



8/19/87  
AM

# PERMIT

P 39865  
A 33706

## SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 4th

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

two ft 04-343697  
**INDEXED**

DATE 8/14/87

DATE SYSTEM APPROVED 8-19-87

INSPECTOR JEN

Arnold Backhoe & Septic Services, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS P. O. Box 15, Woodbine, Maryland 21797 PHONE 795-7873

SUBDIVISION Pond Property ROAD 4370 Old Roxbury Road LOT 3

PROPERTY OWNER William Demarco

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 1

3 CW 8-17-87  
3 187  
252 ft trench  
187 ft  
3 174.8  
249

TRENCHES - 187 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 5 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Beginning from the left rear lot corner, place the distribution box 135 feet down the left (565.43') lot line and 120 feet off the left line as seen when facing property from Old Roxbury Road. Run trenches along contour towards the left (565.43') and right (481.00') 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/w

**OLD PERMIT SIGNED**

PLANS APPROVED BY Bert Nixon AND RETURNED 5/17/2000 DATE 5/27/87  
B00124239

COVER NO WORK UNTIL INSPECTED AND APPROVED.

INGROUND POOL

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(IES).

B00125346  
LP TANK 7/14/00

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.

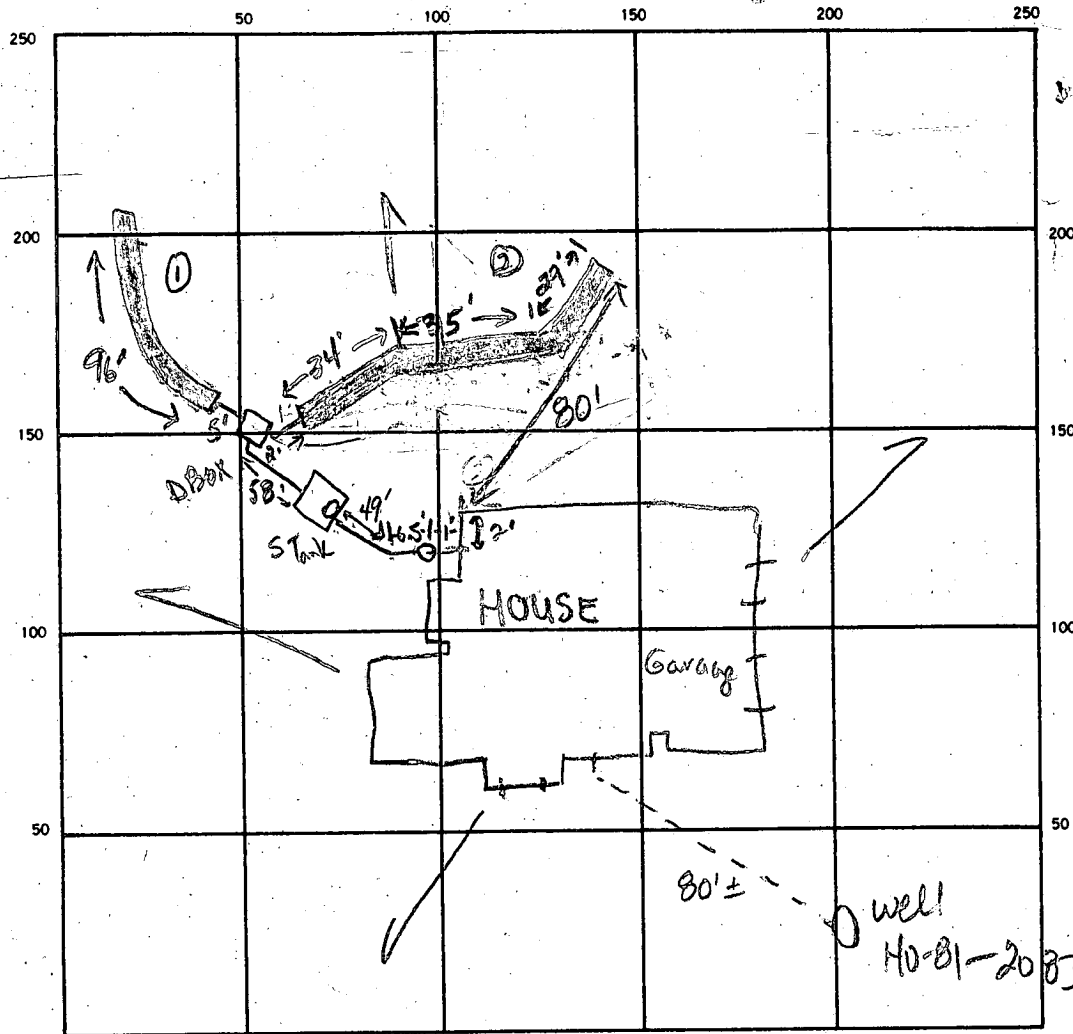
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

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

EH - 2-1186

A  
33706

NOT TO SCALE



2.3  
137  
66  
79  
  
2  
187  
3  
561

INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK LEVEL OK 1,000 gal CLEANOUTS 1 in line from house, 1 in septic tank

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD TILE FIELD DEPTH 55 <sup>①</sup> 55 <sup>②</sup> FT. TRENCH WIDTH 3 FT. INLET DEPTH 3.5 <sup>①</sup> 3 <sup>②</sup> FT. 194

EFFECTIVE GRAVEL DEPTH 2 <sup>①</sup> 2.5 <sup>②</sup> FT. TOTAL LENGTH 96 <sup>①</sup> 98 <sup>②</sup> FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL / BOTTOM AREA 288 <sup>①</sup> 294 <sup>②</sup> SQ. FT.

