

10/23/87
AM ASAP

~~10/22/87~~
~~AM ASAP~~

10/28/87 AM

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 40266

A 35011

DISTRICT 5th

DATE 10/14/87

DATE SYSTEM APPROVED 10/28/87

INSPECTOR RH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED
05-402212

Tom Lawson IS PERMITTED TO INSTALL ALTER

ADDRESS 7653 Green Dell Lane, Highland, Md PHONE 854-2819

SUBDIVISION Waterford ROAD 13100 Brighton Dam Road LOT 1, Section 3

PROPERTY OWNER Gerome Williams

ADDRESS _____

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 220 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 35 feet off the front (323.33') lot line and 155 feet off the left (385.77') lot line as seen when facing the lot from Brighton Dam Road. Run trenches on contour toward the right 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.

OK SA

PLANS APPROVED BY S. Abel DATE 3/0/387

COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E., TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL. (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES).

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER. NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS.

PERMIT VOID AFTER TWO YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

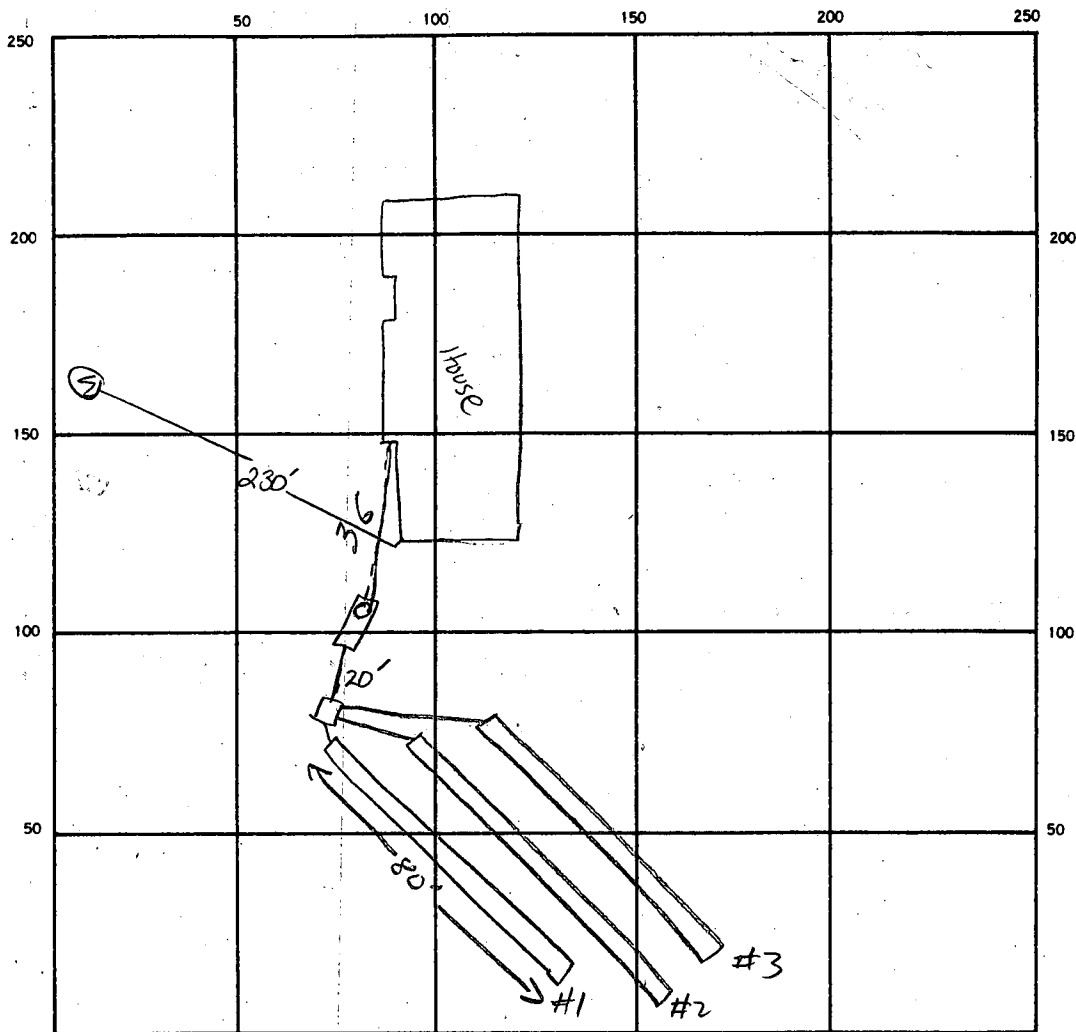
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 35011



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.
Brighton Dam Rd.

