

Tax ID - 05-414679

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

# INDEXED

P 58460

A 43078

DISTRICT 5th

DATE 5/16/97

DATE SYSTEM APPROVED 10/10/97

INSPECTOR M. Ripkin

5-27-97  
12:00 C.O.  
5-28-97  
1pm C.O.

10/10/97  
pump test  
10AM

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

XXXXXXXXXX 313-2640

J. Joseph Gartland

IS PERMITTED TO INSTALL X ALTER

ADDRESS 1833 West Old Liberty Road, Westminster, Maryland PHONE 410-875-2400

SUBDIVISION Brierly LOT 7 ROAD 138<sup>3</sup>7 Russell Zepp Drive

PROPERTY OWNER Dr. and Mrs. Richard Kirby

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

**\*\*\*PUMP SYSTEM ONLY\*\*\***

NUMBER OF BEDROOMS 4

Install: 1-~~1000~~<sup>1250</sup> Gal. Pump Chambers with single/  
Dual Effluent Pumps with Controls and  
Alarms. Contractor to supply pump  
detail prior to issuance of septic  
permit.

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 4 feet below original grade. 3 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 225.00' and the 191.91' lot lines, begin trenches 165 feet down the 191.91' lot line and 70 feet off that same lot line. Run trenches along contour lines in both directions.

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

OK KM 3/5/97

PLANS APPROVED BY Donna K. Soe/Amy McMillen

REVISED DATE 03/05/97

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.

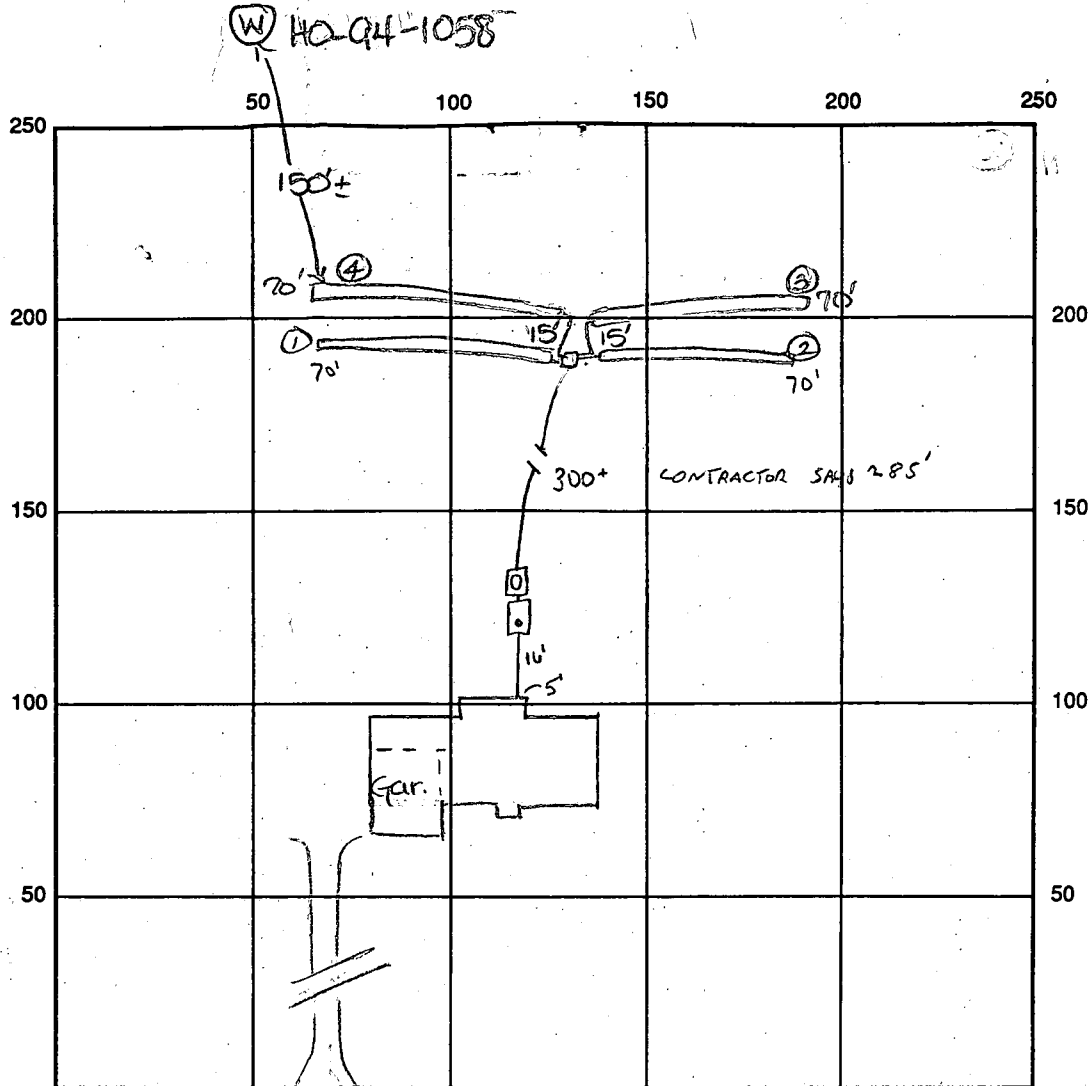
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

