

8/17/87  
AM

8/18/87 pm

Need WPI permit 8-18-87 ✓

05-391901

# PERMIT

P 39869  
A 27481

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 5th

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

INDEXED

DATE 8/14/87

DATE SYSTEM APPROVED 8-18-87

{ I.C.O.P. issued only }  
{ Time expired }

INSPECTOR JEN

T & M Barnard P & H

Timothy Barnard

IS PERMITTED TO INSTALL  ALTER

ADDRESS Elkridge, MD PHONE 461-9971 / 461-6599

SUBDIVISION Kalmia Farms ROAD 14721 Betula Way LOT 14

PROPERTY OWNER Christopher Long

ADDRESS \_\_\_\_\_

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

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

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

170  
5(680)  
136  
136  
410

TRENCHES - 170 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 175 from the front (210') lot line and 110 feet from the left (625') lot line as seen when facing the lot from Betula Way. Run trenches on contour toward left and right 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/SA

PLANS APPROVED BY S. Abel DATE 2/11/87

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 SPECIFIED)

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.

**BUILDING PERMIT SIGNED AND RETURNED**

1075-03 B00144577-IG POOL  
8201 B00149631-GAZERO

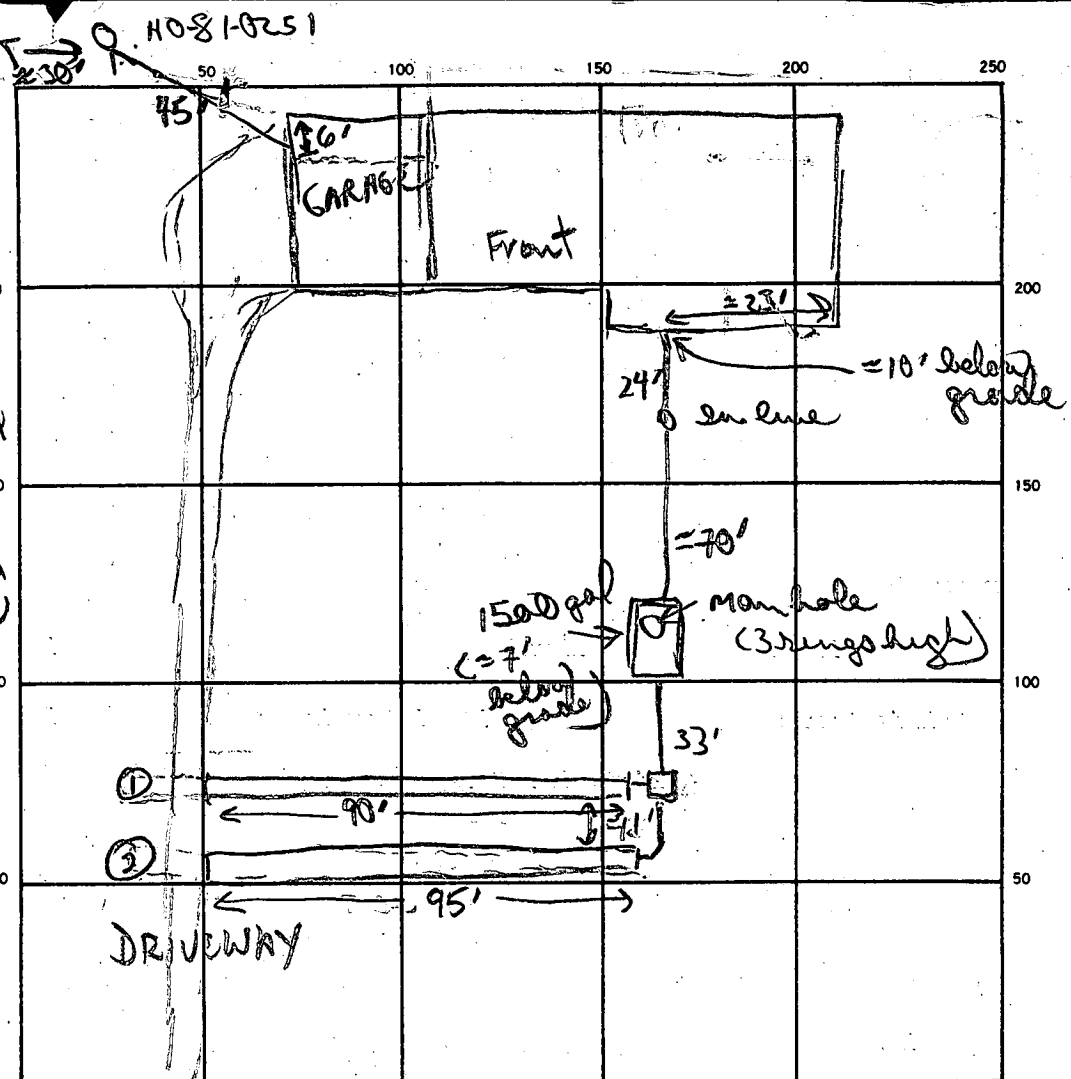
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