SEPTIC TANK LEVEL ✓ 2000 GAI CLEANOUTS ✓

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD (TILE FIELD) DEPTH ① 6.5' ② 5.5' ③ 5' FT. TRENCH WIDTH 4 FT. INLET DEPTH ① 4.5' ② 3.5' ③ 3' FT.

EFFECTIVE GRAVEL DEPTH 2' ALL FT. TOTAL LENGTH ① 80' ② 80' ③ 80' FT. TLF 240

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 960 SQ. FT.

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

ABSORBENT AREA 960 SQ. FT.

REMARKS TRENCH #1 TOO DEEP BOTTOM BY 18" OK - NO H₂O IN UPPER AREA OF FIELD.

TRENCH # 2+3 6" TOO DEEP. INV. AT TANK DEEPER THAN EXPECTED CAUSED THE
PROBLEM. INSTALLER WILL INFORM HEALTH DEPT. IF THIS EVENT OCCUR IN FUTURE.

S ALL. OK TO ADD STONE. SA 10/23/87 OK TO COVER ALL WORK - CALL WHEN HOUSE
CONNECTION MADE. SA

10/28/87 - HOUSE HOOK UP OK

DATE SYSTEM APPROVED 10/28/87 INSPECTOR Raymond J. Dodge

Need only 1 application with the below checked items completed

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 35011

P _____

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

DISTRICT 5th

DATE 2-13-85

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.

Cerome Williams

PROPERTY OWNER Ferat International, % Mrs. Gabriela M. Arroyo

ADDRESS 1310 Eighteenth St., N.W., Washington, D.C., 20036 PHONE 202-457-0727

PROPERTY LOCATION: WATERFOLD Section 3 LOT 1

SUBDIVISION Huntington Estates Section 2 Final Plot NEED LOT 12

ROAD AND DESCRIPTION North side of Brighton Dam Road approximately 3400
feet west of Ten Oaks Road 13100 Brighton Dam Rd.

SIZE OF LOT 3+ acres TYPE BLDG. Residence
(NUMBER OF BEDROOMS)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE - 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. *Chelo J. Corroch*
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 3-27-85 Perc Test Satisfactory; Hold for Certified

HOLE LOCATION, house AND well site; System First Seal

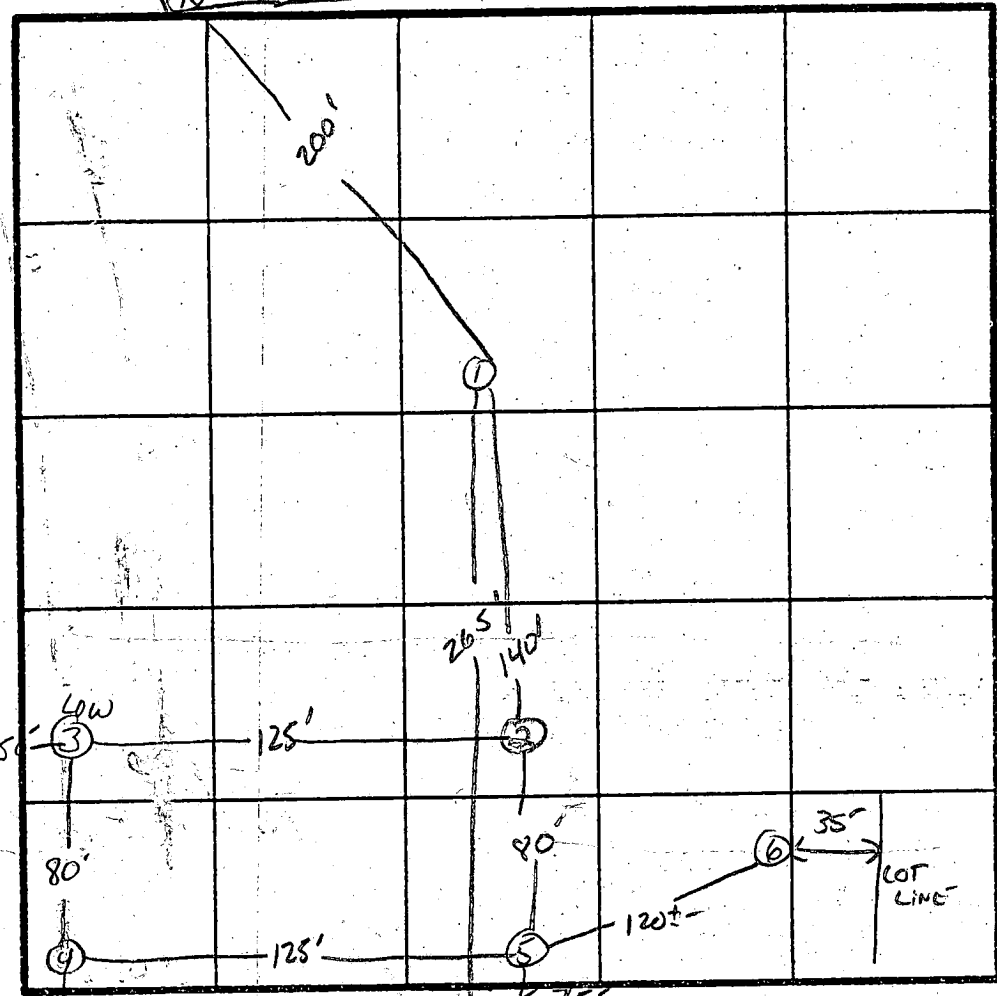
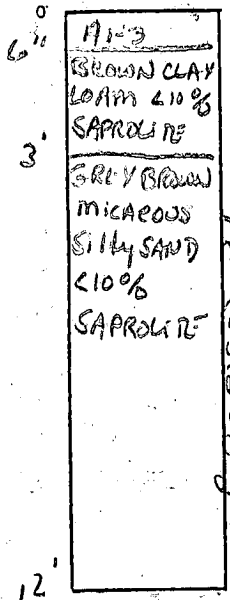
4-7-87 OK ROAD just Perc Field w/ new hole. S. Seal

