

10/3/94
SAP

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50244

A 49575

DISTRICT 4th

DATE 8/30/94

DATE SYSTEM APPROVED 10/3/94

INSPECTOR C.R.S.

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~205-333333~~ 313-2640

INDEXED

04-312236

Will Hopkins IS PERMITTED TO INSTALL ALTER

ADDRESS 2724 Jennings Chapel Road, Woodbine, Maryland 21797 PHONE 489-4711

SUBDIVISION Georgetta Cooper Property LOT 1 ROAD 3101 Woodbine Florence Road

PROPERTY OWNER Georgetta Cooper

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 158

TRENCHES - Trench to be 2 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start trenches 910 feet down right lot line and 135 feet in from the same lot line. Run trenches along contour 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 MR 1/25/94

PLANS APPROVED BY Mark Rifkin REVISED _____ DATE 12/02/93

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

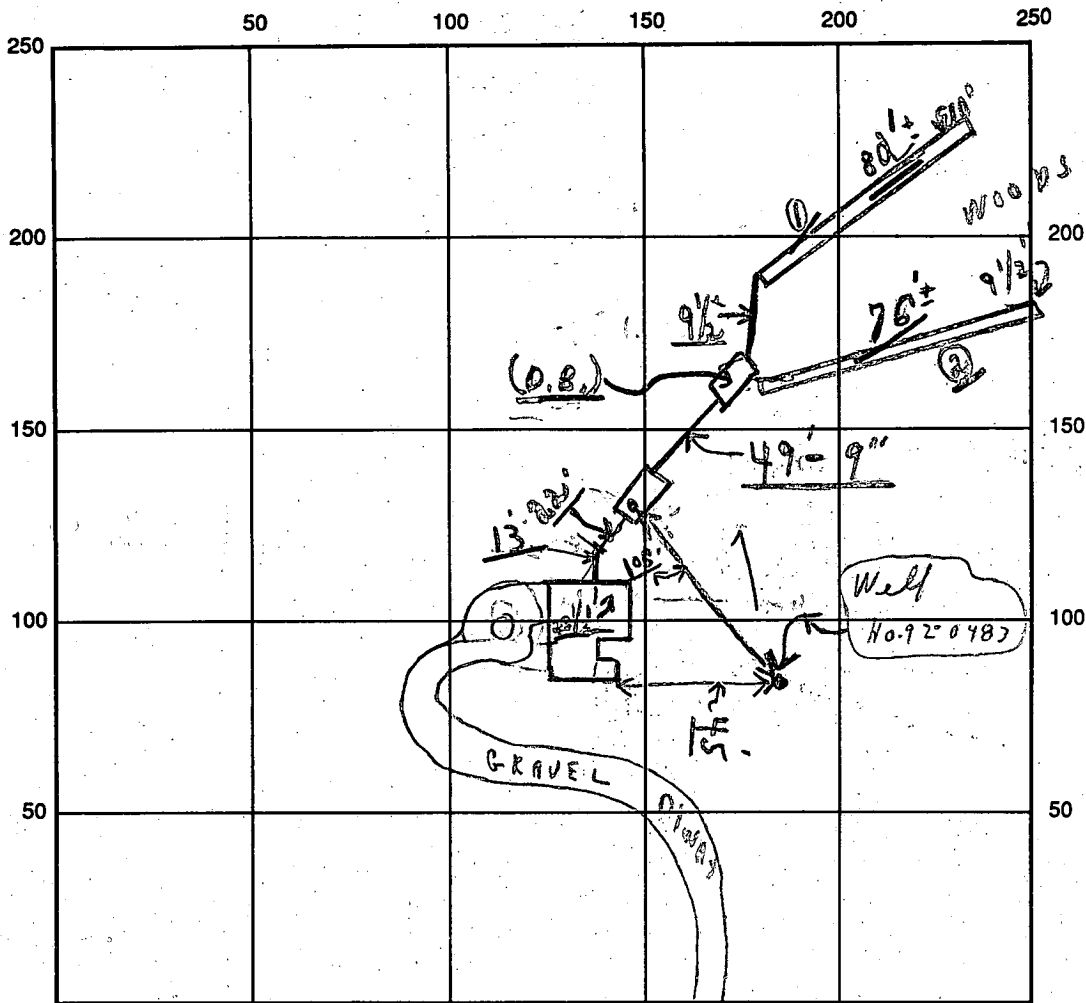
PERMIT VOID AFTER TWO YEARS

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**

A 49575



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

To Lisbon

SEPTIC TANK LEVEL OK CLEANOUTS S.T. / OK

DISTRIBUTION BOX LEVEL OK (Baffle in)