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

EH - 2-1186

27481

WPI  
 8-18-87  
 Address at  
 43 inches.  
 465-6599  
 No permit  
 Timothy Barnard  
 Plastic casing  
 no ground  
 Line connected  
 at house. JEN



TO VIBURNUM DR INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. BETULA WAY

SEPTIC TANK, LEVEL 1500 gal CLEANOUTS 1 in line

DISTRIBUTION BOX, LEVEL ✓

DRAIN FIELD/TILE FIELD, DEPTH 9.5' FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 5.5' FT. TOTAL LENGTH 90 + 90 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 495 SQ. FT.

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

ABSORBENT AREA 900 SQ. FT.

REMARKS: OK to go 9.5' b trench #1 OR to add stone pipe paper to trench #1. OK to finish dig trench #2 + partial add stone to trench #2. 8-18-87 OK to cover all work. JEN.

DATE SYSTEM APPROVED 8-18-87 INSPECTOR Jane E. Nadeau

# APPLICATION

A 27481

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 \_\_\_\_\_

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 Christopher Long  
~~Kenneth Hall, Esq., La Kalman Farms Nursery~~

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

PROPERTY LOCATION:

SUBDIVISION KALMIA FARMS - SECTION 2 LOT NO. Final # 14

ROAD AND DESCRIPTION Triadelphia Mill Road  
14721 Beruca Way work # 688-7471

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 Hodges FOR Ditches DATE 7/7/83

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

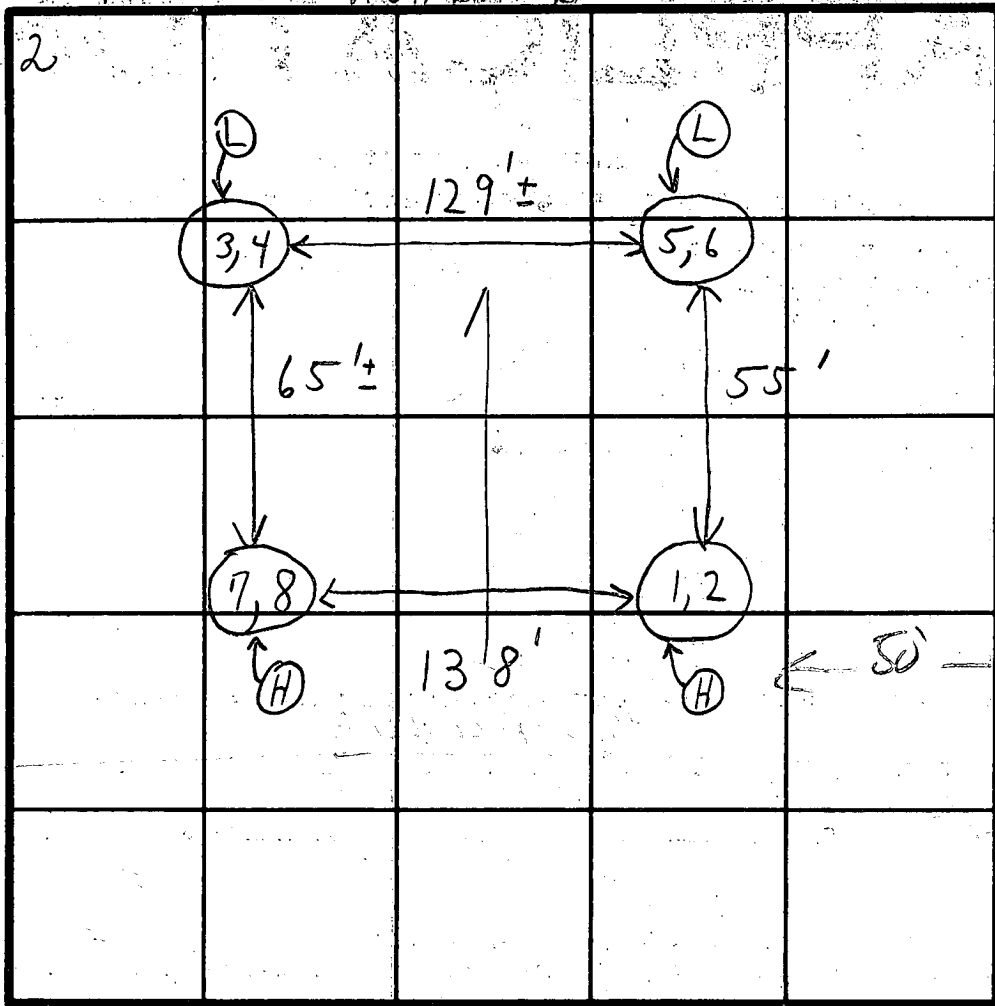
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 3/21/80 Reaccomplished @ office  
C.B.C.

