

9-3-87. Septic connected to house  
JEN/LC

1/14/87  
ASH

1/14/87  
NEEDS HOUSE  
CONN.  
JEN

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### MARYLAND STATE DEPARTMENT OF HEALTH

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

05-391806

P 38423

A 26347

DISTRICT 5th

DATE 1/13/87

DATE SYSTEM APPROVED 9-3-87

INSPECTOR JEN

INDEXED

C. C. Cissel IS PERMITTED TO INSTALL X ALTER

ADDRESS 14079 Brighton Dam Road, Clarksville, Maryland PHONE 854-2006

SUBDIVISION Kalmia Farms ROAD 14732 Betula Way LOT 4

PROPERTY OWNER Russell Coolidge (ACCESS FROM TRIAD MILL RD.)  
(IF BETULA WAY ACCESS IS NOT PASSABLE)

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 1000 GALLONS NUMBER OF BEDROOMS 3

J.G. PERMIT SIGNED  
AND RETURNED 6-5-98  
Serial # B70112152  
Septic tank (500gal)

**TRENCHES** - 240 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4 feet below original grade. 5 feet of stone below distribution pipe.

**LOCATION** - Place the distribution box 255 feet from the front (200') lot line and 70 feet from the left (638.3') lot line as seen when facing the lot from Betula Way. Run trenches on contour toward left lot line. Septic tank to be minimum 100 feet from well.

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

3-16-87 Pitless AT 70" well line covered on arrival, no inside work available

PLANS APPROVED BY S. Abel DATE 9/24/86

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 TERRACOTTA 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.

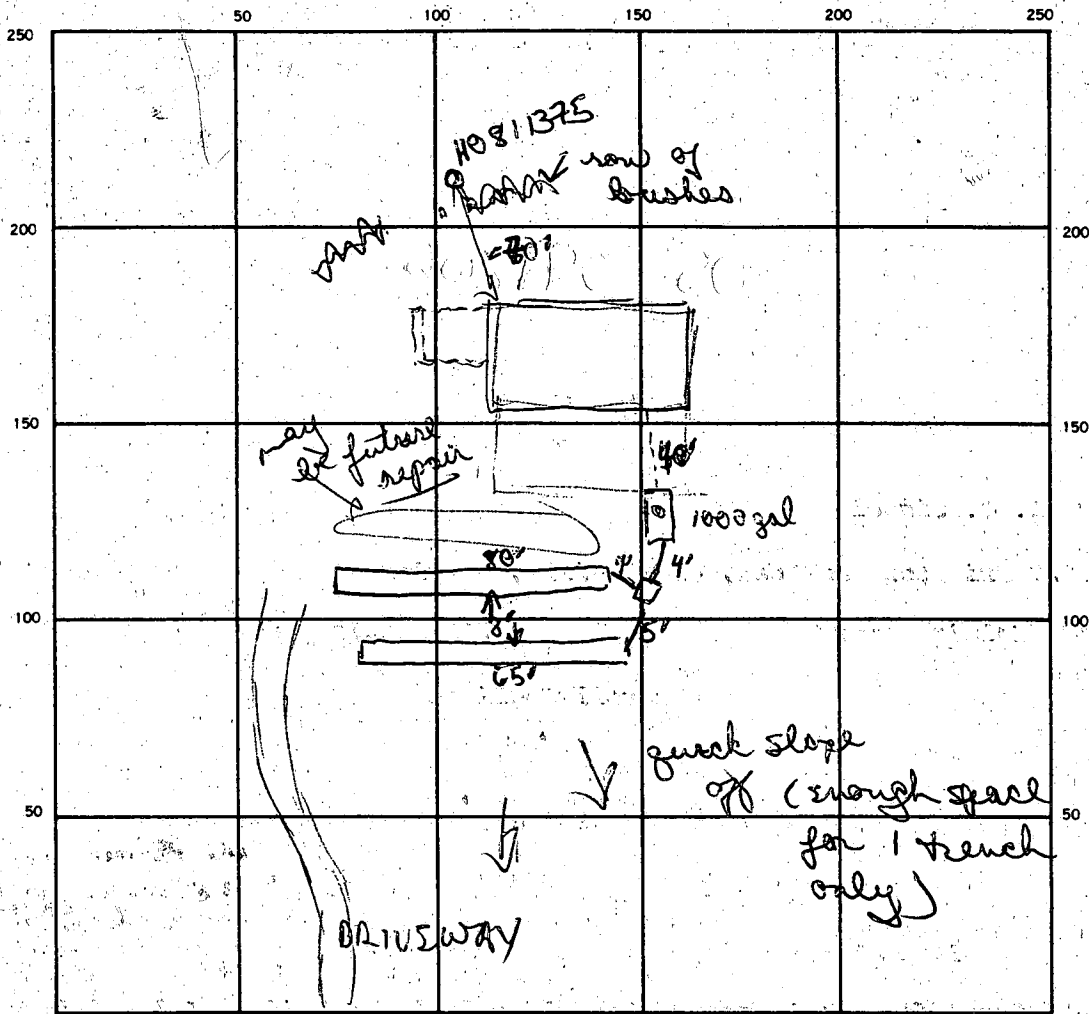
BLDG. PERMIT SIGNED  
AND RETURNED 4-15-98  
Serial # B7111104  
Septic tank

