

4/30/87
3-330 pms

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

P 38944

A 36097

DISTRICT 5th

DATE 3/17/87

DATE SYSTEM APPROVED 4/21/87

INSPECTOR C. Williams

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland PHONE 875-4197

SUBDIVISION Glennelg Manor II ROAD 12693 Folly Quarter LOT 1B

PROPERTY OWNER S. F. Contractors, Inc.

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 225 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 4 1/2 feet below original grade. Effective area begins at 3 feet below original grade. 1 1/2 feet of stone below distribution pipe.

LOCATION - Place the first trench on the 310 ft. contour starting at a point 15 feet from the front lot line and 75 feet from the left lot line. Run trench along contour toward left side of property. ok cw

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

INSTALL SYSTEM AS HIGH ON PROPERTY AS POSSIBLE. CW.

PLANS APPROVED BY C. Williams DATE 12/09/86

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 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 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.

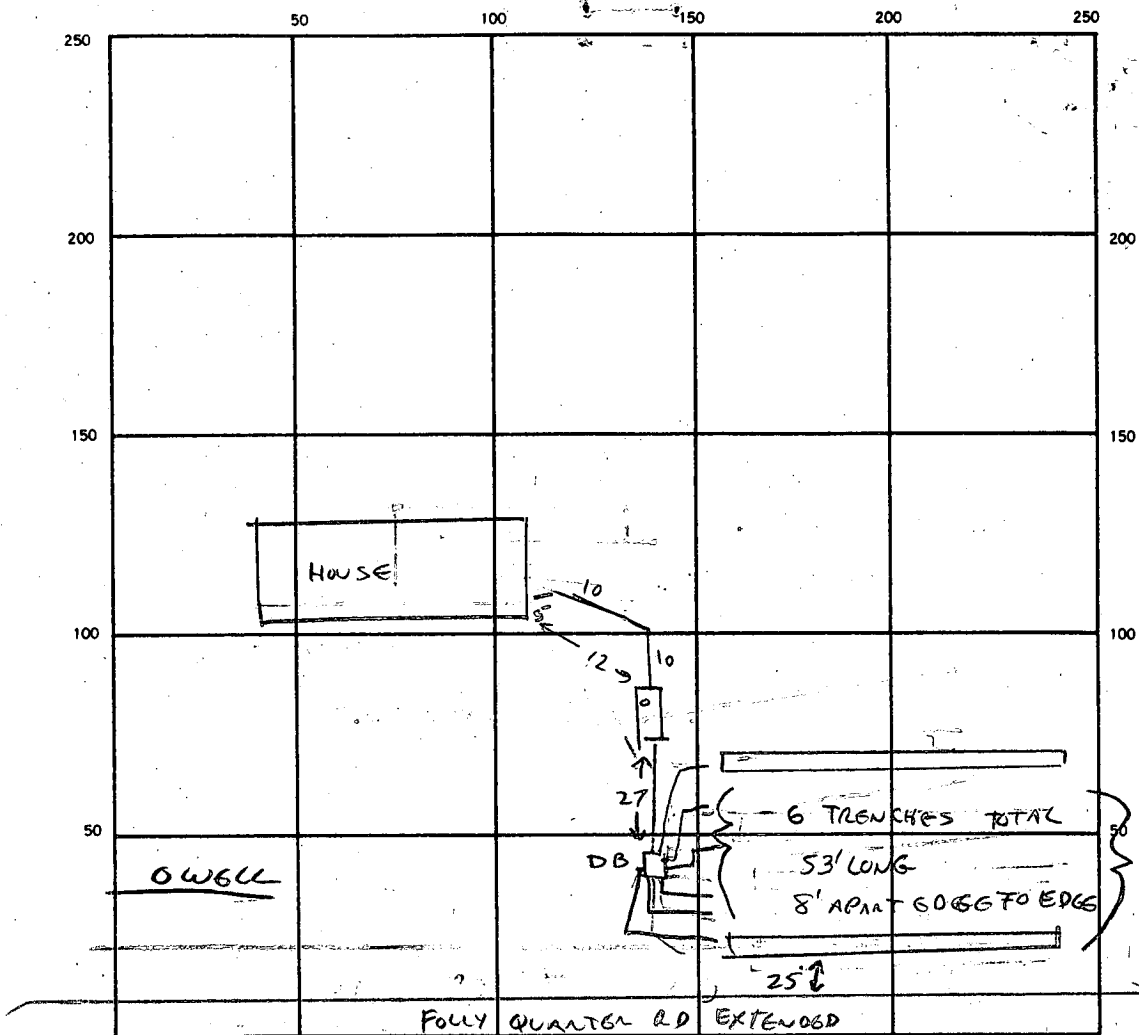
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 36097



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK. LEVEL ✓ CLEANOUTS ST ✓

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 4 1/2 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 1 1/2 FT. TOTAL LENGTH 318 FT.

