

File

9/12/88 6:16 PM

9/13/88 PM + LATE P.M.

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

**INDEXED**

05-391 881

P 42068

A 27486

DISTRICT 5th

DATE 6/29/88

DATE SYSTEM APPROVED 9/13/88

INSPECTOR C. S. J.

Alan Whitworth Excavating IS PERMITTED TO INSTALL  ALTER

ADDRESS 12680 Clarksville Pike, Clarksville, MD 21029 PHONE 531-5033

SUBDIVISION Kalmia Farms ROAD 14741 Betula Way LOT 12

PROPERTY OWNER Tom Buckler

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES \_\_\_\_\_ NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the first trench <sup>up</sup> the left (625') line and 60 feet from the left side of the lot as seen when facing the lot from Betula Way. Run trenches on contour toward the right side line.

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

PLANS APPROVED BY Sid Abel (Updated) DATE 6/01/88

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 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 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.

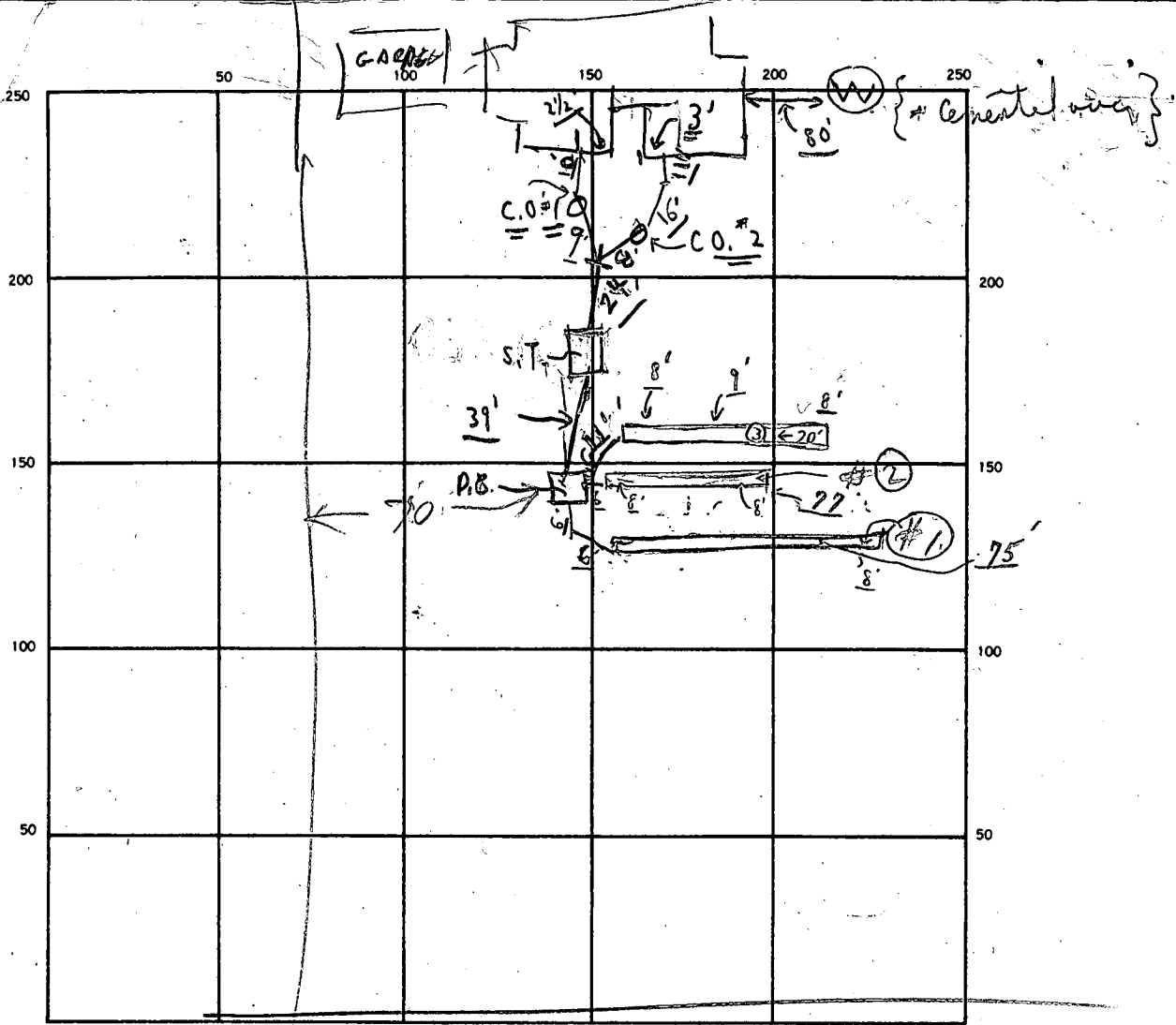
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 27482



