWARD

ROVER MEADOWS

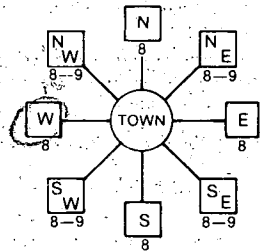
SECTION LOT 2

W. ST. FRIENDS WPK

MILES FROM TOWN (enter 0 if in town) 2 1/2 MI

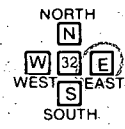
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



NEAR WHAT ROAD Kimwell Rd.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 400

ENTER FT or MI

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD A 39504

STATE SIGNATURE DATE ISSUED

07 29 88 B Nifan 01/29/88

NORTH GRID 532000 EAST GRID 0801000

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

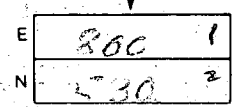
- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. 10-11
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

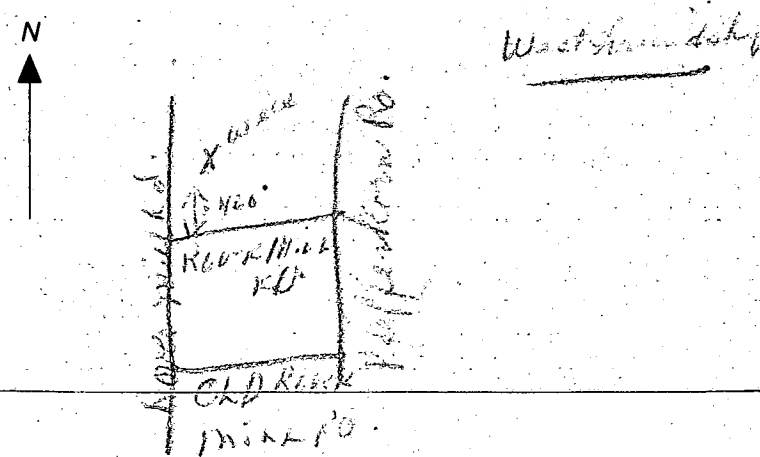


8/9/88, 9:30
42' Well point
89' casing
12' Bags of Cement
STILL GRouting
8/9 c. b.d

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
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
D 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 (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE BN PERMIT No. 40-88-0072

SPECIAL CONDITIONS

C1 **9605** SEQUENCE NO. (DENY USE ONLY)
 1 2 3 4 5 6
 (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 **A39504**

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **190988** Depth of Well **22 985** 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **40-88-0072**

OWNER **BOCUDER ASSOCIATES** last name **BOCUDER** first name **ASSOCIATES** STREET OR RFD **ROVER MILL RD** TOWN **WEST FRIENDSHIP** SUBDIVISION **ROVER MEADOW** SECTION **2** LOT **2**

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	
SAND	0	83	
CONGLOMERATE ROCK	83	285	

GROUTING RECORD
 WELL HAS BEEN GROUTED: YES NO
 (Circle Appropriate Box)
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS **15** NO. OF POUNDS **1410**
 GALLONS OF WATER **90**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **42** 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) **285**

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	3
1	40	17	285
2			
3			

A 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. **738**
 DRILLERS SIGNATURE *Robert R. M...*

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

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

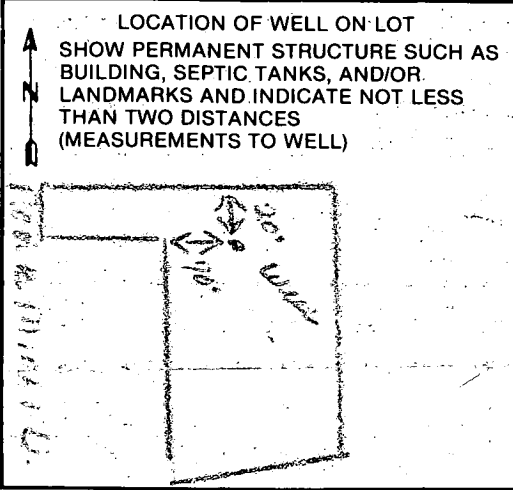
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) WQ
 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 **Bucket**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **23**
 WHEN PUMPING **72**
 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 } LAND SURFACE (nearest foot) **2**
 - below }



11/14/89
any
11/22/89

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

30
M
11

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement

Receipt # 45102
Date 10/23/89

Name of Installer Walter W. King Plbg. & Htg. Contr., Inc Telephone 1-301-662-6990

License Number 2217
Certified Well Pump Installer Well Driller Registered Plumber X

Name of Property Owner Connolly Construction Telephone 1-301-799-5988
Subdivision Rover Meadows Lot # 2 Well Tag # H0-88-0072
Site Address 13870 Rover Mill Rd.
West Friendship, Md. 21794