DRAIN FIELD/TITLE DEPTH 9+ average FT. TRENCH WIDTH 2 FT. INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH 4+ FT. TOTAL LENGTH 158 1/2 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 632 SQ. FT.

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

ABSORBENT AREA 632+ SQ. FT.

REMARKS: 10/3/94 A.M. - Final - ok to cover as finish material on site; CBS E. Nichols @ site 7

[Note: W. P. I. - done earlier in Summer '94]

DATE SYSTEM APPROVED 10/3/94 INSPECTOR Charles E. Wheeler

9/27/93
APPLICATION

PERCOLATION TESTING

A 49575

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

PROB W OK
4 LOT PROPOSALS
SUBDIVISION

DISTRICT _____

CW. DATE 9/2/93

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER GEORGETTA C COOPER

ADDRESS 10223 RIGGS RD. PHONE 301-439-3483
Adelphi, Md - 20783-1214

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION COOPER PROPERTY LOT NO. 1

ROAD AND DESCRIPTION N.E. SIDE OF RT 94 NORTH OF
(3101 FLORENCE ROAD)
JIMBER LEGH WAY (TRACT ADC MAP BOOK)

TAX MAP 13 PARCEL # 223

BLDG. PERMIT SIGNED
AND RETURNED 12/2/93
equal to 5100 - 3FD
3 bedrooms

SIZE OF LOT 7 ACRE 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 OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS TENT. OK

REASONS FOR REJECTION OR HOLDING N6605 PLAT CW. 9/28/93

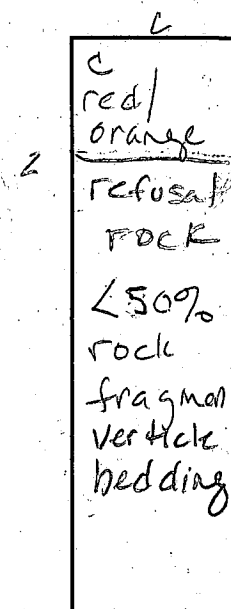
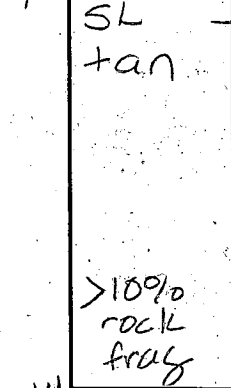
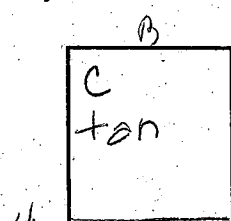
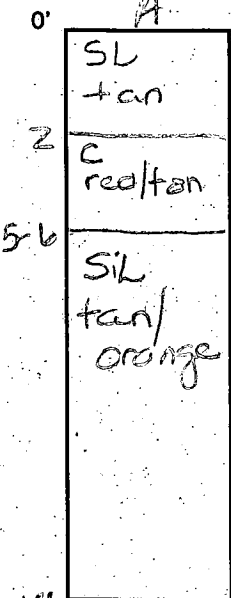
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