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

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

EH - 2-1186

A 210347



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

BETULA WAY

240  
3  
720  
142  
35 720  
55  
270  
142  
3  
720  
5  
22  
20  
20

SEPTIC TANK LEVEL 1000 gal CLEANOUTS 1 S+T

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TILE FIELD DEPTH 9 + 12 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 + 5 FT.

EFFECTIVE GRAVEL DEPTH 5 + 3 FT. TOTAL LENGTH 80 + 65 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 400 + 335 SQ. FT.

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

ABSORBENT AREA 735 SQ. FT.

REMARKS 1/14/87 no complete foundation - no house connection possible as yet. OK to add stone pipe paper to trenches 1+2.  
1/14/87 OK to paper trenches 1+2 + cover. OK to finish cementing

DATE SYSTEM APPROVED 9-3-87 INSPECTOR Jane Nadeau

NEED house connection ✓ ok for

# APPLICATION

A 26347

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

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

DISTRICT 5<sup>th</sup>

DATE \_\_\_\_\_

PLACE THE DRY WELL  
260 FT FROM THE FRONT LOT LINE &  
30 FT FROM THE LEFT SIDE OF THE LOT  
AS SEEN WHEN FACING THE LOT FROM  
BETULA WAY BH

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 Russell Codrige +/s Kalmia Farms Nursery

ADDRESS 2901 Olney - Sandy Springs Rd, Olney, Md. PHONE 924-3668

PROPERTY LOCATION:  
SUBDIVISION KALMIA FARMS SECTION 2 LOT NO. Final # 4

ROAD AND DESCRIPTION Triadelphia Mill Road  
14732 Betula Way

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

BLDG. PERMIT SIGNED  
AND RETURNED 10/24/83  
BP # 8496  
SAW

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 Sidney Abel

APPROVED BY [Signature] FOR Deep Trenches Dry Well & Ditch DATE 9/24/83  
7/20/83

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

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

REASONS FOR REJECTION OR HOLDING 3/21/80. Res completed @ office.  
7/20/83 Specs written C.B.A.