HD-260(6-90)

CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A  
43078



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Russell Zepp Drive

SEPTIC TANK LEVEL OK, 1250 gallons, 1250 gal CLEANOUTS 1 on tank, manhole on pump chamber

DISTRIBUTION BOX LEVEL OK LEVELED IN pump pit

DRAIN FIELD/TITLE DEPTH 7.0 FT. TRENCH WIDTH 2.0 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 3 FT. TOTAL LENGTH 4x70 FT. → 280

NUMBER OF TRENCHES 4 ONE SIDEWALL BOTTOM AREA 840 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 5-22-97 OK to continue, leaving ends of first two trenches open  
house connection made, KM

WPI OK to cover well line P.A. 4' below grade, casing 2.0' above grade,  
has a 2 piece watertight cap KM 5/27/97 OK to cover 1st two trenches  
and stone 2nd two trenches. OK to continue work. DKS

5/28/97 OK to cover two two trenches. PUMP TEST REQUIRED FOR FINAL, JB

DATE SYSTEM APPROVED 10/10/97 INSPECTOR M. Rifkin

10/10/97 PUMP + ALARM OK (MR)

# APPLICATION

PERCOLATION TESTING

A 43078  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 5TH  
DATE 9-20-88

5-8-89  
Retest

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER RUSSELL ZEPP Dr. + Mrs. Richard Kirby

ADDRESS 13790 HIGHLAND RD PHONE 854-2797

PROSPECTIVE BUYER HENRY L. BLEVINS

ADDRESS 3600 WATERSVILLE RD PHONE 795-2337  
MT. AIRY, MD 21771

PROPERTY LOCATION:

SUBDIVISION ZEPP SUBDIVISION LOT NO. 7

ROAD AND DESCRIPTION HIGHLAND ROAD HOWARD CO

ZIP: 21029 (13837 Russell Zepp Drive) **BLDG. PERMIT SIGNED**

TAX MAP 34 PARCEL # 7 **AND RETURNED** 5/4/92  
Serial # B0104033-46m2

SIZE OF LOT 4.02 TYPE BLDG. SINGLE FAMILY  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

[Signature]  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 5-8-89- Reguc Schiefelbusch - hold for plat. 8th