NUMBER OF TRENCHES 6 (53' ea) ONE SIDEWALL/BOTTOM AREA 1008 SQ. FT.

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

ABSORBENT AREA 1008 SQ. FT.

REMARKS 4/20/87 1st two trenches OK
4/21/87 SYSTEM COMPLETE. CW

DATE SYSTEM APPROVED 4/21/87 INSPECTOR Craig Williams

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 36097
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____
DATE 10/15/85

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 Donald R. Reuver Jr.
ADDRESS 10176 Balto. Nat'l Pike PHONE 465-4920

PROPERTY LOCATION:
SUBDIVISION Gandy Manor LOT NO. 1B
ROAD AND DESCRIPTION Folly Quarter Rd.

SIZE OF LOT 1.2 acres TYPE BLDG. 3
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

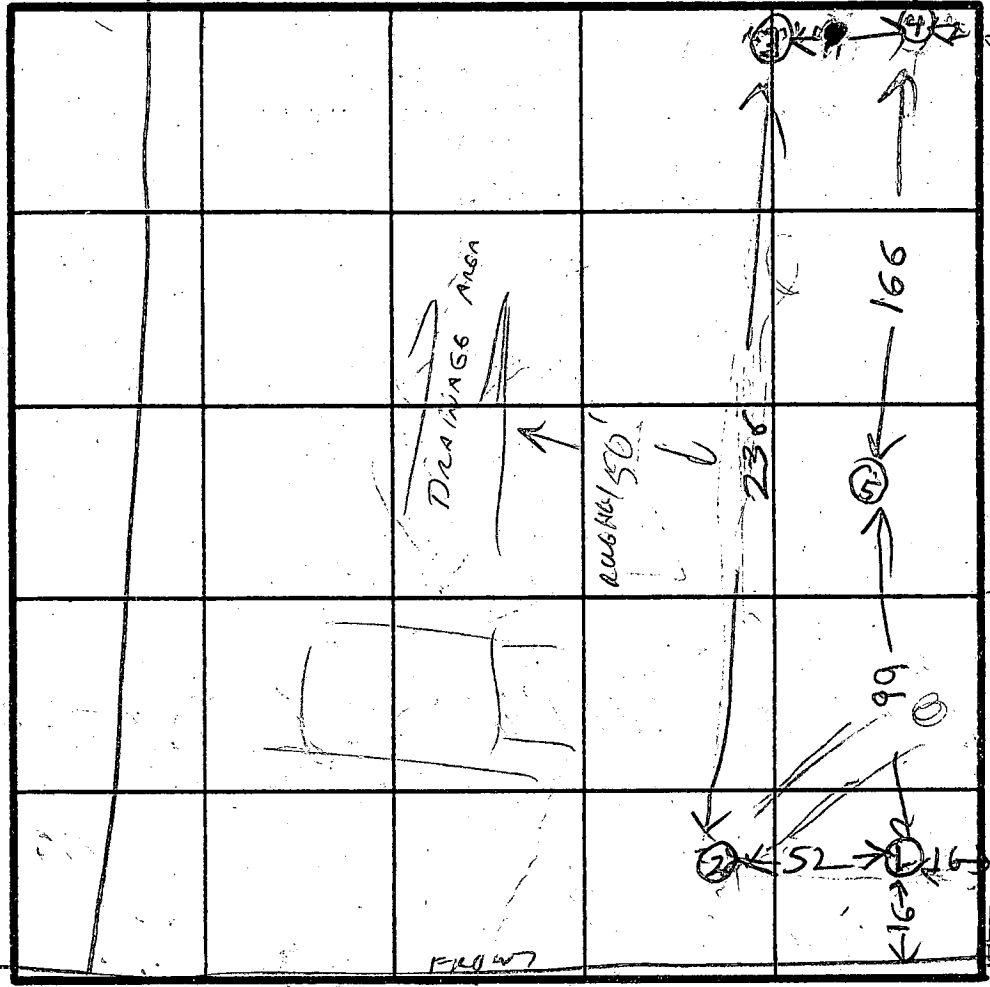
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