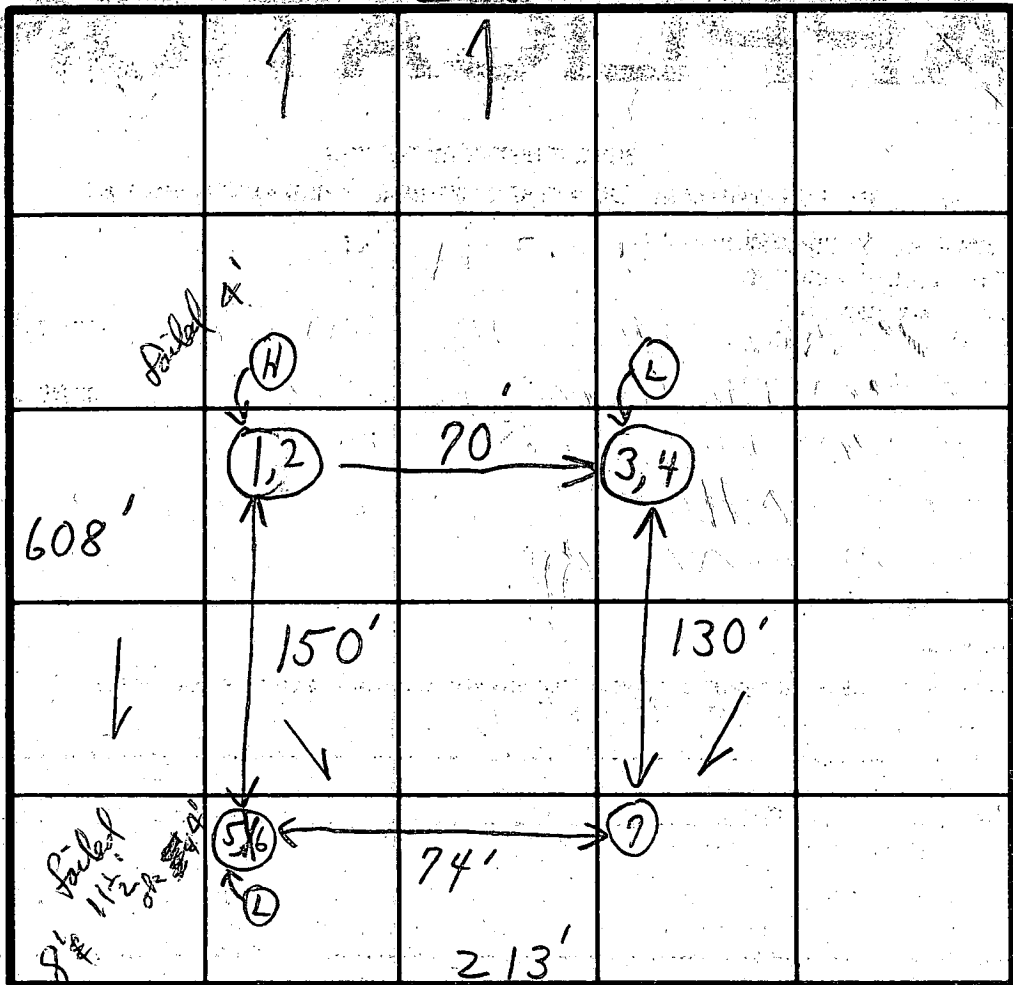
# THIS IS NOT A PERMIT

#4 SEC. 2

218'

SOIL PROFILE

BELOW  
CLAY  
SANDY  
LOAM  
↓



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

ROAD D

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/9/79	(1A)	4'	10:07	@10:38	1/4" to 1/2"	LOWER SHELF		
	(H) 2	12'	10:13	10:22	10:22	10:40	18 min per G.K.	
	3	3'	10:23	10:37	10:37	11:02	25 min	
	4	12'	10:23	10:29	10:29	10:46	19 min	
	5	4'	10:58	11:15	11:15	11:32	17 min	
	(6A)	11 1/2'	10:59	@ 11:33	1/2"	@ max		
	7	12'		Visual	5 1/2' - 12'	LOAM		
	1B	5'	11:35	11:37	11:37	11:44	17 min	
	(6B)	8'	1:08	1/2"	@ 1:55	5	94	
7/26/79	SEE R. H. TEST SHEET FOR HIS-HOLE CONFIGURATION							

X

per G.K.

ended 4'

19 min avg.