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK, LEVEL <u>1500</u>	CLEANOUTS	S.T. <u>OK</u>	C.O. #1 <u>OK</u>	C.O. #2 <u>OK</u>
DISTRIBUTION BOX, LEVEL <u>OK - Baffle</u>				
DRAIN FIELD/TILE FIELD, DEPTH <u>2 2/8</u> FT.	TRENCH WIDTH <u>2 2 2</u> FT.	INLET DEPTH <u>4</u> FT.		
EFFECTIVE GRAVEL DEPTH <u>4 +</u> FT.	TOTAL LENGTH <u>75 79 70</u> FT.	<u>222</u>		
NUMBER OF TRENCHES <u>3</u>	ONE SIDEWALL/BOTTOM AREA <u>888</u>	SQ. FT.		
DRYWELL INSIDE DIAMETER <u>-</u> FT.	EFFECTIVE DEPTH BELOW INLET <u>4</u>	FT.		
ABSORBENT AREA <u>888 +</u>	SQ. FT.			

REMARKS 9/12/88 - LOCATION APPEARS OK 19/12/88 ADD STONE TO TRENCH #1 FINISH TRENCH #2 & ADD STONE DIG TRENCH #3 & ADD STONE BUT LEAVE END OPEN TO MEASURE  
DEPTH R/W: 9/13/88 OK - TO COVER FROM HOUSE TO SEPTIC TANK -> THRU -> AND TO DIST. BOX;  
ALL (3) THREE TRENCHES - OK - FOR STONE, 9/13/88 OK TO COVER ALL  
WORK. FILE - FINAL. C.B.O

DATE SYSTEM APPROVED 9/13/88 INSPECTOR Charles Bryan Stricker

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 27482

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P.O. BOX 476 ELLICOTT, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT 5<sup>th</sup>

DATE \_\_\_\_\_

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 ~~Kimberly Hill, owner, 4100 Kalmia Farms~~ TOM BUCKLER

ADDRESS 2901 Olney - Sandy Spring Rd, Olney, Md PHONE 924-3668

PROPERTY LOCATION:  
SUBDIVISION KALMIA FARMS - SECTION 2 LOT NO. Final # 12

ROAD AND DESCRIPTION ~~Philadelphia Mill Road~~  
14741 BETULA WAY

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_

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.

SIGNATURE OF APPLICANT \_\_\_\_\_

APPROVED BY Raymond Dodge FOR Trench DATE 8/26/83

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 3/19/80 Reaccomplished @ office.  
8/26/83 Spec Written R/H C.B.S.

