

File

10/1/90 (2) P.C.O. C.B.D.
10/2/90 (1) P.C.O. C.B.D.
P 46389

10/1/90 wood
3:00 P.M.
10/2/90 Early A.M.
Noon

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 5th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 9/20/90

DATE SYSTEM APPROVED 10/2/90

INSPECTOR C.B.D.

INDEXED

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 558 Obrecht Road, Sykesville, Maryland PHONE 21784

SUBDIVISION Burleigh Manor ROAD 10308 Castlefield St. LOT 711

PROPERTY OWNER LAU, FRANK

ADDRESS _____

~~EXCESSIVE GROUNDWATER LEVELS MAY INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 20%.~~

~~EXCESSIVE GROUNDWATER LEVELS MAY INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 20%.~~

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 5 *5/c.w. office (10/1/90 A.M.) C.B.D.*

TRENCHES -210 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 1/2 feet below original grade. Bottom maximum depth 8 1/2 feet below original grade. Effective area begins at 4 1/2 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION -Beginning from right front lot corner place the distribution box 160' down the right (579') lot line and 100' off the right line as seen when facing property from Castlefield Street. Run trenches along contour towards the left (650') 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. 6-5-90 JEN

PLANS APPROVED BY Bert Nixon cm. DATE 11/24/87

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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

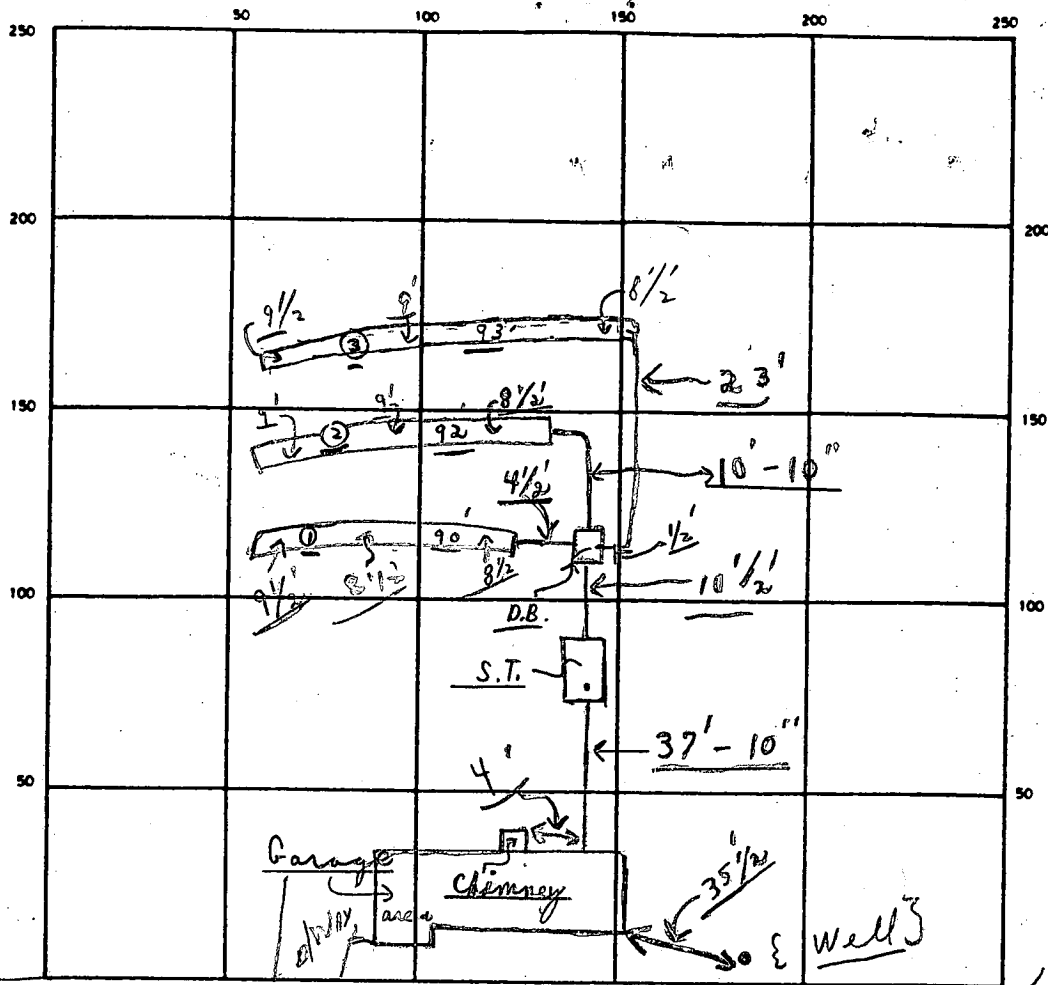
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A
59829