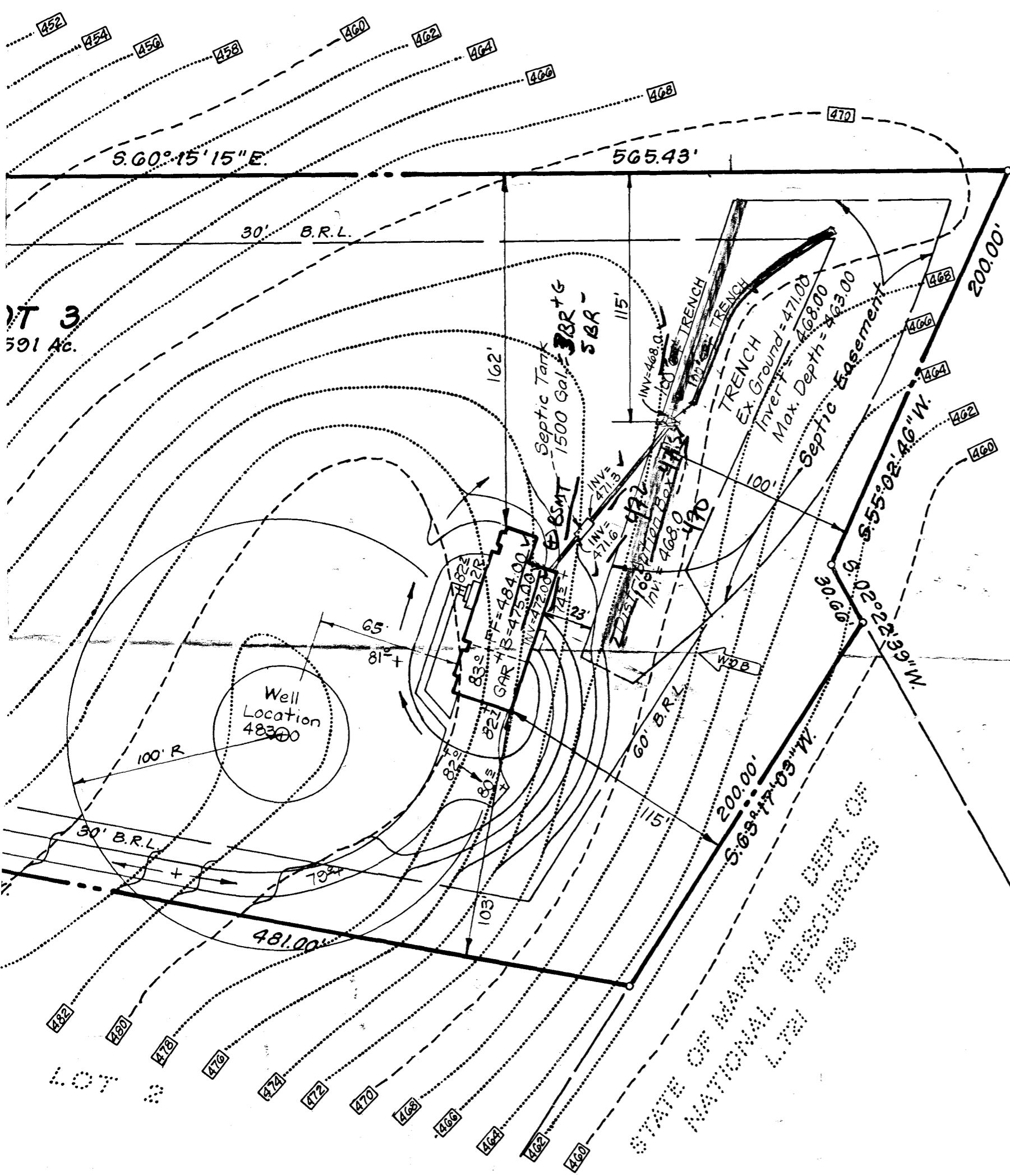
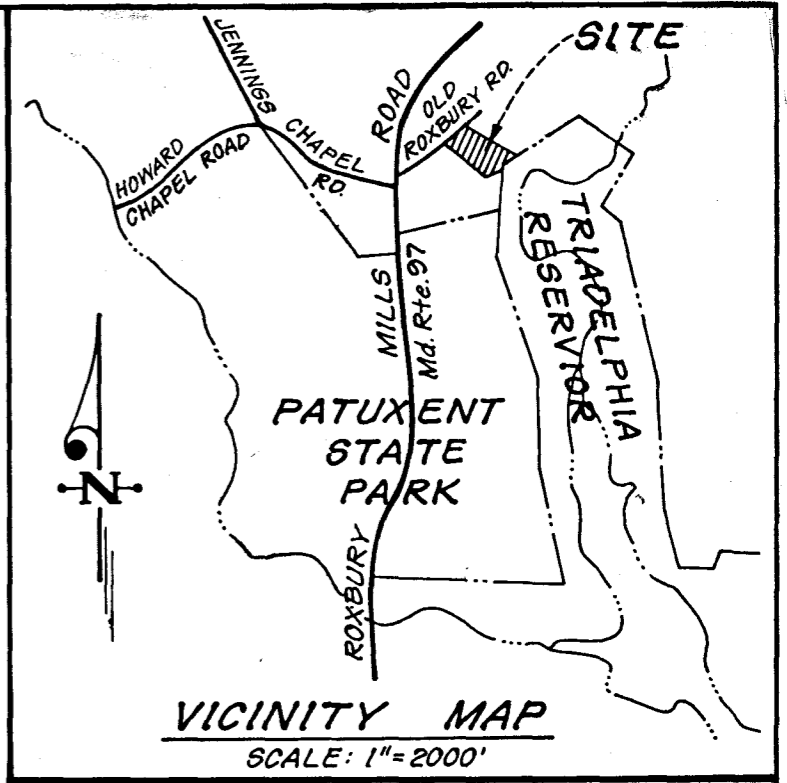
DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 582 SQ. FT.

