

Well above grade  
2-4-91  
1:00am

# PERMIT

05-402158

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 46693

A 37469

DISTRICT 5th

DATE 12/14/90

DATE SYSTEM APPROVED 2-4-91

INSPECTOR JEN

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

Hal. C Marker Co  
776-8228

Hal C. Marker

IS PERMITTED TO INSTALL X ALTER

ADDRESS 10524 Hunters Way, Laurel, Maryland 20723 PHONE (301) 776-8228

SUBDIVISION Watsonette LOT Parcel 7 ROAD 11845<sup>54</sup> Linden Chapel Road

PROPERTY OWNER Ms. Joyce Kamelmeier

ADDRESS \_\_\_\_\_ Septic installer: Jimmy Boone-

1-304-258-2349

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

2210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 168

TRENCHES - 210 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 8.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 300 feet from the rear lot line and 10 feet from the right lot line as seen when facing the lot from Route 108. Run trenches on contour toward the left lot line

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

PLANS APPROVED BY Jane Nadeau cm DATE 8/7/90

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, 90° ELBOWS NOT ACCEPTABLE.

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 35/40 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 PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

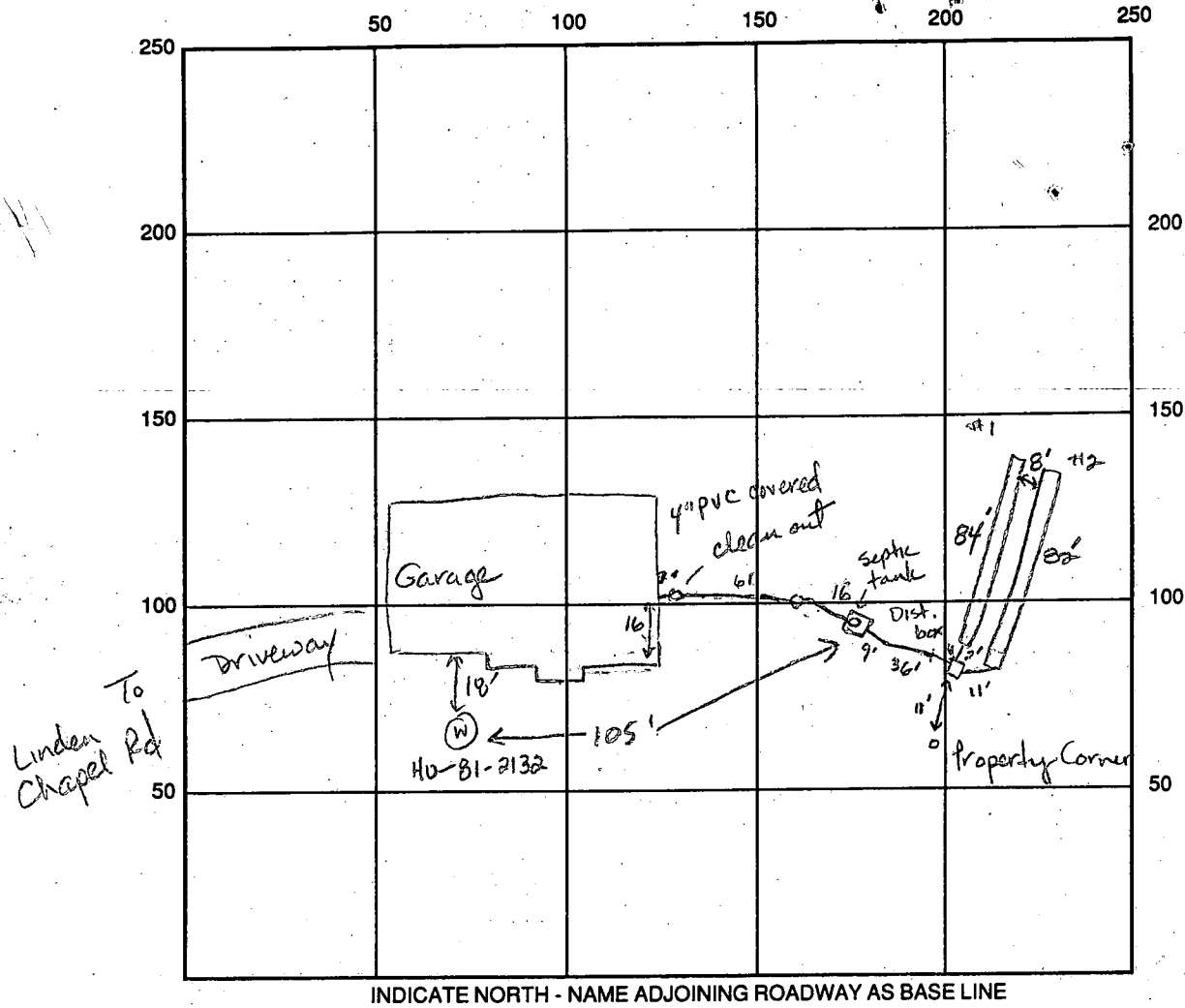
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

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

BLDG. PERMIT SIGNED  
AND RETURNED 4/8/92  
Serial # 43232 - dch

A 87469



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 and CLEANOUTS 1 in line 1 on septic tank

DISTRIBUTION BOX LEVEL OK w/ baffle

DRAIN FIELD/TITLE DEPTH 9.0 8.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 3 FT.

EFFECTIVE GRAVEL DEPTH 6 5.5 FT. TOTAL LENGTH 84 82 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 504 451 SQ. FT.

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA 955 SQ. FT.

REMARKS: 1-2-91 OK to stone trenches add pipe & paper. JEN  
1-8-91 OK to cover trenches. Install additional cleanout  
to sewer line from house to tank. JEN OK to cover all work 2-4-91  
JEN

DATE SYSTEM APPROVED 2-4-91 INSPECTOR Jane E. Madigan

12-20-90  
pm

Marker Builders  
776-8228

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

Joe Mayne ~~Eastern Day~~ drilled

New Installation yes  
Replacement \_\_\_\_\_

Receipt # 46726  
Date 12-27-90

Name of Installer J R Rager, Jr

Telephone (301) 251-0474

License Number 5280 264 1000 Jarrettsville Rd  
Rockville, MD 20851

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

Name of Property Owner Joyce Kamelmeier

Telephone \_\_\_\_\_

Subdivision Watsonette Lot # P.7 Well Tag # HD-81-2132

Site Address 11854 Linden Chapel Road

Pump

- Type
  - Deep well jet \_\_\_\_\_
  - Shallow well jet \_\_\_\_\_
  - Submersible
- Make MVEK
- Model # 1525
- Capacity 40 GPM
- Pump exceeds well capacity Yes  No \_\_\_\_\_
- If Yes, is low pressure cutoff switch installed? Yes  No no wiring
- 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 \_\_\_\_\_
- Model # \_\_\_\_\_
- Depth \_\_\_\_\_

Tank

- Capacity 40g
- Pressure relief valve?

Piping

- Type PVC
- Size 1 in
- NSF and/or BOCA Code approved
- Depth of supply line 2 1/2 FT

Well data

- Depth 300 ft.
- Yield 4 GPM
- Static water level 20 ft.
- Will water supply be disinfected by installer? NO

top end mesh to base of

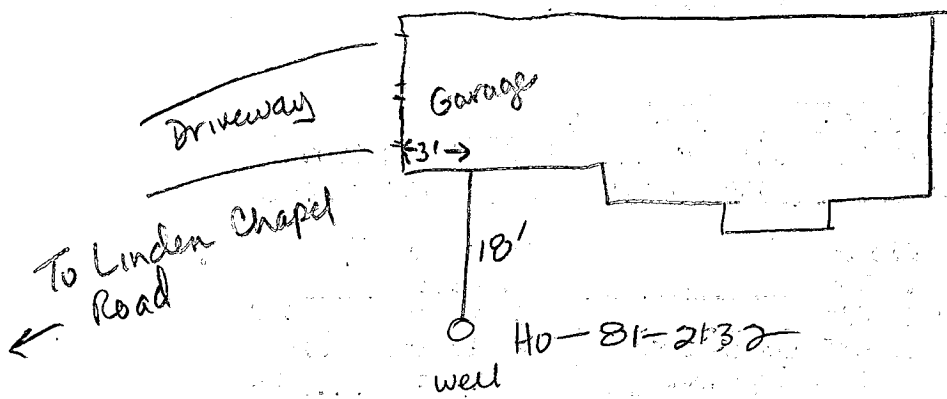
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

Signature of Applicant: J R Rager, Jr

Date: 12/20/90

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



12-20-90

Pitless adaptor is 32 inches below original grade. Fill around well is 24 inches above top of casing. Need to raise casing. House connection ok. Ground line not connected yet. ~~Wadeau~~

CONNECTED 1/2/91 JOE MAYNE

cu/su  
JEN

9/10/86  
1:30 PM

# APPLICATION

SEWAGE DISPOSAL TESTING

A 37469

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DISTRICT \_\_\_\_\_

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

DATE 8/7/86

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 JJM Partnership

ADDRESS 5570-201 Sterrett Pl. PHONE 740-4466

Columbia, Md. 21044

PROPERTY LOCATION: \_\_\_\_\_

SUBDIVISION \_\_\_\_\_ LOT NO. parcel 7

ROAD AND DESCRIPTION Adjacent to Chapel Woods Sec I, Lot 1; off of Rt 108,  
north of Linden Chapel Rd. ~~1740 Charlesville Pike~~

11854 Linden Chapel Road

SIZE OF LOT 3.49 acres TYPE BLDG. residential  
(NUMBER OF BEDROOMS)

Go back Unnamed Rd next to River

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

Linden Chapel Rd is a paper Rd

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. John Mikolasko  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 9/9/86 Perc OK Hold for Plat