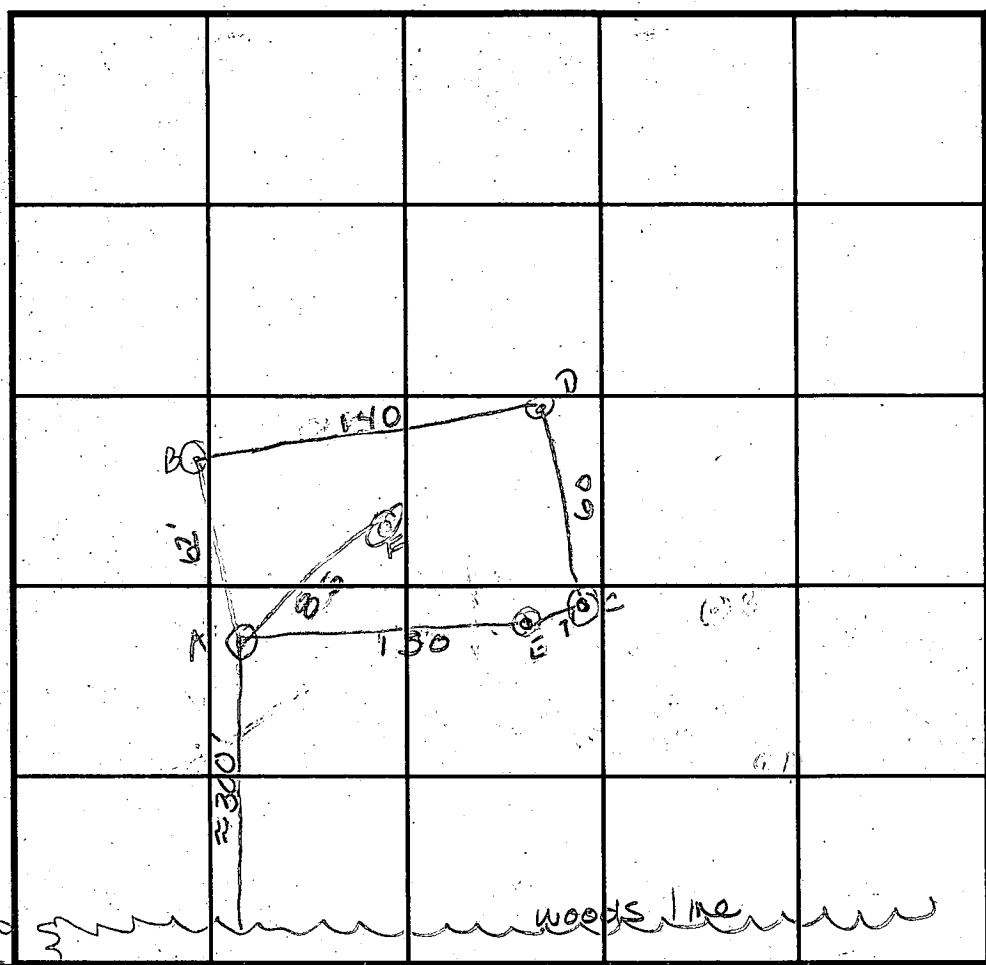
THIS IS NOT A PERMIT

A 49575
COUNTY #

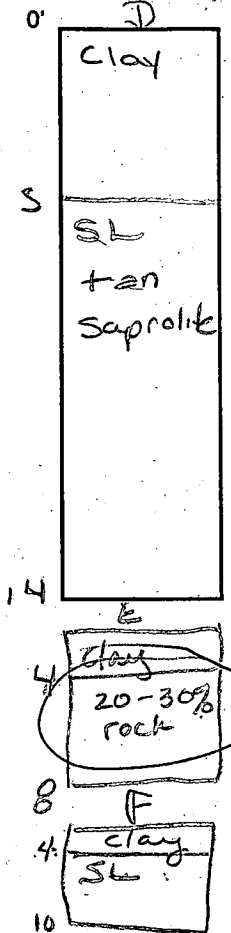
SOIL PROFILE



Timberleg Way



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE Florence Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/27/93	A	6' V14	11:30 ¹³	11:36	11:36 ¹⁹	11:48 ³¹	12 ✓
	B	5' V14	11:50	11:58	11:58	12:12	14 ✓
	C	FAILS	EXCESS NOCL		SEE PROFILE		fail
	D	4' V12	11:15	FAILED			
		5 1/2' V14	12:10 ¹⁷	12:11 ¹⁹	12:11 ¹²	12:14 ²¹	3 ✓ >5%
	E	MARGINALLY OK AREA 25' TO LEFT		NOT TESTED KEEP SEPTIC			fail
	F	VISUAL OK		NOT TESTED - SIMILAR TO B+D			✓

