

11/14/84 - WPI - a.m. plan approved 11/13/84
Stage P 34458

11/13/84
first thing
& final insp
around noon

PERMIT

A 26684

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

05-374235

ELLICOTT CITY
DISTRICT 5th.

INDEXED

DATE 10/11/84

Bud Arnold Septic Tank Service IS PERMITTED TO INSTALL ALTER

ADDRESS Jacobs Road, Mt. Airy, MD 21771 PHONE 795-7873

SUBDIVISION glenelg Manor II ROAD 12715 Folly Quarter LOT 5B, Sec. 2

PROPERTY OWNER Craig Munshower

ADDRESS 9170E Hitching Post Lane
Laurel, Maryland 20707

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 130 sq. ft. per bedroom. Minimum Total sq. ft. 720. Trench to be 2 feet wide. Inlet 4 1/2 feet below original grade. Maximum depth 10 feet below original grade. Effective area begins at 6 feet below original grade. 5 1/2 feet of stone below distribution pipe.
LOCATION: Run trenches along level ground, starting at a point 110 feet from the 604 ft. lot line, and 125 feet from the 229.9 ft. lot line. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

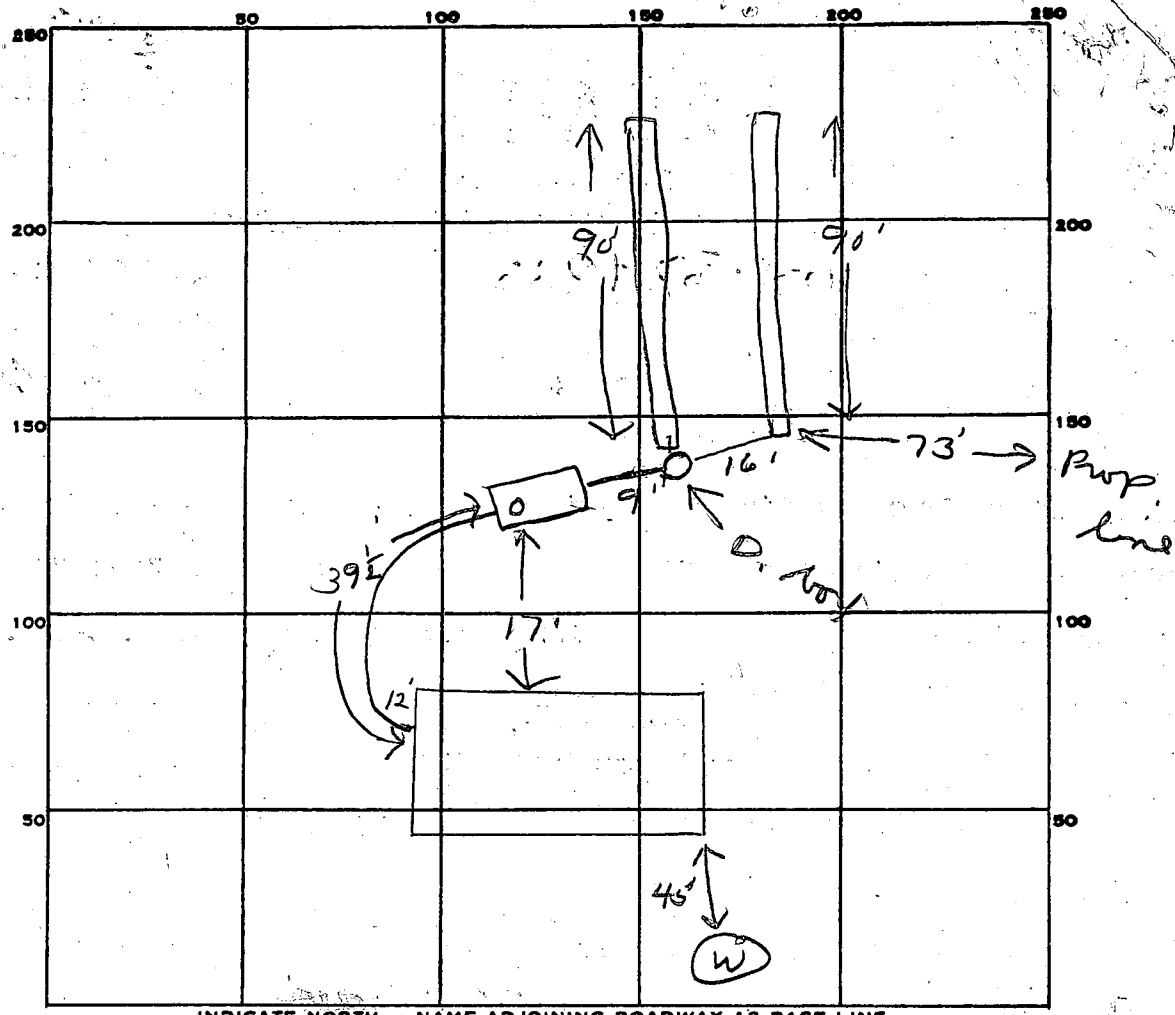
PLANS APPROVED BY Craig Williams DATE 2/3/83

