

Tax ID - 04-330498

1/20/00
0000

PERMIT

SEWAGE DISPOSAL SYSTEM

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P5/4217

A 48032

ISSUE DATE 8/30/2000

APPROVAL DATE 9/29/00

INDEXED

D & W Excavating Contractors, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 3033 Salem Bottom Road, Westminster, MD 21157 PHONE 410-875-2195

SUBDIVISION Poplar Heights LOT NUMBER 5 & 6 ADDRESS 17019 Frederick Road

PROPERTY OWNER ~~Zaru Investments Inc.~~ ^{HEATHER McHALL} PROPERTY OWNER'S ADDRESS 3159 Smart Heiress Drive

SEPTIC TANK CAPACITY 1250 ^{Donald Mehal} GALLONS Mt. Airy, MD 21771

PUMP CHAMBER CAPACITY N/A GALLONS *** TOP SEAMED SEPTIC TANK REQUIRED ***

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES: Trenches to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Place the distribution box 140 feet down the right lot line and 10 feet off that same lot line. Run trenches on contour to left side of lot. 5/8/00 OKAL

PLANS APPROVED Mark E. Rifkin DATE 4-25-00

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

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

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

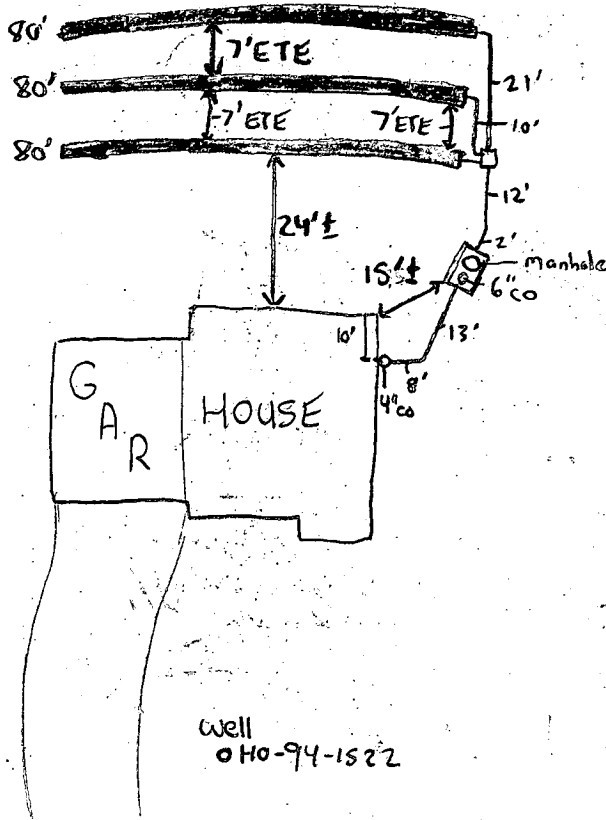
NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

OUR TERMS
8/16/01
300132022
deck

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

A 48032

NOT TO SCALE



RT 144 FREDERICK ROAD

TRENCH DATA

TRENCH WIDTH 3'
 TRENCH INLET DEPTH 3'
 TRENCH BOTTOM DEPTH 5'
 DEPTH OF STONE 2'
 NUMBER OF TRENCHES 1
 TOTAL TRENCH LENGTH 24'
 ABSORBENT AREA 42
 DISTRIBUTION BOX LEVEL
 BAFFLE IN DISTRIBUTION BOX

SEPTIC TANK DATA

SEPTIC TANK 1250 T.S. GALLONS
 BAFFLES IN 1
 MANHOLE RISER
 6 INCH INSPECTION PORT

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS N/A
 MANHOLE RISER N/A
 ALARM N/A
 PUMP PERFORMANCE TEST N/A

PRE-CONSTRUCTION INSPECTION: 9/20/00 - TANK APPROVED & SET, SEPTIC AREA STAKED
KEEP TRENCHES 7' ETE TO CONSERVE SEPTIC AREA, OK TO BESTM WORK (SRK)

INSPECTION COMMENTS: 9/20/00 - OK TO CONTINUE WORK (SRK)
9/29/00 - OK TO COVER ALL WORK (SRK)

INSPECTOR

Steven R. Krieg

DATE SYSTEM APPROVED

9/29/00

APPLICATION

LOTS 5 & 6

PERCOLATION TESTING

A 48032

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
PO BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

