

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3rd

DATE 4/4/79

INDEXED

Approved  
(GK)  
17 Apr 79

P 29669

A 25564

03-305309

~~4/12/79~~  
~~4/17/79~~

Robert L. Orndorff

IS PERMITTED TO INSTALL X ALTER

ADDRESS 9401 5th Street, Laurel, Md. 20810

PHONE 725-4969

SUBDIVISION Cameron Tract

ROAD 3581 Folly Quarter Rd. LOT 1

PROPERTY OWNER Mr. & Mrs. ~~RREX~~ Frederick C. Muhl

ADDRESS \_\_\_\_\_

SPECIFICATIONS 4 6 bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

DEEP TRENCH \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA \_\_\_\_\_ SQ. FT.

INLET PIPE \_\_\_\_\_ FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH \_\_\_\_\_ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT \_\_\_\_\_ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AND \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AS SEEN WHEN

DRY WELL AND TRENCH SYSTEM - To have 166 sq. ft. effective sidewall absorption area per bedroom to begin below the first 4 ft. of original grade.

Place the dry well 45 ft. from the left side line and 60 ft. from the rear lot line as seen when facing the property from Folly Quarter Road. Maximum depth permitted for dry well or trench is 10 ft. below original grade. Start the trench after a 5 foot earth buffer with the dry well and proceed to dig it on level ground the necessary distance, towards the left rear corner of the lot.

PLANS APPROVED BY Frank Skinner

DATE 12/7/77

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 PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

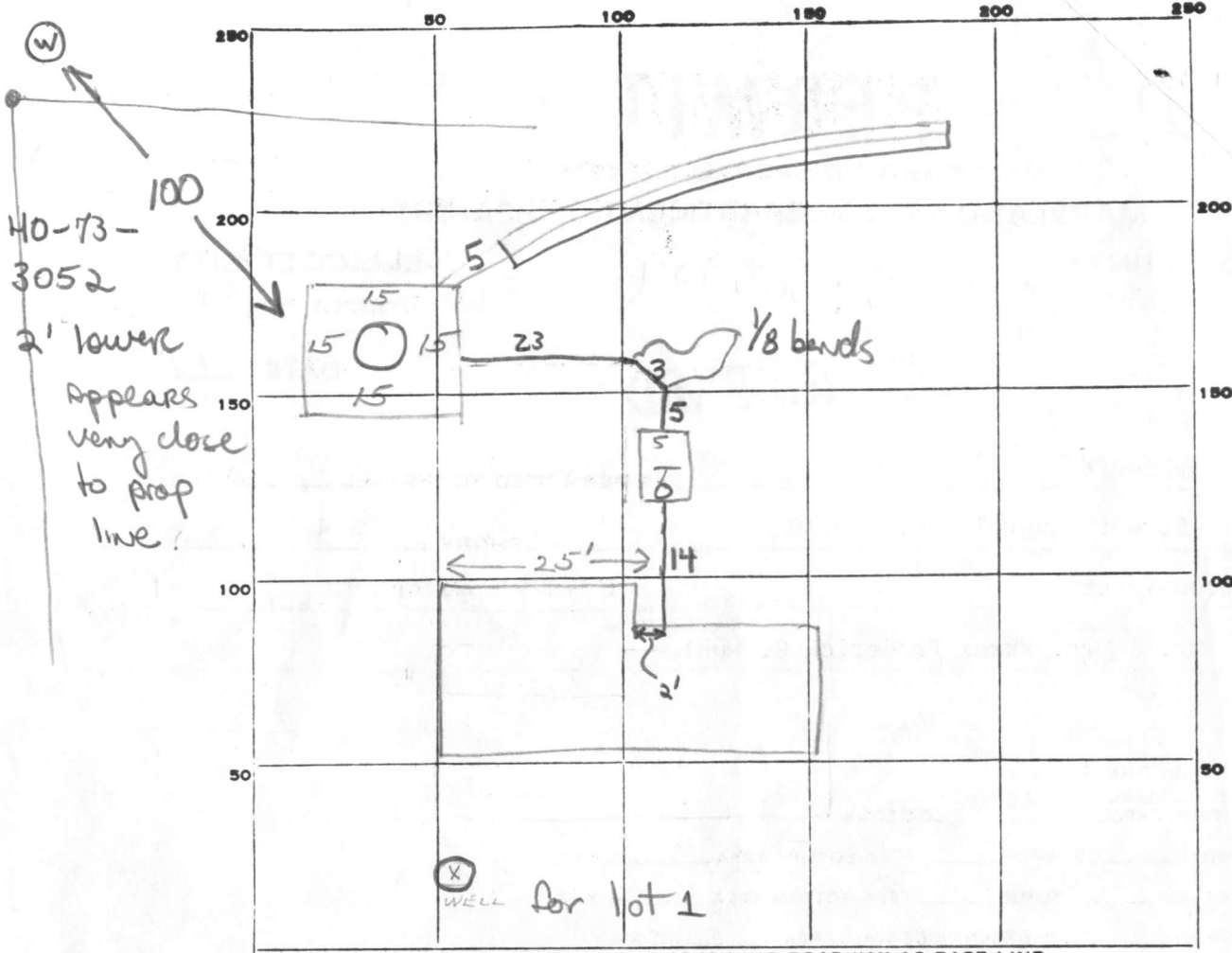
PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

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

A 25564

166  
x4  
664  
4 -> 10



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

FULLY QUARTER

PERMIT CARD \_\_\_\_\_

SEPTIC TANK, LEVEL 1250 tapered CLEANOUTS ST / DW terracotta

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

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

GRAVEL DEPTH 6 FT. TOTAL LENGTH 58 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 348

SEEPAGE PITS, INSIDE DIAMETER 60 FT. DEPTH BELOW INLET 6 FT. ± 360

ABSORBENT AREA ±700 SQ. FT.