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 CASTLE FIELD ROAD (#1)

SEPTIC TANK LEVEL OK CLEANOUTS (#1) (1/2 from well) ✓OK S.T. ✓OK

DISTRIBUTION BOX LEVEL # OK (Baffles is in)

DRAIN FIELD/TILE FIELD. DEPTH #1 8 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 1/2 FT.

EFFECTIVE GRAVEL DEPTH { #1 } 4' + FT. TOTAL LENGTH { #1 90, #2 92, #3 93' } 275 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 1100 + SQ. FT.

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

ABSORBENT AREA 1100 + SQ. FT.

REMARKS 10/1/90 P.M. Partial - ok to cover from house to dist. box;
ok for stone in #1 trench only; 10/1/90 ok to cover
to #2 trench. ok for stone in #2 trench only, c.B.S.
10/2/90 ok for stone in #3 trench only, partial, c.B.S.
10/2/90 Final ok to cover all work. c.B.S.

10/1/90 W.P.I. Final - ok on lines and pattees and covers. c.B.S.
 DATE SYSTEM APPROVED 10/2/90 INSPECTOR Charles Bryan Street

APPLICATION

PERCOLATION TESTING

A 38540

P _____

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

*3/13/87
perc test approved
Frank + Grace Lou*

DISTRICT _____

DATE 1-28-87

TO: THE COUNTY HEALTH OFFICER
ELLCOTT CITY, MARYLAND

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

PROPERTY OWNER Gerald M. Katz, Trustee c/o Whitman, Reardon and Associates
FRANK + GRACE LOU

ADDRESS 2315 Saint Paul Street, Baltimore, MD 21218 PHONE (301) 235-3450

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Burleigh Manor Section 2 LOT NO. 32

ROAD AND DESCRIPTION West of the intersection of Centennial Lane and Old Annapolis Road
(10308 CASTLEFIELD STREET)

TAX MAP 23, 24 PARCEL # 290

SIZE OF LOT 3 Ac. TYPE BLDG. Single Family Dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED
AND RETURNED 5-15-94
SLUWA# 32452-51-D

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.

Stan Stan
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for field located holes + sub-plat
7-16-87 require satisfactory - hold for PERM. 8/16