- 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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.
- 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 THREE 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.

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

AD 26684

15
14
10
39 1/2



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Road

PERMIT CARD _____

SEPTIC TANK, LEVEL 1250 gal CLEANOUTS 5T

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH 10 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 5 1/2 IN. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA 720

180
4
720

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 720 SQ. FT.

REMARKS 11/13/84 OK to add stone in trenches of
11/13/84 OK to cover all work of

DATE SYSTEM APPROVED 11/13/84 INSPECTOR Stayer

Subdivision: GLEN ELG MANOR

SEC II

Lot # 5B

A26684

TRENCHES

180 sq ft / bdrm

4 B.R. per Wm. Doyle's elevation drawing

	<u>SEPTIC TANK</u>	<u>Minimum Total Sq. ft.</u>
if 3 bdrm →	1000 GAL.	<u>489</u>
if 4 bdrm →	1250 GAL.	<u>652</u>
5 bdrm	1500 GAL.	<u>720</u>

TRENCH 2 WIDTH

INLET 4 1/2 ft below ORIGINAL GRADE

MAXIMUM DEPTH 10 ft below ORIGINAL GRADE

EFFECTIVE AREA BEGINS AT 6 ft below ORIG. GD.

5 1/2 ft OF STONE below distribution pipe.

NOTE: ① NO TRENCH TO EXCEED 100 FT IN LENGTH

② IF MORE THAN ONE TRENCH USED, A DISTRIBUTION BOX IS REQUIRED

③ TRENCHES TO BE INSTALLED ON LEVEL GROUND.

LOCATION: RUN TRENCHES ALONG LEVEL GROUND, STARTING

AT A POINT 110 FT FROM THE 604 FT LOT LINE, AND 125 FT FROM

THE 229.9 FT LOT LINE.

2-3-83 C. Williams

APPLICATION

5B

A 26684

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 5th

DATE 8/16/77

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

File
10/29/82
9:30 A.M.

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 D. Craig + Cheryl Munshower
Howard Associates
ADDRESS 9170-E Hitching Post Lane PHONE Rhett Realty 465-4920
Laurel, Md 20707 776-0998

PROPERTY LOCATION:

SUBDIVISION Glenelg Manor - Section 2 LOT NO. 5B - Sec. 2
12715
ROAD AND DESCRIPTION Off Folly Quarter RD.

SIZE OF LOT 40,000 square feet ± TYPE BLDG. 3 or 4
NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE N/A

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Dale Maisel

APPROVED BY C. Williams FOR TRENCHES DATE 11-8-82
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