BLDG. PERMIT SIGNED
AND RETURNED 4/30/87
BP11546 JAB

THIS IS NOT A PERMIT

⊗ CORR 14415

⑤
② ③ ④
SOIL PROFILE



̄ Perc
4min
180 φ / BL
INLET 3'
BOTTOM 5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
75' BRIGHTON DAM Rd. 75'

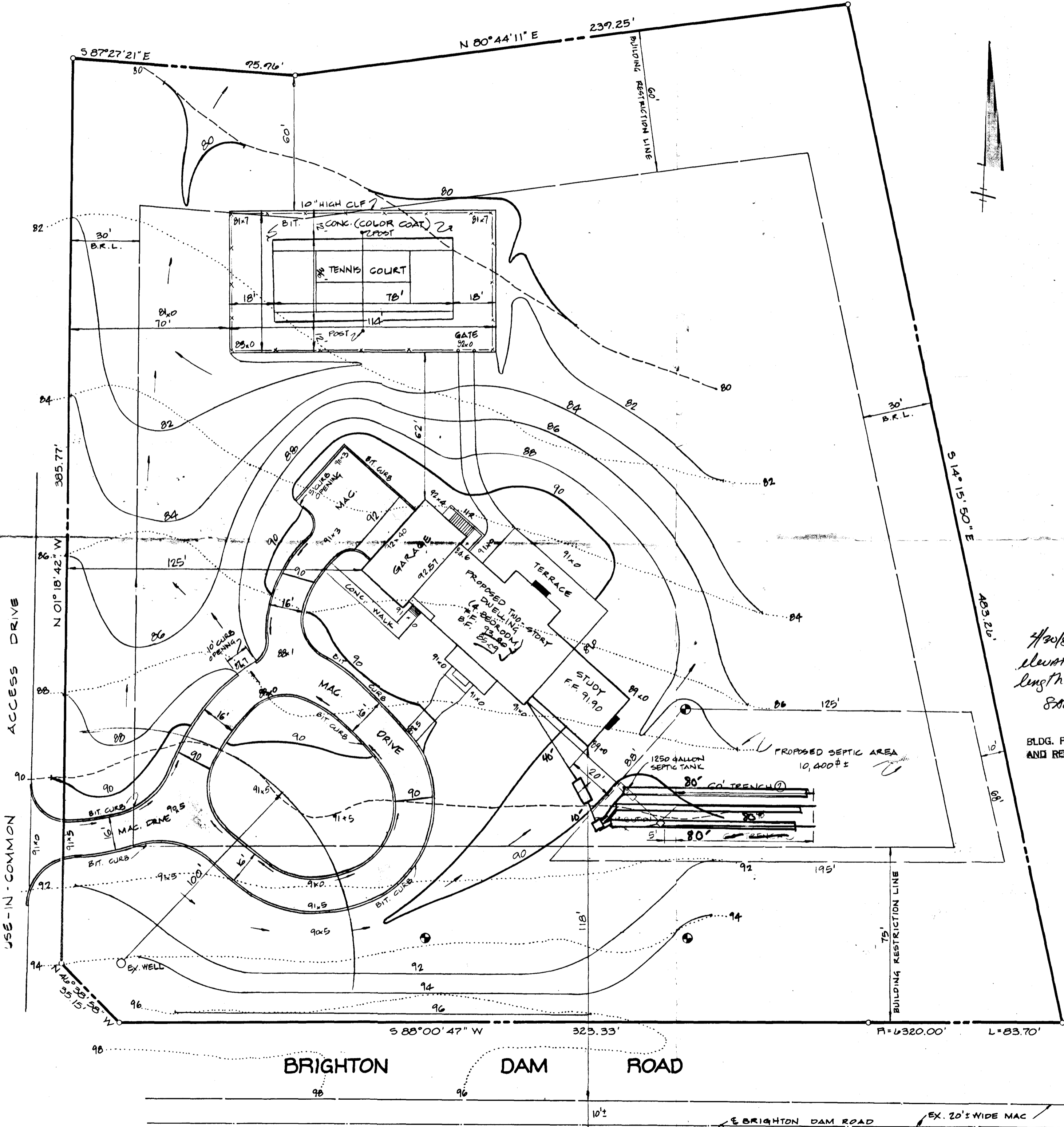
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/21/85	1V	WATER AT 7'	CLAY TO 6'	WITH SHALE	250%		
3/22/85	2S	2.5'	10:07	10:09	10:09	10:15	6min
	2V	12'	UNIFORM SOIL STRUCTURE Below 4'		DRY ALL NIGHT		
	3S	4'	9:57	10:00	10:00	10:05	5min
	3V	12.5'	WATER AT 12.5' UNIFORM SOIL Below 4'				
	4S	4'	9:58	10:00	10:00	10:02	2min
	4V	13'	UNIFORM SOIL STRUCTURE Below 4'				
	5S	3'	10:03	10:04	10:04	10:06	2min
	5V	12'	UNIFORM Below 4'				
4/7/86	6V	14'	UNIFORM Soil below 4'		DRY TO 14'		

REMARKS Changed perc. area, system first, need relocation of house and well site.