REMARKS 8-17-87 12:15am - No show JEN. 8-19-87 OK to add all stone pipe & paper to trenches, OK to cover all work. JEN

DATE SYSTEM APPROVED 8-19-87 INSPECTOR James E. Madigan

BUICE PROPERTY  
FLAT NO 5426



W.S.S.C.

**LEGEND**

- Contour Interval 2 Ft.
- Existing Contour  470
- Proposed Contour  470
- Spot Elevation +71.2
- Direction of Drainage
- Walk-Out Basement  WOB

*4/12/87  
Comments re  
Trenches shown by  
SA (3000') adequate for  
3BR + 6MB. Disp. a  
4BR w/o*

BLDG. PERMIT SIGNED  
AND RETURNED 6/12/87  
15P12586

<b>CLARK • FINEFROCK &amp; SACKETT, INC.</b>		
ENGINEERS • PLANNERS • SURVEYORS		
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7200 - BALTO • (301) 621-8100 - WASH.		
DESIGNED JME	<b>SITE DEVELOPMENT PLAN LOT 3</b>	SCALE 1" = 50'
DRAWN LAI	<b>POND PROPERTY</b>	DRAWING 1 of 1
CHECKED JME	TAX MAP #21      PARCEL #22 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 87-060
DATE May, 1987	FOR: WILLIAM DEMARCO 14311 Vivaldi Court Burtonsville, MD 20866	FILE NO. 87-060X

*Per*

# APPLICATION

A 33706

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DISTRICT FOURTH

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

DATE 3-20-84

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 DOROTHY S. POND  
ADDRESS 14903 BIGBY CT, SILVER SPRING, MD 20906 PHONE 598-4321

PROPERTY LOCATION:

SUBDIVISION POND SUBDIVISION LOT NO. 3  
ROAD AND DESCRIPTION OLD ROXBURY RD. OFF RT. 97 (NEAR JUNCTION OF RT. 97 AND JENNINGS CHAPEL RD.)  
SIZE OF LOT 4.25 ACRES +/- TYPE BLDG. 3 OR 4 BEDROOMS  
(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.

*Dorothy S. Pond*  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

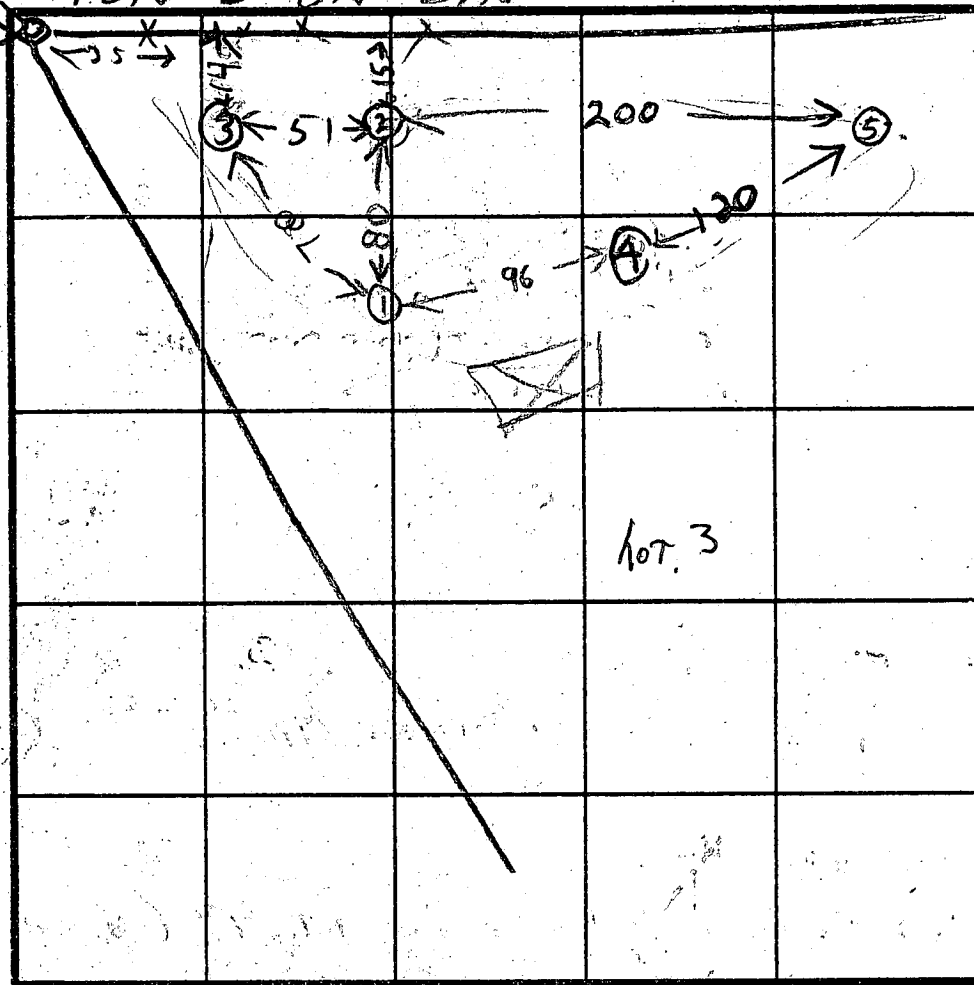
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

