

8/7/87
11AM

8/10/87 Noon

05-402549

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

P 39817

A 35411

DISTRICT 5th

DATE 8/04/87

DATE SYSTEM APPROVED 8/10/87

INSPECTOR RH

T & R Plumbing & Heating, Inc.

IS PERMITTED TO INSTALL ALTER

ADDRESS 9921 Washington Boulevard, Laurel, MD 20707 PHONE 725-2392

SUBDIVISION Fox Hall Villas ROAD 13330 Elliott Drive LOT 15

PROPERTY OWNER Donald Wilburn

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO X

180
4
7 2/3

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 160 feet from the front lot line and 160 feet from the right side of the lot as seen when facing the lot from Elliott Drive. Run the trenches both toward the left of the lot and the right of the lot on level ground.

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

PLANS APPROVED BY R. Hodges DATE 9/19/86

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.

BLDG. PERMIT SIGNED

PERMIT VOID AFTER TWO YEARS.

AND RETURNED

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.

Serial # 43917 - pouch

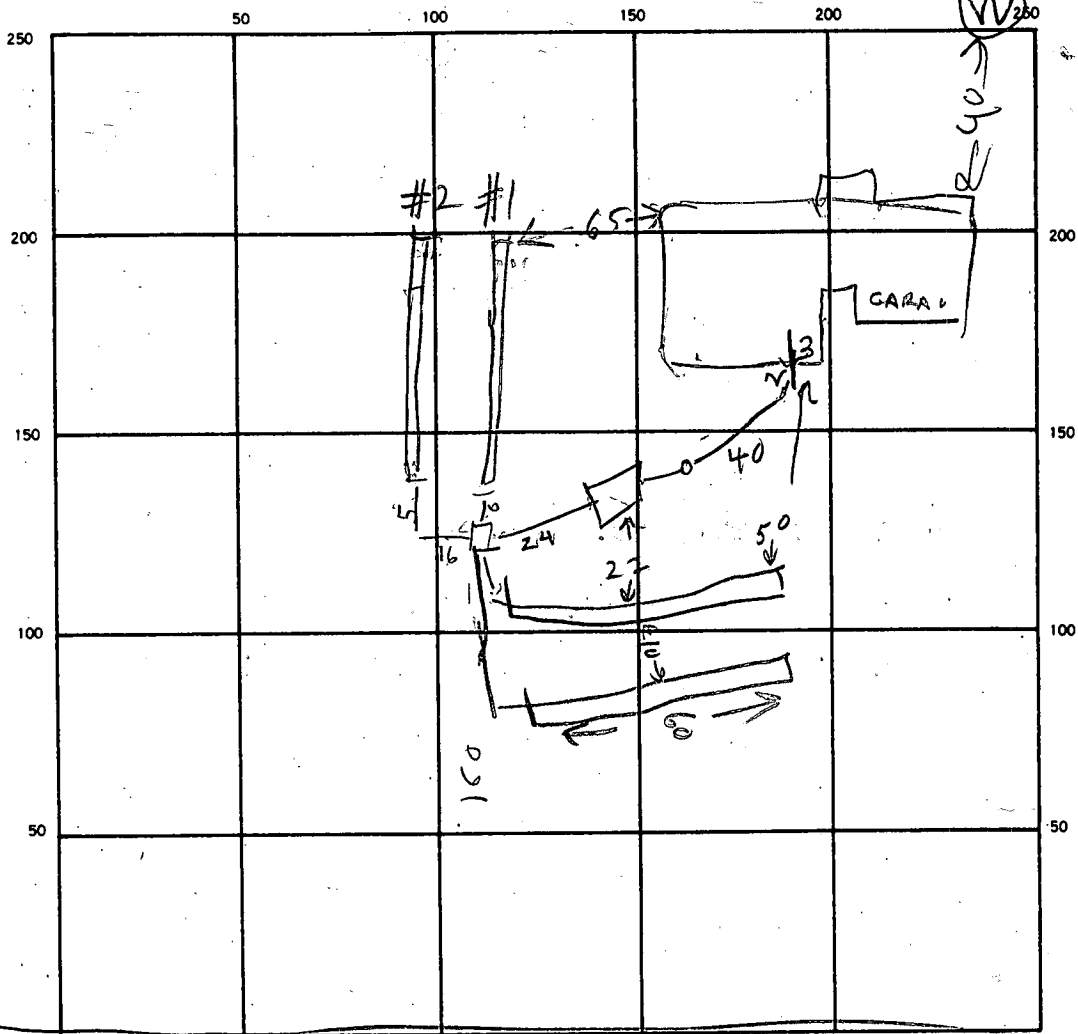
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 35411