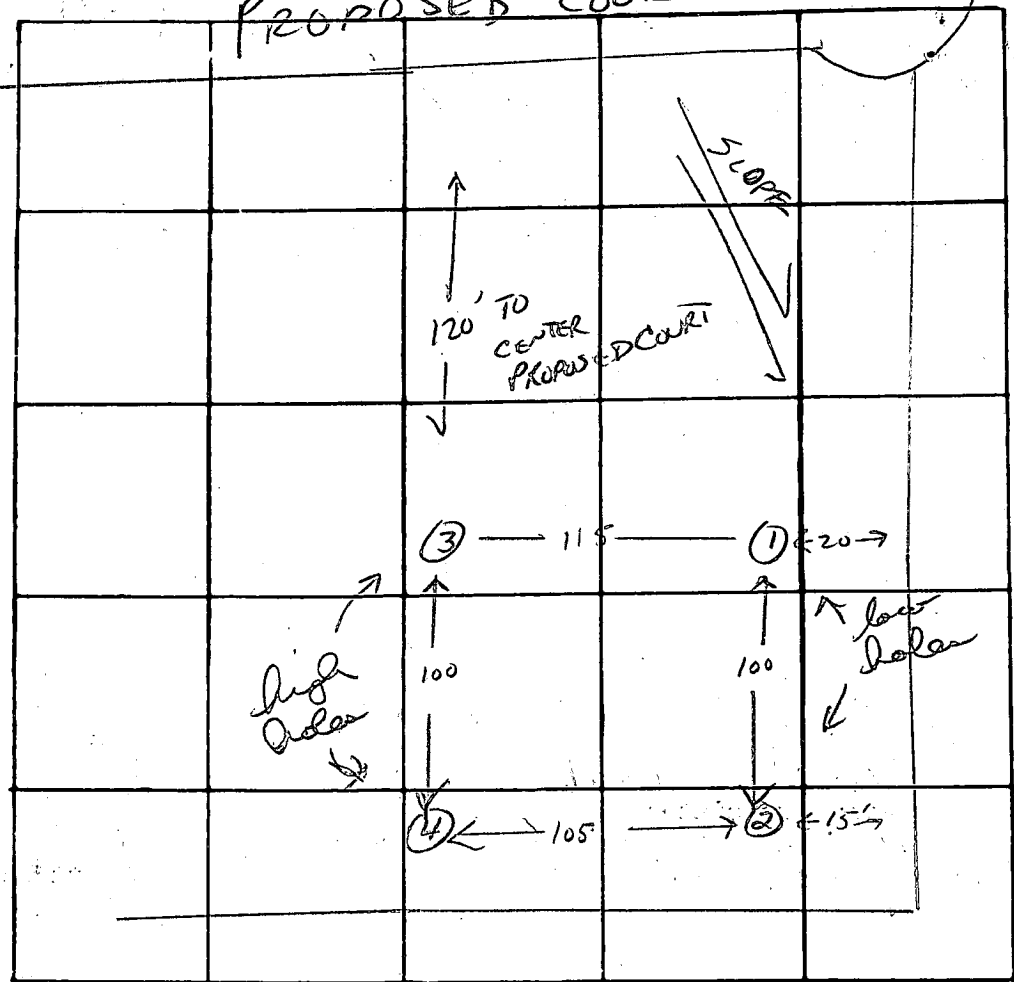
REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 7/18/84
Serial # 52967 SFD

THIS IS NOT A PERMIT

TO FOLLY QUARTER RD
 ↑ 5B

PROPOSED COURT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

ALL HOLES

TOPSOIL 8" ORANGE CLAY W/ INCREASING % SAND MOSTLY SAND BY 7 1/2

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-8-82	1	6'	10:11	10:28	10:28	10:48	20 MIN
		✓ 10'	MOSTLY SAND				
11-8	2	5 1/2'	10:18	10:23	10:23	10:29	7 MIN
		10', 14'	SAND				
11-8-82	3	6'	10:39	10:44	10:44	10:49	5 MIN
		10'	SAND				
11-8	4	6'	10:51	10:54	10:54	10:57	5 MIN
		10'	SAND				

REMARKS NEED INLET AT 6' TO GET BELOW CLAY LAYER

TYPE OF SOIL CLAY CHANGING TO SAND

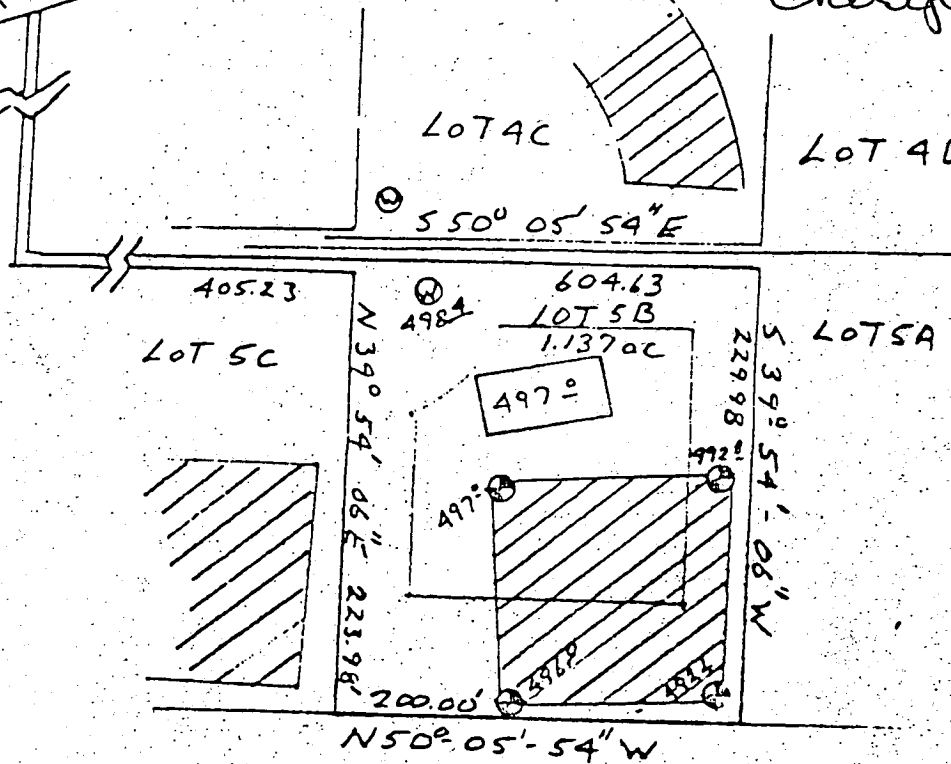
TESTED BY C. Wilton DON REUWER ALSO PRESENT: 0 KETTERMAN & CREW