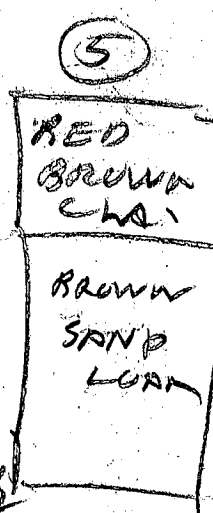
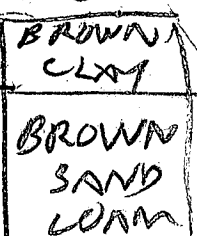
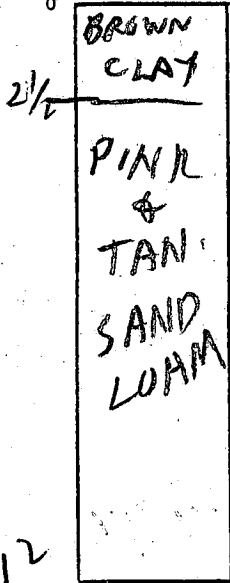
# THIS IS NOT A PERMIT

STAKE

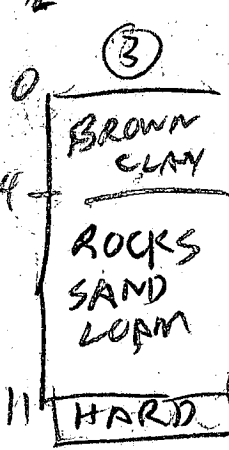
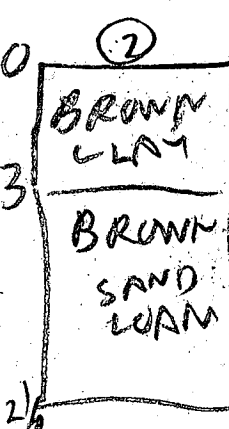
FENCE ON LINE BACK



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/25/04	1S	4	143	145	145	148	3
	1D	7	144	147	147	154	7
4/25/04	1V	12	LOOKS		OK		
	2S	4 1/2	151	153	153	157	4
	2D	8	150	154	154	206	12
	2V	12 1/2	LOOKS		OK		
	3V	11	LOOKS		OK		
	4S	3	159	202	202	205	3
	4D	13	LOOKS		OK		
	5V	12	LOOKS		OK		

HOLE ELEV  
 ④ = HIGH  
 ⑤ = MEDIUM  
 ② = LOW

REMARKS PERC OK HOLD FOR PLAS

TYPE OF SOIL

TESTED BY R HODGES

ALSO PRESENT FYOCK CO MR POMP

SKIPPED HODGES

B 7 8264 SEQUENCE NO. (OEP USE ONLY)  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

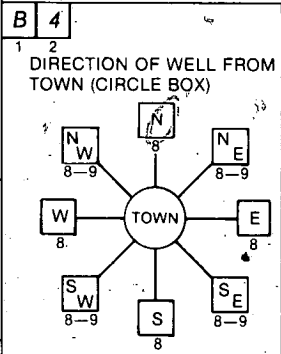
STATE OF MARYLAND PERMIT TO DRILL WELL  
please print or type

OEP PERMIT NUMBER  
40-81-2083  
fill in this form completely

Date Received  
OWNER INFORMATION  
DANARCO WILLIAM  
11311 VIVIANI CT.  
PUNTONSVILLE MD 20866

B 3 LOCATION OF WELL  
HOWARD  
POND PROP.  
SECTION 44 46 LOT 3 48 50  
SUNSHINE  
MILES FROM TOWN (enter 0 if in town) 2 3/4 MI

DRILLER INFORMATION  
Driller's Name: [Signature]  
Firm Name: WELLS DRILLING  
Address: 5512 Ridge Rd. Mt. Airy Md. 21771  
Signature: [Signature] Date: 4/30/87



B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
NEAR WHAT ROAD: Md. 97 (OLD ROXBURY) ROAD  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): WEST  
DISTANCE FROM ROAD: 300 FT  
ENTER FT or MI: FF

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  
COUNTY NAME: HOWARD COUNTY NO. A 33706  
OEP SIGNATURE: [Signature] STATE HEALTH INSERT S  
DATE ISSUED: 05 12 87 CO-SIGNATURE: [Signature] EXP. DATE: 11/12/87  
NORTH GRID: 516 0 0 0 EAST GRID: 0 7 8 5 0 0 0