BACK



SOIL PROFILE

①
TOP SOIL CLAY
BROWN SAND LOAM

④
CLAY TOP SOIL
GRAY BROWN SAND LOAM

⑤
BROWN CLAY
BROWN SAND LOAM

②
CLAY TOP SOIL
BROWN SAND LOAM

③
BROWN CLAY
TAN & BROWN SAND LOAM
WATER

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

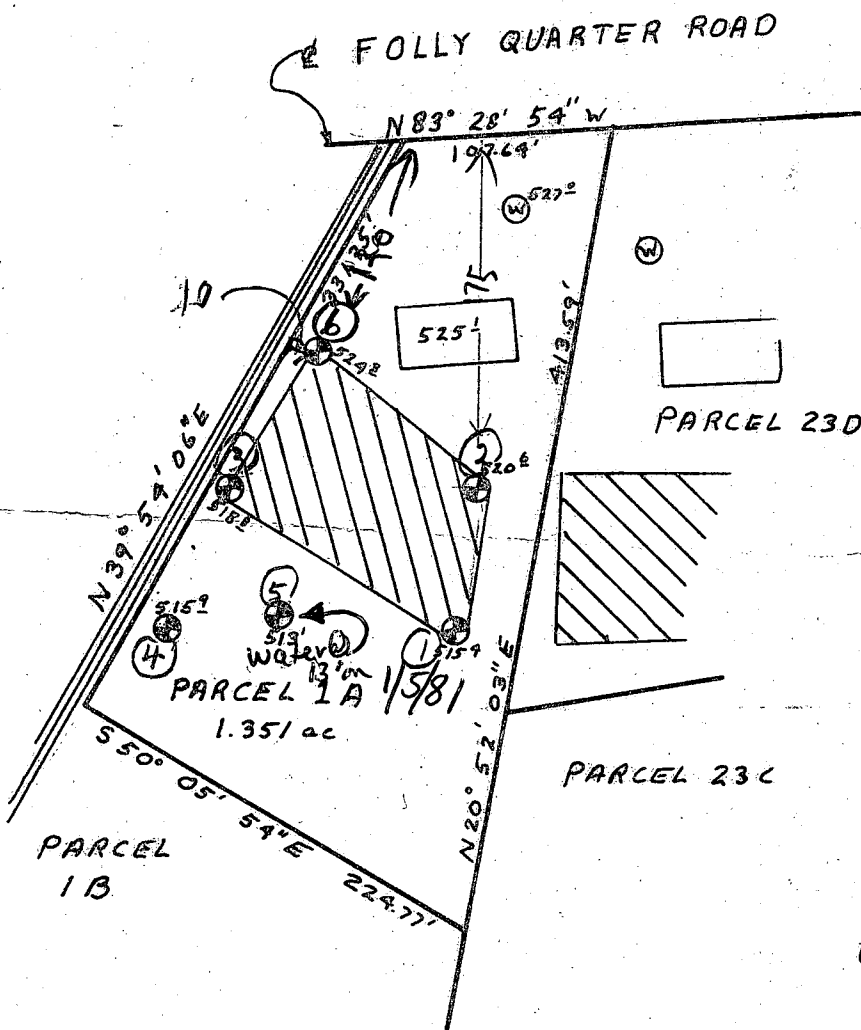
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
2/10/86	1S	3.5	1100	1110	1110	1117	
	1V	12	LOOKS	OK			
	2S	3.5	1108	1114	1114	1155	31
	2V	11	LOOKS	OK	BELOW 4 FT		
	3S	3.5	1121	1133	1133	1148	17
	3V	13.5	WATER 12 FT				
	4S	3.5	1123	1125	1125	1127	2
	4V	13	LOOKS OK				
	5V	11.5	SEE SOIL PROFILE				
			WATER 11 FT				

HOLE ELEVATION
 ① = HIGHEST
 ② = NEXT HIGH
 ④ = MEDIUM
 ③ = LOW

REMARKS WELL ON NEXT LOTS NOT TOO CLOSE TO HOUSES (1, 2, 3, 4)
 HOUSE BUILT ON ADJACENT LOTS

TYPE OF SOIL _____
 TESTED BY B HODGES & WILLIAMS ALSO PRESENT KETTER MAN & BREWER

EH-12-1079



[Hatched Area] This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

Percolation test holes shown hereon have been field located and shown as "⊙".