BLDG. PERMIT SIGNED AND RETURNED 6-1-88

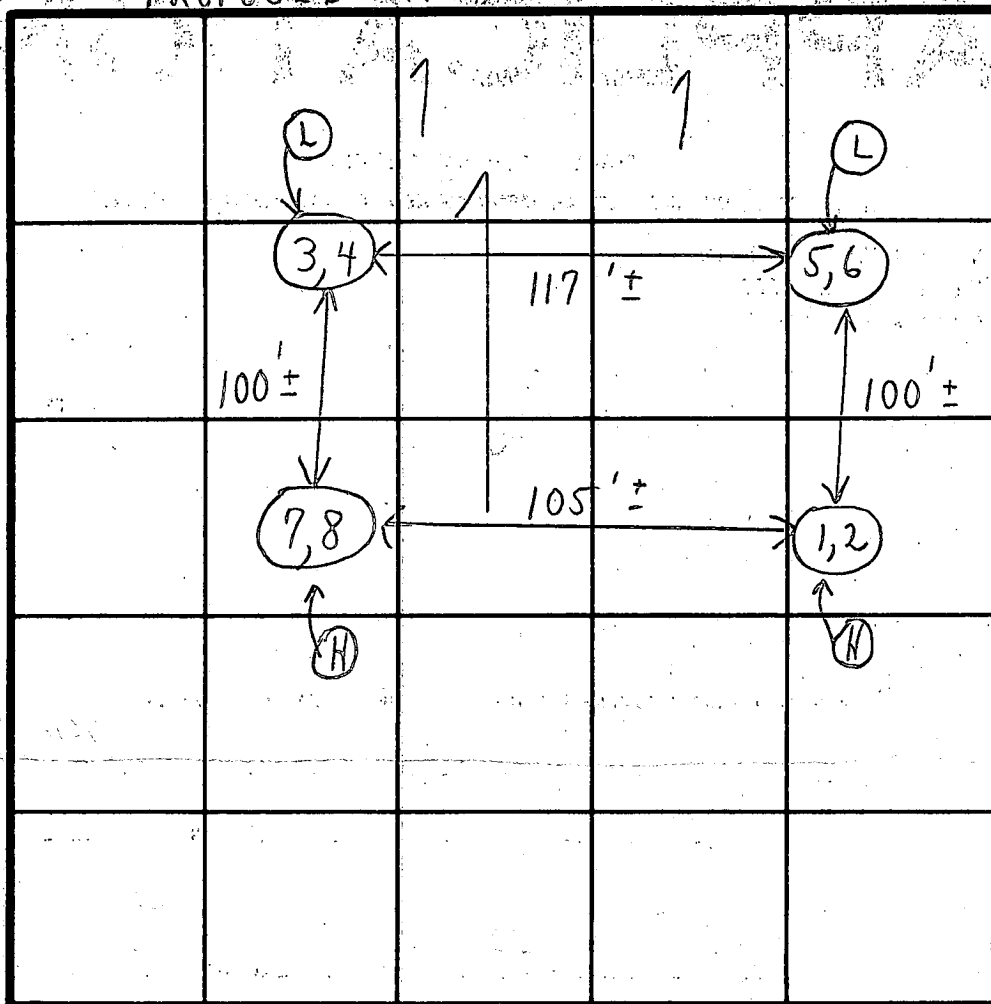
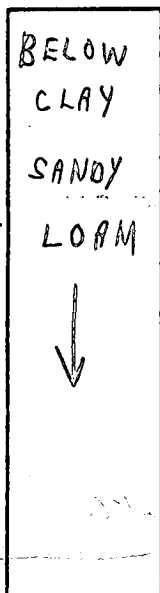
BP 18915 Feb

# THIS IS NOT A PERMIT

PROPOSED ROAD

# 12 Sec 2

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/10/78	1	4 1/2'	2:27	2:29	2:29	2:32	3 min
	2 (H)	12 1/2'	2:27	2:30	2:30	2:38	8 min
	3	4 1/2'	2:52	2:55	2:55	2:59	4 min
	4 (L)	12'	2:52	2:54	2:54	2:57	3 min
	5	4'	3:01	3:04	3:04	3:10	6 min
	6 (L)	12'	3:00	3:04	3:04	3:12	8 min
	7 (H)	3'	2:39	2:41	2:41	2:45	4 min
	8	11 1/2'	2:39	2:46	2:46	3:07	21 min
						8	57

Under 4  
hard ground  
4 1/2'

8 min.  
avg.

REMARKS Tested in area of small shrubs.