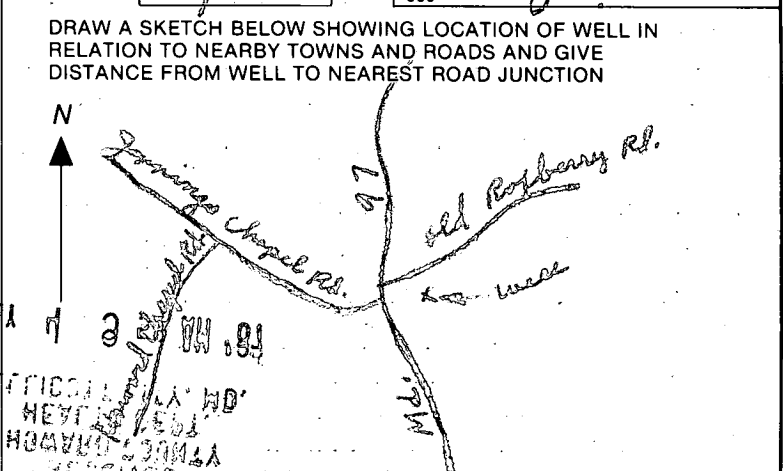
USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)  
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND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

APPROXIMATE DEPTH OF WELL: 300 FEET

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 78d 5  
N 51d 6  
Location of well:  
44' casing well  
1' casing  
40' open  
12 bags cement  
5/27/87

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 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: [Signature] PERMIT No.: 40-81-2083

SPECIAL CONDITIONS

HEALTH

C1 0389 SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER A 33706

DATE RECEIVED

DATE WELL COMPLETED 052787

DEPTH OF WELL 165 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-2083

OWNER DEMARCO WILLIAM STREET OR RFD 17 OLD ROXBURY ROAD TOWN SUNSHINE SUBDIVISION POND PROPERTY SECTION LOT 3

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes handwritten entries: Brown Shale, Grny Mich Rock, 0-38, 38-165.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 12, NO. OF POUNDS 1128, GALLONS OF WATER 12, DEPTH OF GROUT SEAL 0-40 ft.

CASING RECORD: casing types insert appropriate code below. Codes: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER).

MAIN CASING TYPE ST, Nominal diameter 6, Total depth 44.

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

SCREEN RECORD: screen type or open hole insert appropriate code below. Codes: ST (STEEL), BR (BRASS), PL (PLASTIC), HO (OPEN HOLE), OT (OTHER).

DEPTH (nearest ft.) Holes: H0, 43, 165.

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 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 238

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

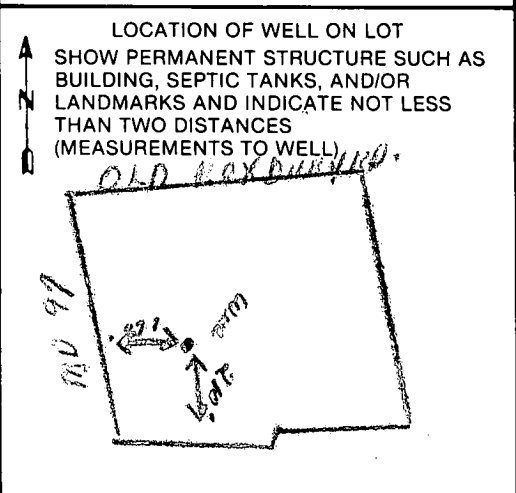
SLOT SIZE 1 2 3. DIAMETER OF SCREEN (NEAREST INCH) 56-60.

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER). T (70), (E.R.O.S.) (72), WQ (74, 75, 76), TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 9 gal. per min., METHOD USED TO MEASURE PUMPING RATE bucket, WATER LEVEL 53, WHEN PUMPING 53, TYPE OF PUMP USED 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, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (circle appropriate box and enter casing height) above/below, LAND SURFACE (nearest foot).





**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 # 40549  
 Date 11/25/87

Name of Installer \_\_\_\_\_

Telephone \_\_\_\_\_

License Number \_\_\_\_\_

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

Name of Property Owner \_\_\_\_\_

Telephone \_\_\_\_\_

Subdivision POND PROPERTY Lot # 3 Well Tag # HD-81-2083

Site Address 4370 Old Roxbury Rd.

EBOS-18-014

Pump new

Motor 1/2 HP

Pitless Adapter

1. Type  
 a. Deep well jet \_\_\_\_\_  
 b. Shallow well jet \_\_\_\_\_  
 c. Submersible \_\_\_\_\_

1. Horsepower \_\_\_\_\_  
 2. RPM \_\_\_\_\_  
 3. Voltage 240  
 a. 110 \_\_\_\_\_  
 b. 220 \_\_\_\_\_

1. Make \_\_\_\_\_  
 2. Model # \_\_\_\_\_  
 3. Depth 610

2. Make \_\_\_\_\_

3. Model # \_\_\_\_\_

4. Capacity \_\_\_\_\_ GPM

5. Pump exceeds well capacity Yes

6. If Yes, is low pressure cutoff switch installed? Yes

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

Tank

1. Capacity \_\_\_\_\_  
 2. Pressure relief valve? \_\_\_\_\_

Piping

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

Well data

1. Depth \_\_\_\_\_ ft.  
 2. Yield \_\_\_\_\_ GPM  
 3. Static water level \_\_\_\_\_ ft.  
 4. Will water supply be disinfected by installer? \_\_\_\_\_