*PERCOLATION OK -
TAX MAP SHOWS SINGLE PARCEL
BUT APPLICANT HOLDS DEED AND
CURRENT TAX BILL
FOR SIX SEPARATE LOTS,
(CW)*

DISTRICT 04

DATE 4/14/92

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 George LANIADO

ADDRESS 17035 Frederick Rd.
MT. AIRY Md. 21771 PHONE 301 829-0072

PROSPECTIVE BUYER _____

ADDRESS None PHONE _____

PROPERTY LOCATION:

SUBDIVISION Poplar Heights Subdivision LOT NO. 5 & 6

ROAD AND DESCRIPTION RT 144 SWS

TAX MAP 7 PARCEL # 14

SIZE OF LOT _____ 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.

George Laniado
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS PLAT REVIEW William DATE 4/15/92

REASONS FOR REJECTION OR HOLDING PLAT REVIEW REQUIRED - LIKELY LESS THAN 10000 SQ FT ESTABLISHED.

HD-216

THIS IS NOT A PERMIT

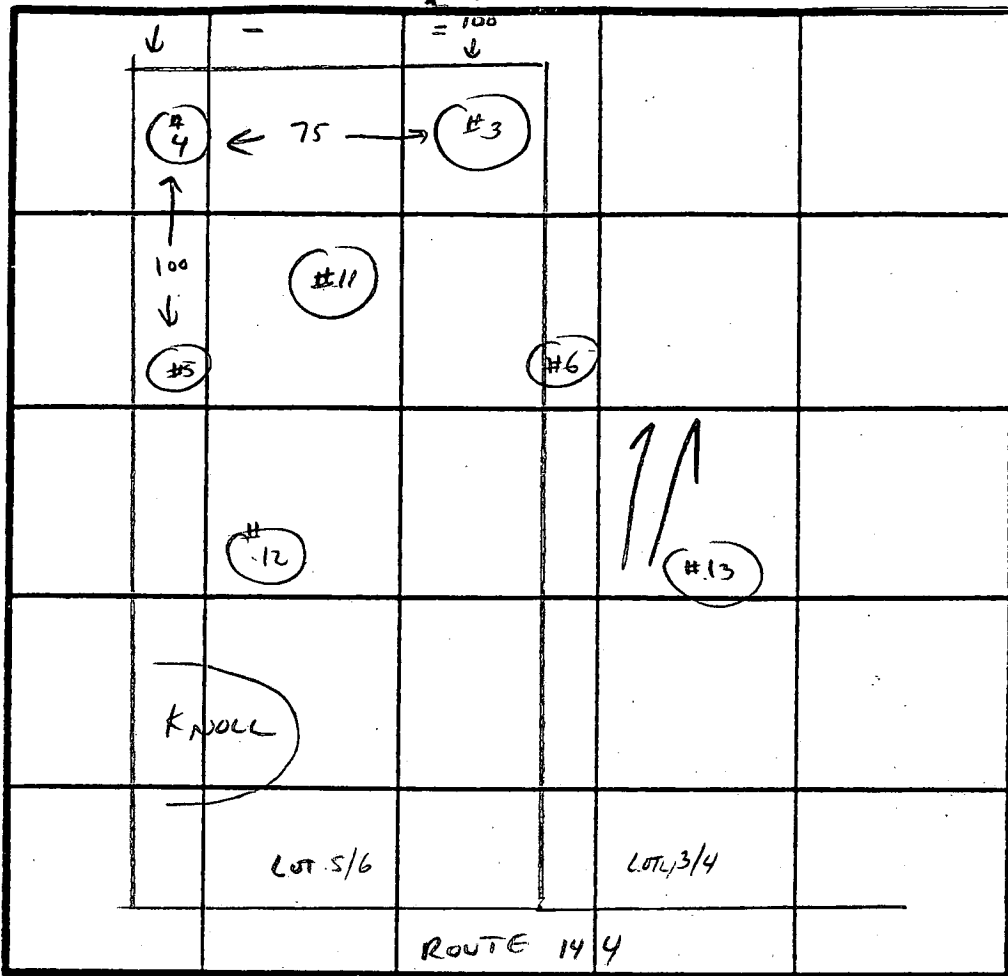
A48032

12/16

DAY STRONG B6D

≈ 125

↑ = 100 ↓



FAIL-ROCK
TEST #3/#4

CLAY
3 - SILT LOAM w/ 20-30% SAPPAOLITE
7 - 50-70% SHALE
12 - HAND BOTTOM

#11

3-3 1/2' CLAY
SILT LOAM
10-30% SAPPAOLITE
12 - HAND BOTTOM

#5 & #6 SOIL PROFILE

CLAY
3 - SILT LOAM w/ 10-15% SAPPAOLITE
7 - LOAM w

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME		
			START	STOP	START	STOP			
4/8/92	X 3	3' 7'	UNABLE TO 2ND POUR	TEST - HOLE COLLAPSED - SOIL WAS SHING OUT	11:14	11:14:20	11:14:20	11:14:30	FROM ROCK FRAGMENTS 30 SEC X - FAST/ROCK
	X 4	3' 7'	(12' BOTTOM) BOTH HOLES	11:17 11:16	11:19 11:16:30	11:19 11:16:30	11:24 11:17:10	5 MIN 40 SEC	X - FAST/ROCK
	✓ 11	3' 7 1/2'	2:38 2:34	SLOW - VIS OK AT	2:35	2:35	2:37	2 MIN	(OK)
		12'	VIS OK	APPROACHING 30% SAPPAOLITE				TOWARD BOTTOM	
	✓ 5	3' 7'	11:25 11:26	11:28 11:27	11:28 11:27	11:31 11:28:45		3 MIN 12 MIN	(OK)
		12'	VIS OK	APPROACHING 40% SAPPAOLITE TOWARD BOTTOM					
	✓ 6	3' 7'	11:34 11:34	11:36 11:36	11:36 11:36	11:43 11:44		7 MIN 8 MIN	(OK)
		12'	SIMILAR TO #5	- 20-40% SAPPAOLITE BELOW					
	✓ 12	3' 7 1/2'	3:00 2:57:50	3:09 2:58:05	3:09 2:58:05	3:31 2:58:45		21 MIN 40 SEC	(OK)
		7 1/2' 12'	3:05:20 VIS OK	3:11 10-20% SAPPAOLITE	3:11	3:21		10 MIN	

X 13 - OFF LOT SEE A48031 - LOT 3/4 - ROCKY - FAST TIMES - FAIL X

REMARKS HOLES 5-6-11-12 OK SHALLOW HOLES 3-4-13(OFF LOT) FAIL-ROCK
LIKELY LESS THAN 10,000 ESTABLISHED. REVIEW PLAT CAREFULLY