# THIS IS NOT A PERMIT

ROAD <sup>Betula way</sup> D

#14 SEC. 2



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'	1:06	1:08	1:08	1:14	6 min
	(H) 2	13'	1:06	1:09	1:09	1:15	6 min
	3	3 1/2'	12:48	12:50	12:50	12:53	3 min
	4 (L)	12'	12:49	12:52	12:52	1:02	10 min
	5 (L)	4 1/2'	1:05	1:11	<sup>out</sup> 1:11	1:16	5 min
	6 (L)	11 1/2'	12:57	1:03	1:03	1:11	8 min
	7 (H)	4'	1:17	1:20	1:20	1:28	8 min
	{Hard pan in bottom} 8	10'-10 1/2'	1:50	1:55	<sup>out</sup> 1:55	2:00	5
						8	51

Outlet  
4'

{Hard pan in bottom}

7 min.  
avg

REMARKS Tests per stakes.

TYPE OF SOIL

TESTED BY C. B. ✓

ALSO PRESENT

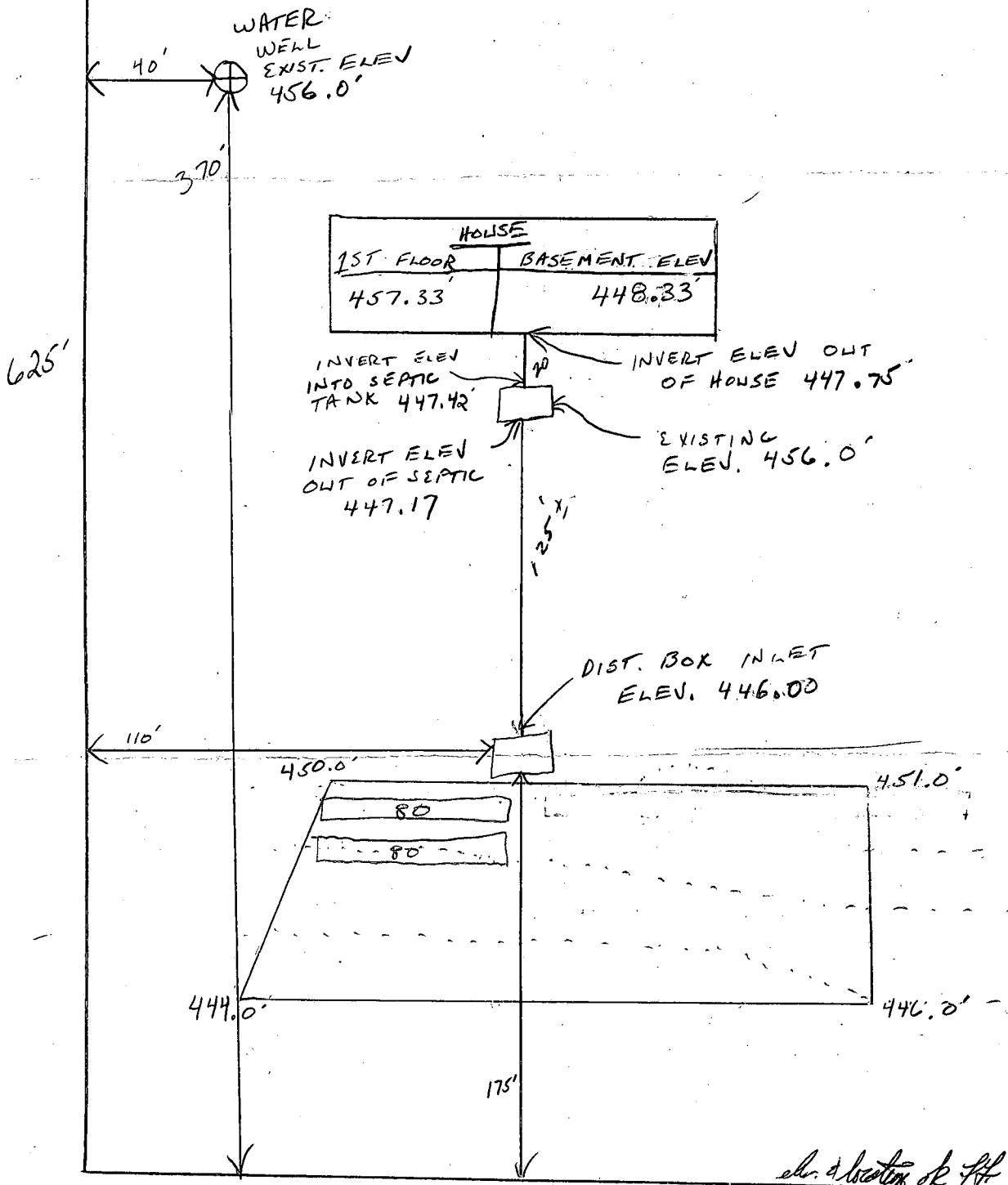
NOT TO SCALE

10004

A # 27481

210'

LOT 14  
KALMIA FARMS Sec. 2



I CERTIFY THE ABOVE MEASUREMENTS AND ELEVATIONS ARE ACTUAL AND CORRECT FOR THIS PROPERTY.