BLDG. PERMIT SIGNED  
AND RETURNED 9/15/86  
Serial # 29141-SEP  
4 Bedroom # ✓ ok  
JEN 1-3-90

BLDG. PERMIT SIGNED  
AND RETURNED 7-10-87  
S. Hut  
BP13184

# THIS IS NOT A PERMIT

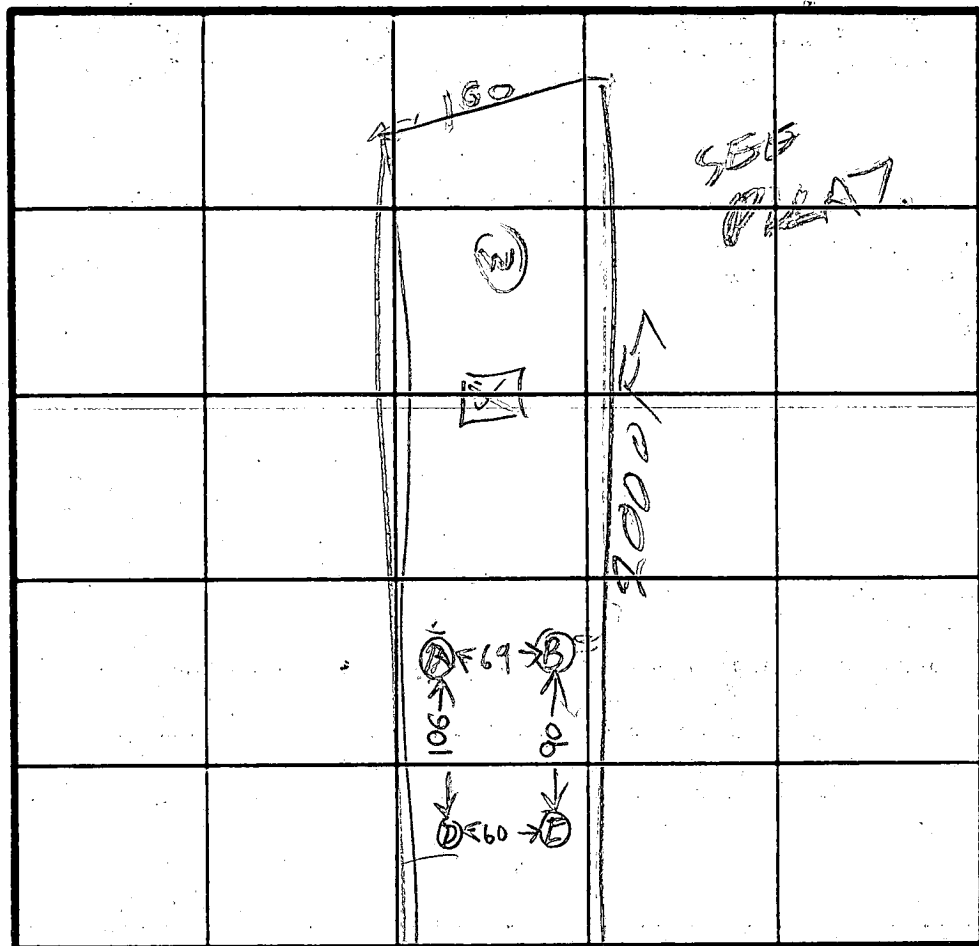
SOIL PROFILE

0  
 3  
 6  
 BROWN CLAY  
 BROWN SAND SILTY LOAM  
 WHITE & LIGHT BROWN SAND LOAM

13.5

(B) (D) (E)  
 CLAY  
 LIGHT BROWN SAND LOAM

14



INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/9/86	AS	4.5	252	322	322	SLOW	
	AV	13.5	OK	BELOW	6 FT		
	DS	3	257	302	302	309	7
	DD	6	257	301	301	307	6
	DV	14	OK				
	ES	2.5	312	327	327	345	18
EV	14	OK					
	BS	3	319	321	321	325	4
	BV	13	OK				
9/9/86	EM	5 1/2	330	331	331	332	1

X PERC  
 11 MIN  
 170 #/BL  
 INLET 4  
 BOTTOM 9-

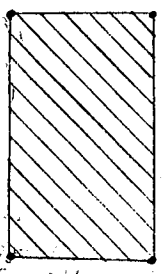
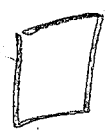
REMARKS: Holes Dug Per Surveyor stakes Reconned lot

TYPE OF SOIL: \_\_\_\_\_  
 TESTED BY: B. HODGES  
 ALSO PRESENT: ERIC MIKOLASCO, JOHN MIKOLASCO

EM-12-1079

LOT 1  
 S 23° 15' 57" W 852.20'

101.46'



1602.03'

PARCEL 7  
 3.4972 AC±

S 57° 04' 10" E 1587.70'

MATCH LINE 'A-A'  
 SEE THIS SHEET

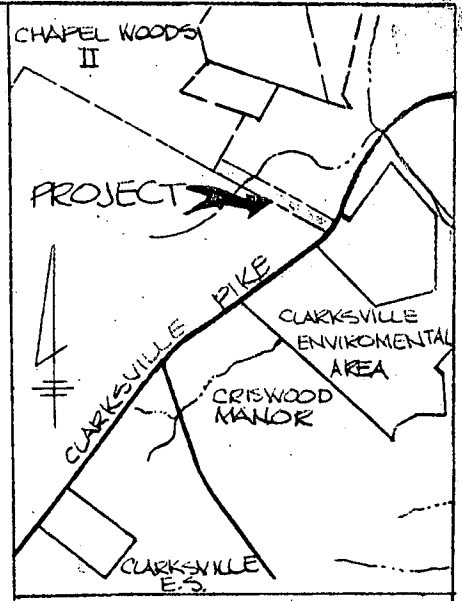
1602.03'

S 57° 04' 10" E 1587.70'

R=347.22'  
 L=76.30'  
 S 11° 56' 16" W 28.24'

CLARKSVILLE ROAD (MD. RT. 108)

• DENOTES PERC TEST THAT PASSED



VICINITY MAP

SCALE: 1" = 2000'

MATCH LINE 'A-A'  
 SEE THIS SHEET

This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

APPROVED: For Private Water and Private Sewage Systems

*OLSA*  
*sent for signature 2-6-87*  
 County Health Officer

Date



THE RIEMER GROUP INC.  
 3105 NORTH RIDGE ROAD  
 ELLICOTT CITY, MARYLAND  
 21043  
 PH.: (301) 461-2690

WATSON PROPERTY PARCEL 7  
 SEPTIC AREA LOCATION PLAN  
 TAX MAP No. 29  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 100'

FEBRUARY 4, 1987

C1 5932 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A-37469

DATE RECEIVED

DATE WELL COMPLETED 07/16/87

DEPTH OF WELL 300 (TO NEAREST FOOT)

PERMIT NO. HO-81-2132

OWNER MIKOLASKO JOHN STREET OR RFD RT. 108 TOWN CLARKSVILLE SUBDIVISION CHAPEE WOODS II SECTION LOT PAR. 7

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Brown Mica, Sandrock & Boulders, Granite & Gray Rock.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 15, NO. OF POUNDS 1500.

CASING RECORD: casing types insert appropriate code below. MAIN CASING TYPE ST, Nominal diameter 6, Total depth of main casing 72.

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

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

DEPTH (nearest ft.) HO 300. 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 3, PUMPING RATE 4.0, METHOD USED TO MEASURE PUMPING RATE SUBMERSIBLE, WATER LEVEL 20, WHEN PUMPING 36.2, TYPE OF PUMP USED 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: CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (+ above, - below) LAND SURFACE.

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



Review OK PR 12/12/90

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit NO. 81-2130  
Address Route 108  
Subdivision Chapel Woods II Lot 7  
Well Driller/Tester G. Edgar Harr Sons' Corp.

Date Test Performed 7/7/87  
Election District \_\_\_\_\_  
Town/Vicinity Clarksville  
Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
Owner John Mikalasko

Depth of Well 300'

Static Water Level 20'

Pump Test Data - Observations to be recorded every 15 minutes;  
INCLUDING HIGH RATE PUMPING RESERVOIR DRAWDOWN.

TIME	WATER LEVEL	PSI (existing pump)	PUMPING RATE time to fill 1 gallon bucket	ADDITIONAL DATA	CALCULATED FLOW (gallons per minute)
0730	20'		4		15.0
0745	135'		4		15.0
0800	240'		5		12.0
0815	235'		15		4.0
0830	235'		15		4.0
0845	235'		15		4.0
0900	235' 5"		15		4.0
0915	235' 5"		15		4.0
0930	235' 5"		15		4.0
0945	235' 9"		15		4.0
1000	235' 9"		15		4.0
1005	235' 9"		15		4.0
1030	236' 2"		15		4.0
1045	236' 2"		15		4.0
1100	236' 2"		15		4.0
					4.0



B 7 **1400**

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

**HO-81-2132**  
fill in this form completely

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

Date Received

8 13

OWNER INFORMATION

**MIKOLASKO JOHN**  
15 Last Name Owner First Name 34  
**5570-205 STERRETT PL**  
36 Street or RFD 55  
**COLUMBIA** **HO 21044**  
57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

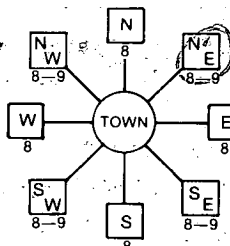
**HOWARD** 8 COUNTY 21  
**CHAPEL WOODS II** 23 SUBDIVISION 42  
SECTION **44** 46 LOT **48** 50 **PARCEL 7**  
**CLARKSVILLE** 52 NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) **2** 73 **M** 76 **I** 77 **8** 78

DRILLER INFORMATION

**Paul M. Fabiszak** **999**  
Driller's Name 77 License No. 80  
**G. Edgar Harr Sons' Corp.**  
Firm Name  
**12047 Falls Rd., Cockeysville 21030**  
Address  
*Paul M. Fabiszak* **5-18-87**  
Signature Date