Pump	Motor	Pitless Adapter
1. Type	1. Horsepower <u>3/4</u>	1. Make <u>Martinson</u>
a. Deep well jet <u> </u>	2. RPM <u>3500</u>	2. Model # <u>BP-10X</u>
b. Shallow well jet <u> </u>	3. Voltage <u> </u>	3. Depth <u>42" min</u>
c. Submersible <u> </u>	a. 110 <u> </u>	60" max
2. Make <u>Goulds</u>	b. 220 <u> X </u>	
3. Model # <u>7EH07422</u>		
4. Capacity <u>7</u> GPM		
5. Pump exceeds well capacity Yes <u> X </u> No <u> </u>		
6. If Yes, is low pressure cutoff switch installed? Yes <u> X </u> No <u> </u>		
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors <u> </u> Cable guards <u> X </u> Other <u> </u>		

Tank	Piping	Well data
1. Capacity <u>42</u>	1. Type <u>plastic 160#</u>	1. Depth <u>285</u> ft.
2. Pressure relief valve? <u>yes</u>	2. Size <u>1"</u>	2. Yield <u>5</u> GPM
	3. NSF and/or BOCA Code approved <u> </u>	3. Static water level <u> </u> ft.
	4. Depth of supply line <u>42" min</u> <u>60" max</u>	4. Will water supply be disinfected by installer? <u>yes</u>

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: Walter W King

Date: Oct 11 19 89

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

HD-215

11/14/89 UNCOVER PITLESS ADAPTER FOR INSPECTION
called Boulder He will call plumber
11/21/89 - PITLESS ADAPTER OK PRESSURE TANK NOT YET INSTALLED

B 7 9364 SEQUENCE NO. (OEP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

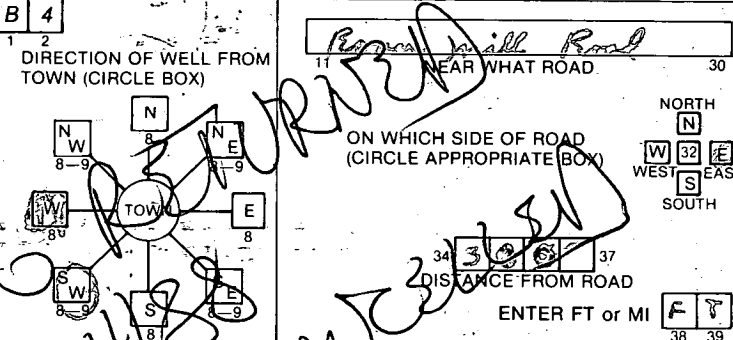
STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

OEP PERMIT NUMBER
40-81-2476
fill in this form completely

Date Received 10 19 87
OWNER INFORMATION
Alexander Associates
3565 Fellicott Mill Rd
Fellicott City Maryland

B 3 LOCATION OF WELL
Howard County
Rover Meadows
SECTION 44 LOT 2
West Friendship
MILES FROM TOWN 2 1/2 MI

DRILLER INFORMATION
Joseph H. Wagner
Wells Drilling
5512 Ridge Rd. Mt. Airy Md. 21771
10/9/87

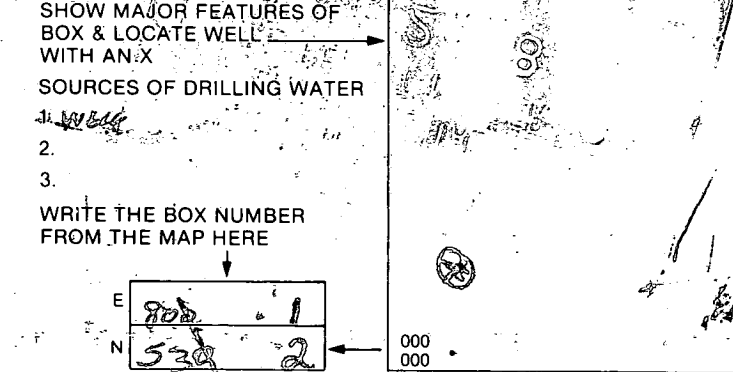


B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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

APPROXIMATE DEPTH OF WELL 260 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
other