REMARKS Tests in open field

TYPE OF SOIL

TESTED BY C. B. A. + G. K.

ALSO PRESENT

**B 1** **0716** 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

**40-81-1375**  
 fill in this form completely

**Date Received**  
**OWNER INFORMATION**  
 8 COUNTY 21  
 15-Last Name 34 Owner First Name  
 36 Street or RFD 55  
 57 Town 70 State 72 Zip 76

**B 3** **LOCATION OF WELL**  
 8 COUNTY 21  
 23 SUBDIVISION 42  
 SECTION 44 46 LOT 48 50  
 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) 73 76 77 78

**DRILLER INFORMATION**  
 Driller's Name 77 License No. 80  
 Firm Name  
 Address  
 Signature Date

**B 4** **DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**  
 11 NEAR WHAT ROAD 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH (N) WEST (W) EAST (E) SOUTH (S)  
 34 37 DISTANCE FROM ROAD ENTER FT or MI 38 39

**B 2** **WELL INFORMATION**  
 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

**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 44  
 OEP SIGNATURE 41  
 DATE ISSUED 43  
 CO SIGNATURE 48  
 STATE HEALTH INSERT S 41  
 NORTH GRID 50 55  
 EAST GRID 57 63

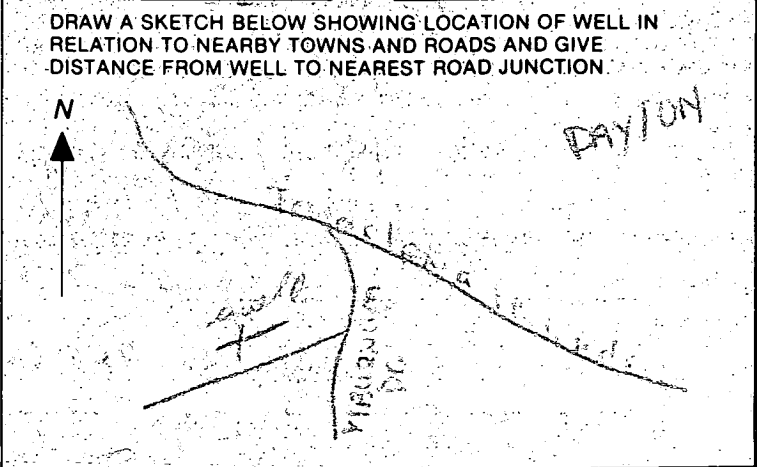
APPROXIMATE DEPTH OF WELL 24 28 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

**METHOD OF DRILLING (circle one)**  
 BORED (or Augered) JETTED Jetted & DRIVEN  
 30 AIR-ROtary AIR-PERcussion ROTARY (Hydraulic Rotary)  
 37 CABLE REVERSE-ROtary DRIVE-POINT  
 other

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. well  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 E 1790 2  
 N 500 7  
 000 000

**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) 41 52



**Not to be filled in by driller (OEP USE ONLY)**  
 APPROP. PERMIT NUMBER 54 GAP 63  
 FORCE 67 68 WRITE INITIALS IN BOX PERMIT No. 70 71 72 73 74 75 76 77 78 79  
**40-81-1375**

**SPECIAL CONDITIONS**

11/18/86

grout scheduled for 10<sup>00</sup> AM  
there by 10<sup>05</sup> - waited  
till 10<sup>30</sup> AM no one  
showed

←  
pump truck came  
directly off Triad Mill Rd  
instead of Betula way  
& is possible he was  
there w/out me seeing  
him

came back at 2 PM  
saw pump truck driving  
up hill to job (suppose  
to start 12<sup>30</sup> PM)

70' casing

18-19 bags found

(consistent w/ amt of casing)

open hole ?