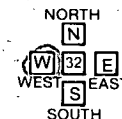
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



**Route 108** 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



**1400** 34 37  
DISTANCE FROM ROAD  
ENTER FT or MI **FT** 38 39

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5** 8 12  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **150** 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

**HOWARD** COUNTY NAME COUNTY NO. **A 37469**  
OEP SIGNATURE DATE ISSUED **12/12/87** EXP. DATE  
**R. Nylan** 48 CO SIGNATURE  
NORTH GRID **509000** 50 55 EAST GRID **0820000** 57 63

APPROXIMATE DEPTH OF WELL **400** 24 28 FEET

APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

METHOD OF DRILLING (circle one)

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

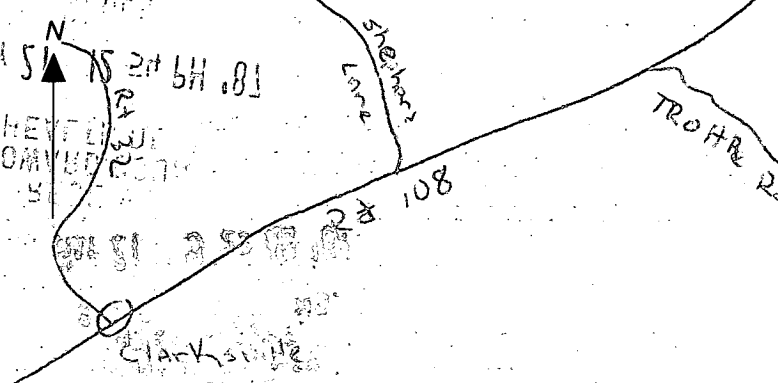
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE

**31020**  
**5009**

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



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 DEEPEEN 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 **87A** WRITE INITIALS IN BOX PERMIT No. **HO-81-2132** 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

# HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.  
COUNTY HEALTH OFFICER



Bureau of Environmental Health  
3525 Ellicott Mills Drive  
Ellicott City, Maryland 21043

Director - 461-9956  
Water & Sewerage, Permits - 461-9933  
Community Environmental Health - 461-9944  
Technical Services - 461-9955

September 23, 1986

J J M Partnership  
5570 - 201 Sterrett Place  
Columbia, Maryland 21044

Attention: John Mikolasko

RE: Percolation Testing  
Combined Parcel 5-6  
and Parcel 7  
Route 108

Dear Mr. Mikolasko:

Percolation testing conducted September 9, 1986 on the above referenced property indicated satisfactory soil conditions.

Approval is contingent upon submission by a registered engineer of a plat showing certified test hole locations and a suitable house and well site.

This should be submitted within sixty (60) days to allow field verification if necessary.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

A handwritten signature in cursive script that reads "Craig Williams".

Craig Williams, Director  
Water and Sewerage Program

CW:JR

8/8/87

LOT 4

Parcel 5

12:15 29' 2" 21 sec 5 gal  $\approx 15$  gp  
 12:30 29' 4" 21 sec 5 gal  $\approx 15$  gp  
 12:45 29' 4" " "  $\approx 15$  gp

300' deep  
 Pump at 290'  
 1' casing 45 min  
 To reach 276'  
 26' 1" static

Depth 200'  
 Static 29' 2"  
 15 min to 29'  
 pumping rate gp

12:30 { 274' 9" 30 sec 1 gal  
 12:45 { 274' 11" 30 sec 2 gp  
 1:00 { 275' 3" 30 sec  $\approx 2$  gp  
 $\rightarrow$  wild need adj in flow

NOTE { sand still not  
 complete  
 attempted 2-3  
 weeks earlier

H<sub>2</sub>O sample  
 12:30 p

H<sub>2</sub>O sample  
 1:30 p

**Parcel 7**

3 hours static 207

7:30 - 11:00 am 15 gp 30 min to reach 240'

300' Test at 250'

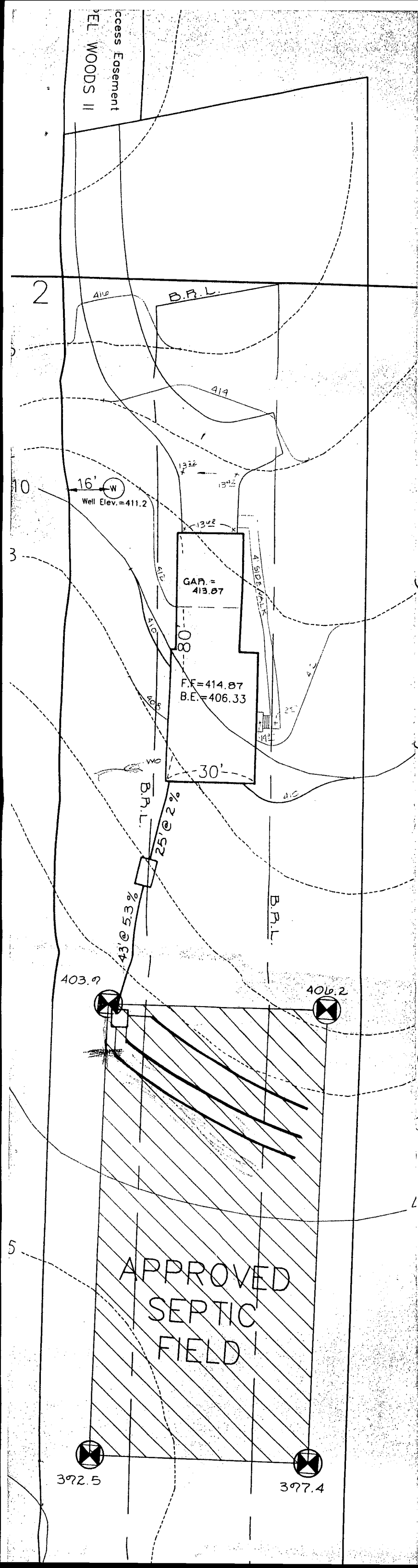
10:45 am 236' 2" 15 sec 1 gal 4 gp

11:00 am 236' 2" " 1 gal 4 gp

starting

LOT 26

no H<sub>2</sub>O sample



### SEPTIC SYSTEM DATA

INVERT AT:	ELEVATION
HOUSE (OUT OF)	404.33
SEPTIC TANK (IN)	403.83
SEPTIC TANK (OUT)	403.50
DIST. BOX (IN)	401.20
FIRST TRENCH (IN)	401.00

### GENERAL NOTES

Length of trenches to be determined at  
 suance.  
 actor shall provide positive drainage aw  
 in.

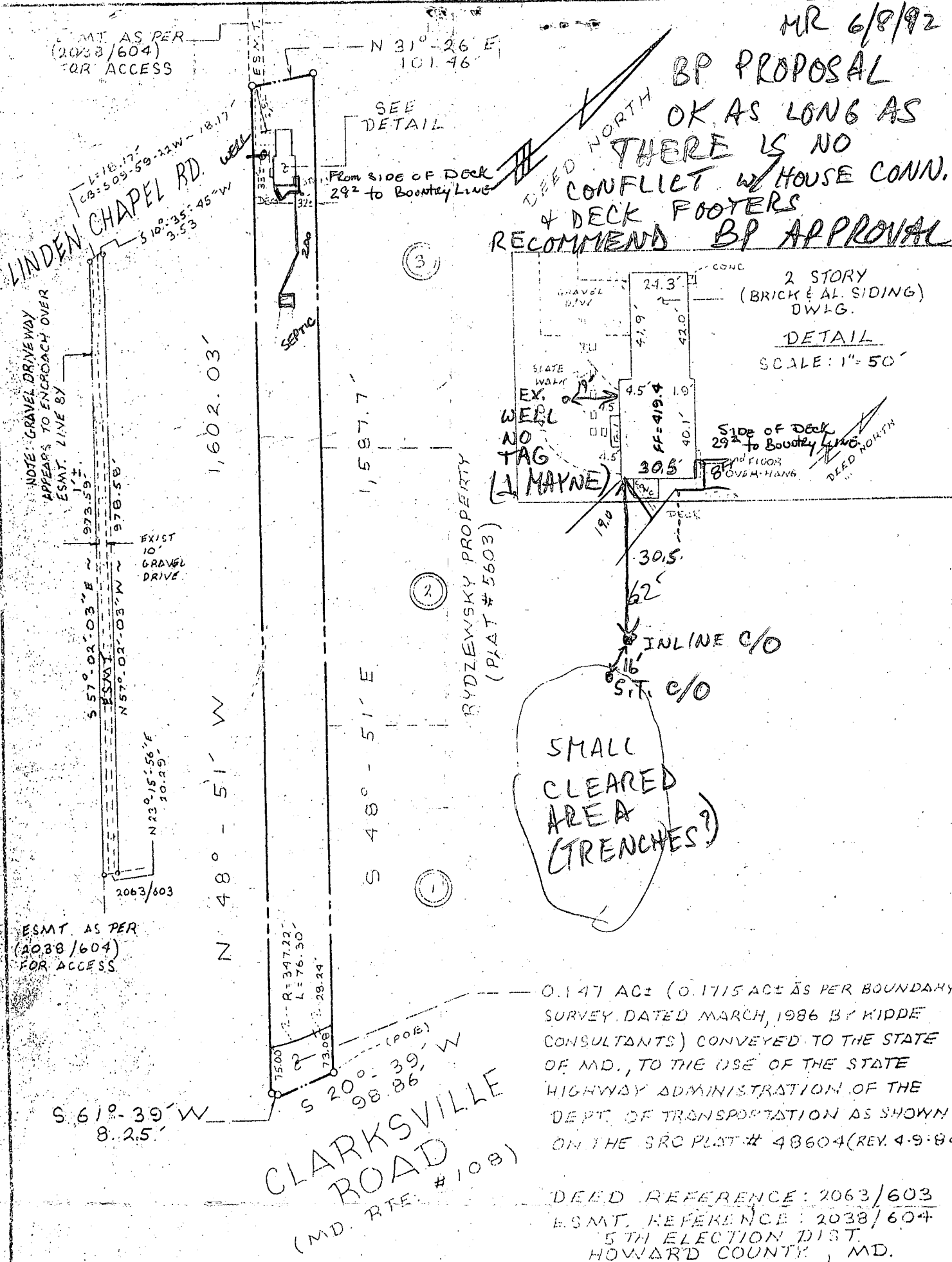
9/13/89

PLOT #

Watson

144.9 /

MR 6/8/92



ESMT AS PER (2038/604) FOR ACCESS

NOTE: GRAVEL DRIVEWAY APPEARS TO ENCRACH OVER ESMT. LINE BY 1'-1"

ESMT AS PER (2038/604) FOR ACCESS

Note: The information on this plat shows only that the improvements indicated hereon are contained within the outlines of the lot upon which they were erected, unless otherwise noted, and is not to be used to establish property lines or corners.