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

Percolation areas and water wells for adjoining lots have been shown where pertinent.

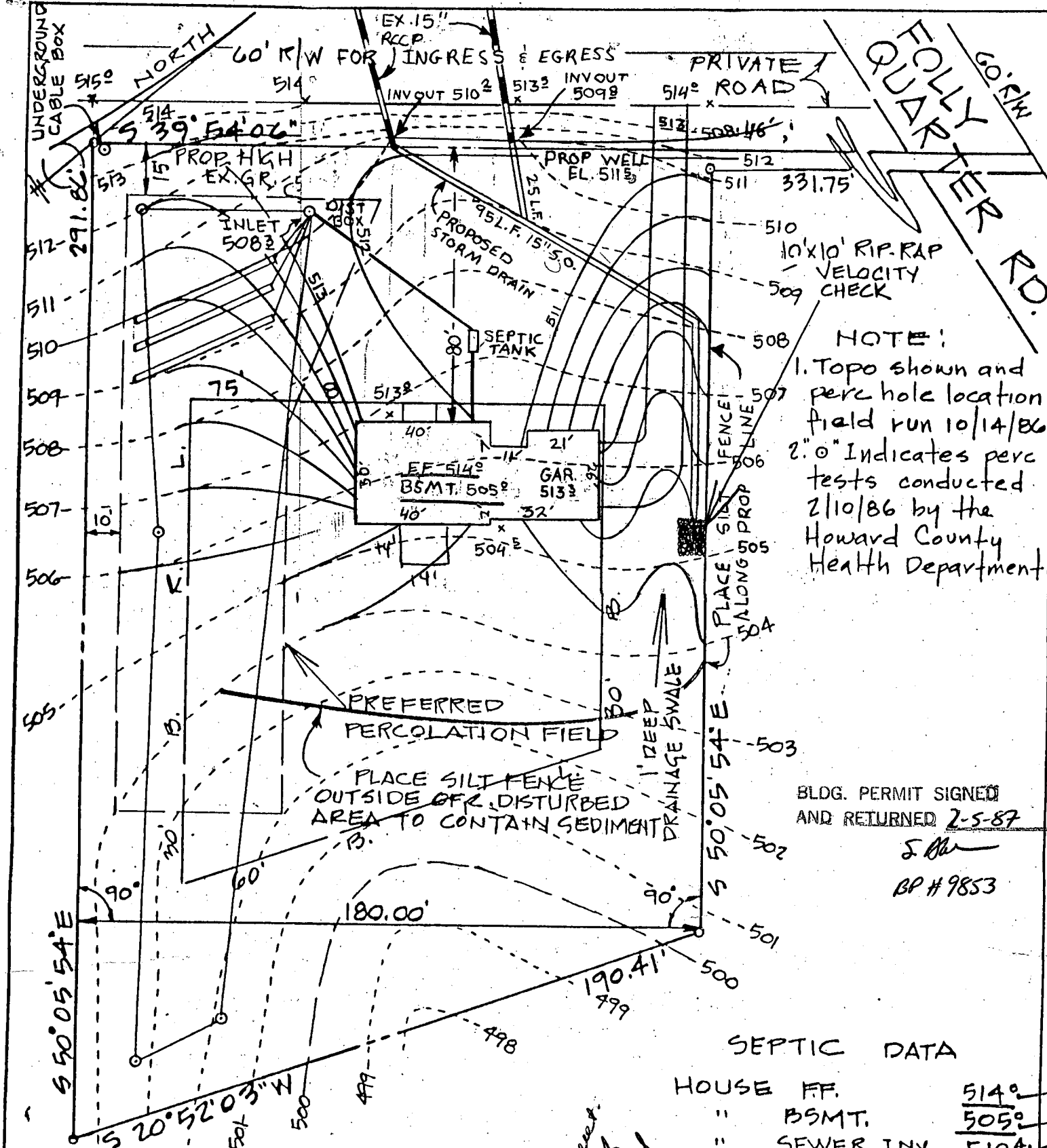
APPROVED: For Private Water and Private Sewage Systems