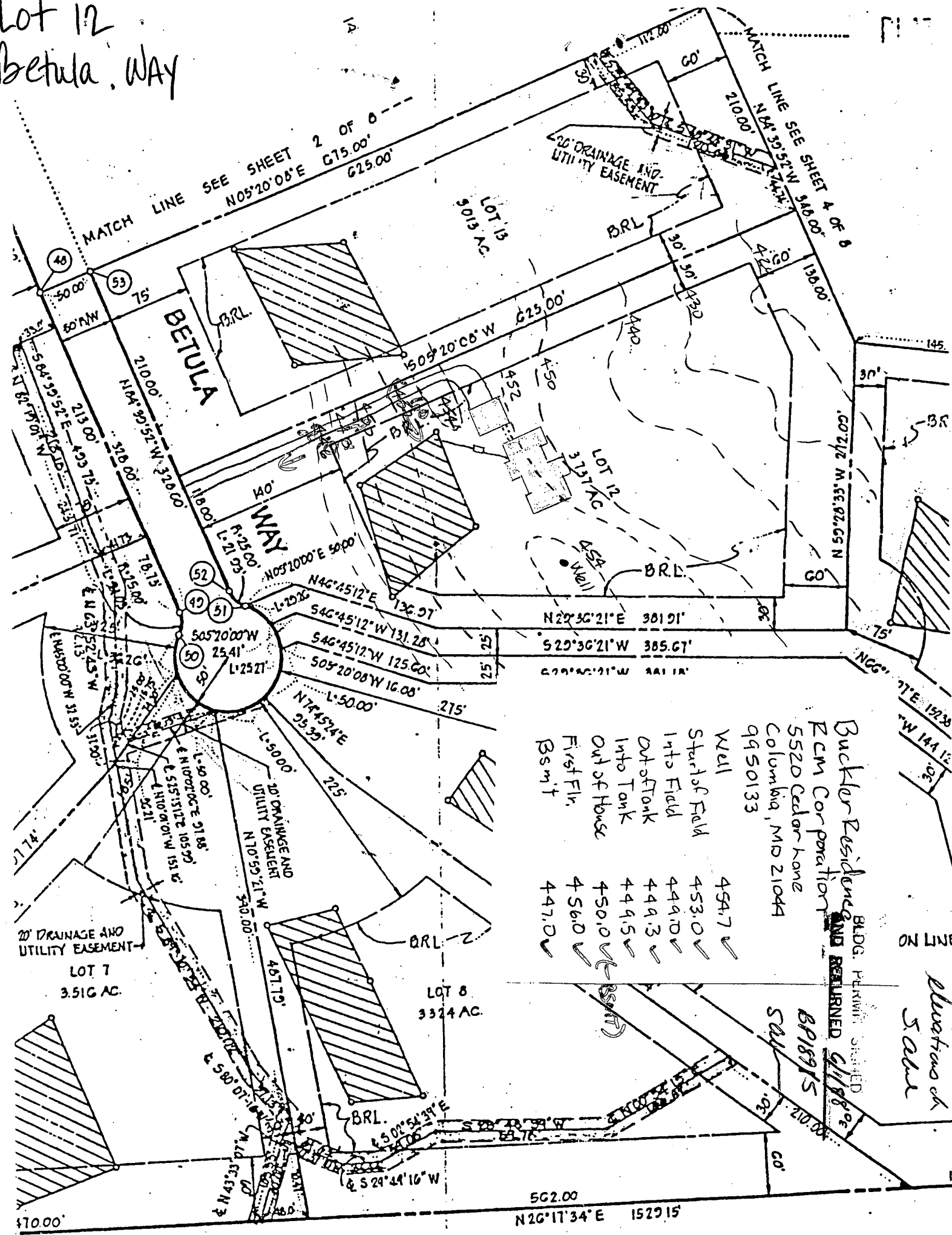
TYPE OF SOIL

TESTED BY C. B. J.