0.147 AC± (0.1715 AC± AS PER BOUNDARY SURVEY DATED MARCH, 1986 BY KIDDE CONSULTANTS) CONVEYED TO THE STATE OF MD., TO THE USE OF THE STATE HIGHWAY ADMINISTRATION OF THE DEPT. OF TRANSPORTATION AS SHOWN ON THE SRC PLAT # 48604 (REV. 4-9-84)

DEED REFERENCE: 2063/603  
ESMT REFERENCE: 2038/604  
5TH ELECTION DIST.  
HOWARD COUNTY, MD.

I hereby certify that I have examined the current Flood Insurance Rate Map (FIRM Map # ) for the subject property and it does not lie in an area identified by the Secretary of Housing and Urban Development as having Special flood or mudslide hazards.



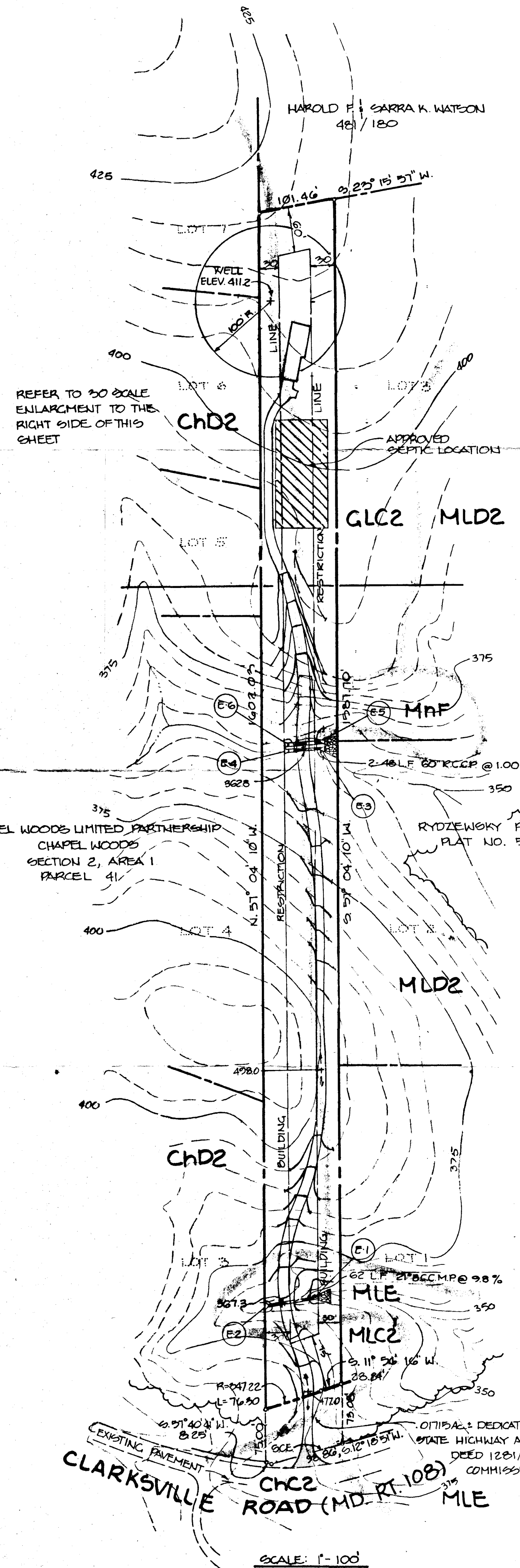
# 11854 LINDEN CHAPEL ROAD

Vitti, Robel & Associates, Inc.

ENGINEERING & SURVEYING  
1717 York Road Suite 2B Lutherville, MD 21093  
252-4552

job no.: 8967
scale: 1"=200'
date: 3/12/91
drawn: MLR
checked:





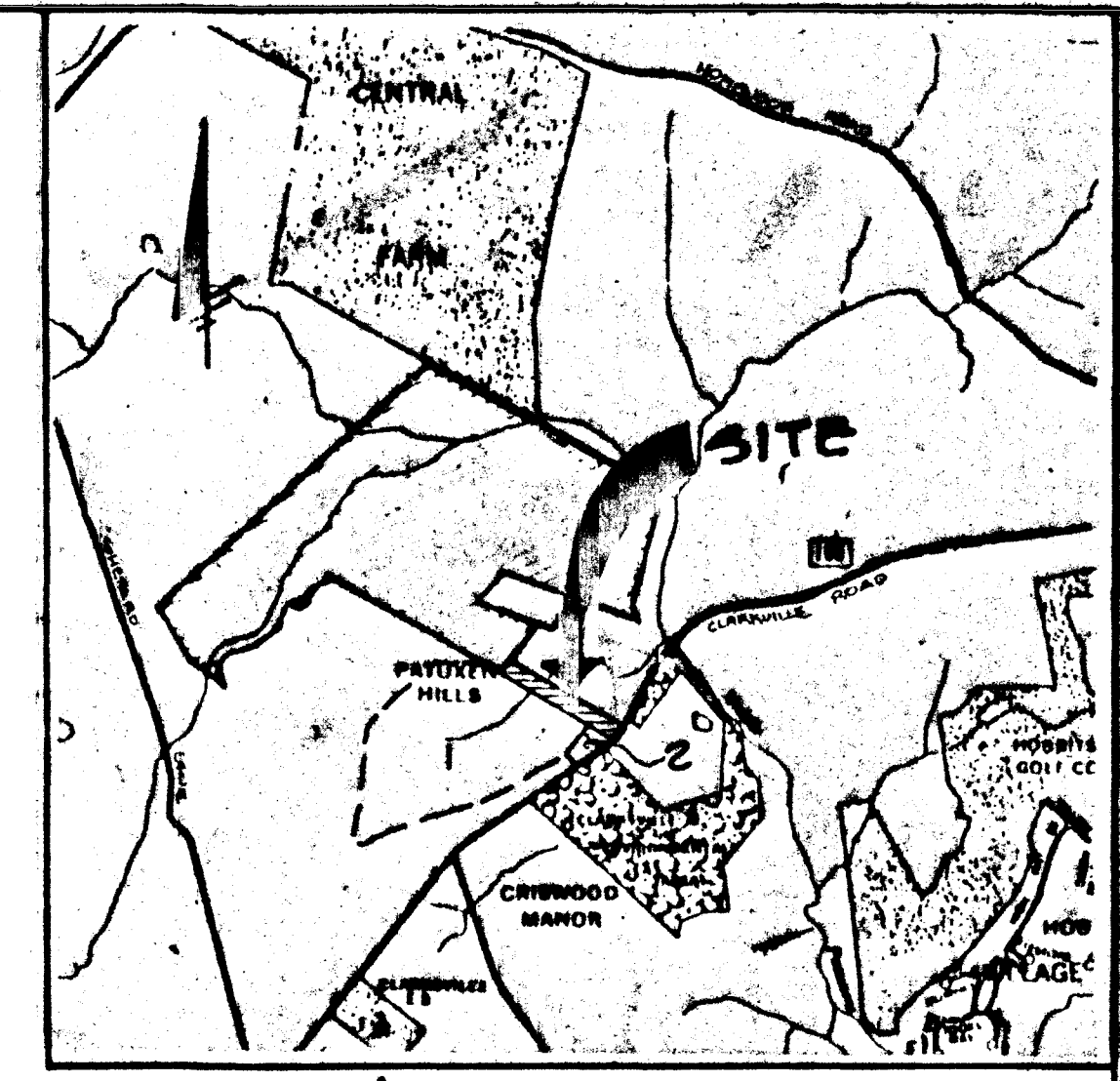
also  
BP 29/41  
(Chapel Woods II parcel 17)  
2/10/87