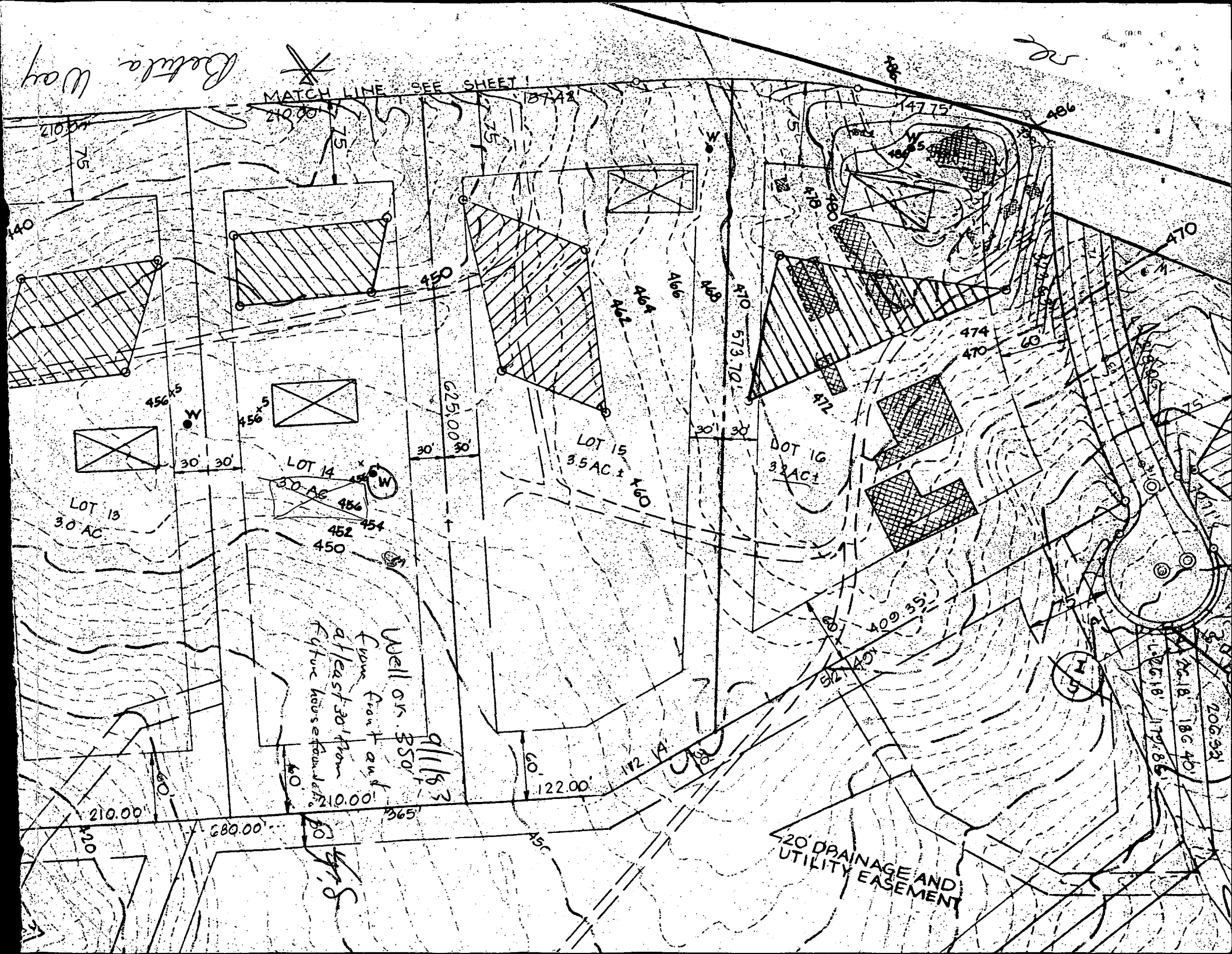
SIGNED: *Christopher Long*

BETHLA WAY

*Christopher Long*

*Betula Way*

MATCH LINE SEE SHEET 1



LOT 13  
3.0 AC

LOT 14  
3.0 AC

LOT 15  
3.5 AC

DOT 16  
3.2 AC

Well on 350'  
from front and  
at least 30' from  
future house foundation

20' DRAINAGE AND  
UTILITY EASEMENT

75

30' 30'

30'

30' 30'

210.00'

680.00'

122.00'

573.70'

47.75'

486'

470'

474'

60'

472'

475'

409.35'

186.40'

179.85'

206.52'

137.42'

625.00'

490'

494'

496'

456x5

456x5

456

450

452

454

112.14'

450'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

115'