Craig + Cheryl Munshower

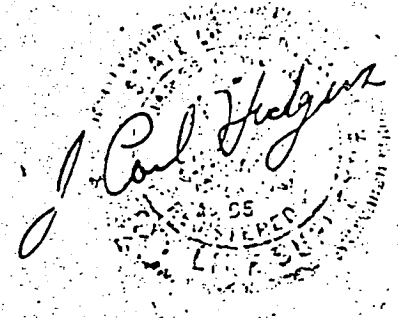
Craig - Work 953-7100
X 7328


Cheryl Work 460-5707

Folly
Quarter
Road



4/12/83
well site OK
F.S.



 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.

PERCOLATION TEST PLAT
 PARCEL 5 B
 GLENELG MANOR
 SECTION TWO

5th Election District
 Howard County, Maryland
 Scale 1" = 100'
 Date 11-24-82

APPROVED: For Private Water and Private Sewage Systems

Joanna Byrnes
 County Health Officer

2-4-83
 DATE

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

B 1 0305

SEQUENCE NO. 5/13/83
(OEP USE ONLY)

STATE OF MARYLAND

OEP PERMIT NUMBER

HO-81-0048

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

please print or type

fill in this form completely

Date Received 04/04/83

B 3 LOCATION OF WELL

OWNER INFORMATION

MURSHOWER BRADY

9170E HITCHHOP POST LA.

LAUREL MD 20707

HOWARD COUNTY

GLENELG MANOR

SECTION 2 LOT 5-B

GLENELG

MILES FROM TOWN (enter 0 if in town) 2 MI

DRILLER INFORMATION

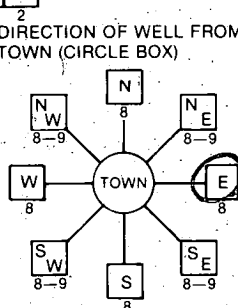
Ralph MAYNE 273

Ralph MAYNE (well Drilling)

143 Box 9120 Mt. Airy Md.

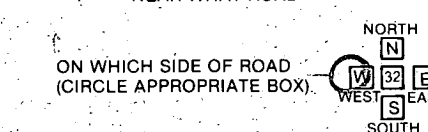
Ralph Mayne 3/30/83

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



HERTIAGE HILL LA

NEAR WHAT ROAD



DISTANCE FROM ROAD 350 FT

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

A26684

COUNTY NAME COUNTY NO. STATE HEALTH INSERT S

DATE ISSUED 04/11/83 Frank Skene 10/11/83

NORTH GRID 516000 EAST GRID 0812000

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

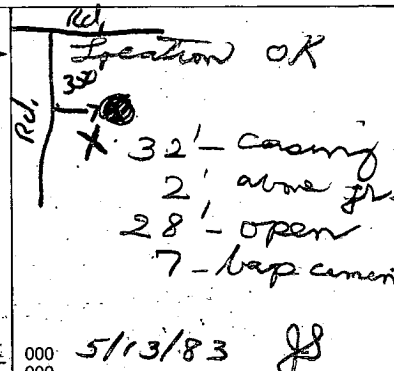
- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary DRive-POINT
other