TYPE OF SOIL S. Abel

SKIP, LES, TERRY
ALSO PRESENT

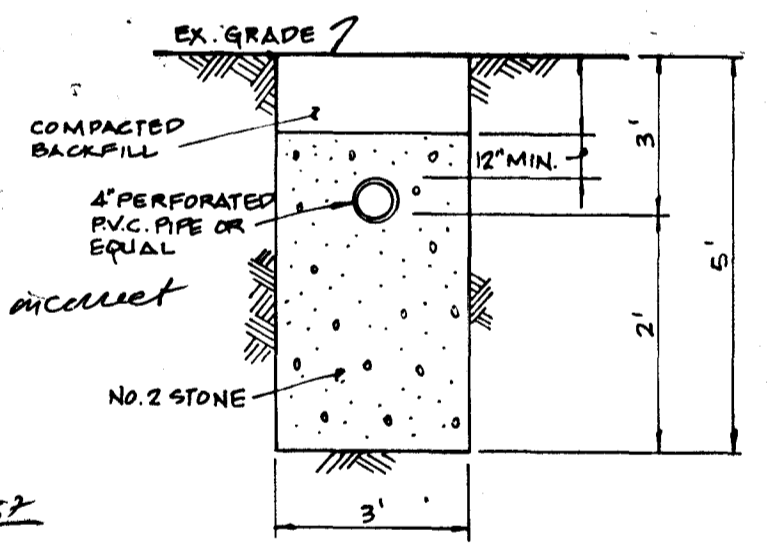
EH-12-1079



- SEPTIC SYSTEM DESIGN**
- INVERT & FOUNDATION WALL: 81.40 ✓ (CSMT)
 - 1250 GALLON SEPTIC TANK (4 BR)
EX. GRADE OVER TANK: 89.50 ✓
PROP. GRADE OVER TANK: 91.00 ✓
INVERT IN: 81.40 ✓
INVERT OUT: 81.15 ✓
 - DISTRIBUTION BOX (10 OUTLETS) ✓
EX. GRADE OVER BOX: 90.00 ✓
PROP. GRADE OVER BOX: 91.00 ✓
INVERT IN: 87.00 ✓
INVERT OUT: 87.00 ✓
 - TRENCH DESIGN (100 S.F./BEDROOM)
4 BEDROOMS X 100 S.F. = 720 S.F. REQUIRED
6 S.F. ÷ (3' WIDTH X 2.0 EFFECTIVE SIDEWALL) =
X 120 L.F. REQUIRED $720 \div 3 = 240 \text{ L.F. OF TRENCH}$
TRENCH ① = 60 L.F.
EX. GRADE OVER TRENCH: 90.00 ✓
PROP. GRADE OVER TRENCH: 90.00 ✓
INVERT OF 4" PERF. PIPE: 87.00 ✓
BOTTOM OF TRENCH: 85.00 ✓
TRENCH ② = 60 L.F.
EX. GRADE OVER TRENCH: 89.50 ✓
PROP. GRADE OVER TRENCH: 89.50 ✓
INVERT OF 4" PERF. PIPE: 86.50 ✓
BOTTOM OF TRENCH: 84.50 ✓
 - NOTE: FIRST FLOOR SERVICE ONLY. FOR BASEMENT, SERVICE SEWAGE EJECTOR PUMP IS REQUIRED. ✓
- ⊕ - DENOTES EX. PERCOLATION TEST PIT

#20187
Elevations or
length of trenches incorrect
SAB

BLDG. PERMIT SIGNED
AND RETURNED *9/20/87*
BP 11546
SAB



TRENCH DETAIL
NOT TO SCALE

Dewberry & Davis

Engineers
Architects
Planners
Surveyors

WATERFORD
SECTION 3 LOT 1
TAX MAP 34 PARCEL 261
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' MARCH, 1987

B 7 7602 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
HO-811-1985
fill in this form completely

Date Received

8 13

OWNER INFORMATION

WILLIAMS JEROME
15 Last Name Owner First Name 34