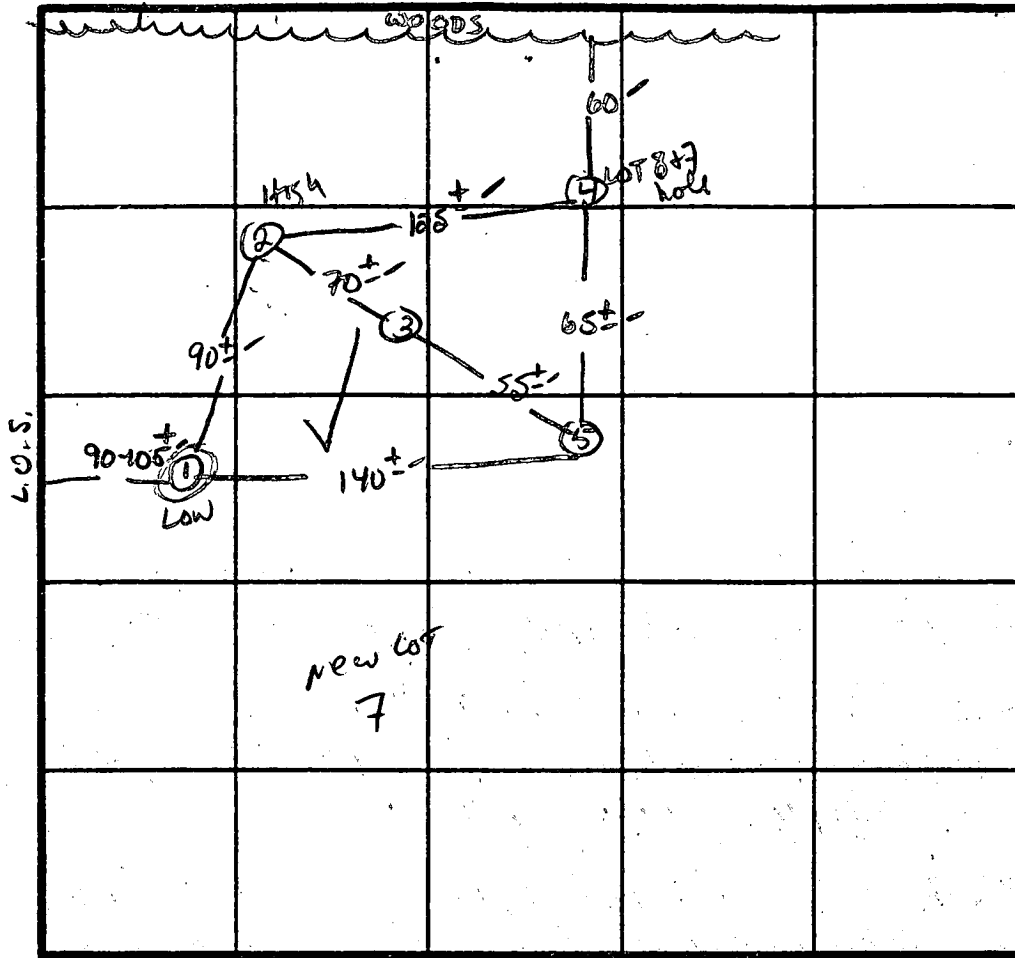
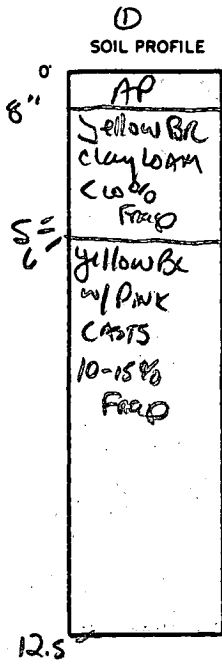
**BLDG. PERMIT SIGNED**  
**AND RETURNED** 9-24-92

Serial # B0108009  
inst. undgt per person/lot

# THIS IS NOT A PERMIT

HD-216

A-43078



X = 10  
210  
INLET 4  
BOTTOM 7

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Highland Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
5/8/89	1S	5.5- 12.5-	10:44 → As profiled - Clay 10 5-6"	11:01 →	~ 1/2" movement		
	2S	6.0- 12.5-	10:47 Similar to #1	10:48	10:48	10:51	3 MIN
	3S	4.0- 13-	10:50 Similar to #1 w/ 4.0' clay	10:52	10:52	10:56	4 MIN
	5S	4.5- 12-	10:53 Clay to 4 5" - Similar to #3	10:57	10:57	11:04	7 MIN
	4S	4.0- 12.5-	10:59 Similar to #3 + 5	11:02	11:02	11:18	16 MIN
	1S1	6.5	11:05	11:09	11:09	11:15	6 MIN

REMARKS Holes slightly diff than PAST # 1 & 2; OTHER SAME

TYPE OF SOIL Chertea

TESTED BY S. Abel ALSO PRESENT \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A 43078

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 5TH

DATE 9-20-88

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER RUSSELL ZEPP

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PROSPECTIVE BUYER HENRY L. BLEVINS

ADDRESS 3600 WATERSVILLE RD PHONE 795-2337  
MT. AIRY, MD. 21771

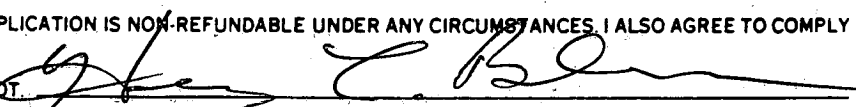
PROPERTY LOCATION:  
SUBDIVISION ZEPP SUBDIVISION LOT NO. 7

ROAD AND DESCRIPTION HIGHLAND ROAD HOWARD CO  
ZIP: 21029

TAX MAP 34 PARCEL # 7

SIZE OF LOT 4.02 TYPE BLDG. SINGLE FAMILY  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING PERC UNSAT, HOLD FOR FURTHER TESTS