looks to be location 2 or 3

(up on top of hill - OK)

Instead starting = 2<sup>30</sup> PM

C1, 00432 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 26347

DATE RECEIVED: [ ] [ ] [ ] [ ] [ ] [ ]  
 DATE WELL COMPLETED: 11 18 86

Depth of Well: 2280 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL": 40-81-1375

OWNER: COOLIDGE RUSSELL  
 last name first name  
 STREET OR RFD: BETULA WAY TOWN: DAYTON  
 SUBDIVISION: KALMIA FARMS SECTION: 2 LOT: 4

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	6	
Shale	6	15	
Sand Stone	15	60	
Mica	60	75	OK
Sand Stone	75	77	OK
Mica	77	250	✓
Flint	250	252	✓
Mica	252	280	

GROUTING RECORD  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES  NO   
 TYPE OF GROUTING MATERIAL: CEMENT  BENTONITE CLAY   
 NO. OF BAGS: 18 NO. OF POUNDS: 1800  
 GALLONS OF WATER: 95  
 DEPTH OF GROUT SEAL (to nearest foot): from 0 to 16 ft. (enter 0 if from surface)

CASING RECORD  
 casing types insert appropriate code below: ST CO PL OT  
 STEEL CONCRETE PLASTIC OTHER  
 MAIN CASING TYPE: ST  
 Nominal diameter top (main) casing (nearest inch): 6  
 Total depth of main casing (nearest foot): 70

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

SCREEN RECORD  
 screen type or open hole: ST BR HO  
 STEEL BRASS OPEN HOLE  
 BRONZE HOLE  
 PLASTIC OTHER

DEPTH (nearest ft.)  
 EACH SCREEN: 1 40 68 280  
 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

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

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.

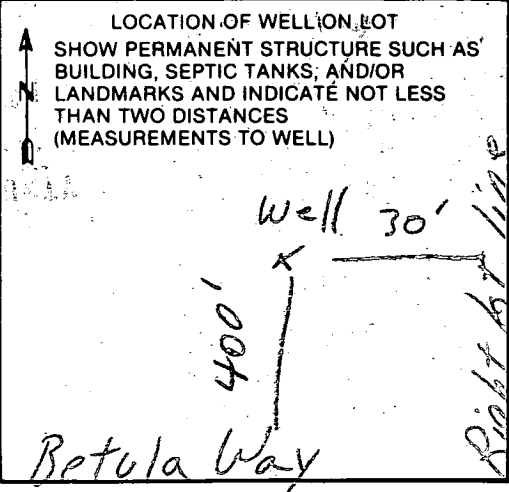
GRAVEL PACK: from [ ] to [ ]  
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

DRILLERS IDENT. NO. 40  
 DRILLERS SIGNATURE: Charles E. Fella  
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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.): 5  
 METHOD USED TO MEASURE PUMPING RATE: Bucket  
 WATER LEVEL (distance from land surface) BEFORE PUMPING: 109  
 WHEN PUMPING: 100  
 TYPE OF PUMP USED (for test): S submersible

PUMP INSTALLED  
 DRILLER WILL INSTALL PUMP: YES NO  
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: S  
 CAPACITY: GALLONS PER MINUTE (to nearest gallon): [ ] [ ] [ ] [ ]  
 PUMP HORSE POWER: [ ] [ ] [ ] [ ]  
 PUMP COLUMN LENGTH (nearest ft.): [ ] [ ] [ ] [ ]  
 CASING HEIGHT (circle appropriate box and enter casing height): + above - below  
 LAND SURFACE: 2 (nearest foot)







APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Court House Square  
Ellicott City, Md. 21043  
461-9933