6660 DOBBIN RD
36 Street or RFD 55

COLUMBIA MD 21045
57 Town 70 State 72 Zip 76

DRILLER INFORMATION

George F. Easterday 40
Driller's Name 77 License No. 80

L. Franklin Easterday, Inc.
Firm Name
9265 Br. Ch. Rd., Mt. Airy, Md. 21771

George F. Easterday 2/10/87
Address Signature Date

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
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)

APPROXIMATE DEPTH OF WELL 200 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH
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
- other _____

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL
- PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) _____

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

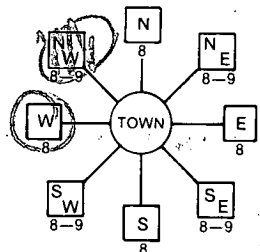
APPROP. PERMIT NUMBER _____ GAP _____

FORCE INITIALS PERMIT NO. HO-811-1985
67 68 IN BOX 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

B 3 LOCATION OF WELL 840.00
HOWARD 8 COUNTY LOANERFORD
MONTICLON ESTATES
SECTION 3 LOT 1A
CLARKSVILLE
MILES FROM TOWN (enter 0 if in town) _____ MI

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



1300 BRIGHTON DAM
NEAR WHAT ROAD



50 FT
DISTANCE FROM ROAD
ENTER FT or MI

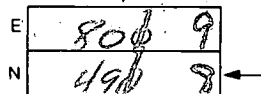
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD A35011
COUNTY NAME COUNTY NO.
OEP SIGNATURE STATE HEALTH INSERT S
DATE ISSUED 032087 B Nijon 09/20/87
CO SIGNATURE EXP. DATE
NORTH GRID 498000 EAST GRID 0809000

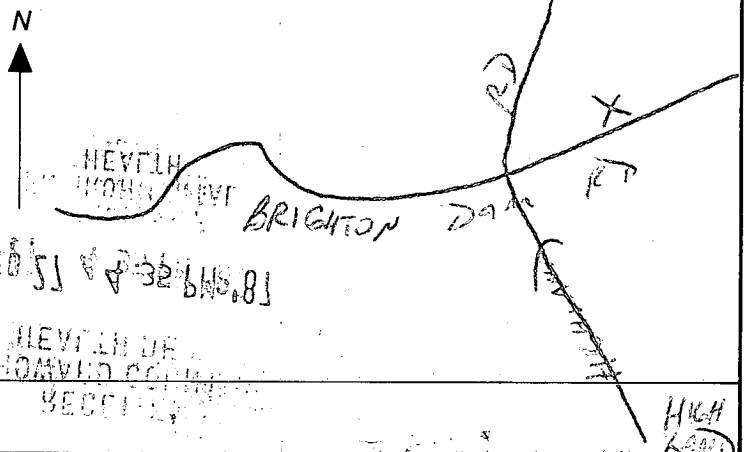
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. WELL
2.
3.