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK. LEVEL 1500 CLEANOUTS ST HOUSESEWER
OK OK

240
720

DISTRIBUTION BOX. LEVEL _____

DRAIN FIELD/TILE FIELD. DEPTH #1 #2 4.5 9.5 FT. TRENCH WIDTH #1 #2 3 3 FT. INLET DEPTH _____ FT.

EFFECTIVE GRAVEL DEPTH #1 #2 1.5 15 FT. TOTAL LENGTH #1 2 3 4 66 65 60 60 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 8/7/87 LOCATION OK OK TO COVER TANK
TRENCH #1 & #2. FINISH TRENCH #3 & #4 & CONNECT
TANK TO HOUSE RH

8/10/87 TANK CONNECTED TO HOUSE HOUS SEWER
IS OK

DATE SYSTEM APPROVED 8/10/87 INSPECTOR Raymond Hodge

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 35411

P _____

DISTRICT 5th

DATE 4-24-85

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.

PROPERTY OWNER DAVID N. ELLIOTT

ADDRESS 6581 Columbia Pike, Columbia PHONE 997-5833

PROPERTY LOCATION:

SUBDIVISION FOXHALL VILLAS LOT NO. 15

ROAD AND DESCRIPTION ELLIOTT ROAD DRIVE

SIZE OF LOT 3 acres TYPE BLDG. res. 3-4
(NUMBER OF BEDROOMS)

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.