ALSO PRESENT

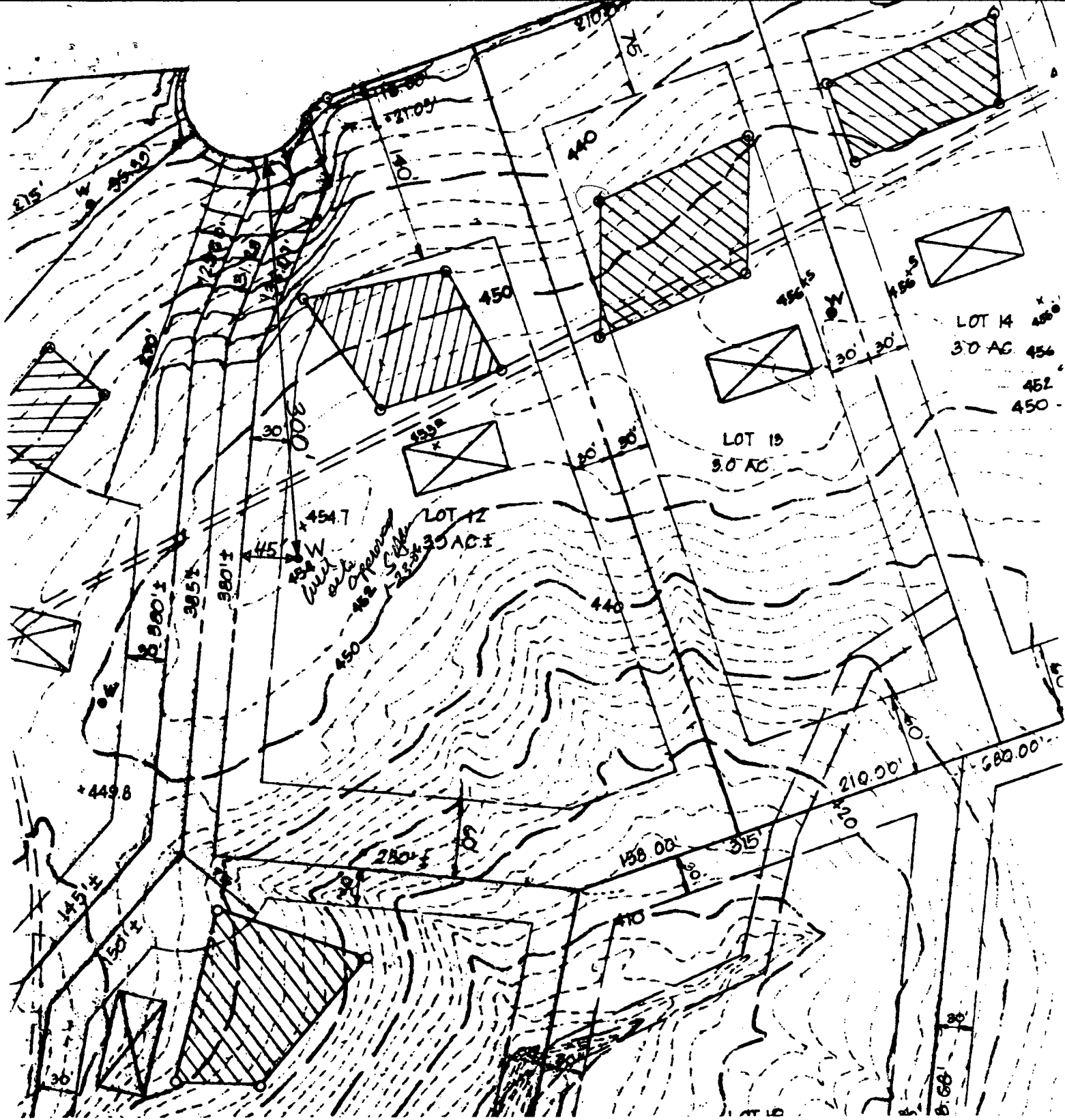
{ B. Atteridge }  
man

Lot 12  
Betula Way



- Buckler Residence BDDG. PERMIT SCHEDULED
- FCM Corporation ~~AND RETURNED~~ 4/18/82
- 5520 Cedar Lane
- Columbia, MD 21044
- 9450133
- Well 454.7 ✓
- Start of Field 453.0 ✓
- Into Field 449.0 ✓
- Out of Tank 449.3 ✓
- Into Tank 449.5 ✓
- Out of House 450.0 ✓
- First Flr. 456.0 ✓
- Bsm't 447.0 ✓

ON LINE  
 Auction of  
 S. Salas  
 BR18915  
 4/18/82



EASTRDAY

R-3643/  
30.10  
1/17/86.

Kalmin Farms

Section 2

Between Way

Clifton Fellis

B 1 1277 SEQUENCE NO. (OEP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

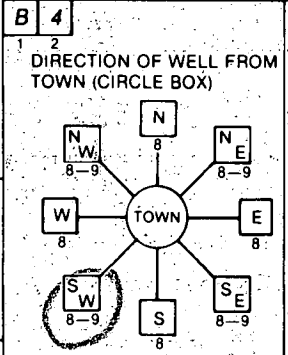
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

OEP PERMIT NUMBER  
40-91-1317  
 fill in this form completely

Date Received 2/25/86 8:10 AM  
 OWNER INFORMATION  
 15 Last Name TRELLIS Owner  
 First Name CLIFF  
 36 9390 DUNDON Street of RFD  
 57 COLLEGE PARK Town 70 State 72 MD 21045 Zip 76

B 3 LOCATION OF WELL  
 18 COUNTY HARFORD  
 23 SUBDIVISION WALTON FARMS  
 SECTION 7 LOT 17  
 52 NEAREST TOWN WALTON  
 MILES FROM TOWN (enter 0 if in town) 2 M I