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

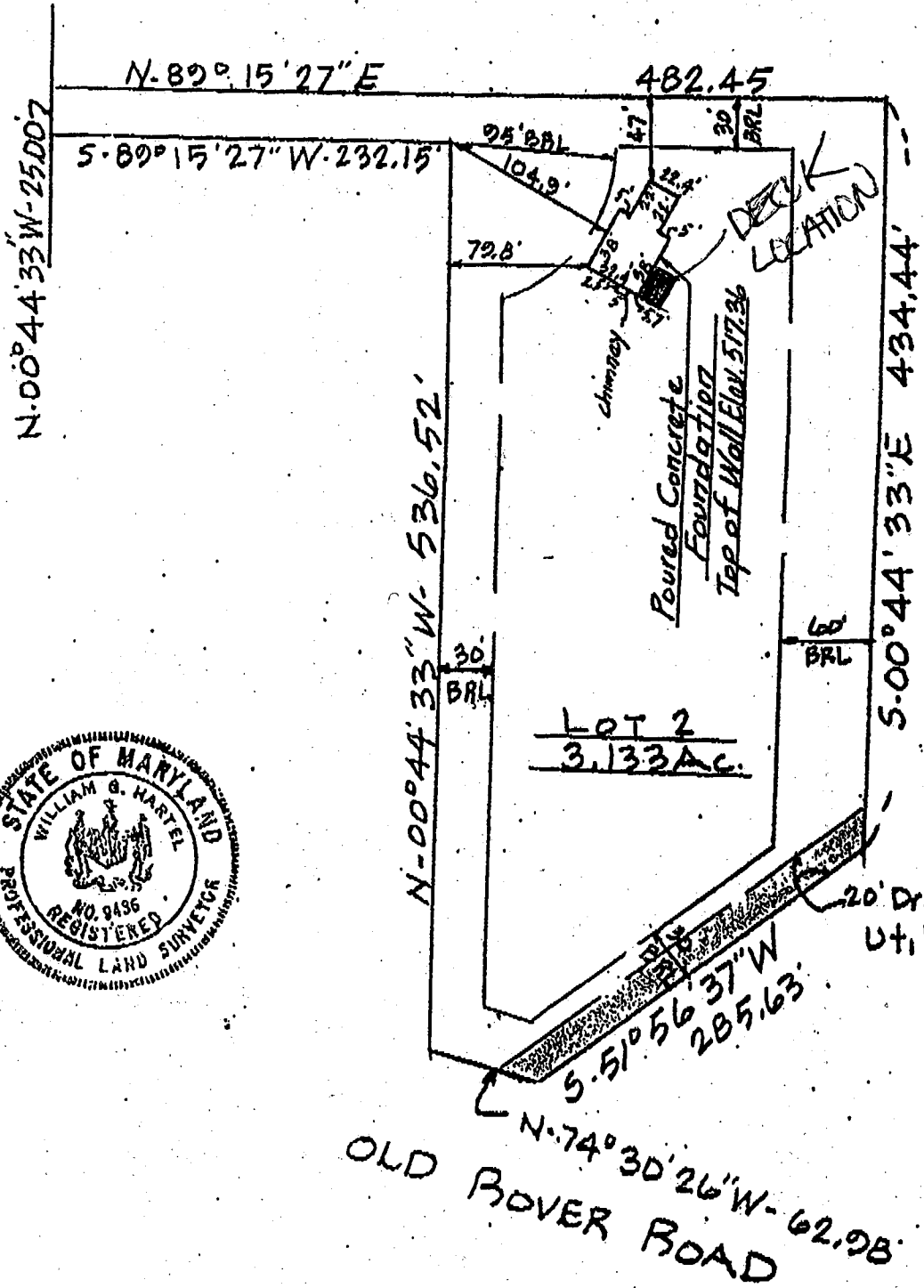


Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER GAP
FORCE INITIALS IN BOX PERMIT No. 40-81-2476

SPECIAL CONDITIONS

The Lot shown hereon does not lie within the limits of a recorded Floodplain Easement

OLD ROVER MILL ROAD



NO IMPACT
ON WELL OR 56 PELL
10/10/89
Cray W. Hartel



20' Drainage + Utility Easement

OLD ROVER ROAD

Plat Reference: Rover Meadows, Lots 1-4 recorded in Platbook 7609

TITLE LOCATION SURVEY					THIS IS TO CERTIFY THAT WE HAVE CONDUCTED A LOCATION SURVEY OF THE IMPROVEMENTS AND THAT THEY ARE LOCATED AS SHOWN HEREON. <i>William G. Hartel</i> SIGNATURE
PROJECT LOT 2 - ROVER MEADOWS					
LOCATION 3RD ELECTION DISTRICT, HOWARD CO., MD.					REG. NO. 9436 DATE 8-22-89
FIELD BOOK 121	PAGE NO. 50	DRAWN BY: Bjt	CHECKED BY	DATE: 8-22-80	boender associates inc. consulting engineers land surveyors land planners COURT HOUSE SQUARE • ELLICOTT CITY, MD. 21043 (301) 465-7777
SCALE: 1" = 100'		JOB NO.: 87221			
THE INFORMATION ON THIS PLAT SHOWS ONLY THAT THE IMPROVEMENTS INDICATED HEREON ARE CONTAINED WITHIN THE CONFINES OF THE LOT UPON WHICH THEY ARE ERECTED. THIS PLAT IS NOT TO BE CONSTRUED AS, OR USED FOR THE ESTABLISHMENT OF PROPERTY LINES.					