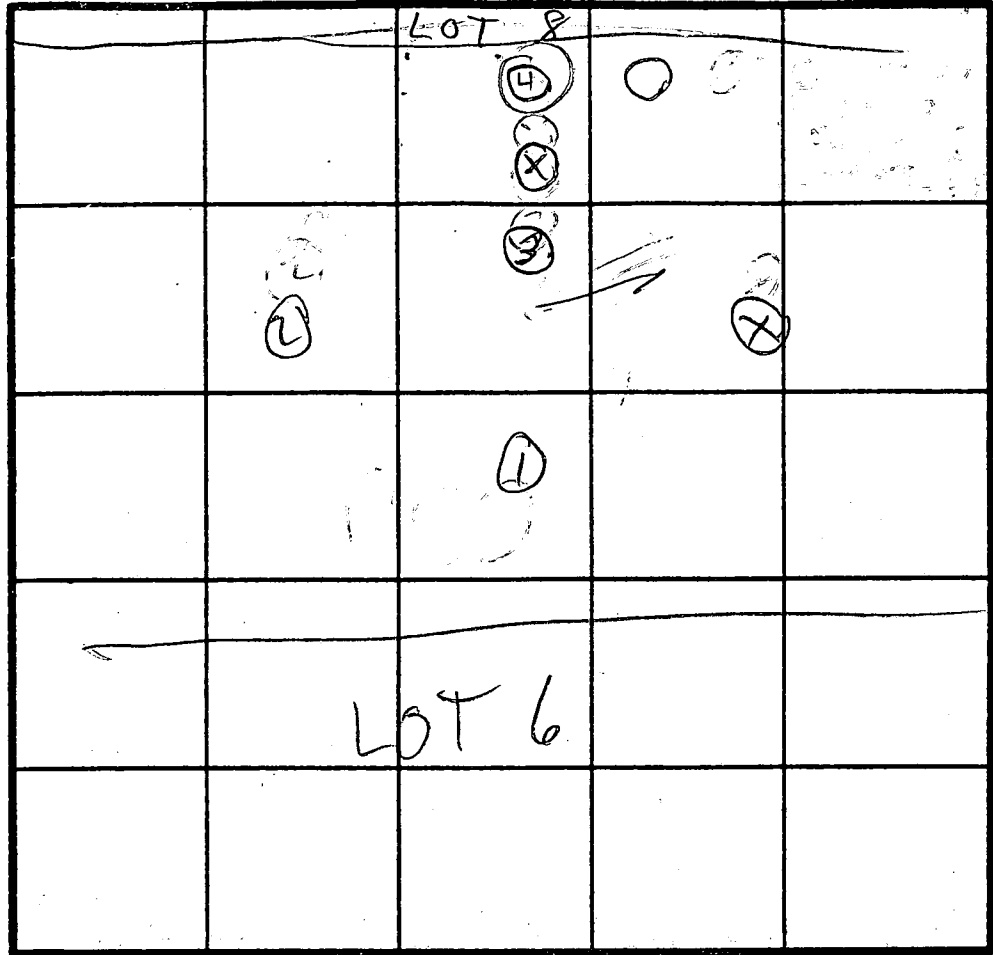
HD-216

# THIS IS NOT A PERMIT

LOT 7  
A-43078

②  
SOIL PROFILE

6" topsoil  
pink to yellow to orange clay loam some silt <10% frags



Ⓟ = STAKED BUT NOT DUG

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

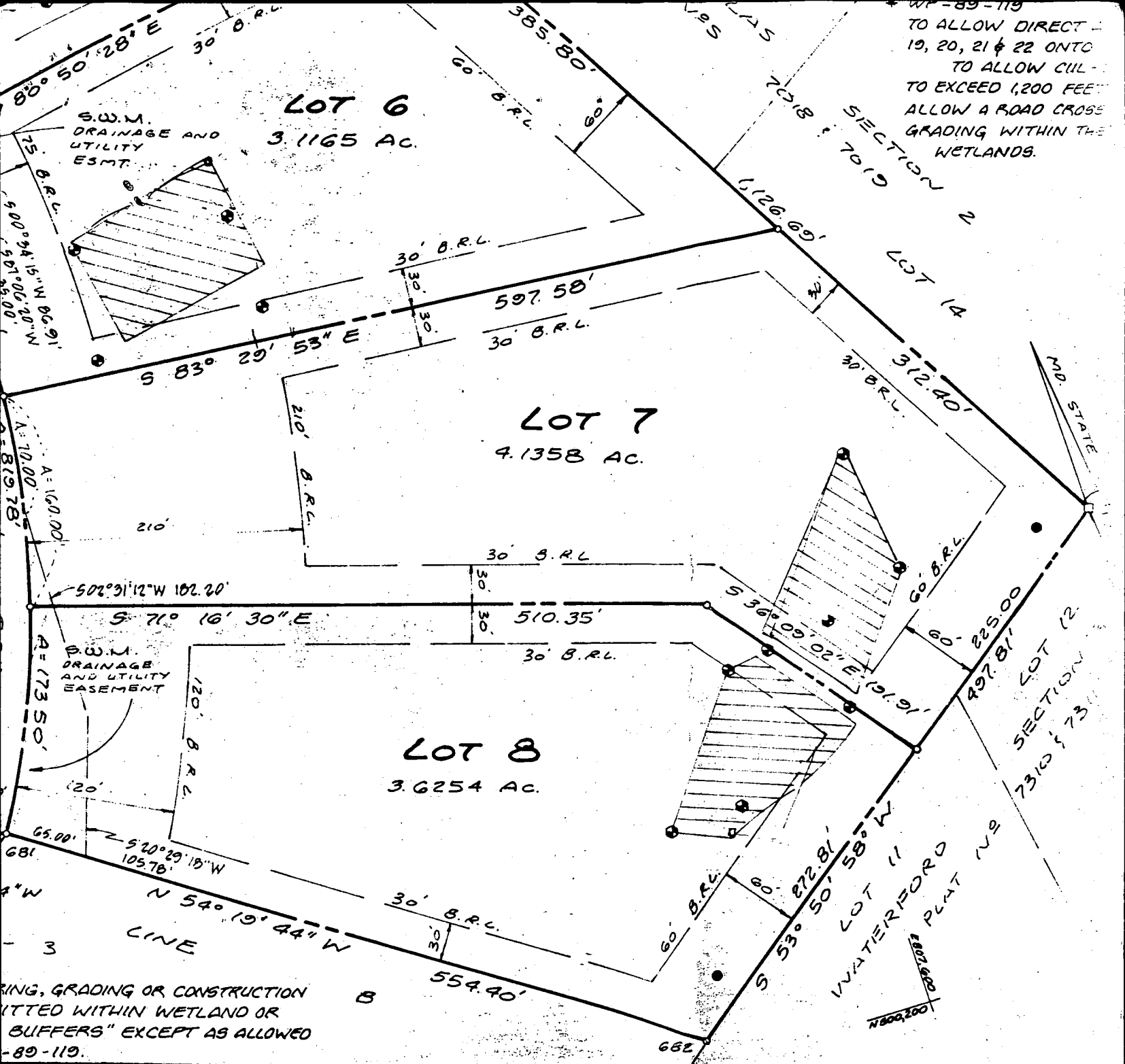
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/2/89	1	12'	yellow		to dk. org. clay loam		<10% frags
	2	11'					
	3	9 1/2'	yellow		to dk. org. clay loam		40% frags