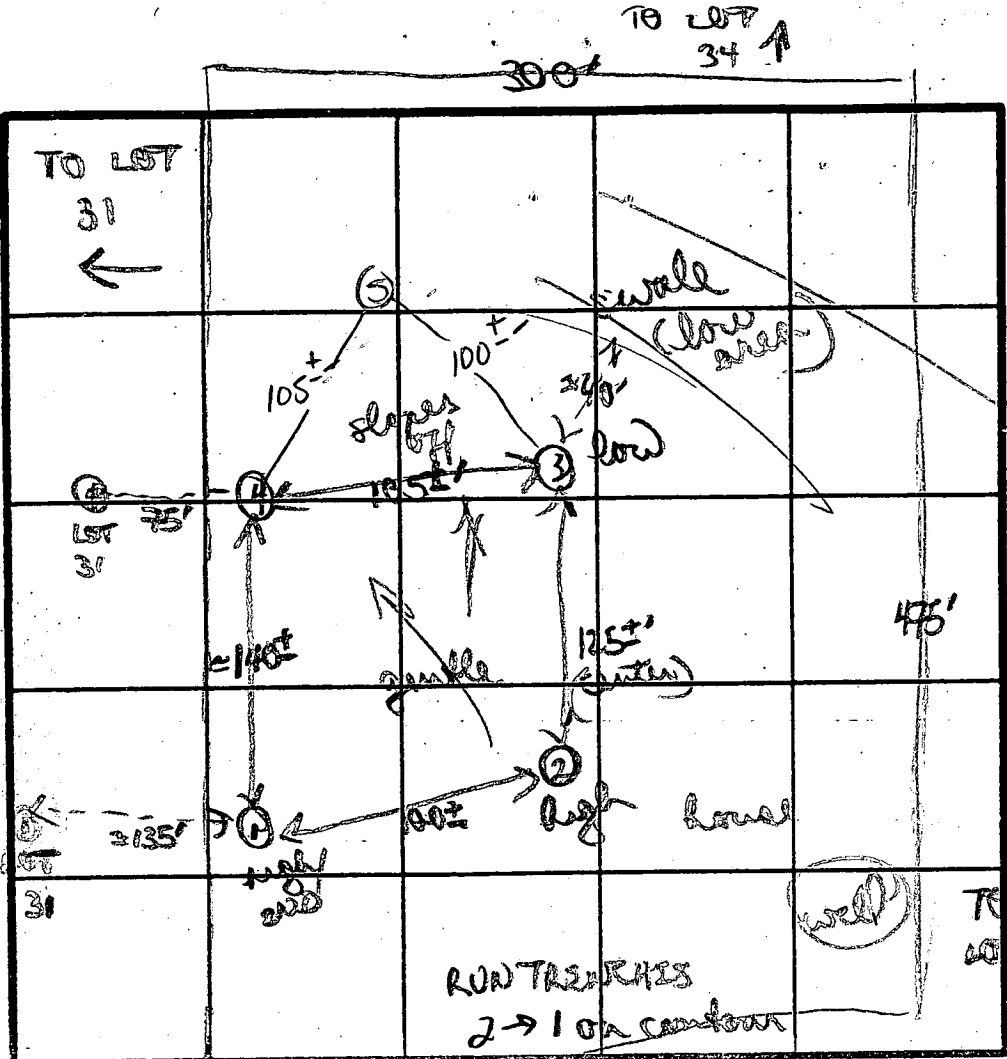
THIS IS NOT A PERMIT

210' / 80' ROOM
 INLET 4" \times 12" DIA
 MAX D 8" \times 12" DIA

SOIL PROFILE

heavy red brown clay (chubby) 3'
 changing to mostly grey gritty silty clay 12'
 heavy frags

12' D



heavy chunky red clay with brown orange 3'
 gritty sandy

to mostly tan/white gritty sandy silty

12' D

red/brown clay 3'
 to clay loam 4'

to mostly grey silty gritty sandy clay w/ patches small rock frags 5'

12' D

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/18/87	①	3 1/2 S	1112	1120	1215	1220	6 MIN	
		12' D	bottom (see profile)					
	②	4 1/2 S	1114	1125	1125	1150	25 MIN	
		7 1/2 M	1114	1116	1116	1118	2 MIN	
		12 1/2 D	bottom (see profile)					
	③	4 1/2 S	1120	1122	1122	1127	5 MIN	
		12' D	bottom (see profile)					
	④	4 1/2 S	1130	1143	1143	1208	25 MIN	
		12' D	bottom (see profile)					
	5 S	4'	8:27	8:40	8:40	9:05	25 MIN	
	5 V	12.5'	UNIFORM soil below 3' similar to Note 3/4					

REMARKS

Dug & tested as per plot (chester soils)
 soils fairly uniform; heavy red clay 3 1/2' to clay loam; to grey/tan gritty silty clay loam