MO

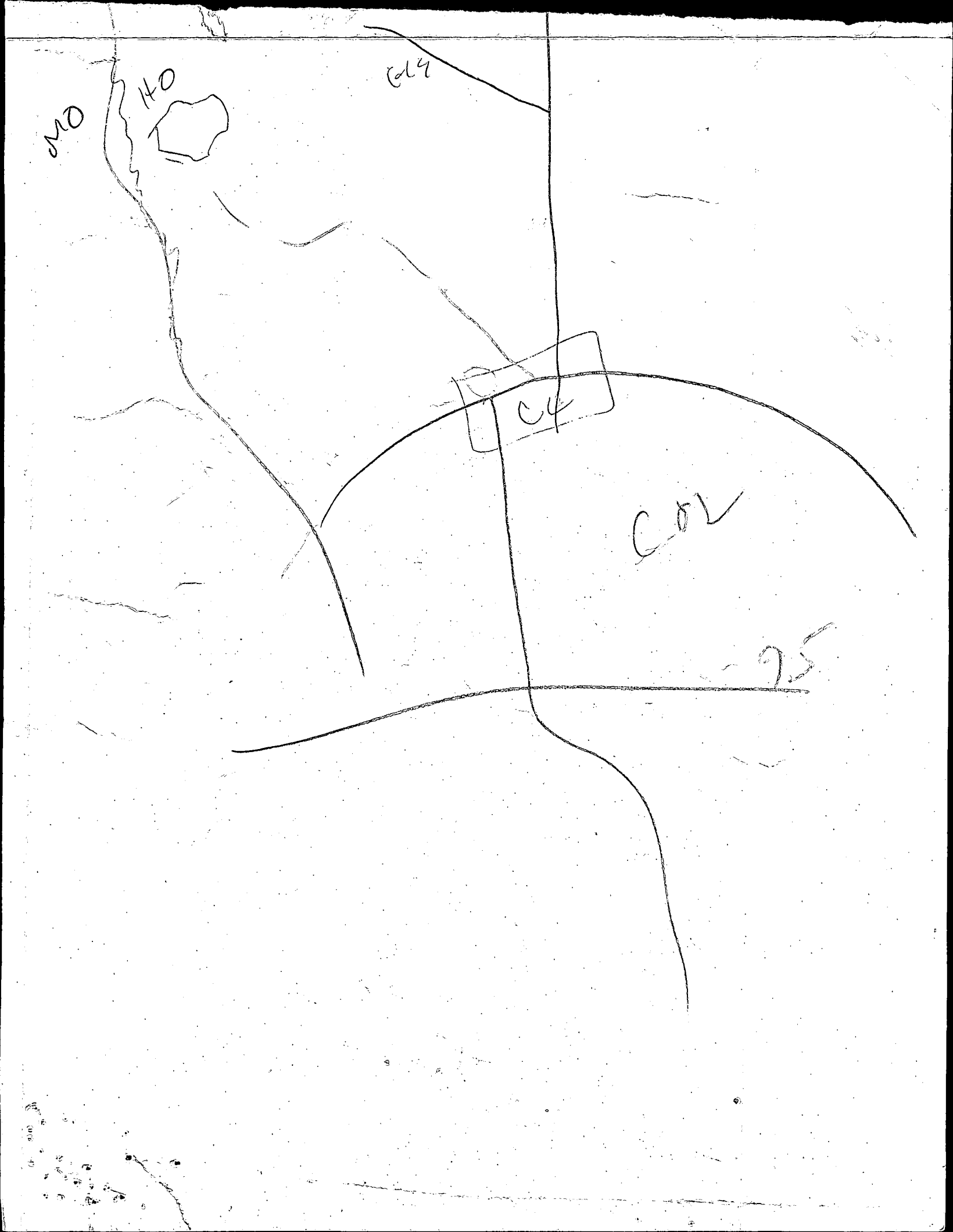
HO

cd4

cd4

col

9.5



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

8/18/87  
OK to cover  
outside  
line

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # 39931  
Date 8/20/87

Name of Installer T.M. BARNARD P.L.B. & M.G.

Telephone 461-6599

License Number #7248

Certified Well Pump Installer  Well Driller  Registered Plumber

Name of Property Owner CHRIS LONG

Telephone 381-8593

Subdivision RALPH FARMS Lot # 14 Well Tag #       

Site Address 14721 BETULA WAY

Pump

- Type
  - Deep well jet
  - Shallow well jet
  - Submersible
- Make Hydro Flo
- Model # 10HSP073Q
- Capacity 10 GPM
- Pump exceeds well capacity Yes  No
- If Yes, is low pressure cutoff switch installed? Yes  No
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors  Cable guards  Other

Motor

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

Pitless Adapter

- Make Harwood
- Model # PT800
- Depth 243"

NO GROUND WIRE

Tank

- Capacity 17 gal
- Pressure relief valve? yes

Piping

- Type Blk
- Size 1"
- NSF and/or BOCA Code approved yes
- Depth of supply line 180'

Well data

- Depth 180 ft.
- Yield 10 GPM
- Static water level 90 ft.
- 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: Timothy M. Barnard

Date: 8/20/87

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

C1 **4435** 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 27481**

DATE Received        
 DATE WELL COMPLETED **09/13/83**

Depth of Well **180** FEET (TO NEAREST FOOT)  
 PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-81-0251**