	④		12:42		<u>NOT MOVING</u>		

AREA AVAIL

REMARKS FOR HOLES ① & ② DUG PER PLAT, ③ MOVED 30' UP HILL FURTHER TESTING

TYPE OF SOIL \_\_\_\_\_  
TESTED BY M. Ripkin ALSO PRESENT \_\_\_\_\_





TO ALLOW DIRECT  
 19, 20, 21 & 22 ONTO  
 TO ALLOW CUL-  
 TO EXCEED 1,200 FEET  
 ALLOW A ROAD CROSS  
 GRADING WITHIN THE  
 WETLANDS.

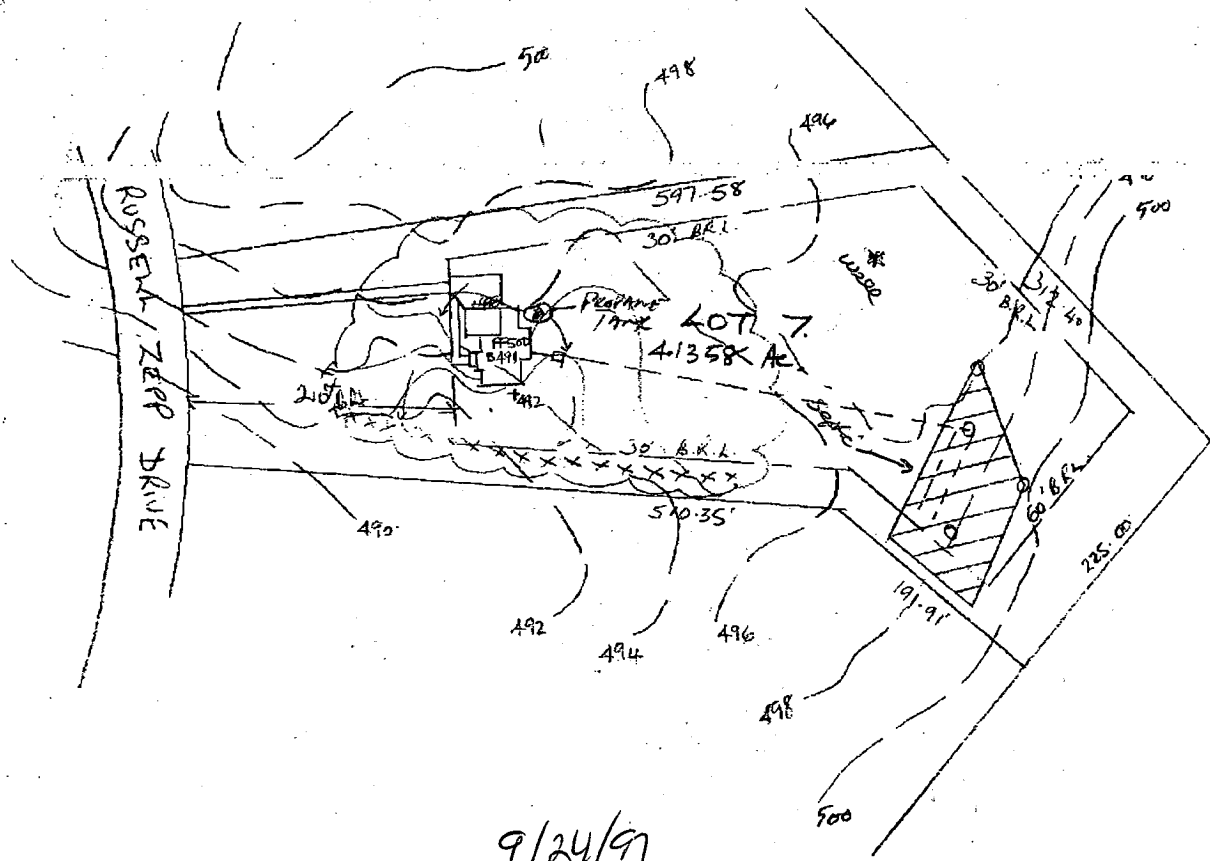
URING, GRADING OR CONSTRUCTION  
 ITTED WITHIN WETLAND OR  
 BUFFERS" EXCEPT AS ALLOWED  
 -89-119.