**DRAINAGE AREA INFORMATION**

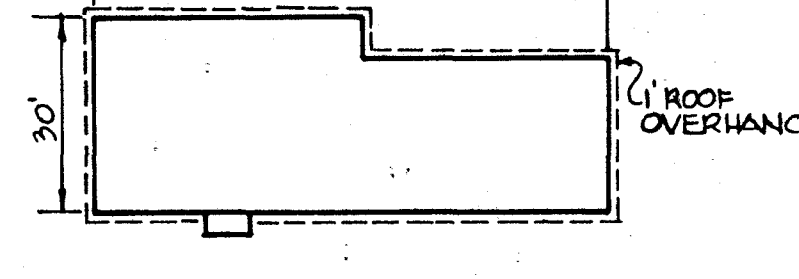
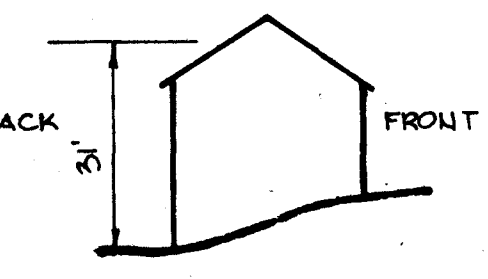
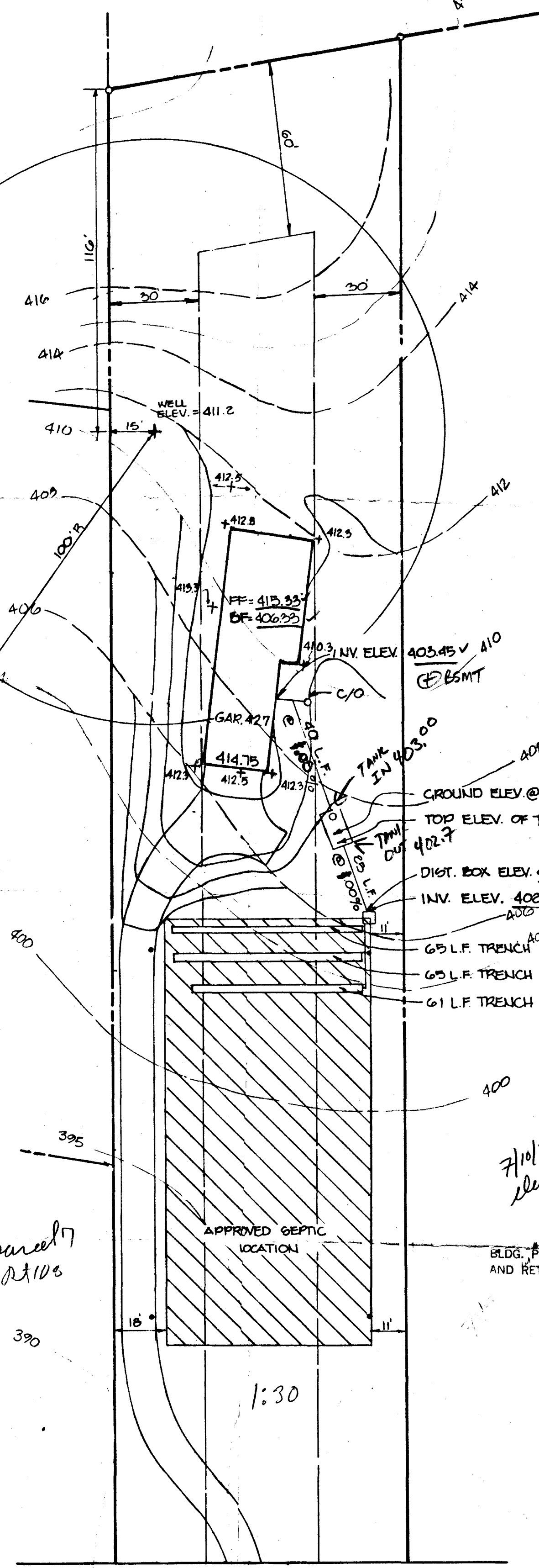
AREA	ACREAGE	RUNOFF CURVE NUMBER (ULTIMATE)	TIME OF CONCENTRATION
1	73.10	77	0.65 HR.
2	9.67	77	0.54 HR.

**SOIL NOTES**

- CHC2 CHESTER SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
- CHD2 CHESTER SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED
- GIC2 GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
- MIC2 MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
- MID2 MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED
- MIE MANOR LOAM, 25 TO 45 PERCENT SLOPES
- MHF MANOR VERY STONY LOAM, 3 TO 25 PERCENT SLOPES

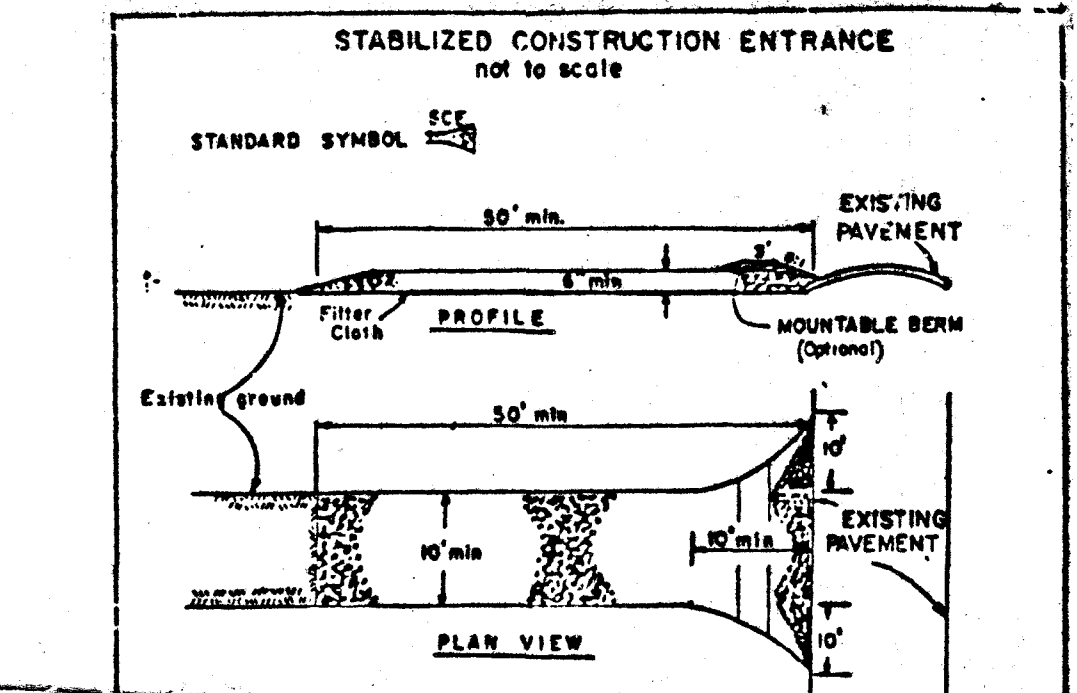


**VICINITY & DRAINAGE AREA MAP**



**HOUSE MODEL**

NO SCALE



- CONSTRUCTION SPECIFICATIONS**
- Stone Size - One (1) stone, or recycled or recycled concrete aggregates.
  - Length - As required, but not less than 10 feet (except on a single residence lot where a 30 foot minimum length would apply).
  - Thickness - Not less than six (6) inches.
  - Width - Two (2) foot minimum, but not less than the full width of the entrance.
  - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter cloth will not be required on a single family residence lot.
  - Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 3:1 slope will be permitted.
  - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measure used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
  - Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
  - Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE**

**PERMANENT SEEDING NOTES**

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-term vegetative cover is needed.

**Soil Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

**Soil Amendments:** Apply 0-20-20 fertilizer at the rate of 600 lbs. per acre. Harvest or disc line and 0-20-20 fertilizer into the soil to a minimum depth of 3". Lawns or high maintenance areas will be drilled and leveled with a Turf rake. At the time of seeding, apply 400 lbs. of 30-0-0 ureaform fertilizer and 500 lbs. of 10-20-20 or equivalent fertilizer per acre.

**Seeding:** For the periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs. per acre (1 lb./1000 sq. ft.) of a mixture of certified Marion Kentucky bluegrass common Kentucky bluegrass @ 40 lbs. per acre (1 lb./1000 sq. ft.) and Red Fescue, Perennial or Jamestown @ 20 lbs. per acre (0.5 lb./1000 sq. ft.) for the period May 1 thru July 31, seed with 40-40-20 mix as specified above and 2 lbs. per acre (0.05 lb./1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: (Option 1) 2 tons per acre of well-anchored straw mulch and seed as soon as possible in the spring. (Option 2) Use seed. (Option 3) Seed with 40-40-20 mix specified above and mulch with 2 tons/acre well-anchored straw.

**Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

**Maintenance:** Inspect all seeded areas and make seedling repairs, replacements and reseeding.

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

**Soil Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

**Soil Amendments:** Apply 600 lbs. per acre 10-10-10 fertilizer (16 lbs./1000 sq. ft.) where well. If highly acidic, apply dolomitic limestone at the rate of 1 ton per acre.

**Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 140 lbs. per acre of annual ryegrass (3.7 lbs./1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs./1000 sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well-anchored straw mulch and seed as soon as possible in the spring, or use seed.

**Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 ft. or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

DATE	NO.	REVISION

OWNER/DEVELOPER: JLM PARTNERSHIP  
5510-201 GERRERT PLACE  
COLUMBIA, MD. 21044 P(301)740-4466

JJM INC.  
5510-201 GERRERT PLACE  
COLUMBIA, MD 21044 P(301)740-4466

PROJECT: WATSONETTE

AREA TAX MAP 29 PARCEL 7  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

TITLE: PLOT PLAN

**THE RIEMER GROUP, INC.**

The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm  
3106 Health Park Drive, Ellicott City, Maryland 21043 (301) 461-2600

6-23-87 DATE

DESIGNED BY: GRR

DRAWN BY: GRR

PROJECT NO: 33502

DATE: JUNE 23, 1987

SCALE: -

DRAWING NO. 1 OF 2

ARTHUR E. MUEGGE # 2707

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL # 7
PLAT # OR L/F BLOCK # ZONE TAX/ZONE MAP ELEC. DIST. CENSUS TR	481/180 29	
WATER CODE	SEWER CODE	

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS

SCALE: 1" = 30'



B 1 4553

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-21-1057

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

please print or type

fill in this form completely

Date Received

8 13

OWNER INFORMATION

15 Last Name 21 Owner 27 First Name 34

36 Street or RFD 55

57 Town 70 State 72 Zip 76

INDEXED

LOCATION OF WELL 40-37472

8 COUNTY 21

23 SUBDIVISION 42

SECTION 44 46 LOT 48 50

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 MI 73 76 77 78

DRILLER INFORMATION

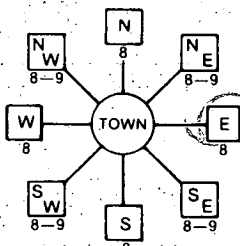
Driller's Name 77 License No. 80

Firm Name

Address

Signature Date

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD

ENTER FT or MI

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

COUNTY NAME COUNTY NO.