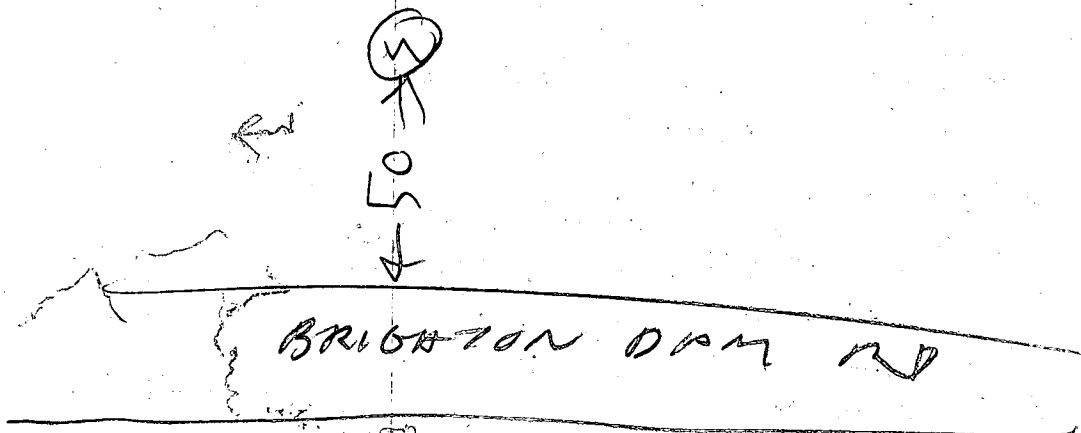
4/9/87
WELL GROUT
OK
SEE OTHER SIDE
RIA

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





4/9/87

- ① VISITED SITE 1200-100 FOR LUNCH
DRILLING TRUCK THERE BUT NO ONE
SHOWED LOCATION WELL OK
- ② RETURNED 232 WELL GROUT
UNDERWAY DOUBLE CASING USED
30 FT OPEN HOLE USING DOUBLE CASING
- ③ 142 CASING USED
- ④ 38 BAGS USED LEFT AT 302
FOR ANOTHER JOB SEPTIC INSPECTION

DIVISION OF
 ENVIRONMENTAL
 HEALTH
 FEB 27 4 35 PM '87

RECEIVED
 HOWARD COUNTY
 HEALTH DEPT.
 PRESENT FRANK BA...

C1 2318
 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-35011**

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **040687** Depth of Well 22 **160** 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **WQ-81-1985**

OWNER **WILLIAMS** **TERONE**
 STREET OR RFD **13100 BRIGHTON DAM ROAD** TOWN **CLARKSVILLE**
 SUBDIVISION **HUNTINGTON ESTATES** SECTION **3** LOT **1**

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	1	
Br. mica	1	141	<input checked="" type="checkbox"/>
Blue mica	141	144	
CLAY	144	150	
BR. mica			
LORAY mica	150	160	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **32** NO. OF POUNDS **3200**
 GALLONS OF WATER **100**
 DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **30** 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 **ST** Nominal diameter (nearest inch) **16** Total depth of main casing (nearest foot) **140**

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

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

C2

EACH SCREEN	DEPTH (nearest ft.)		
	1	2	3
1	140	142	140
2	[]	[]	[]
3	[]	[]	[]

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

CIRCLE APPROPRIATE LETTER
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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. **40**
 DRILLERS SIGNATURE *[Signature]*
 (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) *[Signature]*

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 (E.R.O.S.) WQ
 70 72 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **12**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **25**
 WHEN PUMPING **40**
 TYPE OF PUMP USED (for test)
A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
J jet **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 (to nearest gallon) [] [] [] [] 31 35
 PUMP HORSE POWER [] [] [] [] 37 41
 PUMP COLUMN LENGTH (nearest ft.) [] [] [] [] 43 47
 CASING HEIGHT (circle appropriate box and enter casing height)
 above } LAND SURFACE (nearest foot)
 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)