ASSOCIATES A MARY-  
 E PROPERTY SHOWN  
 DIVISION, AND IN CONSIDERATION  
 LANNING AND ZONING,  
 S AND GRANT UNTO HOWARD  
 ) THE RIGHT TO LAY CONSTRUCT  
 HER MUNICIPAL UTILITIES AND  
 HT OF WAYS AND THE SPECIFIC  
 QUIRE DEDICATION FOR PUBLIC  
 DD PLAINS AND OPEN SPACE  
 LE CONSIDERATION, HEREBY  
 QUIRE THE FEE SIMPLE TITLE  
 PLAINS, STORM DRAINAGE  
 RIGHT TO REQUIRE DEDICATION  
 SPECIFIC PURPOSE OF THEIR  
 NO BUILDINGS OR SIMILAR  
 VER THE SAID EASEMENTS

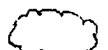
**SURVEYORS CERTIFICATION**

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LAND CONVEYED BY HENRY L. BLEVINS, INC. A MARYLAND CORPORATION TO CLARKSVILLE ASSOCIATES, A MARYLAND GENERAL PARTNERSHIP BY DEED DATED APRIL 16, 1990 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 2155 AT FOLIO 588 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

DATE 9/21/89

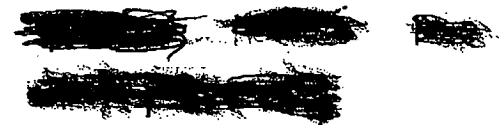


301 829 5394

SILT FENCE XXXXX  
L.O.D. 