County Health Officer

1/12/82 to D. Boyd
Date

PERCOLATION TEST PLAT
 PARCEL 1A
 GLENELG MANOR
 Section Two
 5th Election District
 Howard County, Maryland
 Scale 1"=100'
 Date 1/5/82

NTI Associates
 Suite 307, Clark Bldg.
 Columbia, MD 21044
 321-0307



NOTE:
 1. Topo shown and perc hole location field run 10/14/86
 2. 'o' Indicates perc tests conducted 2/11/86 by the Howard County Health Department

BLDG. PERMIT SIGNED AND RETURNED 2-5-87
 S. [Signature]
 BP # 9853

SEPTIC DATA

HOUSE FF.	514°
" BSMT.	505°
" SEWER INV.	5104
SEPTIC TANK INV. IN	5098
" " OUT	5095
" " FIN. GR.	5116
DISTRIBUTION BOX INV.	5083
" " FIN. GR.	5126
WELL EX. GR.	5110
" FIN. GR.	5115
TRENCHES 2' WIDE X 5' APART X	
5 STONE BELOW INLET X	
INLET 2' BELOW ORIGINAL GRADE X	
3 TRENCHES - 45' LONG X	

*1-28-87
 Elumensch
 Specs incorrect - correct.
 spec sent w/ notice of
 hole till apt. installed
 SMC*

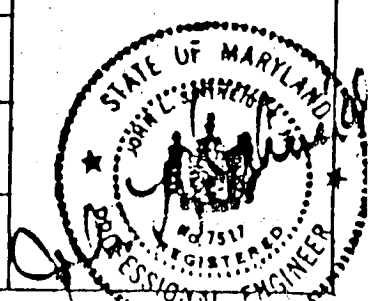
ENGINEER
 John L. Schneider P.E.
 100 N. Rolling Road
 Catonsville, Md. 21228
 301-744-1945