David N. Elliott

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

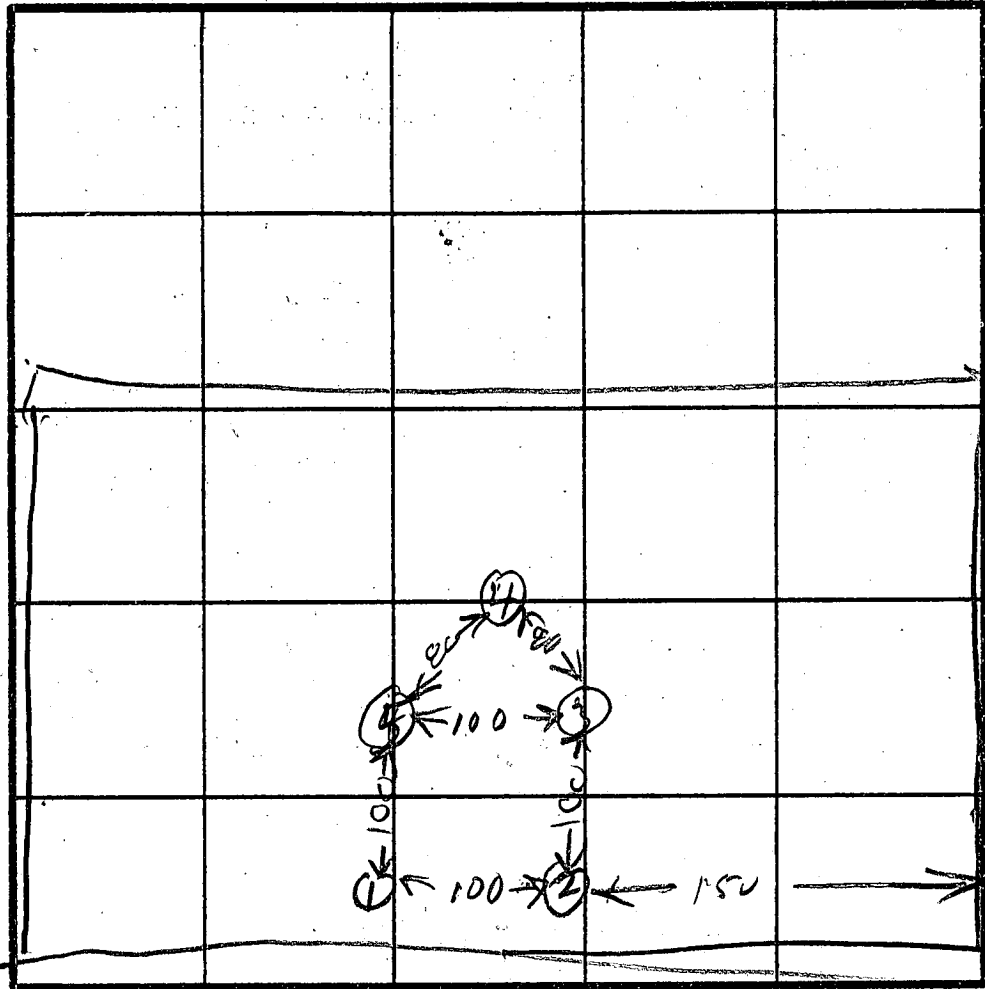
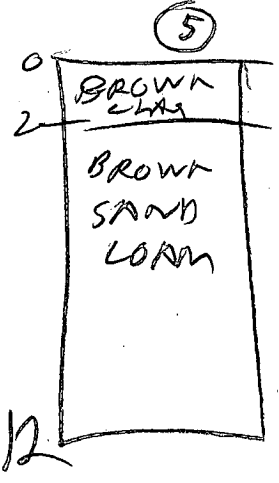
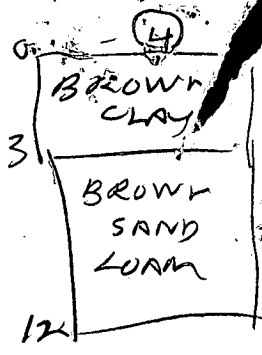
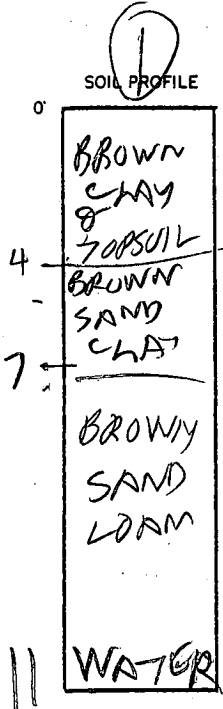
REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

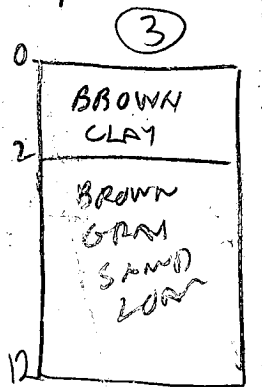
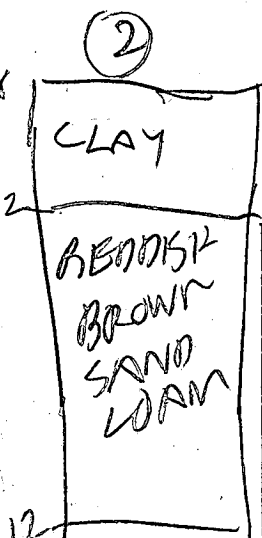
Lot 15

15

20



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/9/85	1V	11	LOOKS UNSATISFACTORY	WATER	11 FT		
	2S	3 1/2	222	227	227	232	5
	2V	12	LOOKS OK				
	3S	3	238	240	240	242	2
	3V	12	LOOKS OK				
	4S	3 1/2	244	247	247	251	3
	4V	12	LOOKS OK				
6/11	5S	3	253	256	256	259	"
	5V	12	LOOKS OK				

an time
4 min
max depth
3 ft

REMARKS _____

TYPE OF SOIL _____

TESTED BY R HODGES

F-704000 JEFF PROBERT

ALSO PRESENT _____

EH-12-1079

B 7 2198 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-01-1940
fill in this form completely