New Installation X  
Replacement \_\_\_\_\_

Receipt # 38993  
Date 3/27/87

Name of Installer MECHANICAL SERVICE

Telephone 954-0520

License number 3075

Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber X

Name of Property Owner Coolidge

Telephone 381-3039

Subdivision KALMIA FARMS Lot # \_\_\_\_\_ Well tag # \_\_\_\_\_

Site Address 14732 BETULA WAY

Pump

- 1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible X
- 2. Make TEIT
- 3. Model # \_\_\_\_\_
- 4. Capacity 5 GPM

Motor

- 1. Horsepower 3/4
- 2. RPM \_\_\_\_\_
- 3. Voltage \_\_\_\_\_
  - a. 110 \_\_\_\_\_
  - b. 220 X

Pitless Adapter

- 1. Make TEEL
- 2. Model # 2P020
- 3. Depth 42"

- 5. Pump exceeds well capacity Yes \_\_\_\_\_ No X 3-11 87
- 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 X Other \_\_\_\_\_

Tank

- 1. Capacity 125 GAL EQU.
- 2. Pressure relief valve? YES

Piping

- 1. Type \_\_\_\_\_
- 2. Size 1"
- 3. NSF and/or BOCA Code approved Yes
- 4. Depth of supply line 250'

Well data

- 1. Depth 280 ft
- 2. Yield 6 GPM
- 3. Static water level 40 ft.
- 4. Will water supply be disinfected by installer? NO

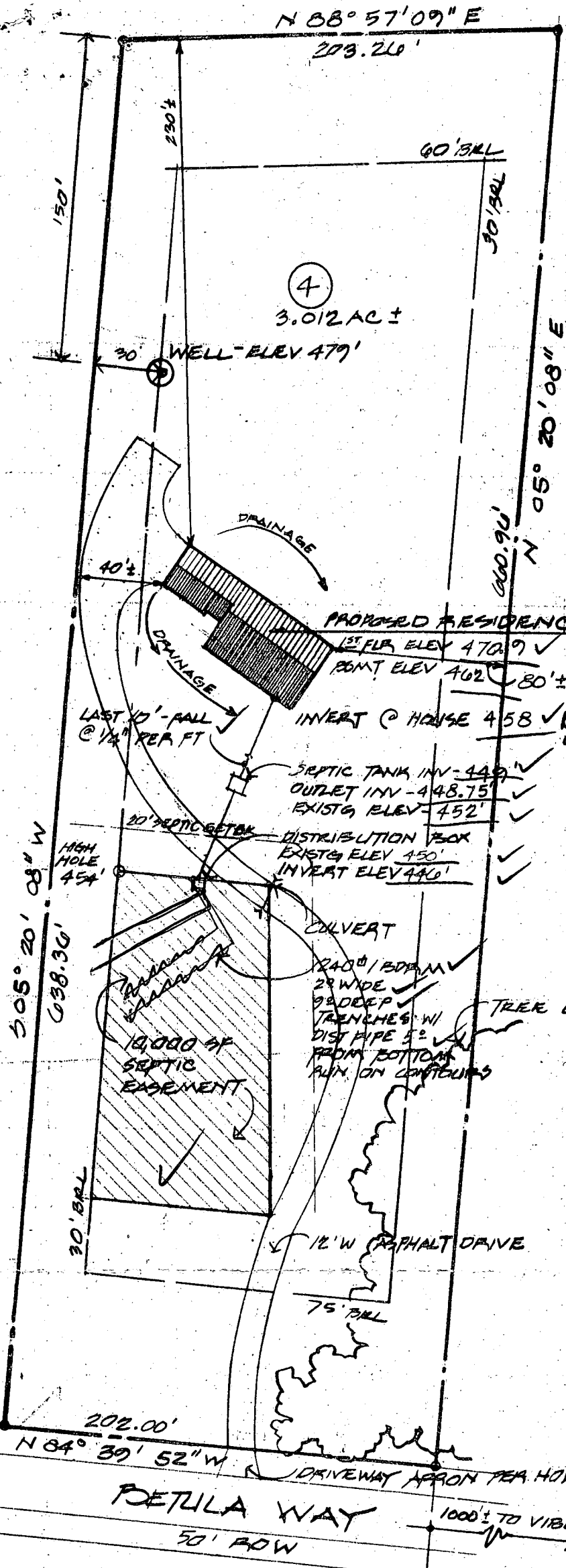
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Raymond Cook