REMARKS
 TYPE OF SOIL Glennville / Mt. Airy
 TESTED BY Amy McMillen ALSO PRESENT Georgetta Cooper
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 10 TRENCH WIDTH 2'
 INLET DEPTH 6' MAXIMUM BOTTOM DEPTH 10' SQ. FT./BEDROOM 210

B 1 08776 SEQUENCE NO. (DP 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

STATE PERMIT NUMBER
10-92-0483
fill in this form completely

Date Received (APA) 10/19/93
OWNER INFORMATION
COOPER GEORGETTA
10223 RIBBS ROAD
HYATTSVILLE MD 20783

B 3 LOCATION OF WELL
HOWARD
COOPER PROPERTY
LISBON
MILES FROM TOWN 2.4 MI

DRILLER INFORMATION
Ronald L. Kyker
Westminster Rotary Well Drilling
10/18/93

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
NEAR WHAT ROAD ROUTE #94
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 650 FT

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 450

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
Howard COUNTY NAME
A49575 COUNTY NO.
DATE ISSUED 11/08/93
CO SIGNATURE [Signature] EXP. DATE 11/07/94

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)
BORED (or, Augered) JETTED Jettied & 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
1. City
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE
76A
53D

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
N THIS WELL WILL NOT REPLACE AN EXISTING WELL
S THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
D THIS WELL WILL DEEPEN AN EXISTING WELL

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION.
Well OK
Well grouted already
650
Dwell RP
Route #94

Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER GAP
FORCE 171 PERMIT No. 10-92-0483

SPECIAL CONDITIONS
Vicki 876-1911

COUNTY

C1 **8783** SEQUENCE NO. (DENV 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 **A49575**

ST/CO USE ONLY DATE Received **10/19/93** DATE WELL COMPLETED **11/19/93** Depth of Well **180** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **MD-12-0436**

OWNER **COOPER GEORGETTA** last name **ST. 94** first name TOWN **LISPON**
 SUBDIVISION **COOPER PROPERTY** SECTION 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	
Dirt	0	1	
Red Clay & Shale	1	3	
Soft Br. & Red Shale	3	30	
Hard & Soft Br. & Blue Shale	30	43	X
Hard Blk & Br Schist	43	56	
Hard Blk Schist	56	75	
Opening	75	76	X
Hard Blk Schist	76	101	
Hard Br. Schist	101	103	X
Hard Blk. Schist	103	132	
Hard Br. Schist	132	134	X
Hard Blk. Schist	134	180	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **22** NO. OF POUNDS **2068**
 GALLONS OF WATER **132**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **59** 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 Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)
S T **6** **61** **61** **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 STEEL BRASS OPEN
PL OT BRONZE HOLE
 PLASTIC OTHER

C2
 DEPTH (nearest ft.)
 1 **H O** **180** **51**
 2
 3
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH)
 from to

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **12**
 METHOD USED TO MEASURE PUMPING RATE **submersible**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **32**
 WHEN PUMPING **38**
 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: **S**
 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 **2** (nearest foot)
- below

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 IDENT. NO. **296**
RONALD L. KYKER
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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**
70 **72** **74** **75** **76**
TELESCOPE CASING **LOG INDICATOR** **OTHER DATA**

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)

WESTMINSTER ROTARY WELL DRILLING, INC.