Date Received 020387
OWNER INFORMATION
WILLBURD HOWARD
13003 FLINT ROCK DR.
DEFTSVILLE MD 20705

B 3 LOCATION OF WELL
HOLAND COUNTY
FOXHALL VILLAS
SECTION 44-46 LOT 15
CLARKSVILLE
MILES FROM TOWN (enter 0 if in town) 2 MI

DRILLER INFORMATION
Ralph MAYNE
Ralph Mayne Well Drilling
5122 Brown Church Rd Mt Airy
Ralph Mayne 1/26/87

B 4 ELLICOTT DR.
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 250 FT or MI

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

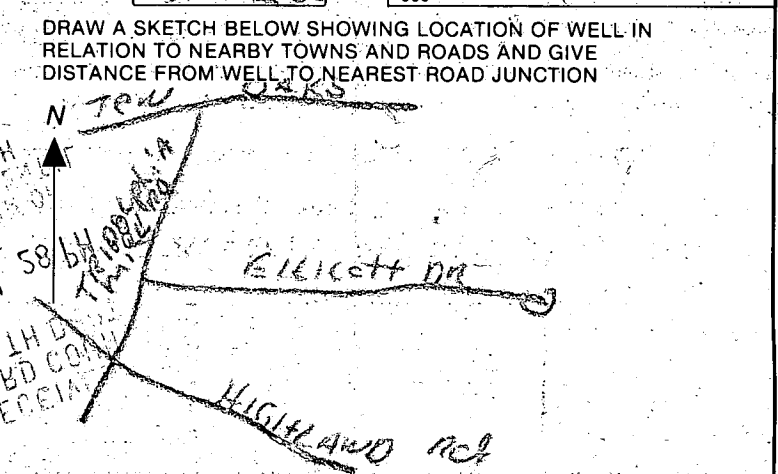
USE FOR WATER (CIRCLE APPROPRIATE BOX)
D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME A35411 COUNTY NO.
OEP SIGNATURE STATE HEALTH INSERT S
DATE ISSUED 022487 Raymond Hodges 08/24/87
NORTH GRID 503000 EAST GRID 0807000

APPROXIMATE DEPTH OF WELL 150 FEET
APPROXIMATE DIAMETER OF WELL 6" 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

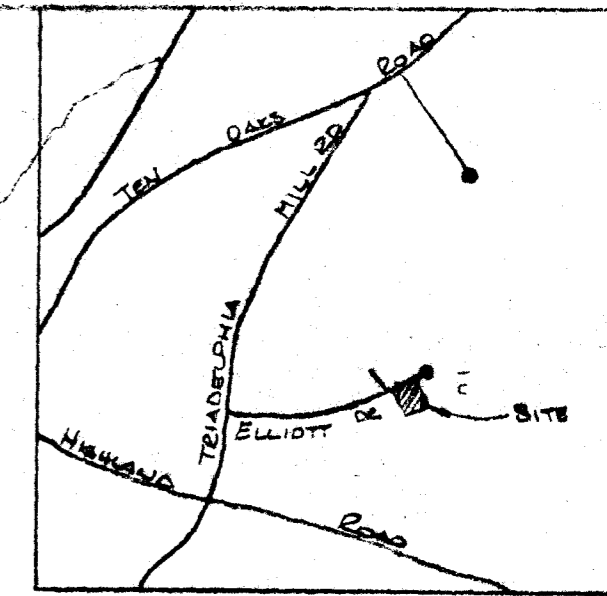
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. well
WRITE THE BOX NUMBER FROM THE MAP HERE
E 8007
N 5002

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)



Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER GAP
FORCE RIT INITIALS IN BOX PERMIT No. HO-01-1940

SPECIAL CONDITIONS 255-4436



VICINITY MAP
SCALE 1"=2000'