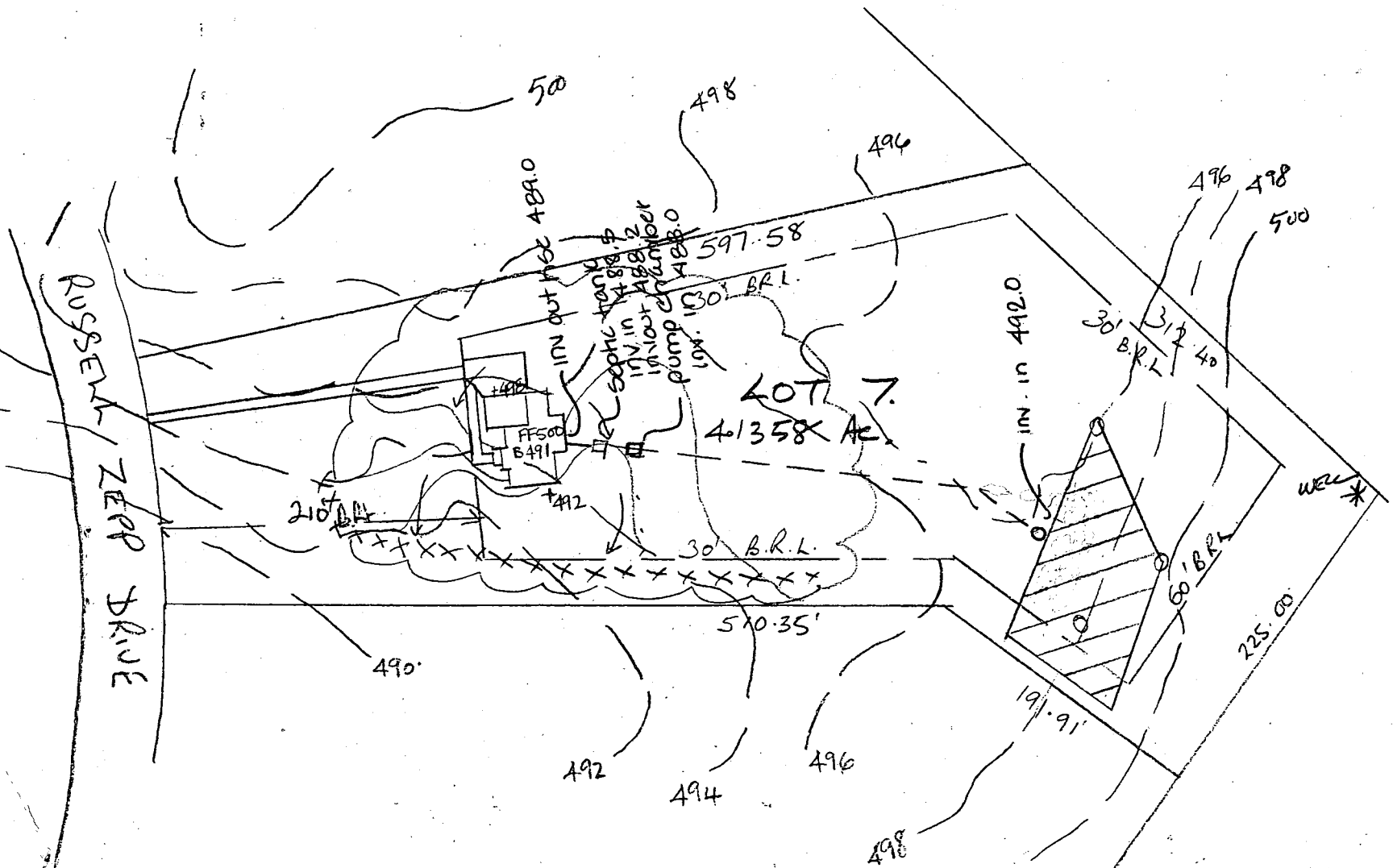
ZEPP SUBDIVISION  
9<sup>th</sup> ELECTION DISTRICT  
TAX MAP 34 PARCEL 7.

KIRBY RESIDENCE  
LOT 7 BRIERLY  
SCALE 1"=100'



F.F 500  
B. 491

9/24/97  
UP TANK PROPOSAL  
OK AS SHOWN  
*[Signature]*



SILT FENCE xxxxx  
L.O.D. ☁

ZEPPE SUBDIVISION  
9th ELECTION DISTRICT  
TAX MAP 34 PARCEL 7.

KIRBY RESIDENCE  
LOT 7 BRIERLY  
SCALE 1"=100'  
DAVIES HOMES IWC  
A10-750-0007

- \* Pumped septic system - no elevations necessary
- \* Invert into trenches to be 4' below original grade

Approved Septic System Plan  
Howard County Health Department

Amy McMill 3/4/97  
Signature Date

F.F. 500  
B. A91

B 1 3149 SEQUENCE NO. (MDE USE ONLY)  
1 2 3 6  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

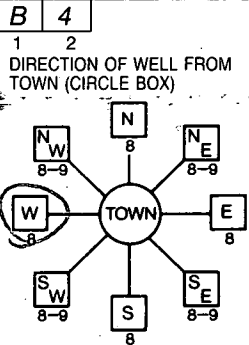
STATE OF MARYLAND  
PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER  
HO-94-1058  
70 fill in this form completely 79

Date Received (APA) 1/31/97  
8 MM DD YY 13  
OWNER INFORMATION  
15 Last Name First Name 34  
Davies Homes  
10176 Balto National Pike  
36 Street or RFD 55  
Ellicott City MD 21043  
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
8 COUNTY Howard 21  
23 SUBDIVISION Brierly 42  
SECTION 44 46 LOT 7 48 50  
Clarksville  
52 NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) 2 M I 73 76 77 78

DRILLER INFORMATION  
Paul M. Fabiszak M W D 3 9 9  
Driller's Name 76 License No. 81  
G. Edgar Harr Sosn' Corp  
Firm Name  
12047 Falls Rd Cockeysville 21030  
Address  
Signature Date 1/28/97