OWNER **Long** last name **Betula Way** first name  
 STREET OR RFD **Wetzel** TOWN **Dayton**  
 SUBDIVISION **Kelma Farms** SECTION **2** LOT **14**

**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	
<b>BROWN Shale</b>	<b>0</b>	<b>15</b>	
<b>SAND</b>	<b>15</b>	<b>47</b>	
<b>Gray Micaceous Rock</b>	<b>47</b>	<b>180</b>	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED  YES  NO  
 (Circle Appropriate Box)  
 TYPE OF GROUTING MATERIAL  
 CEMENT  CM BENTONITE CLAY  BC  
 NO. OF BAGS **10** NO. OF POUNDS **940**  
 GALLONS OF WATER **60**  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from  ft. to  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  PL Nominal diameter (nearest inch)  Total depth of main casing (nearest foot)   
 PL

**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 **180** **50** **180**  
 1 8 9 11 15 17 21  
 2 23 24 26 30 32 36  
 3 38 39 41 45 47 51

CIRCLE APPROPRIATE LETTER WHEN THIS WELL WAS COMPLETED  
**A** A WELL WAS ABANDONED AND SEALED  
**E** ELECTRIC LOG OBTAINED  
**P** TEST WELL CONVERTED TO PRODUCTION WELL

SLOT SIZE 1  2  3   
 DIAMETER OF SCREEN  (NEAREST INCH)  
 56 60

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  IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

DRILLERS IDENT. NO. **238**  
 DRILLERS SIGNATURE **Wesley E. Thorne**  
 (MUST MATCH SIGNATURE ON APPLICATION)

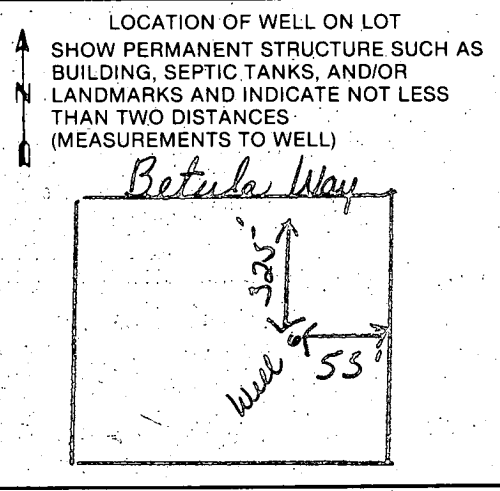
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
 T  (E.R.O.S.) WQ   
 70 72 74 75 76

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) **3**  
 PUMPING RATE (gal. per min. to nearest gal.) **10**  
 METHOD USED TO MEASURE PUMPING RATE **Bucket**  
 WATER LEVEL (distance from land surface) BEFORE PUMPING **18** WHEN PUMPING **7.3**  
 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)  above  below LAND SURFACE  (nearest foot)







B 1 6961

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

HO-81-0251

fill in this form completely

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

Date Received 1:30 PM 9/13/83

082483

OWNER INFORMATION

LONG CHRIS

910 ELMHURST ROAD

SEVERN MD 21144

B 3

LOCATION OF WELL

HOWARD

KALMIA FARMS

SECTION 2

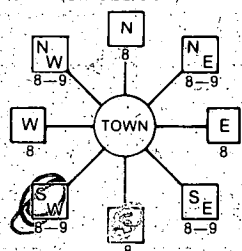
LOT 14

DAYTON

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

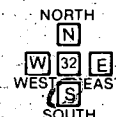
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Betula Way NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 550 FT

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)

- 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

HOWARD

A27481

COUNTY NAME COUNTY NO. OEP SIGNATURE STATE HEALTH INSERT S

DATE ISSUED 090183 Frank Skinner 3/1/84

NORTH GRID 506000 EAST GRID 0792000

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)

- 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

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

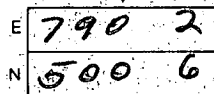
FORCE FS WRITE INITIALS IN BOX PERMIT NO. HO-81-0251