OEP SIGNATURE DATE ISSUED

CO-SIGNATURE EXP. DATE

NORTH GRID EAST GRID

APPROXIMATE DEPTH OF WELL FEET

APPROXIMATE DIAMETER OF WELL 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 DEEPEMED AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

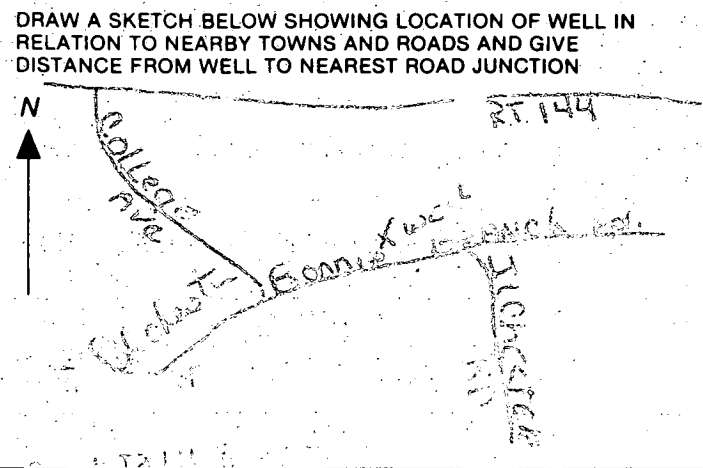
Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER

FORCE PERMIT No.

SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
WRITE THE BOX NUMBER FROM THE MAP HERE



C1-5287

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)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER

A 34772-W

DATE RECEIVED

8 13

DATE WELL COMPLETED

010697

Depth of Well

22 400 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

10-81-1657

OWNER: WELTSCH, LEAH last name first name STREET OR RFD: BONNIE BRANCH RD TOWN: ILLICHOESTON SUBDIVISION: SECTION: LOT:

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 (0-1), Boulders (1-3), Granite (3-250), Opening (250-251), Granite (251-400).

GROUTING RECORD WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC) NO. OF BAGS: 60 NO. OF POUNDS: 600

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

MAIN CASING TYPE: ST Nominal diameter: 6 Total depth of main casing: 200

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

SCREEN RECORD screen type or open hole: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER)

DEPTH (nearest ft.) table with rows for screen depths from 8 to 51 feet.

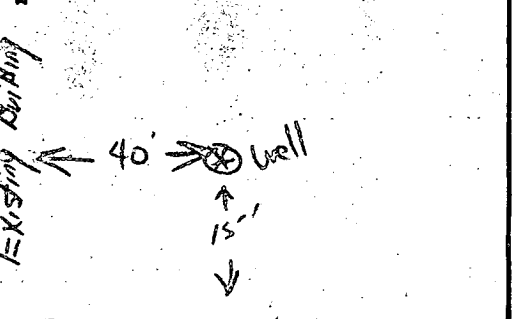
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST HOURS PUMPED: 6 PUMPING RATE: 2 gal/min METHOD USED TO MEASURE PUMPING RATE: Bucket WATER LEVEL: BEFORE PUMPING: 17 WHEN PUMPING: 19.5 TYPE OF PUMP USED: S (submersible)

PUMP INSTALLED DRILLER WILL INSTALL PUMP: YES (NO) CAPACITY: GALLONS PER MINUTE: PUMP HORSE POWER: PUMP COLUMN LENGTH: CASING HEIGHT: + above, - below

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)



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. 341 DRILLERS SIGNATURE: Wesley K. Baggett SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

Bonnie Branch Rd.

KN-1810

new  
1-7-87  
8:00

Page \_\_\_\_\_ of \_\_\_\_\_  
Date \_\_\_\_\_

Review of SAUC 22387

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO-81-1657  
Location of property (road) Bonnie Branch Rd  
subdivision \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
Well Driller Geo. Easterday Owner Leslie Deutch

Depth of well 400 26 PM  
Distance of measuring point (M.P.) above ground 4' 2"  
Static water level (S.W.L.) below M.P. \_\_\_\_\_

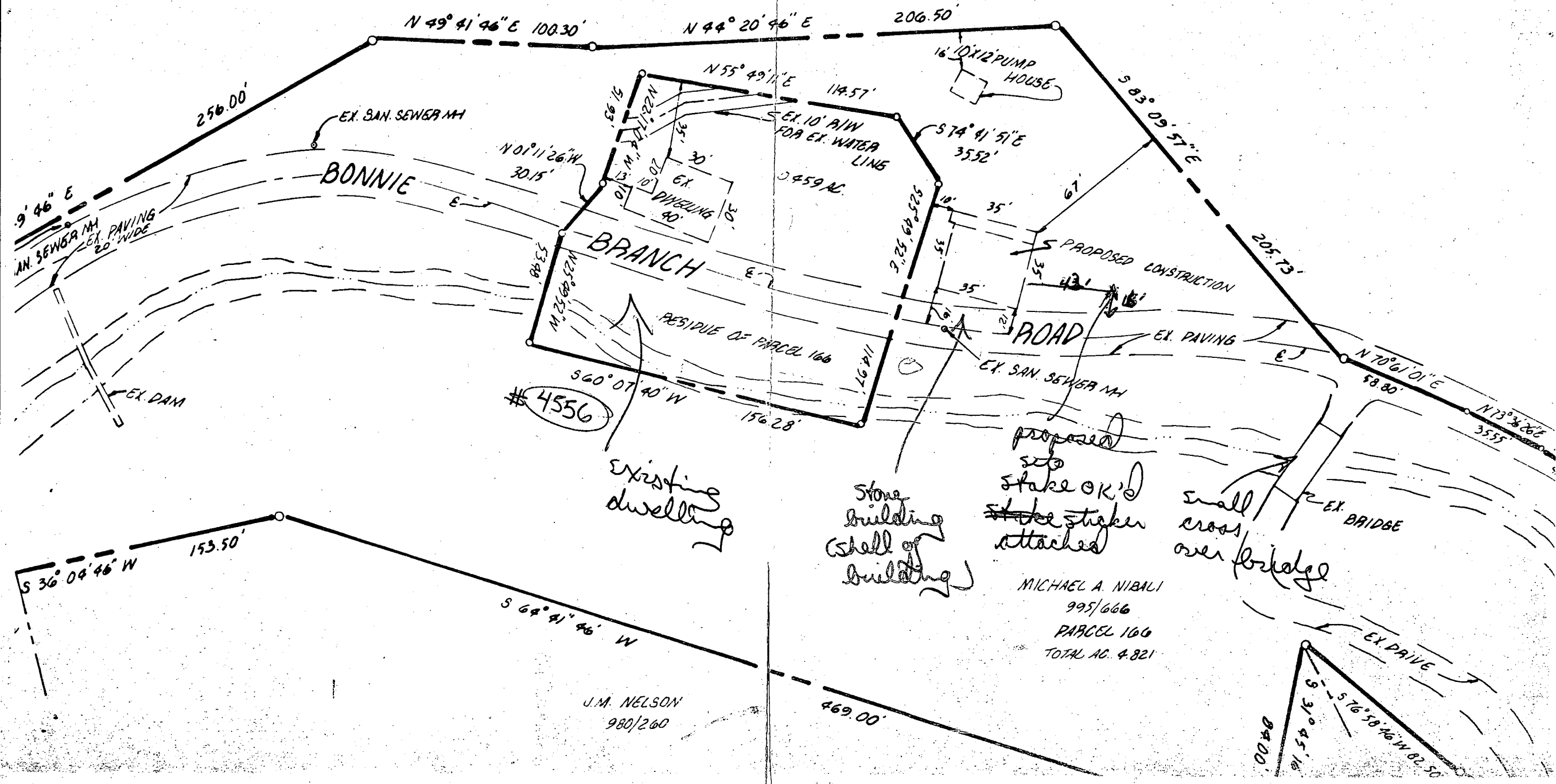
I. High rate pumping -- reservoir drawdown  
Time pump started 9:10 Pumping rate 15 gpm  
Total time 9:30 to reach pumping water level 192 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:45	194'	30 SEC		2 gpm
10:00	194'	30		2
10:15	194'	30		2
10:30	194'	30		2
10:45	194'	30		2
11:00	194'	30		2
11:15	194'	30		2
11:30	194'	30		2
11:45	194'	30		2
12:00	194'	30		2
12:15	194'	30		2
12:30	194'	30		2
12:45	194'	30		2
1:00	194'	30		2
1:15	195'	30		2
1:30	195'	30		2
1:45	195'	30		2
2:00	195'	30		2
2:15	195'	30		2
2:30	195'	30		2
2:45	195'	30		2
3:00	195'	30		2
3:15	195'	30		2
3:30	195'	30		2
3:45	195'	30		2

Pump D 390' BSP

MICHAEL A. NIBALI  
995/663



#4556

Existing dwelling

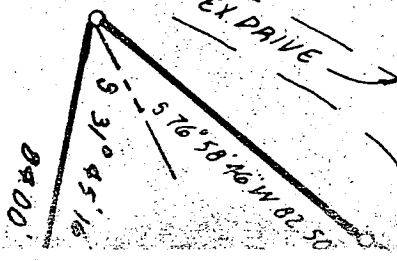
Stone building (shell of building)

proposed site stake OK'd stake staker attached

small cross over bridge

MICHAEL A. NIBALI  
995/666  
PARCEL 166  
TOTAL AC. 4.821

J.M. NELSON  
980/260



H.M.  
12/20/94

For File

For 12/20/94  
Final  
C. Boel.  
See below

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

APPLICATION FOR PITLESS ADAPTER ONLY WELL LINE ONLY PUMP AND PRESSURE TANK INSTALLATION

New Installation \_\_\_\_\_ Receipt # \_\_\_\_\_  
Replacement \_\_\_\_\_ Date \_\_\_\_\_