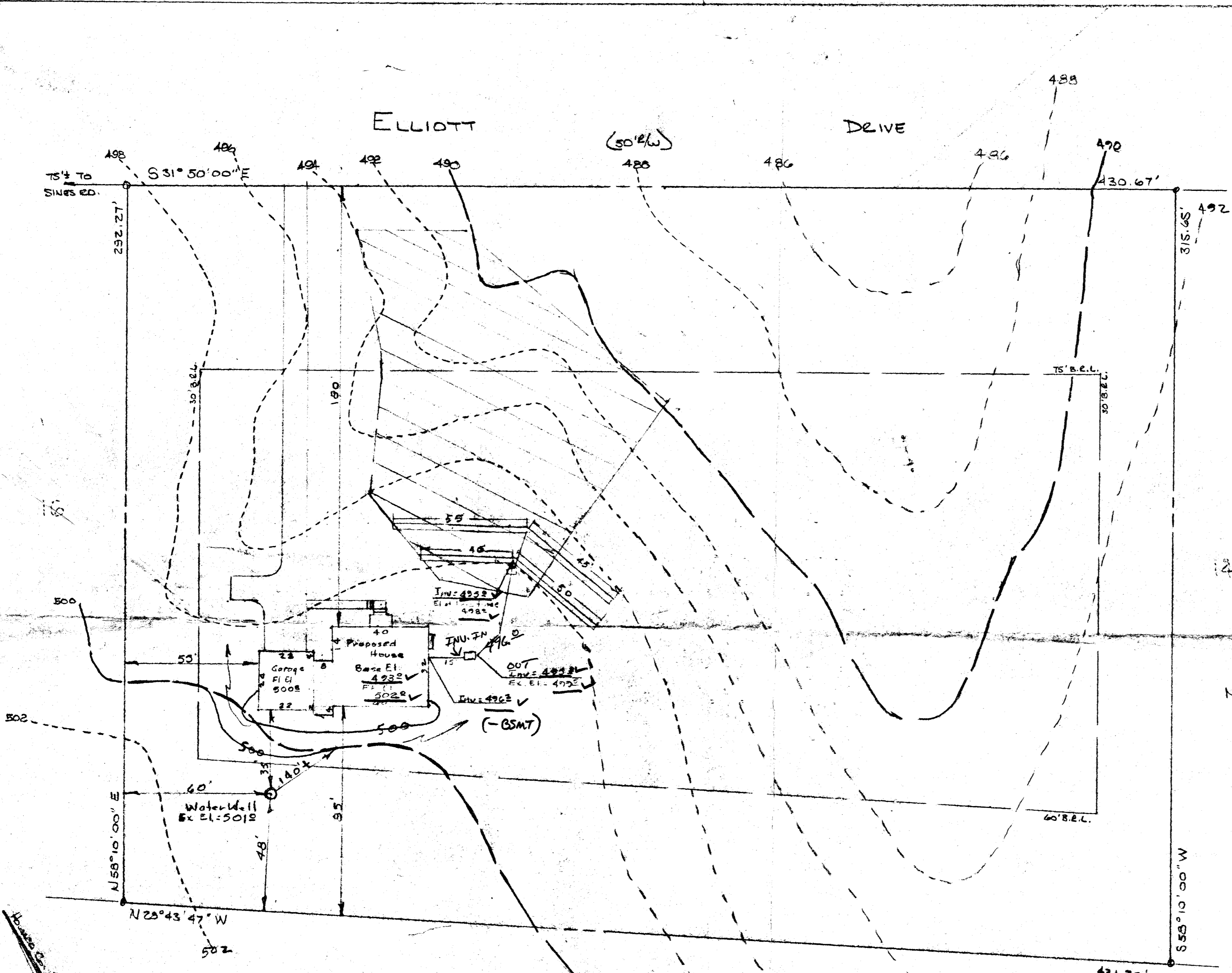
LOT 15
SECTION 2
FOXHALL VILLAS
A RESUBDIVISION OF PART OF PARCEL D
THOMPSON PROPERTY
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE 1"=30' JAN, 1987
PAT # 7019
ELEVATIONS SHOWN ARE IN
HOWARD COUNTY DATUM.