TYPE OF SOIL SOILS MAP UNIT - CEC3 CHESTER

TESTED BY C. Willie

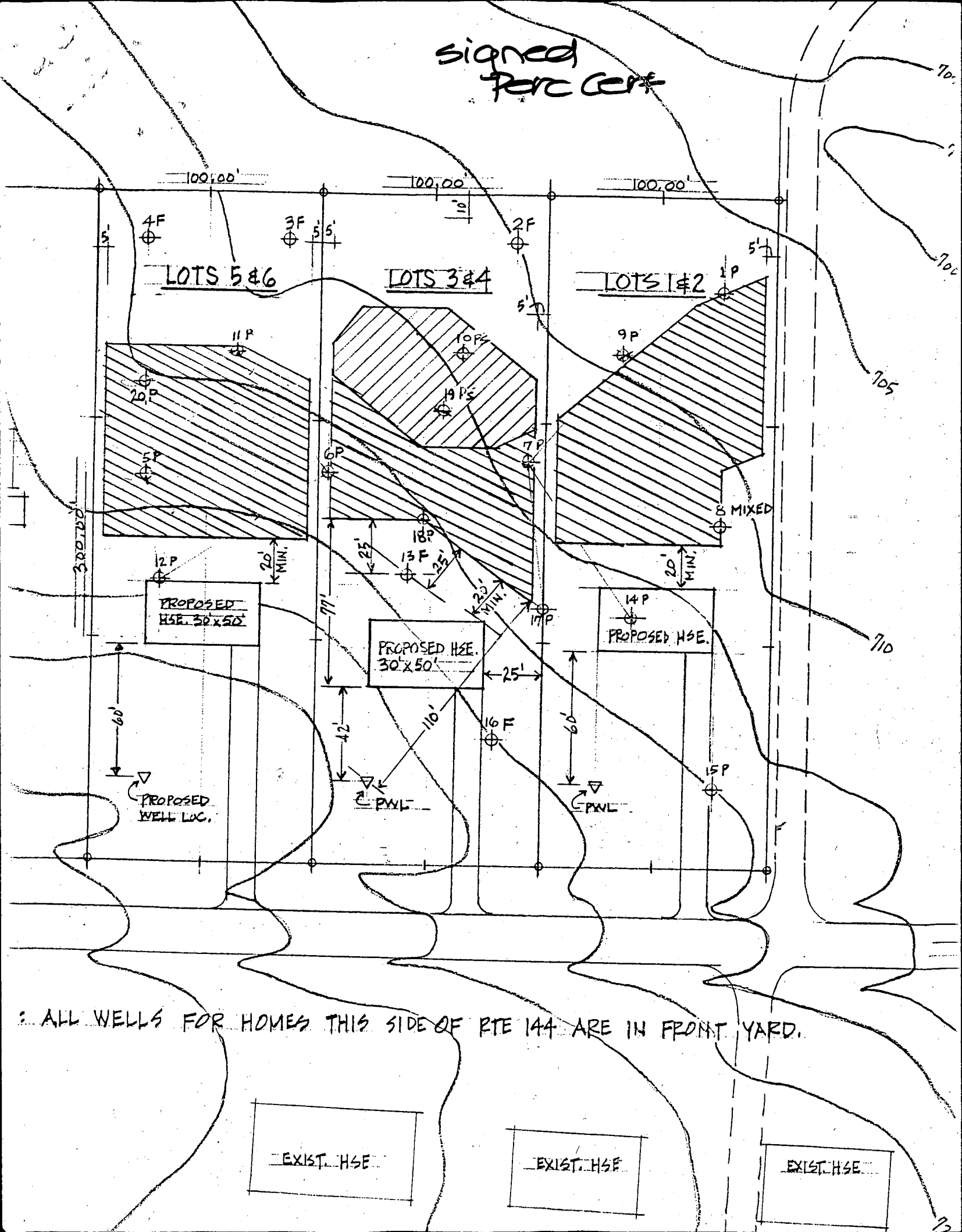
ALSO PRESENT G. LANFADO
K. ALLEN

ODDITY,
SANDY PACKET,
AND ROCK
RETEST
2' AWAY OK

#12
CLAY
3 - MICA LOAM
10-20% SAPPAOLITE
12 - HAND BOTTOM

#13
CLAY
3 - MICA LOAM
20-30% SHALE
6 - 60-70% SHALE
10 - HAND BOTTOM

Signed
Per Cere



LOTS 5 & 6

LOTS 3 & 4

LOTS 1 & 2

PROPOSED HSE. 30' x 50'

PROPOSED HSE. 30' x 50'

PROPOSED HSE.

PROPOSED WELL LOC.