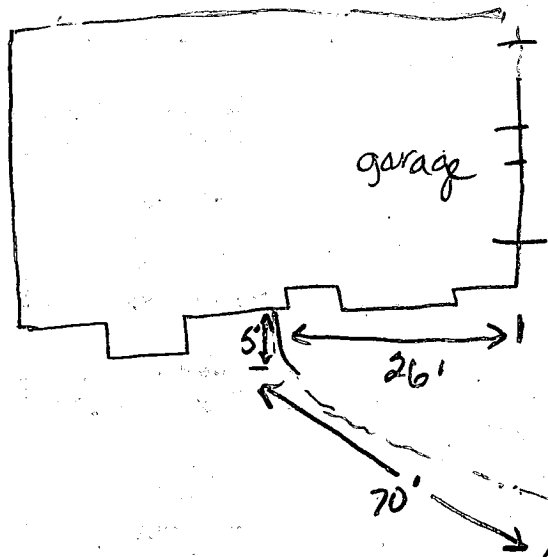
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

Signature of Applicant: \_\_\_\_\_

Date: \_\_\_\_\_

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



\$ 29  
 2.4  
 116  
 58  
 59

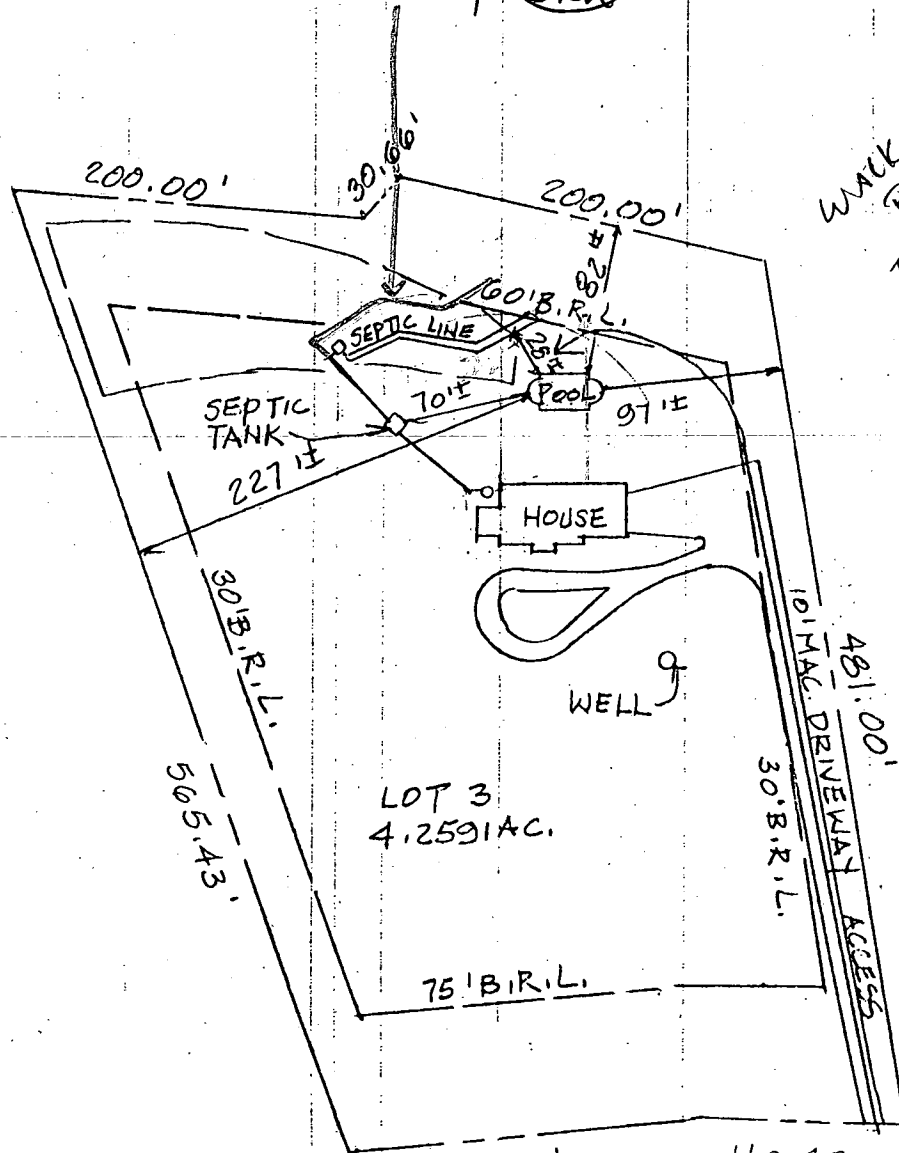
11  
 2.4  
 44  
 22  
 26

old Roxbury Rd

8-28-87 Pitless adaptor at 48 in. well line connected at house. Grounded to well. JE Nadeau.