- Notes:
1. Septic field trench lengths are based on 180 sq ft / bedroom and a usable depth of 4 ft.
 2. Maximum depth of inlet is 3 ft.
 3. Septic tank volume is to be 1250 gal or larger.

I hereby certify that the above measurements and elevations are actual and correct for this property

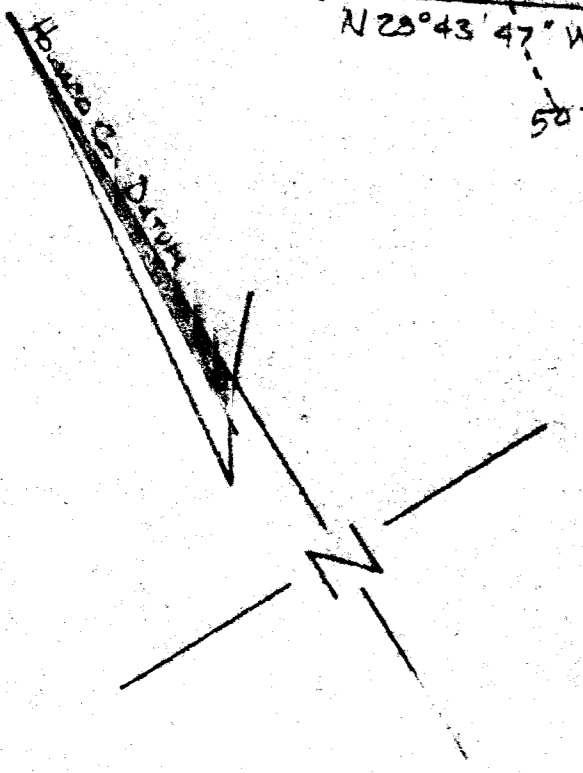
Jack Clark 4-25-87
Registered Professional Land Surveyor - MD4379

PREPARED BY
THE J.E. CLARK CO.
P.O. Box 147
LAUREL, MARYLAND 20707
870104-2



RUSSELL B. ZEPP
L 526 F 752 478 476 494

4/28/87
elevations &
stbl
BLDG. PERMIT SIGNED
AND RETURNED 4/28/87
BP11501



C1 3879

SEQUENCE NO. (OEP 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 A35711

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED grid: 041787

DEPTH OF WELL grid: 305 (TO NEAREST FOOT)

PERMIT NO. grid: H0-21-1940

OWNER WILBURN DONALD STREET OR RFD 6 LITTLE DRIVE TOWN CLARKSVILLE SUBDIVISION FOXHALL VILLAGES SECTION 2 LOT 15

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. Rows include Top Soil, Sandy, Sand Stone, Micka, Sand Stone, Micka.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 44 NO. OF POUNDS 440 GALLONS OF WATER 84 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 45 ft.

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

MAIN CASING Nominal diameter top (main) casing of main casing TYPE (nearest inch) (nearest foot) PL 6 55

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 HOLE PL OT PLASTIC OTHER

DEPTH (nearest ft.) grid: H0 S3 305

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...

DRILLERS IDENT. NO. 228

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) grid: 56 60

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

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

C3

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 2 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 20 WHEN PUMPING 155 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) LAND SURFACE

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)

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81 1940
 Location of property (road) ELLIOTT DRIVE
 Subdivision FOX HALL VILLAS Lot 15 Block Plat Sec. 2
 Well Driller RALPH MAYNE Owner DONALD WILBURN

Depth of well 305 ft
 Distance of measuring point (M.P.) above ground 2 ft
 Static water level (S.W.L.) below M.P. 20 ft