TYPE OF SOIL

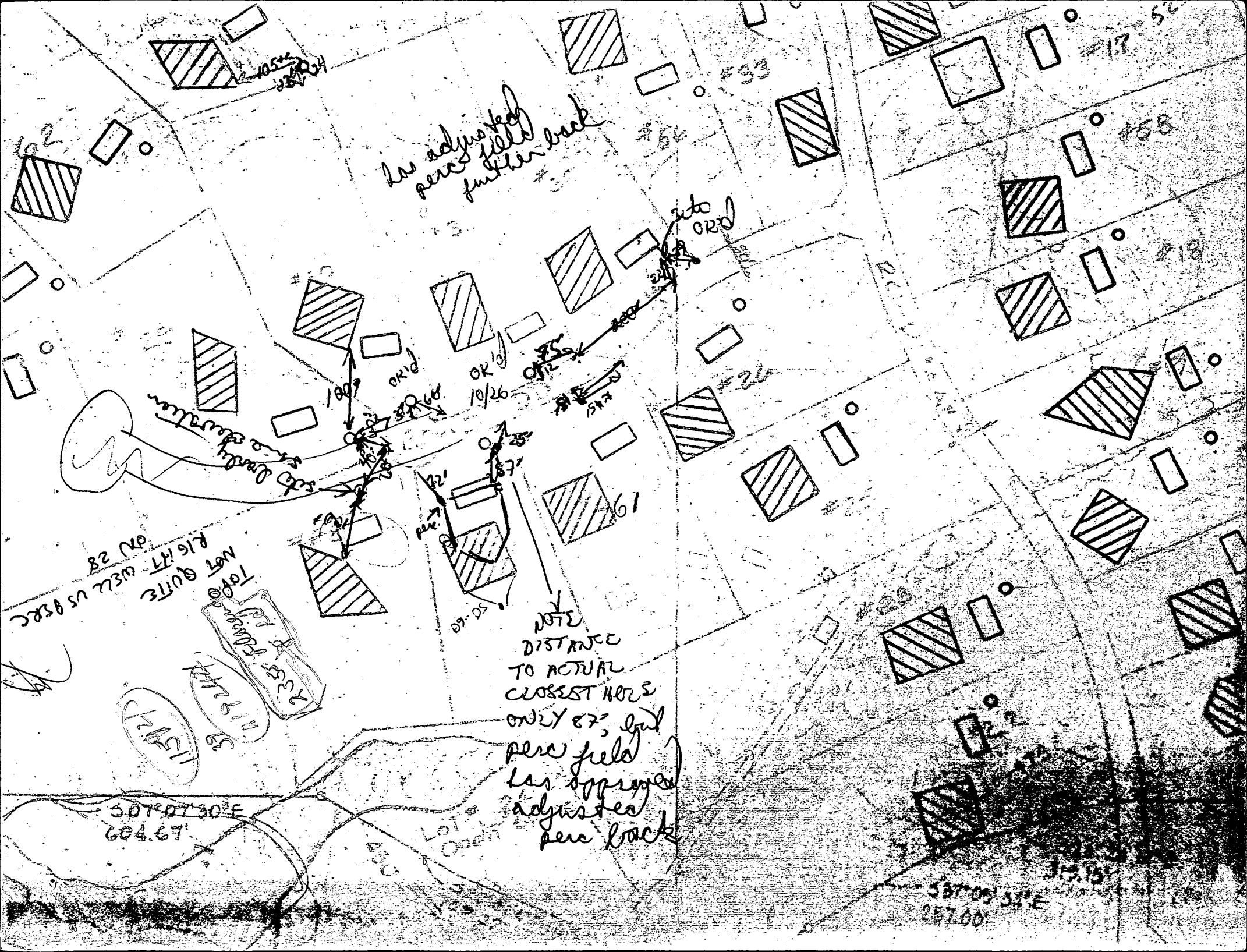
B silt loam

ALSO PRESENT

Rocky, irregular

TESTED BY

B. Wilson



B 1 9399

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-81-2429

please print or type

fill in this form completely

Date Received

11/10/87

OWNER INFORMATION

WHITMAN R. S. WARD + ASC

CIS SHINT PAUL SA

Baltimore MD 21101

B 3

LOCATION OF WELL

Howard County

Riverview Manor

SECTION 2 LOT 32

Beltsville City

MILES FROM TOWN 3 1/2 MI

DRILLER INFORMATION

Driller's Name: [Signature] License No. 238

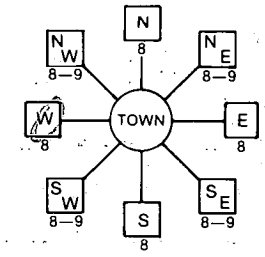
Firm Name: [Signature] Well Drilling

Address: 5512 Ridge Rd. Mt Airy, Md 21771

Signature: [Signature] Date: 10/29/87

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Castlefield Street NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) WEST EAST SOUTH NORTH

DISTANCE FROM ROAD 20 FT

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 300

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 A39829

OEP SIGNATURE: [Signature] DATE ISSUED: 11/18/87

CO-SIGNATURE: [Signature] EXP. DATE: 05/18/88

NORTH GRID 522000 EAST GRID 0836000

APPROXIMATE DEPTH OF WELL 240 FEET

APPROXIMATE DIAMETER OF WELL 6 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)

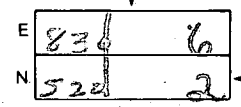
- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEAN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