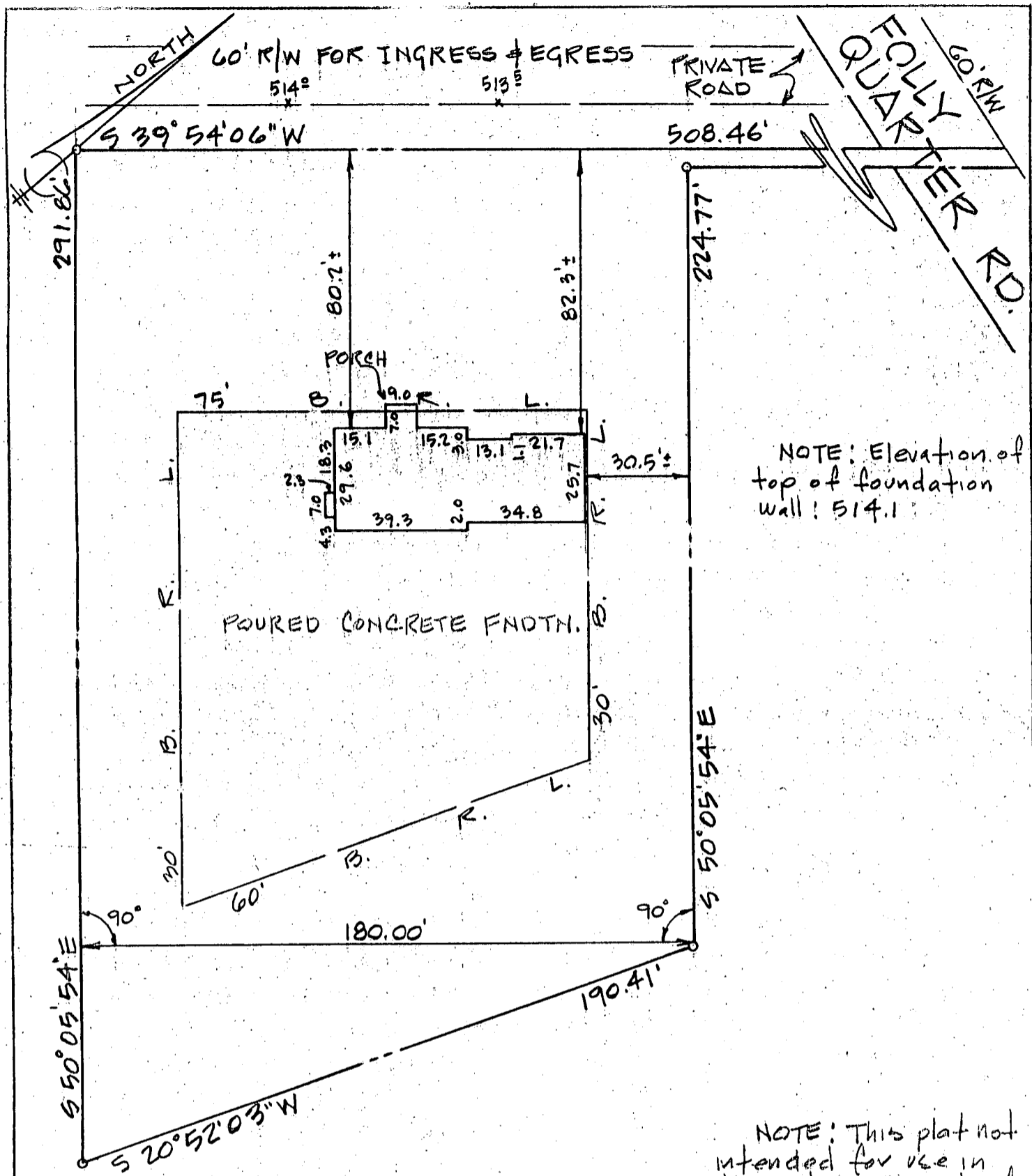
GRADING STUDY

LOT 1B SECTION 2
 "GLENELG MANOR"
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY - MD.

SCALE 1" = 40'

OCT. 15, 1986





NOTE: This plat not intended for use in the establishment of property lines.

ENGINEER
John L. Schneider P.E.
100 N. Rolling Road
Catonsville, Md. 21228
301-744-1945

ENGINEER'S CERTIFICATE
I, John L. Schneider, P.E., hereby certify that the improvements to the property shown hereon do exist and all given dimensions are correct.

FOUNDATION CERTIFICATION

LOT 1B SECTION 2
"GLENELG MANOR"

FIFTH ELECTION DISTRICT
HOWARD COUNTY - MD.

SCALE 1" = 40'

MARCH 9, 1987



C1 3738

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 A-36097

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED 120986

DEPTH OF WELL 225

PERMIT NO. 49-81-1798

OWNER FORNEY STRUB
STREET OR RFD POPEY QUARTER RD. 1293 TOWN GLENELG
SUBDIVISION GLENELG MANOR SECTION 2 LOT 1R

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. Rows include Top Soil, Sandy Sandstone, Micka, Sandstone, Micka.

GROUTING RECORD WELL HAS BEEN GROUTED (Y/N)

TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 21 NO. OF POUNDS 2700
GALLONS OF WATER 144
DEPTH OF GROUT SEAL (to nearest foot) from 0 to 45 ft.

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

MAIN CASING Nominal diameter Total depth
TYPE top (main) casing of main casing (nearest inch) (nearest foot)
(PL) 6 50

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

SCREEN RECORD screen type or open hole insert appropriate code below
(ST) STEEL (BR) BRASS (HO) OPEN HOLE (PL) PLASTIC (OT) OTHER

SCREEN DEPTH (nearest ft.) (HO) 225

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

WHEREBY 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 COMPLETED TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 2293
DRILLERS SIGNATURE Ralph Morgan

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

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

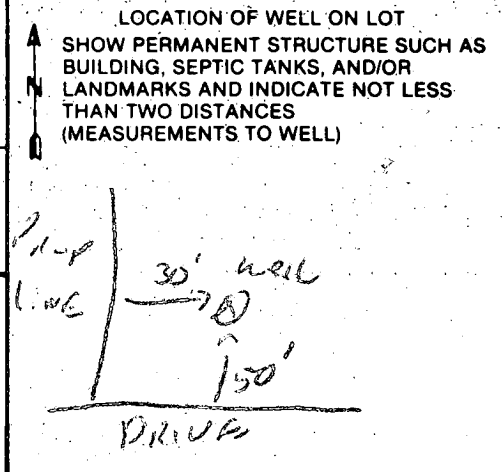
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

C3

PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min. to nearest gal.) 10
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 20 WHEN PUMPING 45
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 (nearest foot)



B 1: 5784 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 1798 10-81-1798 fill in this form completely

Date Received

8 13

OWNER INFORMATION

15 Last Name: FOUNAY, 16 First Name: STEVE, 36 Street or RFD: 3308 BRANTLEY CT, 57 Town: FARMWOOD, 70 State: MD, 76 Zip: 21086