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 10 G.P.M
 Total time 45 min to reach pumping water level 195 ft ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45	195 ft	20 sec	60	3 G.P.M
9:00	195	20	120	3
9:15	195	20	180	3
9:30	195 ft	20 sec	240	3 G.P.M
9:45	195	20	262.5	3
10:00	195	20	285	3
10:15	195 ft	20 sec	300	3 G.P.M
10:30	195	20	322.5	3
10:45	195	20	345	3
11:00	195 ft	20 sec	360	3 G.P.M
11:15	195	20	382.5	3
11:30	195	20	405	3
11:45	195 ft	20 sec	420	3 G.P.M
12:00	195	20	442.5	3
12:15	195	20	465	3
12:30	195 ft	20 sec	480	3 G.P.M
12:45	195	20	502.5	3
1:00	195	20	525	3
1:15	195 ft	20 sec	540	3 G.P.M
1:30	195	20	562.5	3
1:45	195	20	585	3
2:00	195 ft	20 sec	600	3 G.P.M
2:15	195	20	622.5	3
2:30	195	20	645	3
2:45	195 ft	20 sec	660	3 G.P.M

55 ft PL 45" open 14 Gage

8/11/87 BEFORE NOW

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

WELL + SEPTIC 4 BDEMS NO DIS

New Installation
Replacement

Receipt # 39815
Date 8-3-87

Name of Installer TIMOTHY J. ROLLMAN

Telephone

License number 7079

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner CRAIG WILBURN Telephone 255-4236

Subdivision FOX HAW JUMP Lot # 15 Well tag # HO-81-1940

Site Address 13330 ELLIOTT DR
QUARISVILLE, MD. 21029

Pump

- 1. Type
 - a. Deep well jet
 - b. Shallow well jet
 - c. Submersible

Motor

- 1. Horsepower
- 2. RPM
- 3. Voltage
 - a. 110
 - b. 220

Pitless Adapter

- 1. Make HARVARD
- 2. Model #
- 3. Depth 4'

2. Make JACOBI

3. Model #

4. Capacity 10 GPM

5. Pump exceeds well capacity Yes No

6. If Yes, is low pressure cutoff switch installed? Yes No

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

Tank

- 1. Capacity 42 gal EDU.V
- 2. Pressure relief valve? yes

Piping

- 1. Type CRESTON
- 2. Size 1"
- 3. NSF and/or BOCA Code approved yes
- 4. Depth of supply line 4'

Well data

- 1. Depth ft.
- 2. Yield GPM
- 3. Static water level ft.
- 4. Will water supply be disinfected by installer? yes

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: [Signature]