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

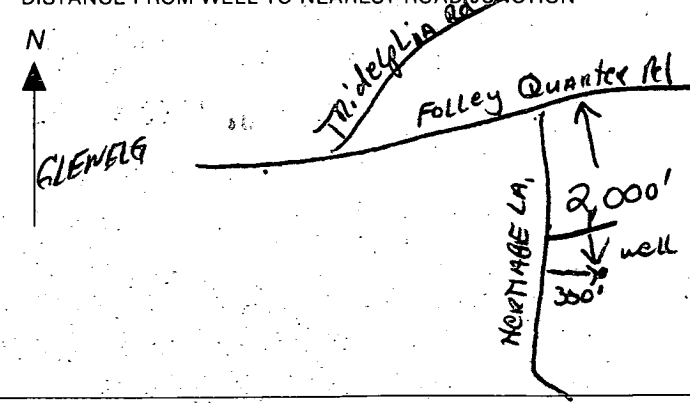
810 2
510 6



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

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

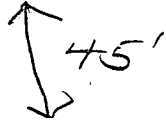


Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE 55 WRITE INITIALS IN BOX PERMIT NO. HO-81-0048

SPECIAL CONDITIONS



W (0048)

Rd

11/14/84 - Pitless, pump & riser installed
at $4\frac{1}{2}$ ft below grade. No work completed
inside. JS (installer Superior Plumber)

CI 7721 SEQUENCE NO. (OEP 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 A26684

Date Received (OEP use only)

DATE WELL COMPLETED
 05/13/88

Depth of Well
 160 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
 40-81-0048

OWNER: Munshower (last name), Craig (first name)
 STREET OR RFD: Heritage Hill Lane TOWN: Glenelg
 SUBDIVISION: Glenelg Manor SECTION: 2 LOT: 5R

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	
Top Soil	0	2	
Sandy	2	22	
Sand Stone	22	30	✓
Mic KA	30	50	
Sand Stone	50	60	✓
Mic KA	60	160	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)
 TYPE OF GROUTING MATERIAL
 CEMENT (CM) BENTONITE CLAY (BC)
 NO. OF BAGS 7 NO. OF POUNDS 300
 GALLONS OF WATER 42
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 28 ft.

CASING RECORD
 casing types insert appropriate code below
 STEEL (ST) CONCRETE (CO)
 PLASTIC (PL) OTHER (OT)
 MAIN CASING TYPE: PL
 Nominal diameter top/main casing (nearest inch): 6
 Total depth of main casing (nearest foot): 32

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

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

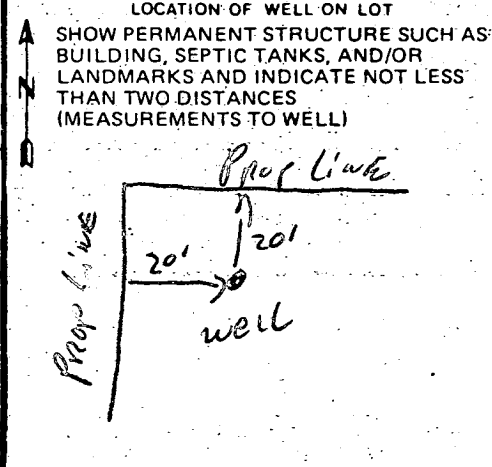
DEPTH (nearest ft.)
 #10 30 160
 SLOT SIZE: 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH)
 from to

GRAVEL PACK
 IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX (F)

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

PUMPING TEST
 HOURS PUMPED (nearest hour): 3
 PUMPING RATE (gal. per min. to nearest gal.): 5
 METHOD USED TO MEASURE PUMPING RATE: Bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING: 22
 WHEN PUMPING: 160
 TYPE OF PUMP USED (for test): S (submersible)

PUMP INSTALLED YES (Y) NO (N)
 DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX)
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP (WRITE APPROPRIATE LETTER 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 LAND SURFACE
 (-) below (nearest foot): 2