Russell Zapp Drive  
11 NEAR WHAT ROAD 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH N  
WEST WEST EAST EAST  
SOUTH S  
34 100 37  
DISTANCE FROM ROAD ENTER FT OR MI 38 39  
TAX MAP: BLK: PARCEL

B 2 WELL INFORMATION  
1 2  
APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 14 20

NOT TO BE FILLED IN BY DRILLER  
HEALTH DEPARTMENT APPROVAL  
Howard A43078  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S  
DATE ISSUED 2/12/97 Kim Maisto 2/13/98  
43 MM DD YY 48 CO SIGNATURE EXP. DATE  
NORTH GRID 500000 EAST GRID 808000  
50 55 57 63

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

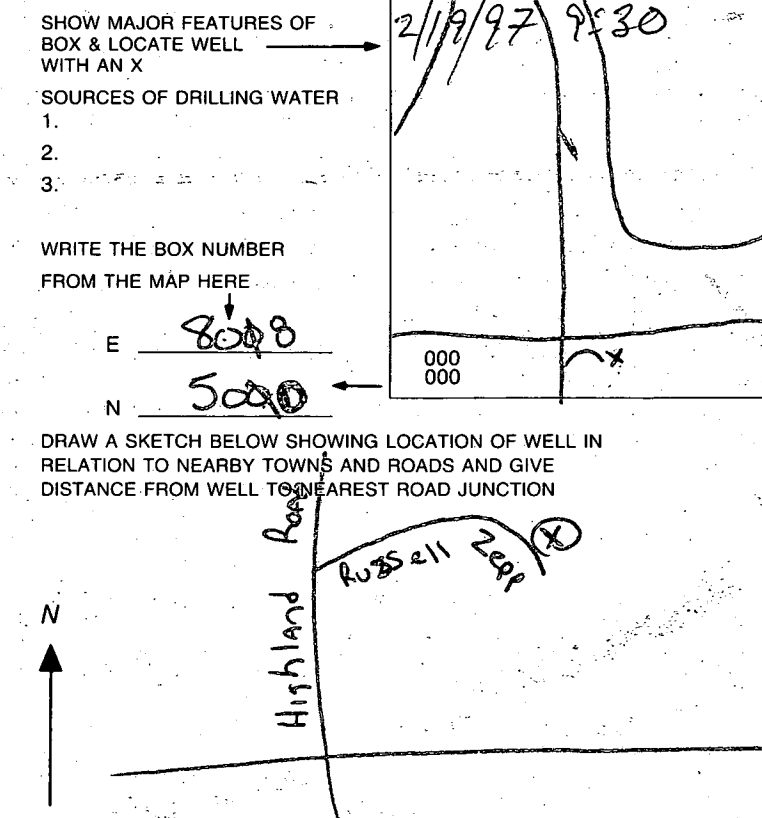
APPROXIMATE DEPTH OF WELL 250 FEET  
24 28  
APPROXIMATE DIAMETER OF WELL 6 INCH  
NEAREST INCH

METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)  
37 CABLE REVerse-ROTARY Drive-POINT  
other

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  
39  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A-STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 THIS WELL WILL DEEPEM AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)  
APPROP. PERMIT NUMBER G A P 54 63  
WRITE INITIALS IN BOX PERMIT No. HO-94-1058  
FORCE Km 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS  
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -



C 1 6572 SEQUENCE NO. (MDE 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 A43078

ST/CO USE ONLY DATE RECEIVED 3/5/97

DATE WELL COMPLETED MM 2 DD 25 YY 97

Depth of Well 22 200 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1058

OWNER Davies Homes last name STREET OR RFD Russell Zepp Drive first name TOWN Clarksville SUBDIVISION Brierly SECTION LOT 7

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. Includes entries for Overburden, Soft Shale, Gray Rock, and water encountered at 175'.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 23 NO. OF POUNDS 2300 GALLONS OF WATER 138 DEPTH OF GROUT SEAL (to nearest foot) from 0 TOP 52 ft. to 84 BOTTOM 58 ft.

CASING RECORD

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 61 Total depth of main casing (nearest foot) 84 70

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

SCREEN RECORD

screen type or open hole (insert appropriate code below) ST BR HO PL OT

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, C, R, E, N and rows for depth intervals (8-11, 15-17, 23-24, 30-32, 38-39, 45-47, 51-53, 56-60, 68-70).

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 13.0 METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 28 WHEN PUMPING 34 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) YES IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 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 - below (nearest foot) 50 51

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)

NA

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES Y NO N

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 26.04.04 "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 LIC. NO. M D SIGNATURE Robert Brown LIC. NO. JS 052 M D

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