6/7/2000- Actual  
 Location of septic  
 trench as scaled from  
 Septic installation diagram  
 and field insp. **SRW**

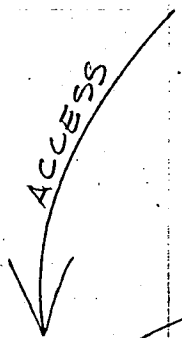
**NOTE**  
 HOURS OF GRADING ARE INCLUDED.  
 ANY ADDITIONAL HOURS ARE CHARGED DIRECT



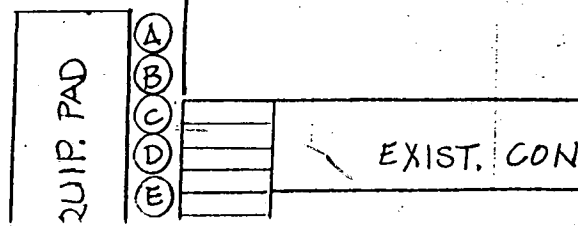
WACK THAT  
 PROVISIONAL ONLY OK  
 IDENTITY LOCATION  
 ACCURATE SEEMS  
 WHICH COULD BE PROBLEMATIC  
 FOR PROPOSED POOL LOCATION

TO CONTINUE WITH EXCAVATE  
 THIS LOCATION ± 15'  
 TO EXPOSE TRENCH  
 & THEN CONTACT HBA WITH POST  
 FOR PROCEEDING WITH POOL EXCAVATION  
 5/17/00  
 CW  
 (ON MOVE 15' BACK)

4370  
 OLD BOX BURY RD.



BRUSHED

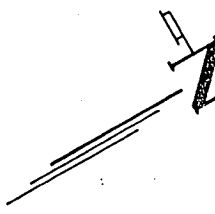


B.S. FRANKLIN  
L. 143 F. 233

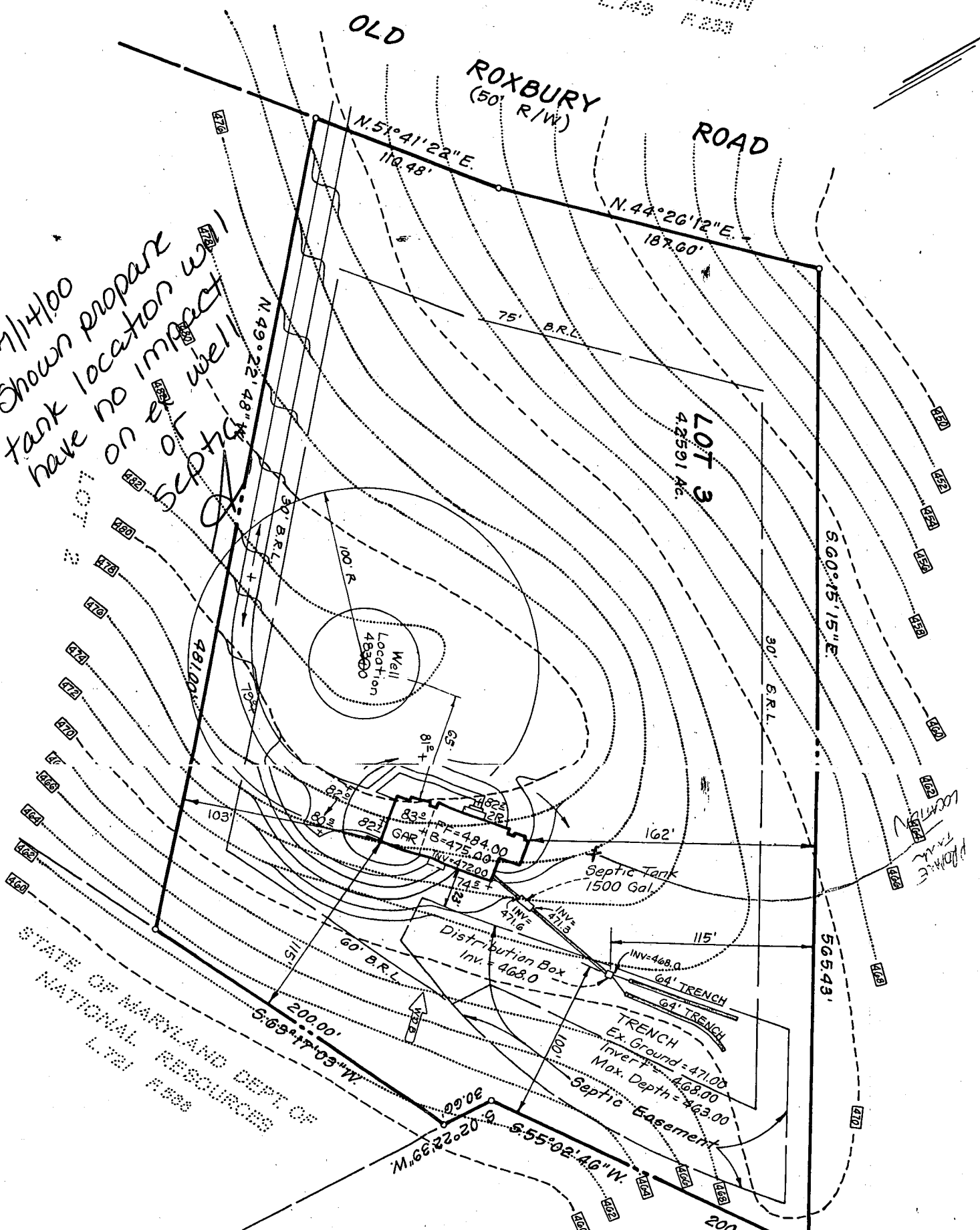
OLD

ROXBURY  
(50' R/W)

ROAD



7/14/00  
shown proper  
tank location will  
have no impact  
on septic well



LOT 3  
4.2591 Ac.