DRILLER INFORMATION  
 Driller's Name GEORGE A. GASEPDA 77 License No. 40  
 Firm Name G.A. GASEPDA, INC.  
 Address 2915 BROWN CH RD, RT. 100, MD 21771  
 Signature George A. Gasepda Date 1-17-86



NEAR WHAT ROAD Rt. 110  
 COUNTY NAME HARFORD COUNTY NO. A 27487  
 OEP SIGNATURE George A. Gasepda STATE HEALTH INSERT S 41  
 DATE ISSUED 012386 CO SIGNATURE John A. Hill EXP. DATE 12-23-86  
 NORTH GRID 506000 EAST GRID 0792000

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
 SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. WELL  
 2. WELL  
 3. WELL  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 E 7902  
 N 5000  
 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION  
N3/3/86 used 25 days  
11:00 AM - left site before grout finished  
WALTON  
55 B 224  
DETULAWAY  
WALTON

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)

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  
 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  
 THIS WELL WILL DEEPEM AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) \_\_\_\_\_

Not to be filled in by driller (OEP USE ONLY)  
 APPROP. PERMIT NUMBER GAP  
 FORCE 5A WRITE INITIALS IN BOX PERMIT No. 40-91-1317

SPECIAL CONDITIONS



C1 00851

SEQUENCE NO. (OEP USE ONLY)

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-27482

DATE RECEIVED

DATE WELL COMPLETED 022286

DEPTH OF WELL 160 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-1317

OWNER TELLIS CLIFF last name first name STREET OR RFD BETULA WAY TOWN DAYTON SUBDIVISION KALMIA FARMS SECTION 2 LOT 12

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. Rows include Topsoil, Br. mica, Tan mica, Gray mica, etc.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N

TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 250 NO. OF POUNDS 200 GALLONS OF WATER 125 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 38 ft.

CASING RECORD casing types insert appropriate code below ST CO PL OT STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE ST Nominal diameter top (nearest inch) 6 Total depth of main casing (nearest foot) 160

OTHER CASING (if used) diameter 81 inch depth (feet) from to

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

DEPTH (nearest ft.) 40 78 160 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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 TELESCOPE CASING LOG INDICATOR OTHER DATA

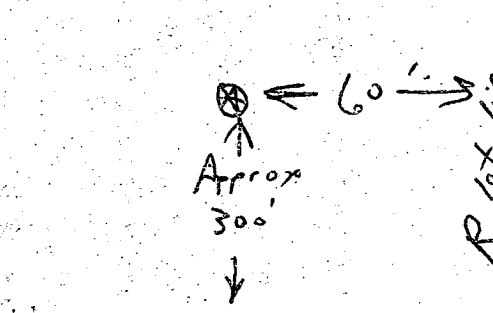
PUMPING TEST

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 53 WHEN PUMPING 54 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 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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

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)



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 (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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 # 42599  
Date 9/20/88  
Name of Installer G. Donald Dement Telephone 3846493  
License Number 276  
Certified Well Pump Installer  Well Driller  Registered Plumber   
Name of Property Owner Tom Buskler Telephone 384 8357  
Subdivision Kalmia Farms Lot # 12 Well Tag # 40-81-1317  
Site Address 14741 Betula Way

Pump Motor Pitless Adapter  
1. Type 1. Horsepower 1/2 1. Make Martinson BP10  
a. Deep well jet \_\_\_\_\_ 2. RPM \_\_\_\_\_ 2. Model # BP10  
b. Shallow well jet \_\_\_\_\_ 3. Voltage \_\_\_\_\_ 3. Depth 50"  
c. Submersible  a. 110 \_\_\_\_\_  
2. Make Grundfos b. 220 \_\_\_\_\_  
3. Model # 7FH0542.2  
4. Capacity 6 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 \_\_\_\_\_

Tank Piping Well data  
1. Capacity 60 1. Type Polystyrene 1. Depth 205 ft.  
2. Pressure relief valve? yes 2. Size 1" 2. Yield \_\_\_\_\_ GPM  
3. NSF and/or BOCA Code approved \_\_\_\_\_ 3. Static water level \_\_\_\_\_ ft.  
4. Depth of supply line 48" 4. 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: G. Donald Dement

Date: 9-19-88

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