Date: 8-3-87

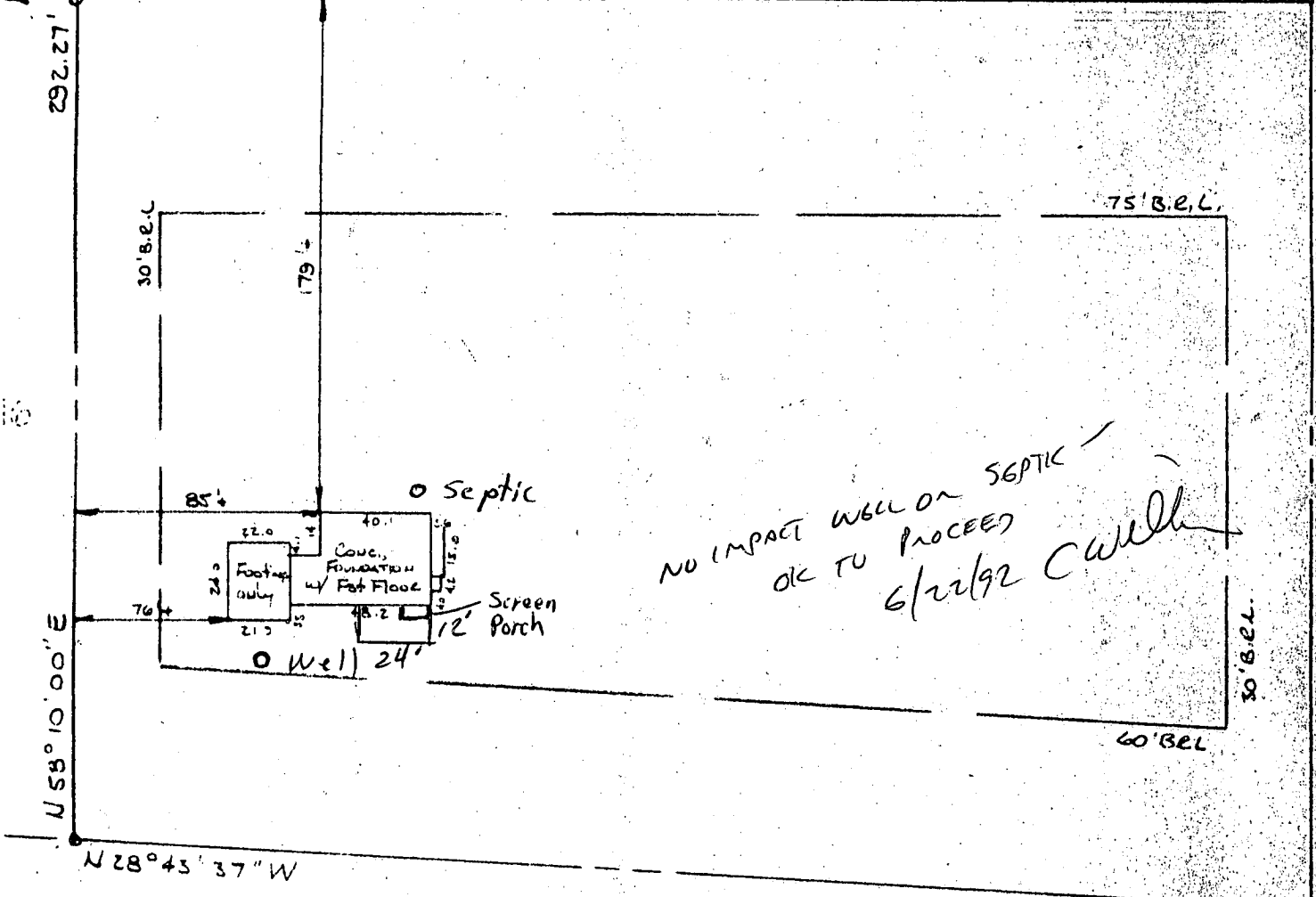
8/10/87 - OK TO COVER OUTSIDE WORK STICKER PUT ON WELL PRESSURE TANK NOT YET INSTALLED BY J

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

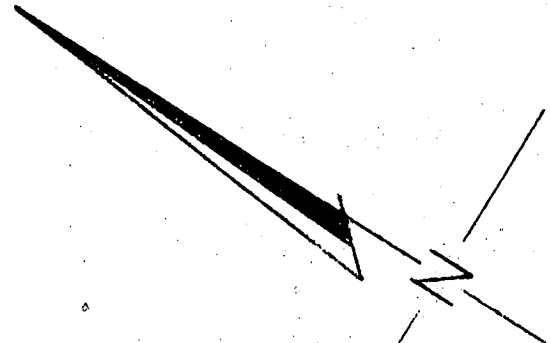
1.850' ± to
Triadelphia Mill Rd
S 31° 50' 00" E

ELLIOTT DRIVE
(50' 21")

430.67'



NO IMPACT WELL ON SEPTIC
OK TO PROCEED
6/22/92 C. Wall



SURVEYORS CERTIFICATE

I hereby certify that a careful transit tape survey has been made of the improvements on the property shown hereon and that they are as shown and that there are no encroachments except as shown.

[Signature]
 Registered Land Surveyor
 No. 4379
 PROFESSIONAL LAND SURVEYOR

WALL CHECK
 LOT 15
 FOX HALL VILLAS
 SECTION 2
 5TH ELECTION DISTRICT
 HOWARD CO., MARYLAND
 SCALE 1"=60' JULY 1987
 Plat No. 7019



THE J. E. CLARK COMPANY

LAND SURVEYING ENGINEERING
P.O. BOX 147 • LAUREL, MARYLAND 20707