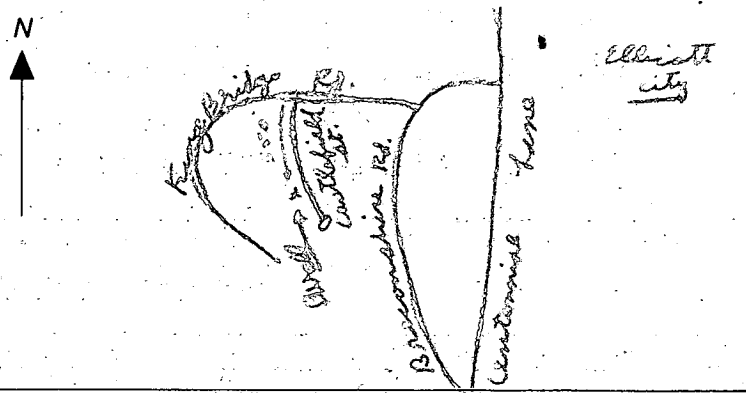
- 1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



Handwritten notes: 201 Hole SBMS 11/20/87, WELL ON SIDE OF ROAD, 12/23/87

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



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

APPROX. PERMIT NUMBER GAP

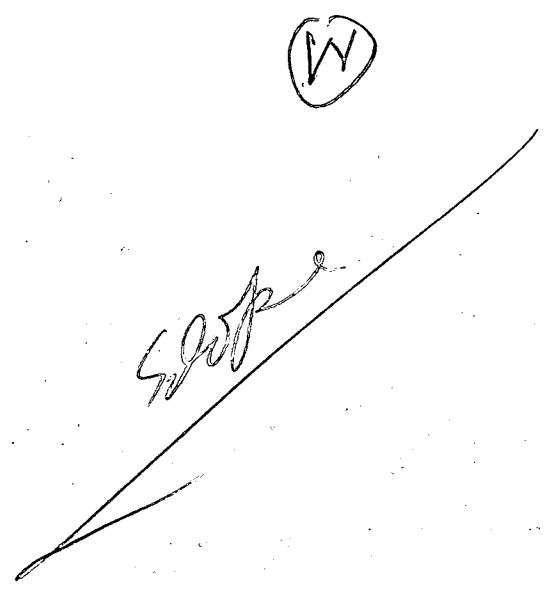
FORCE INITIALS PERMIT No. 40-81-2429

SPECIAL CONDITIONS

NEEDED FOR PRELIMINARY PLAT APPROVAL

WOODS
RIGHT

NB
corner
50 ft stake
of lot 32



12/23/87

- ① 62 FT casing
- ② 40 ft open
- ③ NOT sure of location right or wrong
- ④ 17 bag so far 1040 AM
- ⑤ arrived during grout Johnny supplied information

④ 20 Boop Seen Johnny later

⑤ well OK

B. Hodges

C1 2055 (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 39829

DATE RECEIVED

DATE WELL COMPLETED 12/23/87

DEPTH OF WELL 185 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-81-2429

OWNER ASSOCIATES WHITMAN REQUARDT
STREET OR RFD CASTLEFIELD STREET TOWN ELLICOTT CITY
SUBDIVISION BORLEIGH MANOR SECTION 2 LOT 32

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 handwritten entries: SAND, GRAY MICA ROCK, DRY WELL 400' FILLED IN WITH CEMENT + DRILLING MATERIALS.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 20 NO. OF ROUNDS 1880

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

MAIN CASING TYPE (ST) Nominal diameter (6) Total depth (62)

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) STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

DEPTH (nearest ft.) 40, 59, 185

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. 238
DRILLERS SIGNATURE Joseph P. Maynor

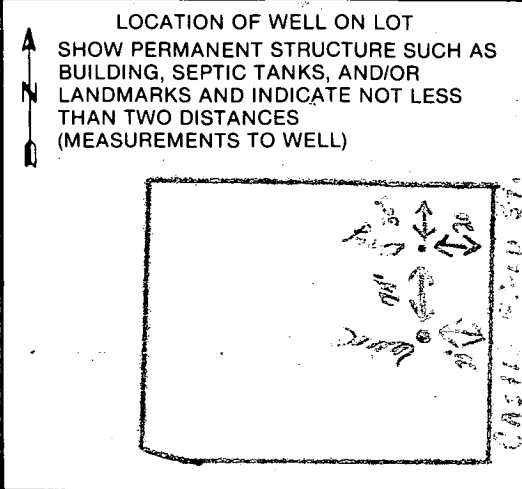
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