DANA KYKER & SONS

BLAST HOLE DRILLING

Commercial & Domestic

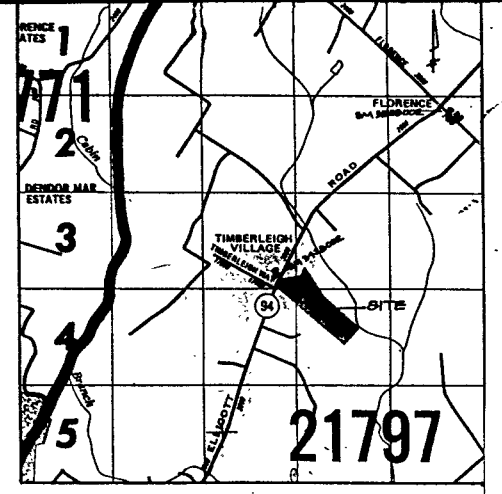
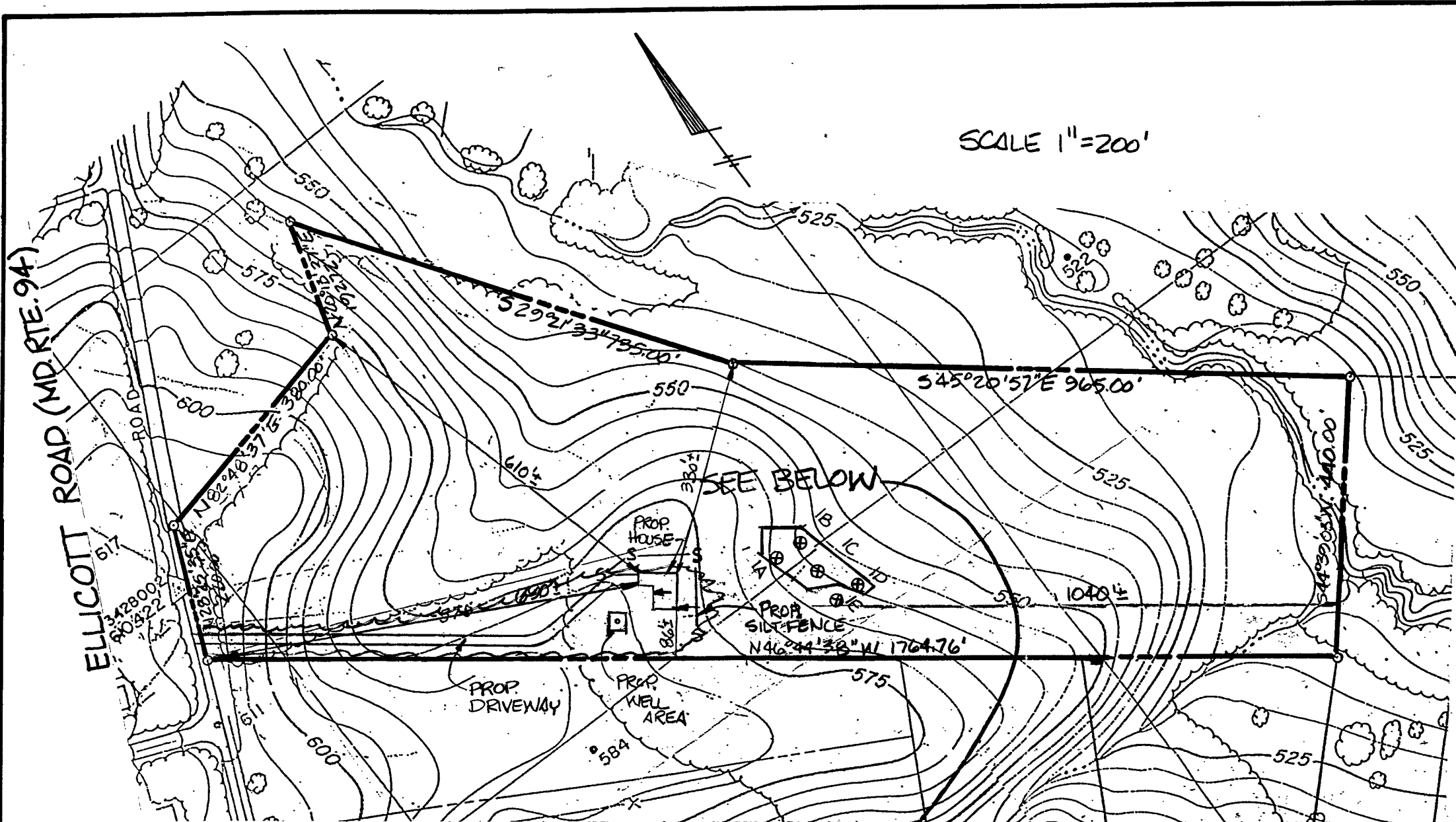
November 19, 1993

Permit Number: HO-92-0483

Property: Route #94, Cooper Property, Tax Map: 13, Parcel:223

DRY WELL: (13 bags of cement)