B 3

LOCATION OF WELL

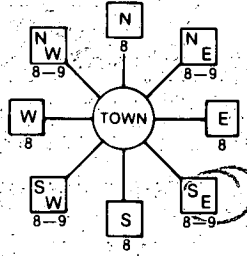
8 COUNTY: ALLEGANY, 23 SUBDIVISION: FARMWOOD, SECTION: 44, LOT: 48, 52 NEAREST TOWN: FARMWOOD, MILES FROM TOWN: 73, 76, 77, 78

DRILLER INFORMATION

Driller's Name: Ralph Wayne, 77 License No. 423, Firm Name: Ralph Wayne Well Drilling, Address: 6100 Kilmartin Road, P.O. Box 10, Farmwood, MD 21086, Signature: Ralph Wayne, Date: 10/26/86

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



NEAR WHAT ROAD

11 Folley Quanten Rd, 37 DISTANCE FROM ROAD: 400, ENTER FT or MI: 4

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 4, AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 400

- 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

COUNTY NAME: HANOVER, COUNTY NO. A3609M, OEP SIGNATURE: [Signature], DATE ISSUED: 12/03/86, CO SIGNATURE: [Signature], EXP. DATE: 06/03/87, NORTH GRID: E 18000, EAST GRID: 0812000

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

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 DEEPEMED AN EXISTING WELL, PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE):

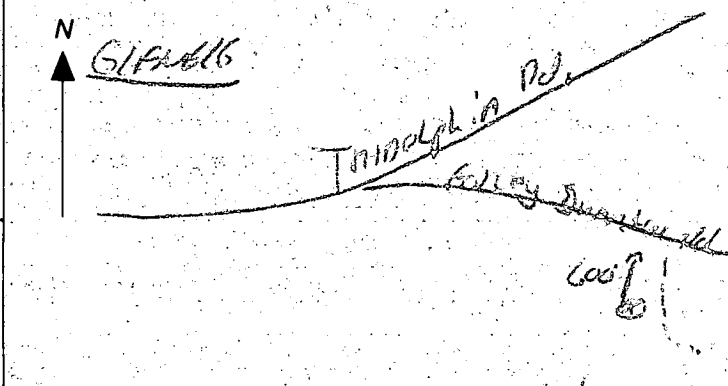
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER 1. well, 2., 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8122, N 5108

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)