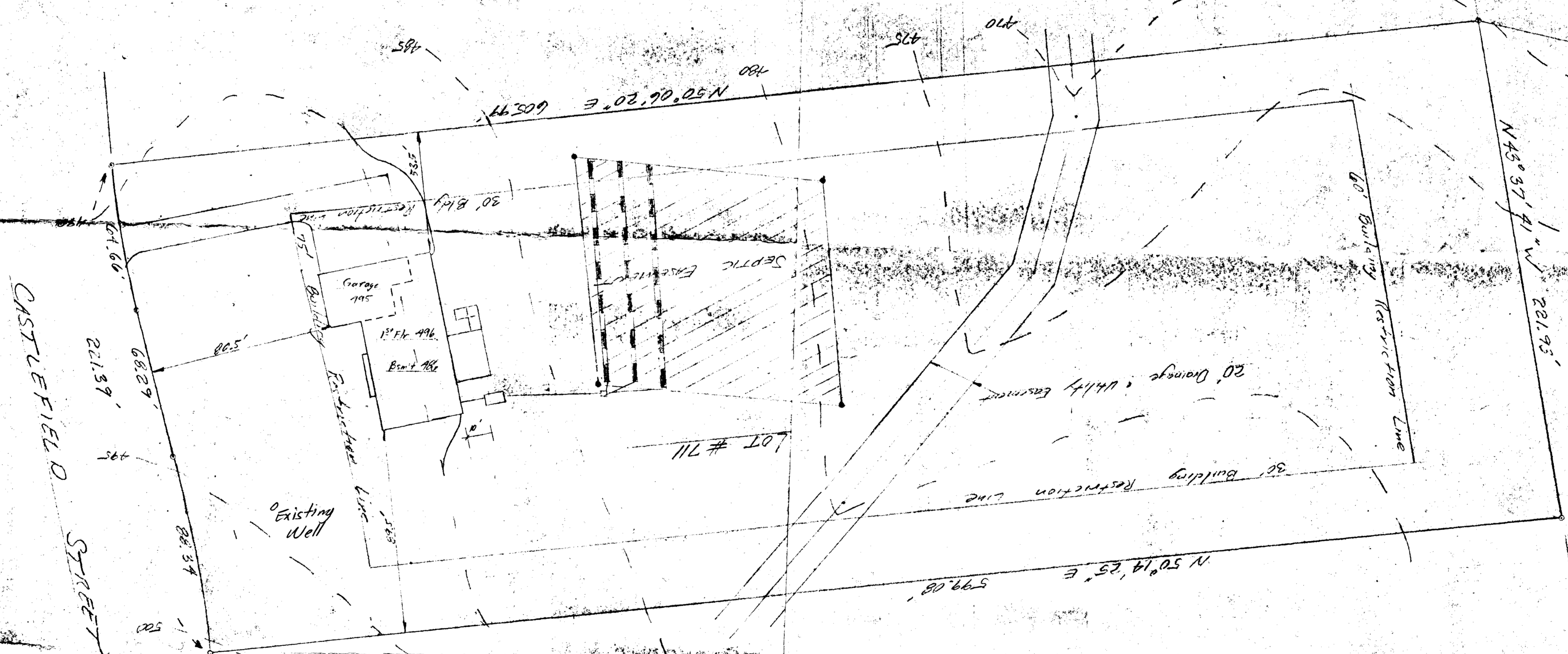
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) WQ (74, 75, 76) TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 20 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 35 WHEN PUMPING 55 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: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) (+) above (-) below LAND SURFACE (3) (nearest foot)





SEPTIC SYSTEM

	Spot	Finish
Invert at House	489.3	489.0
Invert at Tank Inlet	489.0	488.0
Invert at Tank Outlet	483.6	487.5
Invert at Distribution Box	481.0	484.0

5/15/90
 PLARIS OK
 B J H

SITE PLAN: THE PRESERVE		LOT 711
Scale: 1"=30'		BT
Mr. & Mrs. Frank & Grace Lou		
RES. CONSTRUCTION: (301) 946-7200		