Dirt	0	1
Red Clay & Shale	1	3
Soft Br. Shale	3	61
Hard & Soft Br. & Blue Shale	61	86
Hard Br. & Blue Shale	86	99
Hard Blk. Schist	99	305
Clay & Sand	305	380
Hard Blk. Schist	380	405

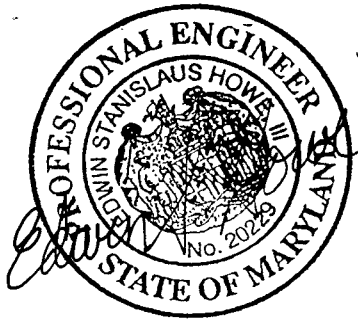


PERCOLATION TESTS PERFORMED ON SEPT. 27, 1993

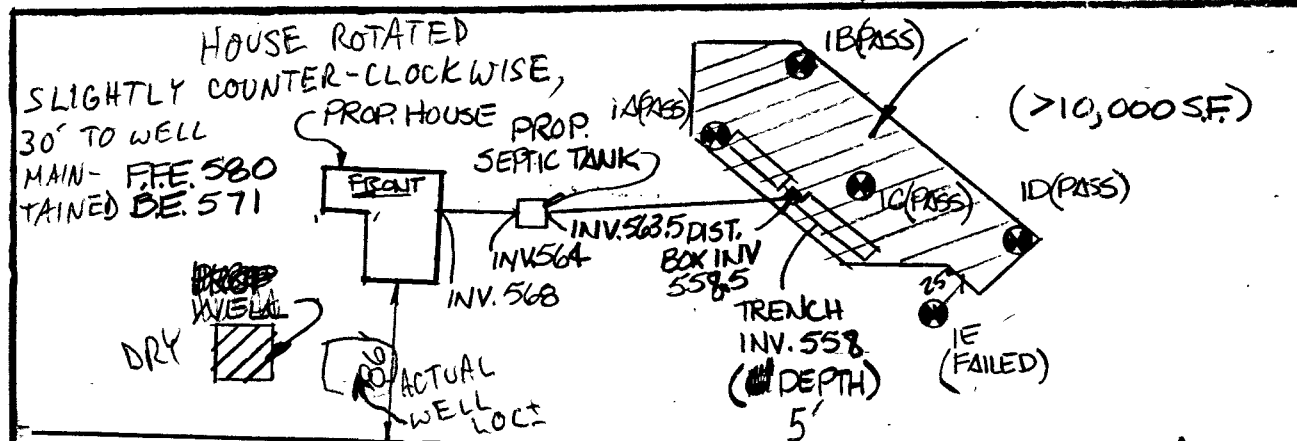
OWNER: GEORGETTA GUINN COOPER
 ATTENTION: GARY COOPER
 10223 RIGGS ROAD
 HUATTSVILLE, MD 20783
 PHONE: 301-439-3483

PROPERTY IS ZONED RC-DEO
 REQUIRED SETBACKS: 75' FRONT YARD
 50' SIDE YARD

I CERTIFY THAT THE MEASUREMENTS SHOWN ON THIS PLAN ARE TRUE AND CORRECT BASED ON HOWARD COUNTY'S 1"=200' SCALE TOPOGRAPHY



KCW CONSULTANTS, INC.
 Civil Engineers & Land Surveyors
 3104 Timanus Lane, Suite 101
 Baltimore Maryland 21244
 (410) 281-0030 / 281-0033



NOTES:
 MAX. SLOPE ON SEWER PIPE 1/4" / 1'
 MIN. SLOPE ON SEWER PIPE 1/8" / 1'
 NO CONSTRUCTION TO IMPACT SEWERAGE DISPOSAL AREA INCLUDING DRIVEWAYS

MANHOLE REQUIRED ON SEPTIC TANK PIPE 10' PRIOR TO S.T. AND PIPE 10' PRIOR TO D.B. PLAN TO ACCOMPANY @ 1-2% FALL BUILDING PERMIT APPLICATION

elevations OK
 BP 51002 3 BR
 MR 12/2/93

"COOPER PROPERTY"
 4TH ELECTION DISTRICT TAX MAP 13 PARCEL 223
 HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: OCT. 9, 1993