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

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

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

Subdivision \_\_\_\_\_ Lot # \_\_\_\_\_ Well Tag # \_\_\_\_\_ RUSTY  
Site Address 4456 Bonnie Branch Road [Not visible 12/20]

<b>Pump</b>	<b>Motor</b>	<b>Pitless Adapter</b>
1. Type	1. Horsepower _____	1. Make _____
a. Deep well jet _____	2. RPM _____	2. Model # _____
b. Shallow well jet _____	3. Voltage _____	3. Depth _____
c. Submersible _____	a. 110 _____	
2. Make _____	b. 220 _____	
3. Model # _____		
4. Capacity _____ 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 _____		

<b>Tank</b>	<b>Piping</b>	<b>Well data</b>
1. Capacity _____	1. Type _____	1. Depth _____ ft.
2. Pressure relief valve? _____	2. Size _____	2. Yield _____ GPM
	3. NSF and/or BOCA Code approved _____	3. Static water level _____ ft.
	4. Depth of supply line _____	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: \_\_\_\_\_

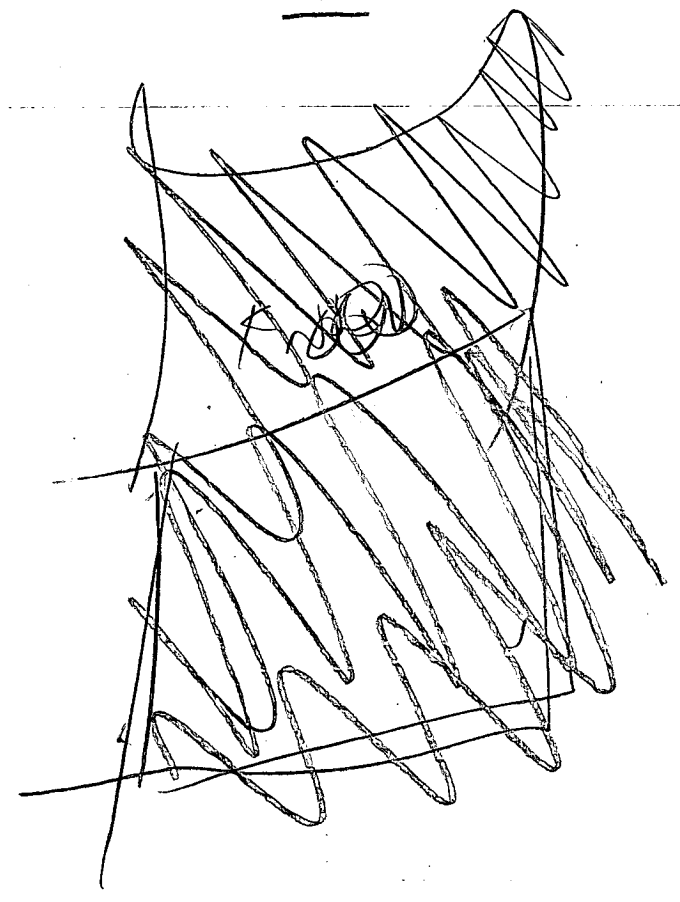
Date: \_\_\_\_\_

ORANGE Note Pitless adapter 36" or 3' below surface to 39" below. Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HD-215 12/20 Note - No other paperwork with this sheet } over  
Note: Note date means pitless adapter, No hole seen! CBd  
Water supply \_\_\_\_\_

12/20/94 observed steady level of water inside  
over → { casing for 10 minutes; with no movement  
seen or change in depth of water in  
well (43" ± water level to top of casing) File

Ch. Treacher  
R.S.



12/20/94  
AM

Fax  
+ 2648

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

~~461-9933~~ 313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # 0  
Date 11/28/94

Name of Installer Leonard E. Sutton Co

Telephone 410-744-4552

License Number 3041

Certified Well Pump Installer  Well Driller  Registered Plumber

Name of Property Owner Patapasco Associates

Telephone 410-276-1193

Subdivision ~~840 D. W. Ave.~~ Lot #           

Well Tag # HO-81-1657

Site Address 4456 Bonnie Branch Road

Pump  
1. Type  
a. Deep well jet   
b. Shallow well jet   
c. Submersible   
2. Make                                   
3. Model #                                   
4. Capacity                                  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                                 

Motor  
1. Horsepower 3/4  
2. RPM                                   
3. Voltage                                   
a. 110                                   
b. 220                                 

Pitless Adapter  
1. Make   
2. Model #                                   
3. Depth 400

Tank  
1. Capacity 203  
2. Pressure relief valve? 75/65

Piping  
1. Type 1606 poly  
2. Size 1"  
3. NSF and/or BOCA Code approved yes  
4. Depth of supply line 36"

Well data  
1. Depth 400 ft.  
2. Yield 2 GPM  
3. Static water level 0 ft. *top of well head*  
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: *Leonard E. Sutton*

Date: 11-28-94

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

PUBLIC SEWER / PRIVATE WELL  
 BUT OCCUPANCY APPROVAL WOULD REQUIRE SAMPLE etc.  
 OLD WELL - NOT COP ELIGIBLE

APPLICATION *No Record*

HOWARD COUNTY  
**PERMIT APPLICATION**  
 DEPARTMENT OF INSPECTIONS, LICENSES & PERMIT  
 3430 COURT HOUSE DRIVE, ELLICOTT CITY, MARYLAND 21043

\$25.00  
*H.*

SERIAL NUMBER  
 184954  
 0275  
 55258

BUILDING ADDRESS (HOUSE NO., STREET, TOWN OR AREA)  
 4456 BONNIE BRANCH Rd  
 ELLICOTT CITY, MD 21043

GRADING/SEDIMENT CONTROL  YES  NO  
 SDP #

LOT NO.	PARCEL NO.	SEC.	AREA	BLOCK NO.	LIBER	FOLIO
	163			4		
SUB DIVISION		ZONE	ZONE MAP	ELEC. DIST.	CENSUS TR.	
		R-20			6034	

DESCRIPTION OF WORK AUTHORIZED  
 REMOVE STONE SHELL INCLUDING  
 NEW ROOF WINDOWS AND SOME  
 WORK TO EXISTING WALLS SUBJ.  
 TO FIELD INSPECTION

OWNER NAME AND ADDRESS  
 PATAPSCO ASSOCIATES 276-1193  
 840 OELLA AVE. ELLICOTT CITY, MD  
 21043

SIZE OF BLDG.	FRONT	DEPTH	HEIGHT
22' x 36'			

OCCUPANT'S NAME AND ADDRESS  
 N/A

TYPE OF BLDG.	AREA	VOLUME	ROOF
B. ROOMS			
ROOMS			
BATHS			
FIREPLACES			

ARCHITECT OR ENGINEER'S NAME AND ADDRESS  
 N/A

FOOTINGS	FOUNDATION	S. WALLS
<i>EXISTING</i>	<i>REMOVE</i>	<i>REMOVE</i>

CONTRACTOR'S NAME AND ADDRESS  
 PATAPSCO ASSOCIATES  
 (AS ABOVE)

UTILITIES		TYPE OF HEAT		AC
WATER/WELL	SEWER/SEPTIC	GAS	ELECTRICITY	
		NO		

EXISTING USE  
 VACANT

PROPOSED USE  
 SFD  
 RESIDENTIAL

I have carefully examined and read this application and know the same is true and correct, and that in doing this work, all provisions of Howard County Ordinances and the State Laws of Maryland will be complied with, whether specified or not; and I will notify the Department of Inspections and Permits twenty-four hours in advance when I am ready for the inspections called for elsewhere in the application; and that no work will be covered up until such inspections have been completed with.

*[Signature]*  
 SIGNATURE

EST. CONSTRUCTION COST  
 \$45,000

LICENSE NUMBER

PERMIT FEE

TITLE

DATE

W/S CODE

DISTRICT IN FEET FROM R/W LINE TO FRONT BUILDING LINE \_\_\_\_\_

SIDE YARD  
 (DISTANCE IN FEET FROM SIDE BLDG. LINE TO SIDE PROPERTY LINE) \_\_\_\_\_

TO SIDE BUILDING LINE \_\_\_\_\_

DISTANCE IN FEET, REAR YD. REQUIRING SET \_\_\_\_\_

BACK \_\_\_\_\_ (CORNER LOT ONLY) \_\_\_\_\_ SDP # \_\_\_\_\_

Check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

**FOR OFFICE USE ONLY**

FUNCTION	DATE	SIGNATURE APPROVAL
ZONING/PLANNING	X	
SHA		
SEDIMENT/GRADING		
BUILDING OFFICIAL	X	
WATER & SEWER	X	
HEALTH DEPT.	X 8/1/94	Mark E. Riplin
FIRE PROTECTION		
STORM WATER MGMT	X	

**CAUTION**  
 To begin construction before a permit placard has been issued and displayed on the job is a violation of the law.  
 Use and occupancy permit must be applied for 10 weeks before it will be issued.

IMPORTANT: PLEASE SHOW ZIP CODES AND AREA CODES WHEREVER REQUIRED.