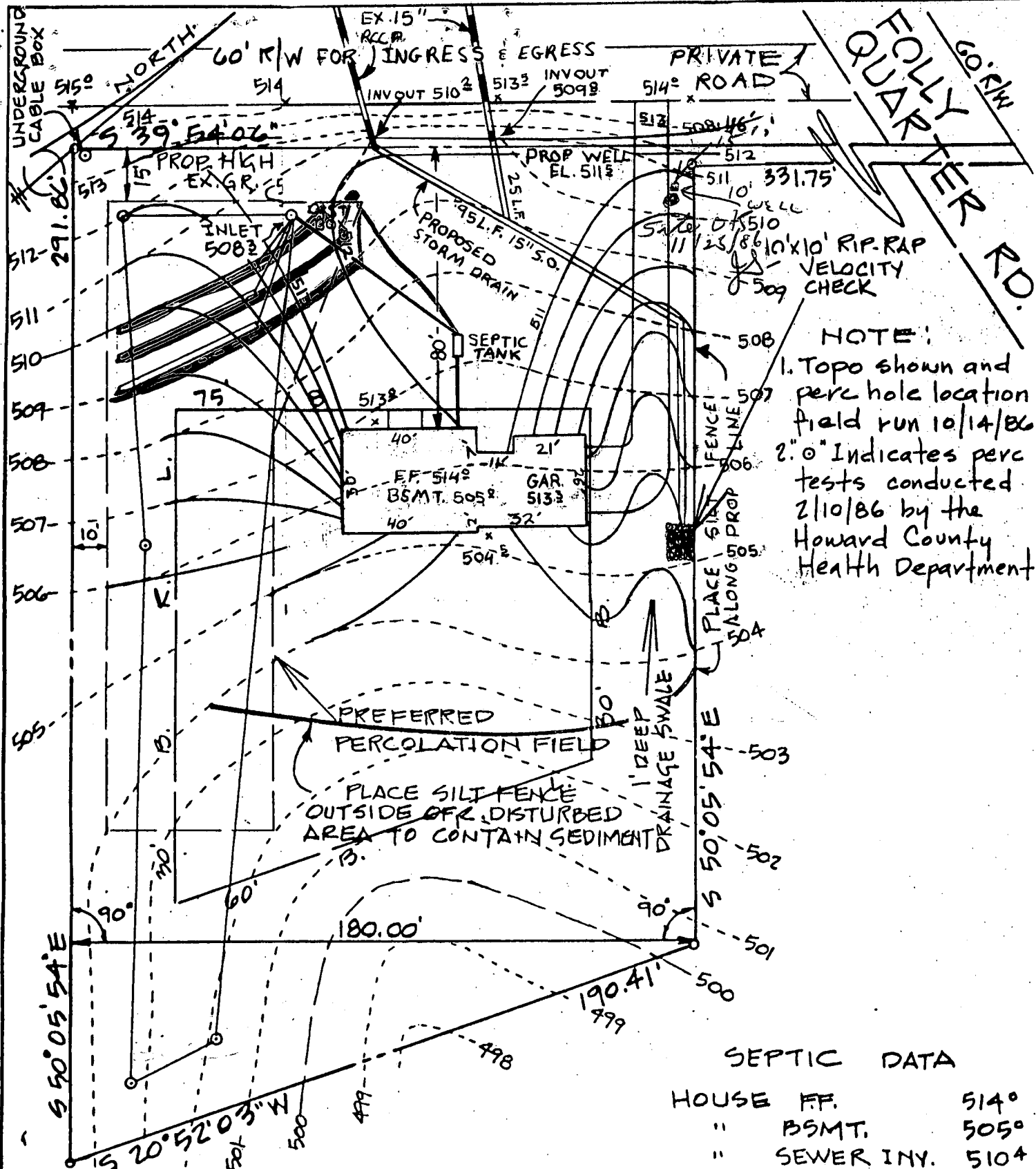
APPROP. PERMIT NUMBER: GAP

FORCE: 1A, PERMIT No.: 10-81-1798

SPECIAL CONDITIONS

- ① LOCATION OR
- ② 50 FT OPEN HOLE
- ③ 24 BAGS
- ④ NEW OR
- ⑤ ARRIVED LATE 1100 PM FOR 930 GWW
BECAUSE LEFT OFFICE LATE
GOT INFORMATION FROM BOBBY
THE GROOMER

12/9/86
R. J. Hodger



NOTE:
 1. Topo shown and perc hole location field run 10/14/86
 2. 'o' Indicates perc tests conducted 2/10/86 by the Howard County Health Department

SEPTIC DATA	
HOUSE FF.	514°
" BSMT.	505°
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" " " OUT	5095
" " FIN. GR.	5116
DISTRIBUTION BOX INV.	5083
" " FIN. GR.	5126
WELL EX. GR.	5110
" FIN. GR.	5115
TRENCHES 2' WIDE	
5' APART	
5' STONE BELOW INLET	
INLET 2' BELOW ORIGINAL GRADE	
3 TRENCHES - 45' LONG	

ENGINEER
 John L. Schneider P.E.
 100 N. Rolling Road
 Catonsville, Md. 21228
 301-744-1945

GRADING STUDY
 LOT 1B SECTION 2
 "GLENELG MANOR"
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY - MD.
 SCALE 1" = 40'
 OCT. 15, 1986



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

New Installation
 Replacement

Receipt # 39120
 Date 4/13/87

Name of Installer CLARKE P+H Inc

Telephone 489-4029

License number 3808
 Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner S.F. Contractor Inc Telephone 442-1133
 Subdivision Glenelg Manor Lot # 2-B Well tag # - - -
 Site Address 12693 Folly Quarter Rd

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
 2. Model #
 3. Depth

2. Make
 3. Model #
 4. Capacity 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
 2. Pressure relief valve? 75 lbs

Piping

1. Type Plastic
 2. Size 1"
 3. NSF and/or BOCA Code approved
 4. Depth of supply line 42"

Well data

1. Depth ft.
 2. Yield GPM
 3. Static water level ft.
 4. Will water supply be disinfected by installer? NO

PITLESS & SUPPLY LINE 3/2" BIG 4/21/87 CW

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: Kenneth C. Clarke

Date: 3-31-87

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