PWL

PWL

EXIST. HSE

EXIST. HSE

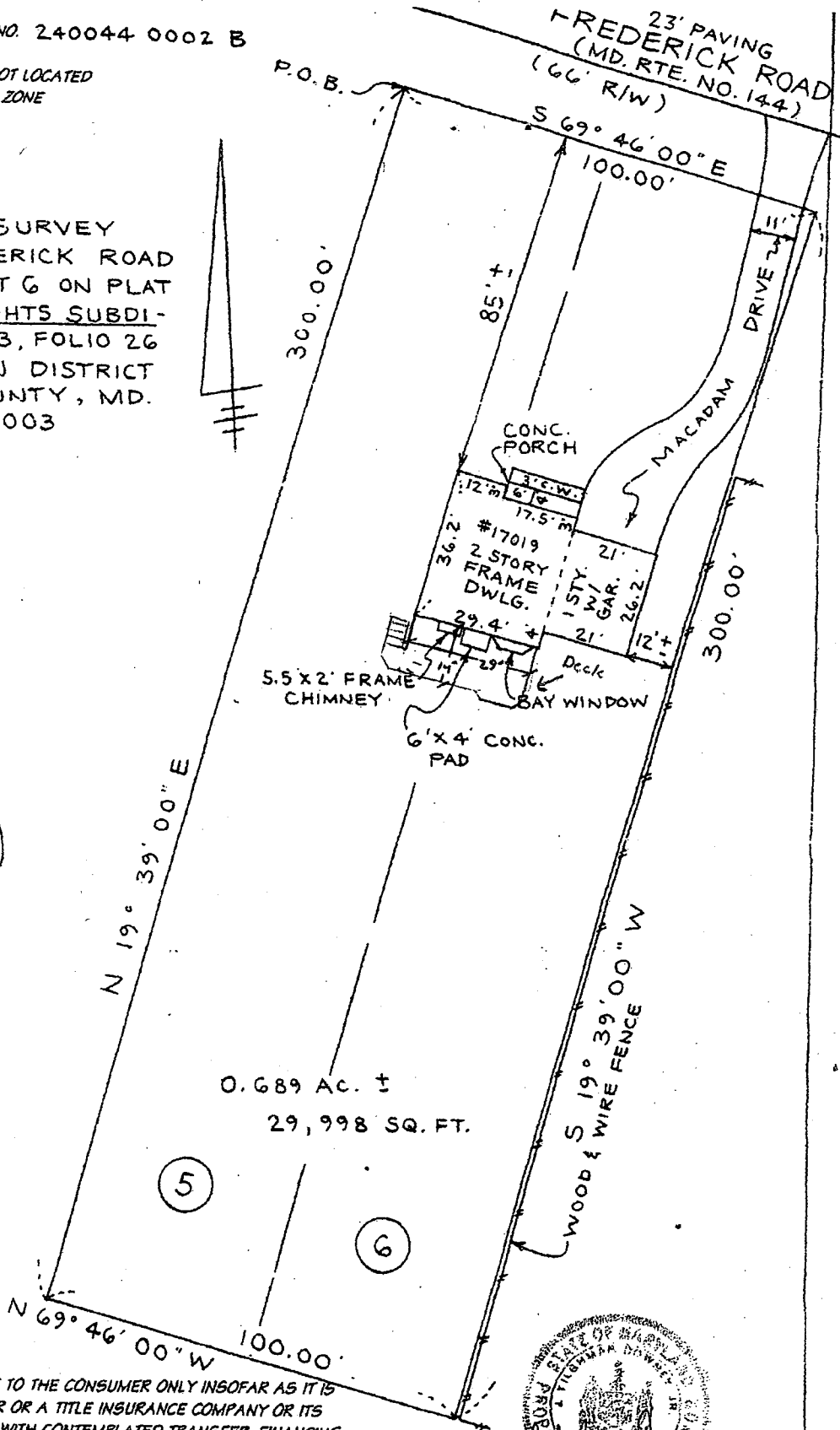
EXIST. HSE

ALL WELLS FOR HOMES THIS SIDE OF RTE 144 ARE IN FRONT YARD.

COMMUNITY PANEL NO. 240044 0002 B
 ZONE "C"
 THIS PROPERTY IS NOT LOCATED
 IN A FLOOD HAZARD ZONE

LOCATION SURVEY
 #17019 FREDERICK ROAD
 LOT 5 AND LOT 6 ON PLAT
 "POPLAR HEIGHTS SUBDI-
 VISION" P.B. 3, FOLIO 26
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MD.
 DEED: 5122 - 003

Scale
 1" = 40'



8/16/01
 Deck O.K.
 (BB)

0.689 Ac. ±
 29,998 SQ. FT.

(5)
 (6)

THE PLAT IS A BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS
 REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS
 AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING
 OR REFINANCING. THE PLAT IS NOT TO BE RELIED UPON FOR THE
 ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS
 OR OTHER EXISTING OR FUTURE IMPROVEMENTS. THE PLAT DOES
 NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY
 BOUNDARY LINES. SUCH IDENTIFICATION MAY NOT BE REQUIRED
 FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR
 REFINANCING. I HEREBY CERTIFY THAT THE LOT SHOWN HEREBY HAS
 BEEN SURVEYED FOR THE PURPOSE OF LOCATING ALL IMPROVEMENTS ONLY.



#00-1783

SITE RITE SURVEYING, INC.
 200 E. JOPPA ROAD
 SHELL BUILDING, ROOM 101
 TOWSON, MD 21286

OWN BY	SURVEYED BY	CHECKED BY	SCALE	DATE
			1" = 40'	8/16/01

B 1	5122	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-94-1522 <small>fill in this form completely</small>
-----	-------------	--------------------------------	---	---

Date Received (APA) 3/30/98

OWNER INFORMATION RN **7413**

Vesta Builders, Inc.
15 Last Name Owner First Name 34

P. O. Box 820
36 Street or RFD 55

Eldersburg, Md. 21784
57 Town 70 State 72 Zip 76

LOCATION OF WELL

Howard COUNTY 21

Poplar Heights 23 SUBDIVISION 42

SECTION 44 46 LOT **586** 48 50

Lisbon 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 3 M I I
73 76 77 78

DRILLER INFORMATION

George F. Easterday M WD **040**
76 Driller's Name License No. 81

L. Franklin Easterday, Inc.
Firm Name

9265 Brown Church Rd., MT. Airy, Md. 21771
Address

George F. Easterday **3/28/98**
Signature Date

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Frederick Rd 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 **50** 37 DISTANCE FROM ROAD FT. ENTER FT OR MI 38 39

TAX MAP: _____ BLK: _____ PARCEL _____

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 **500** 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 APPROVAL)

TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME **A48032** COUNTY NO.