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_



C1 5287		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)			FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE		COUNTY NUMBER	A 37472 W
DATE RECEIVED	DATE WELL COMPLETED		DEPTH OF WELL		PERMIT NO.	
	01/06/97		450' (TO NEAREST FOOT)		FROM "PERMIT TO DRILL WELL" 40-21-7657	
OWNER	DEVILS CREEK		LESLIE			
STREET OR RFD	BONNIE BRANCH RD		TOWN		J & CHESTER	
SUBDIVISION			SECTION		LOT	
WELL LOG Not required for driven wells			GROUTING RECORD		PUMPING TEST	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER-BEARING			WELL HAS BEEN GROUTED (Circle Appropriate Box)		C 3	
DESCRIPTION (Use additional sheets if needed)			TYPE OF GROUTING MATERIAL		HOURS PUMPED (nearest hour)	
FEET			CEMENT <input checked="" type="checkbox"/> BENTONITE CLAY <input checked="" type="checkbox"/>		PUMPING RATE (gal. per min. to nearest gal.)	
FROM TO			NO. OF BAGS NO. OF POUNDS		METHOD USED TO MEASURE PUMPING RATE	
Topsoil 0 1			GALLONS OF WATER		WATER LEVEL (distance from land surface)	
Boulders 1 3			DEPTH OF GROUT SEAL (to nearest foot)		BEFORE PUMPING	
Granite 3 250			from ft. to ft.		WHEN PUMPING	
Opening 250 251			GROUTING RECORD		TYPE OF PUMP USED (for test)	
Granite 257 400			casing types: insert appropriate code below		A air P piston T turbine	
			ST CO STEEL CONCRETE		C centrifugal R rotary O other (describe below)	
			PL OT PLASTIC OTHER		J jet S submersible	
			MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)		PUMP INSTALLED	
			ST 6 20		DRILLER WILL INSTALL PUMP YES NO	
			OTHER CASING (if used) diameter (inch) depth (feet) from to		IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE	
			SCREEN RECORD		TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:	
			screen type or open hole insert appropriate code below		CAPACITY: GALLONS PER MINUTE (to nearest gallon)	
			ST BR HO STEEL BRASS OPEN HOLE PL OT PLASTIC OTHER		PUMP HORSE POWER	
			SLOT SIZE 1 2 3		PUMP COLUMN LENGTH (nearest ft.)	
			Diameter of Screen (nearest inch)		CASING HEIGHT (circle appropriate box and enter casing height)	
			GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 88		LAND SURFACE (nearest foot)	
			OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)		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)	
			T (E.R.O.S.) W.O.		Existing Building ← 40' → Well 15'	
			70 72 74 75 78			
			TELESCOPE CASING LOG INDICATOR OTHER DATA			
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED			DRILLERS IDENT. NO.			
E ELECTRIC LOG OBTAINED			DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)			
P TEST WELL CONVERTED TO PRODUCTION WELL			SITE SUPERVISOR (Sign. of driller or journeyman responsible for sitework if different from permittee)			

DRILLER

Bonnie Branch Rd.

Page \_\_\_\_\_ of \_\_\_\_\_  
Date \_\_\_\_\_

Review \_\_\_\_\_

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO-81-1657  
Location of property (road) Bonnie Branch Rd  
Subdivision \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
Well Driller Geo. Featherday Owner Leslie Denton-R2

Depth of well 400 26 PM  
Distance of measuring point (M.P.) above ground 42'  
Static water level (S.W.L.) below M.P. \_\_\_\_\_

I. High rate pumping -- reservoir drawdown  
Time pump started 9:10 Pumping rate 15 gpm  
Total time 9:30 to reach pumping water level 192 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:45	194'	30 SEC		2 gpm
10:00	194'	30		2
10:15	194'	30		2
10:30	194'	30		2
10:45	194'	30		2
11:00	194'	30		2
11:15	194'	30		2
11:30	194'	30		2
11:45	194'	30		2
12:00	194'	30		2
12:15	194'	30		2
12:30	194'	30		2
12:45	194'	30		2
1:00	194'	30		2
1:15	195'	30		2
1:30	195'	30		2
1:45	195'	30		2
2:00	195'	30		2
2:15	195'	30		2
2:30	195'	30		2
2:45	195'	30		2
3:00	195'	30		2
3:15	195'	30		2
3:30	195'	30		2
3:45	195'	30		2

Pump 390' BSP

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

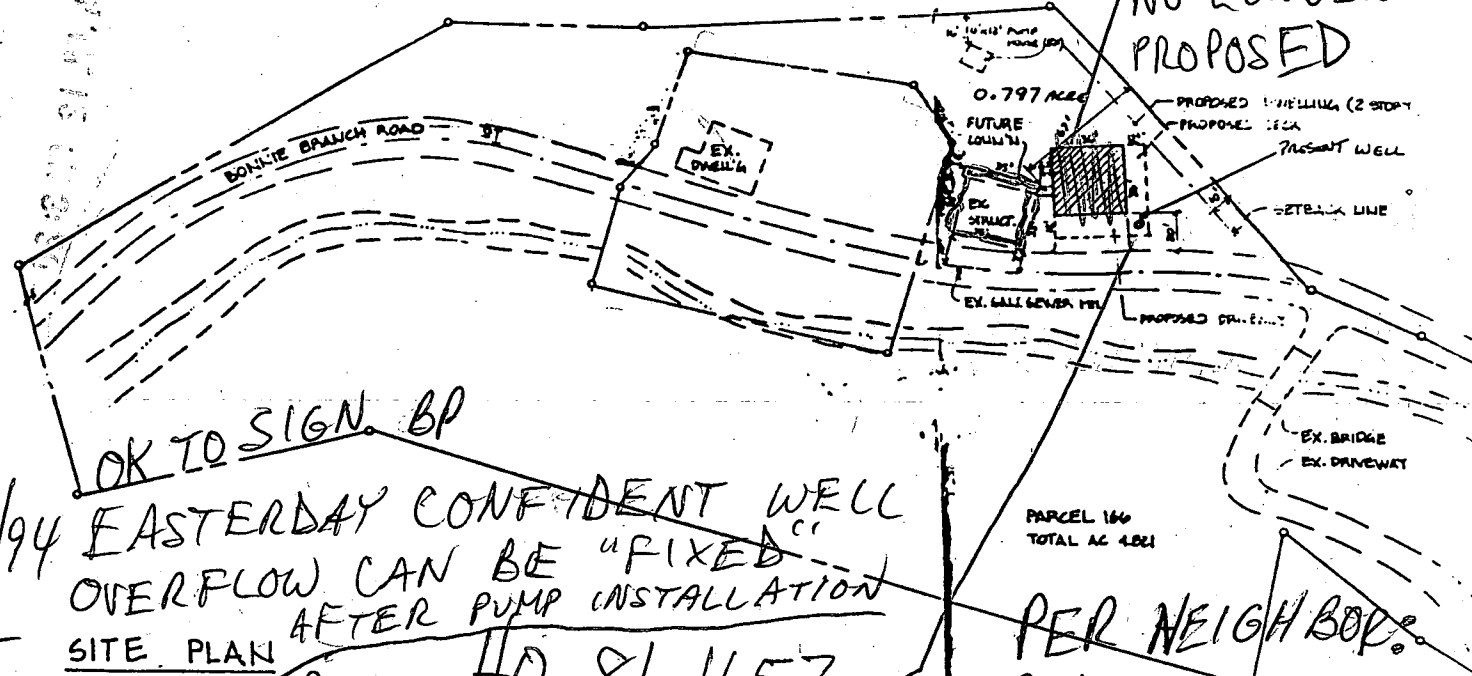
TELESCOPE CASING INDICATOR

LOW PRESSURE INDICATOR

v

Bob Gemmill 825-9512

previously proposed structure NO LONGER PROPOSED



OK TO SIGN BP

7/28/94 MR EASTERDAY CONFIDENT WELL OVERFLOW CAN BE "FIXED" AFTER PUMP INSTALLATION

SITE PLAN

1" = 50'

MR HO-81-1657

7/15/94 CASING WET WATER DRIPPING FROM UNDER CAP (ARTESIAN?)

GENERAL NOTES:

- 1. TAX MAP: 31 PARCELS: 166, 162
- 2. ZONING: R-20
- 3. 30 FT R/W BY PRESCRIPTION EXIST OVER BONNIE BRANCH RD.
- 4. SEWER: PUBLIC, WATER: PRIVATE

PARCEL 166 TOTAL AC 4.821

PER NEIGHBORS

BLDG NEVER SERVED AS RESIDENCE (AND NEVER HAD ANY PLUMBING OR SEPTIC)

Department of Planning and Zoning  
Howard County, Maryland  
Recommendations/Comments

Date: 7/20/98

Planning Board n/a Board of Appeals 9/1/98 Zoning Board \_\_\_\_\_

Petition No. BA 98-36V Map No. 31 Block 4 Parcel 166 Lot \_\_\_\_\_

Return comments by 8/10/98 to Comprehensive Planning and Zoning Administration.

Location of Property: S side of Bonnie Branch, approx. 1100' W of Ilchester Rd.

Applicant: Craig Phillips

Applicant's Address: 4450 Bonnie Branch Road, Ellicott City, MD

Owner: (if other than applicant) \_\_\_\_\_

Owner's Address: \_\_\_\_\_

Petition: Variance to reduce the required 75' building restriction line to -10' for a garage.

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TO:

- Department of Education
- Bureau of Environmental Health
- Development Engineering Division
- Department of Inspections, Licenses and Permits
- Department of Recreation and Parks
- Department of Fire and Rescue Services
- State Highway Administration
- Sgt. Karen Shinham, Howard Cty. Police Dept.
- James Irvin, Department of Public Works
- MD Depart. of Human Resources, Fran Sterner (child day care)
- Office on Aging, Barbara Harris (Senior Asst. Living)
- Police Department, Animal Control, Brenda Purvis (kennels)

COMMENTS: It is not clear from applicant's exhibit whether adequate clearance can be maintained between the proposed garage and the existing well. This issue should be resolved prior to approval of building permit.

\_\_\_\_\_  
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Mark E. Refkin 8/12/98  
(Signature)