N. 51° 41' 22" E.  
110.48'

N. 44° 26' 12" E.  
187.60'

N. 49° 22' 48" W.  
481.00'

S. 60° 15' 15" E.  
560.45'

Well Location  
483.00'

Garage  
E = 484.00  
B = 475.00  
Inv = 472.00

Septic Tank  
1500 Gal.

Distribution Box  
Inv. = 468.0

64' TRENCH  
Inv = 468.0

TRENCH  
Ex. Ground = 471.00  
Inv. = 468.00  
Max. Depth = 463.00

Septic Easement

STATE OF MARYLAND DEPT. OF  
NATIONAL RESOURCES  
L. 721 F. 233

PLAT 5420

Handwritten notes and signatures in the bottom right corner.

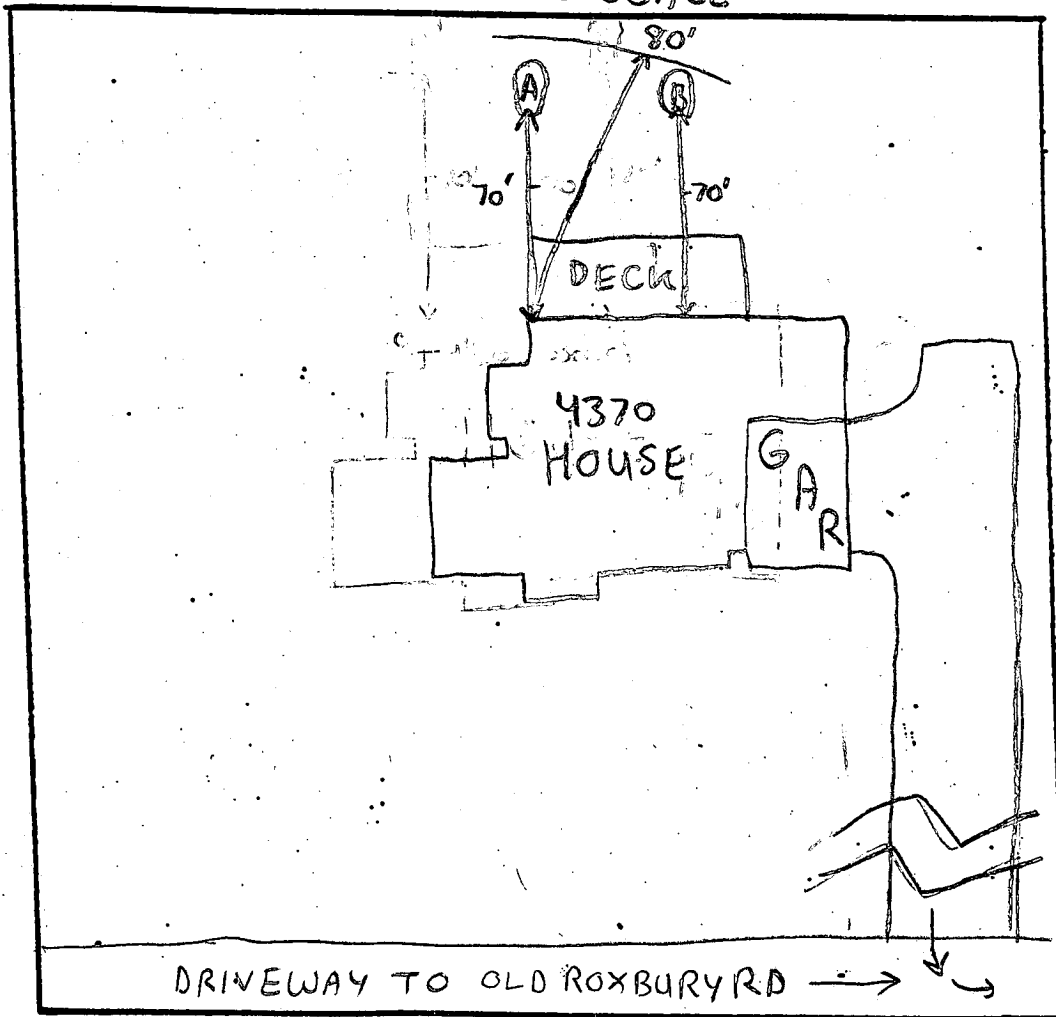
SITE INSPECTION SHEET

OWNER: Bill Demarco  
ADDRESS: 4370 Old Roxbury Rd  
Brookeville, MD 20833

DATE REQUESTED: 6/7/00  
DRILLER: N/A  
WELL TAG # \_\_\_\_\_  
COUNTY # Howard

PROPOSAL: \_\_\_\_\_

LOCATION DIAGRAM  
NOT TO SCALE



COMMENTS: Met with Kenny Hatfield (Contractor) Mr. Demarco and Pool  
representatives from Anthony Sylvan Pools (George Schweich). Field measured  
80' radius of f of house corner per Jane Nadeau and marked grass. Speculated  
on trench location using septic tank location & assumed DBox location and field

DATE: 6/7/00

INSPECTOR: Steven R. Krieg

→ contours. Excavated at locations (A) & (B). No signs of existing trench in suspected locations. Proposed approved BP pool location (by Craig Williams) was confirmed. Ok to construct pool in proposed location (20' setback maintained)

OK SRK 6/7/00

Actual Trench location believed to be further down hill.

Septic Installation diagram done by JEN not exactly accurate. Scaled trench location on Approved BP plan for pool confirm this.