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

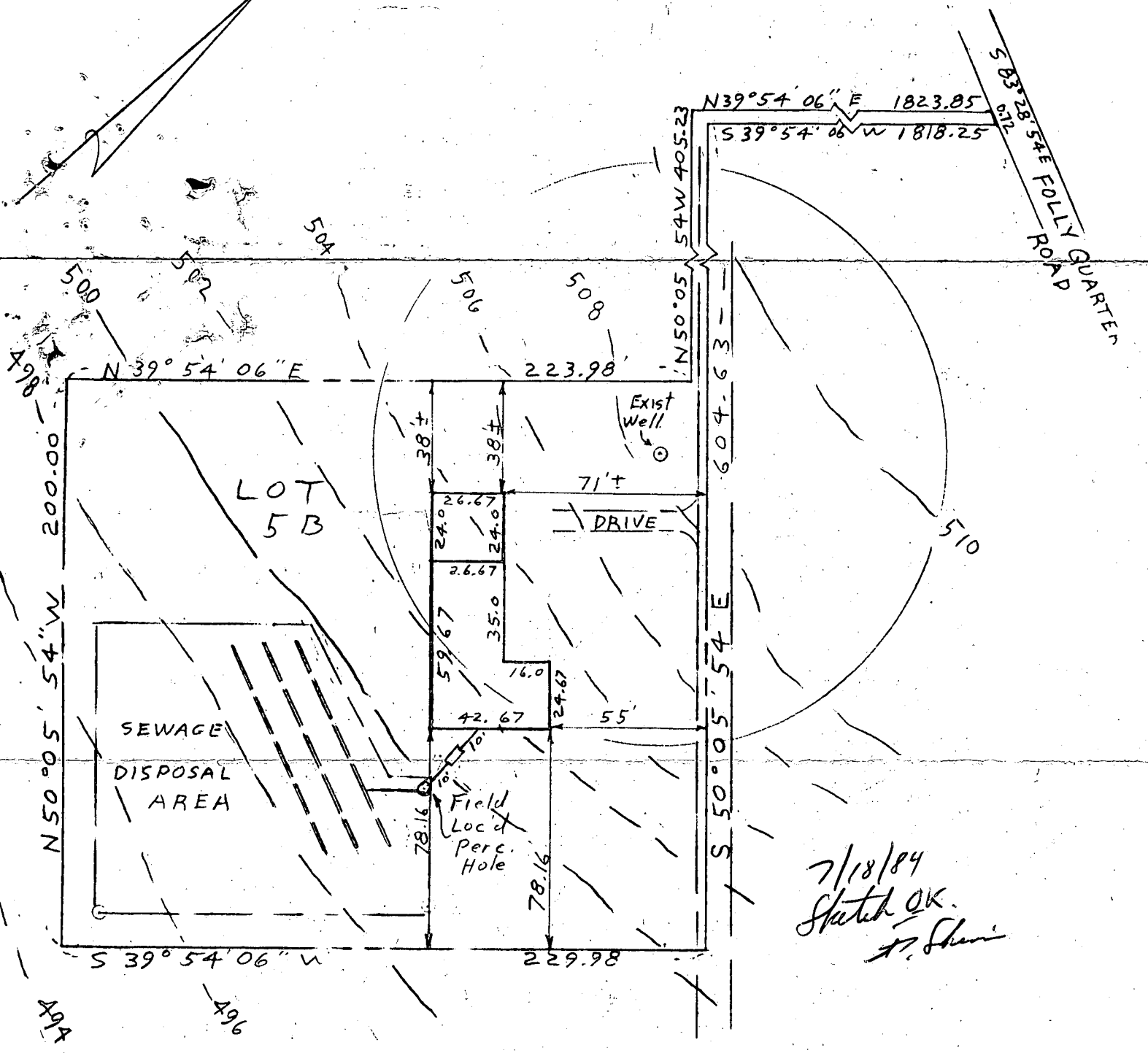
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 273
 DRILLERS SIGNATURE: Ralph E. Mayne
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

William E. Doyle

LAND SURVEYOR 8440

5312 EMERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE (301) 795-2210



7/18/84
Sketch OK.
W. Sherr

EXIST. GRN. AT DISTR. BOX	499.70
INV. IN DISTR. BOX	496.20
INV. OUT SEPTIC TANK	496.40
INV. IN SEPTIC TANK	496.80
INV. OUT OF DWELLING	497.00
FIRST FLOOR ELEV.	505.00
CELLAR ELEV.	496.00
WELL ELEV.	508.20
NO. OF BEDROOMS	4
ACREAGE	1.137 ACRES

PLOT PLAN
 LOT 5B, SECTION 2
 GLENELG MANOR
 ELECTION DISTRICT 5
 HOWARD COUNTY MD
 SCALE: 1" = 50'
 DRAWN: JUNE 22, 1984



I CERTIFY THE ABOVE MEASUREMENTS AND ELEVATIONS ARE ACTUAL AND CORRECT FOR THIS PROPERTY
 signed William E. Doyle

William E. Doyle