STATE SIGNATURE _____ INSERT S _____ 41

DATE ISSUED **4/10/98** CO SIGNATURE *[Signature]* EXP. DATE **4/1/99**

43 MM DD YY 48

NORTH GRID **551** 0 0 0 EAST GRID **0769** 0 0 0
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

APPROXIMATE DIAMETER OF WELL _____ INCH
NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- wells**
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 750 9

N 550 1

000 000

MAP 2 J8

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)

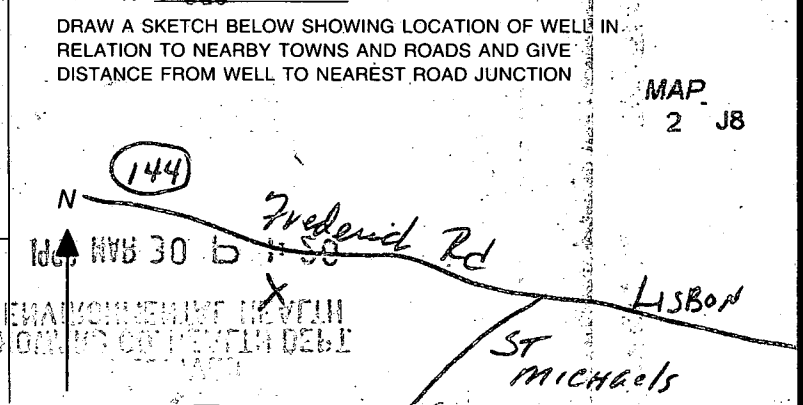
THIS WELL WILL NOT REPLACE AN EXISTING WELL

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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEIN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52



Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54 G.A.P. 63

FORCE **15** WRITE INITIALS IN BOX PERMIT No. **HO-94-1522**
67 68 70 71 72 73 74 75 76 77 78 79

C 1 05066

SEQUENCE NO. (MDE USE ONLY)

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 48032

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

ST/CO USE ONLY

DATE RECEIVED 05 18 98

DATE WELL COMPLETED 04 17 98

DEPTH OF WELL 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1522

OWNER: Vesta Builders, STREET OR RFD: ROUTE 144, TOWN: Mt. Airy, SUBDIVISION: Raptor Heights, SECTION: , LOT: 540

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, FEET (FROM, TO), check if water bearing. Includes entries for top soil, shale, brown/blue slate, and quartz.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD

MAIN CASING TYPE (ST, PL, CO, OT), Nominal diameter top (main) casing, Total depth of main casing.

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

SCREEN RECORD

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

DEPTH (nearest ft.)

Table for depth measurements with columns for depth intervals and values.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

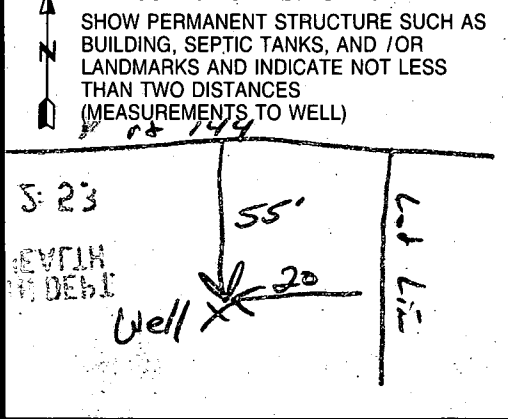
PUMPING TEST

HOURS PUMPED (nearest hour) 6, PUMPING RATE (gal. per min.) 3, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 45, WHEN PUMPING 185.

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (YES/NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29, CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31, PUMP HORSE POWER 37, PUMP COLUMN LENGTH (nearest ft.) 41, CASING HEIGHT (circle appropriate box and enter casing height) above 49, below 2 (nearest foot).

LOCATION OF WELL ON LOT



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y/N)

CIRCLE APPROPRIATE LETTER: A, E, P

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. 1 MWD 040, DRILLERS SIGNATURE (George F. Ginterley), LIC. NO. 1 MWD 481

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