SPECIAL CONDITIONS

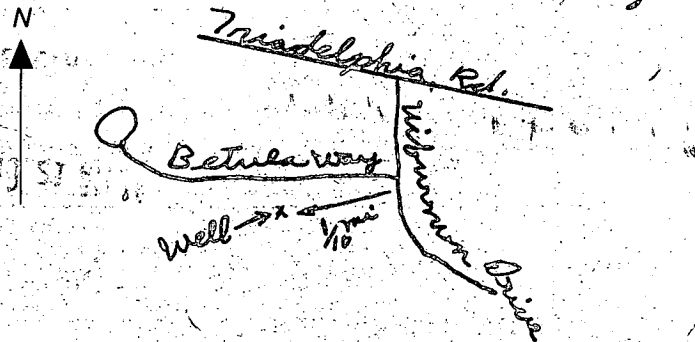
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. WELL

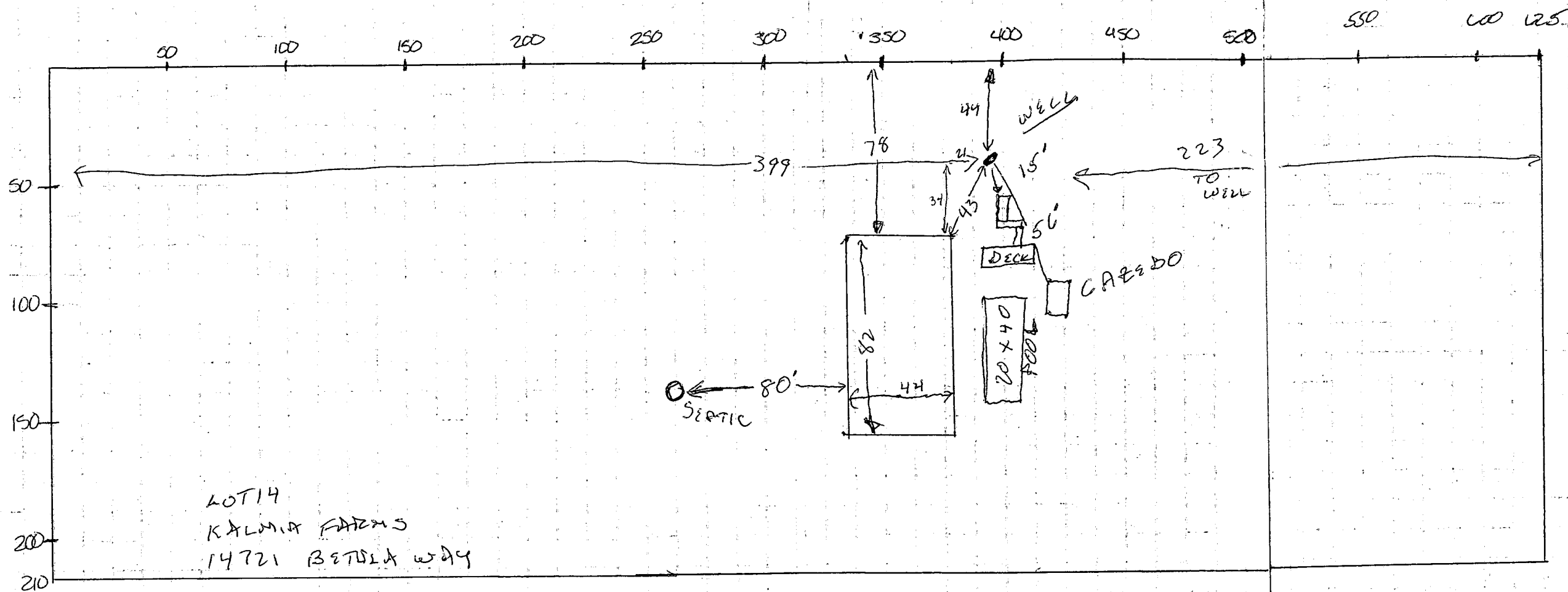
WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION







APPROVED  
 WALK-THRU BUILDING PERMIT  
 BP# B00149654 A# 59364  
 APP. SAN S DATE: 8/2/04  
 DESC. OF WORK: deck

1:50