Date: 3-10-87

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



**SITE NOTES**

14732 BETULA WAY  
 DAYTON MARYLAND 21036  
 LOT 4  
 KALINA FARMS SECTION 2  
 HOWARD COUNTY  
 5<sup>TH</sup> ELECTION DISTRICT

I CERTIFY THAT THE INDICATED  
 MEASUREMENTS & ELEVATIONS  
 ARE ACTUAL & CORRECT FOR  
 THIS PROPERTY

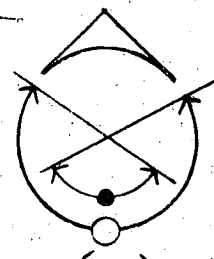
Howard H. Thompson - Pres.  
 HOWARD THOMPSON, BUILDER

10/24/86  
 elevations ok  
 S. Abel

4'-9"  
 0404/BR BLDG. PERMIT SIGNED  
 AND RETURNED 10/24/86  
 S. Abel  
 BP # 8498

PROPOSED RESIDENCE FOR  
 KATHY & RUSTY COOLIDGE

HOWARD THOMPSON BUILDERS  
 6275 FIRETHORN LANE  
 CLARKSVILLE, MARYLAND 21029 (301) 531-2299



**SITE PLAN**

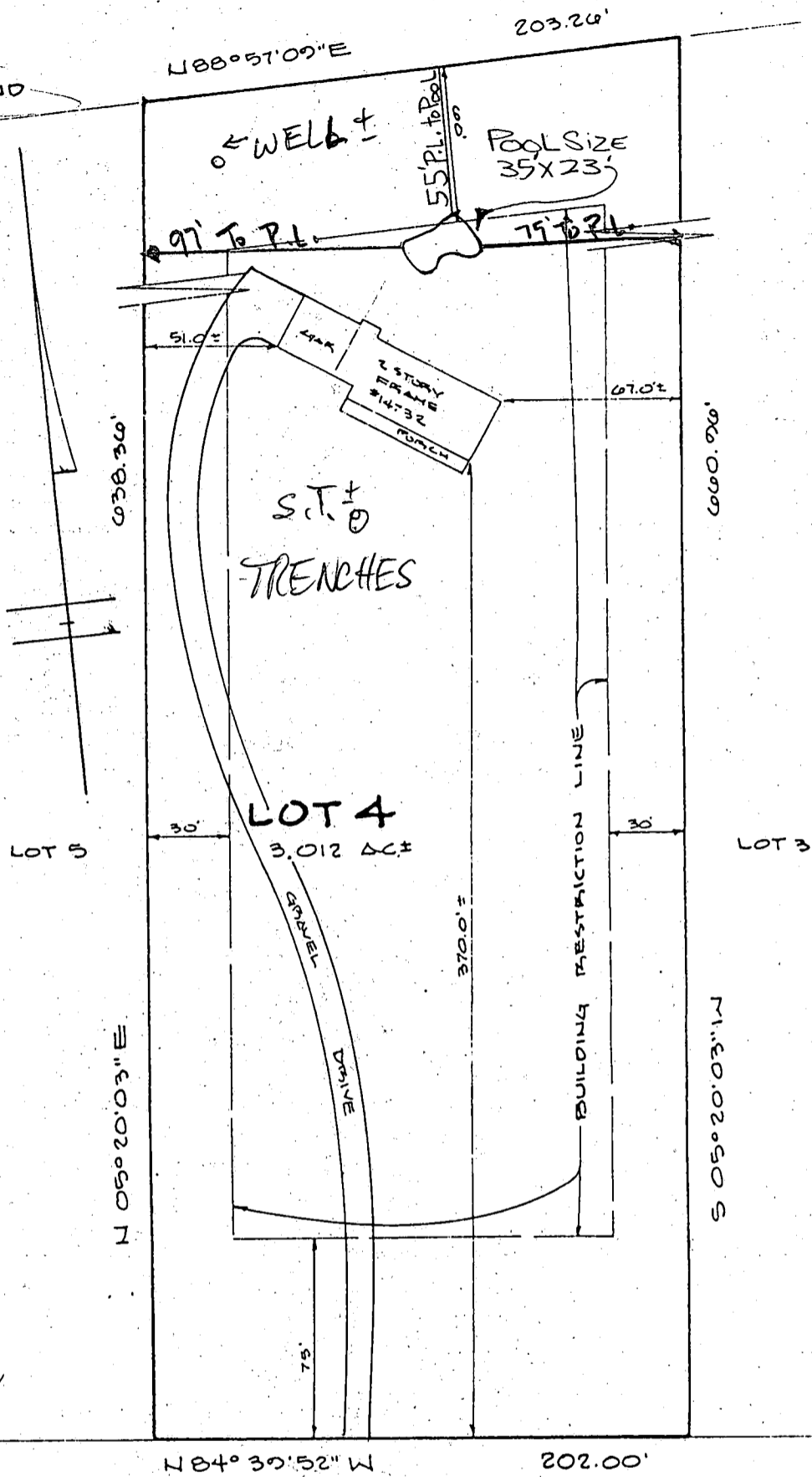
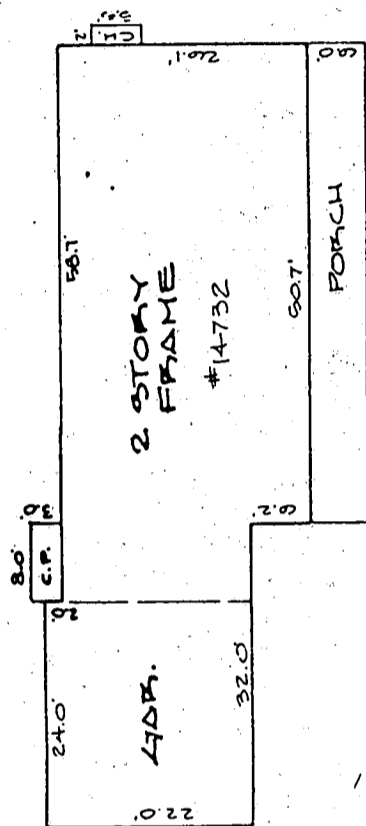
1" = 60' 10-3-86

Property known as:

THIS PLAT CAN NOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.

LOT 4  
14732 BETULA WAY  
KALMIA FARMS  
SECTION 2  
PLAT NO. 5083  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE: 1" = 20'



*Walter Park*

BETULA WAY  
50' R/W

LOCATION SURVEY PLAT

<p><b>CERTIFICATION</b></p>	<p><b>SEAL</b></p>	<p><b>SCALE</b> 1" = 60'    <b>DATE</b> 7/7/87</p>
<p>This is to certify that I have surveyed the property known as: <u>LOT 4</u> <u>14732 BETULA WAY</u></p> <p>for the purpose of locating the improvements thereon, and the improvements are located as shown.</p>	<p><i>Walter Park</i></p>	<p>PHONE 828-9060 TOWSON 730-9060 COLUMBIA</p> <p>M and H DEVELOPMENT ENGINEERS FORMERLY HUDKINS ASSOCIATES, INC. Surveyors and Subdivision Designers</p> <p>SUITE 231, JOSEPH SQUARE 5485 HARRERS FARM ROAD WALTER PARK, L.S. COLUMBIA, MARYLAND 21044</p>