REMARKS 4/12/79 - Install cast iron pipe from house to drywell, plus cleanouts. Add gravel to trenches. Call JS

17 Apr 79 FINAL OK. (GLK)

DATE SYSTEM APPROVED 17 Apr. 79 INSPECTOR G. Keller

C 1 0387

SEQUENCE NO. (WRA USE ONLY)

STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER W29125

1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

DATE RECEIVED (WRA USE ONLY)

November 20, 1978

DEPTH OF WELL

190

PERMIT NO. FROM "PERMIT TO DRILL WELL"

40-73-3039

22 (TO NEAREST FOOT) 26

DRILLERS IDENTIFICATION NO. 296

OWNER Thomas Associates, Inc.

LAST NAME

FIRST NAME

STREET OR RFD Suite #302, 2000 Century Plaza

POST OFFICE

Columbia, Maryland

21044

WELL DESCRIPTION

WELL LOG

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY) FEET FROM TO CHECK IF WATER BEARING

Table with 3 columns: Description, Feet (From/To), and Check if Water Bearing. Rows include Dirt, Soft Brown Mica, Blue Mica, Brown Mica, White & Blue Sandstone, Brown Sandstone, White & Brown Sandstone, Blue Mica, Opening, and Blue Mica.

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES [Y] NO [N] TYPE OF GROUTING MATERIAL (CIRCLE BOX): CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 26 NO. OF POUNDS 2,444 GALLONS OF WATER 130

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM 0 FT. TO 37 FT. (ENTER 0 IF FROM SURFACE)

CASING RECORD

CASING TYPES INSERT APPROPRIATE CODE BELOW: STEEL [ST], CONCRETE [CO], PLASTIC [PL], OTHER [OT]

MAIN CASING TYPE [S] [T] NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 39

OTHER CASING (IF USED)

DIAMETER (INCH) DEPTH (FEET) FROM TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE INSERT APPROPRIATE CODE BELOW: STEEL [ST], BRASS OR BRONZE [BR], OPEN HOLE [HO], PLASTIC [PL], OTHER [OT]

DEPTH (NEAREST WHOLE FOOT) FROM 89 TO 190

DIAMETER OF SCREEN 56 (NEAREST INCH) FROM TO

GRAVEL PACK IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68 [F]

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING [70] LOG INDICATOR [72] OTHER DATA AVAILABLE [74 75 76]

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 6 PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 64 METHOD USED TO MEASURE PUMPING RATE Flowmeter

WATER LEVEL: (DISTANCE FROM LAND SURFACE) BEFORE PUMPING 57 (NEAREST FOOT) WHEN PUMPING 183 (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) [A] AIR, [P] PISTON, [T] TURBINE, [C] CENTRIFUGAL, [R] ROTARY, [O] OTHER, [J] JET, [S] SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX) DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES [Y] NO [N] CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) 31-35 PUMP HORSE POWER 37-41 PUMP COLUMN LENGTH (NEAREST FOOT) 43-47

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

[+] ABOVE LAND SURFACE [ ] BELOW 2 (NEAREST FOOT)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

CIRCLE APPROPRIATE BOXES

- [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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME

(PLEASE PRINT) Dana Kyker, Jr. II

SIGNATURE



*Prel.*

# APPLICATION

A 25564

## SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT 3 B.R. | 4 B.R. DISTRICT 3  
ENVIRONMENTAL HEALTH SERVICES 1000 gal. septic tank | 1250 gal. septic tank DATE 4/4/77  
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

*Drywell and trench system to have 166 sq. ft. effective sidewall absorption area per bedroom to begin below the first 4 ft. of non-porous soil. Maximum depth permitted for drywell or trench is 10 ft. below original grade. Place the drywell 45 ft. from the left side line and 60 ft. from the rear lot line as seen when facing the property from Folly Quarter Road. Start the trench after a 5 foot earth buffer with the drywell and proceed to dig it on level ground, the necessary distance, towards the left rear corner of the lot. NOTE: Call for inspection of trench before gravel is installed.*

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 Mr. & Mrs. Frederick C. Muhl  
Dr. Ronald Cameron / C & D Dev. Corporation

ADDRESS Folly Quarter Rd.; Ellicott City, Md. 21043 PHONE 774-2495

PROPERTY LOCATION: Cameron Tract  
SUBDIVISION Folly Quarter Estates LOT NO. 1

ROAD AND DESCRIPTION 3581 Folly Qtr. Rd., S. of Route 144 on east side of Folly Qtr. Rd. between Rt. 144 and Homewood Road.

SIZE OF LOT 40,000 sq. ft. TYPE BLDG. Single family res. (4-5 BR)  
NUMBER OF BEDROOMS \_\_\_\_\_

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

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

SIGNATURE OF APPLICANT M. DeFlavis  
T.F. DeFlavis / C & D Dev. Corp.

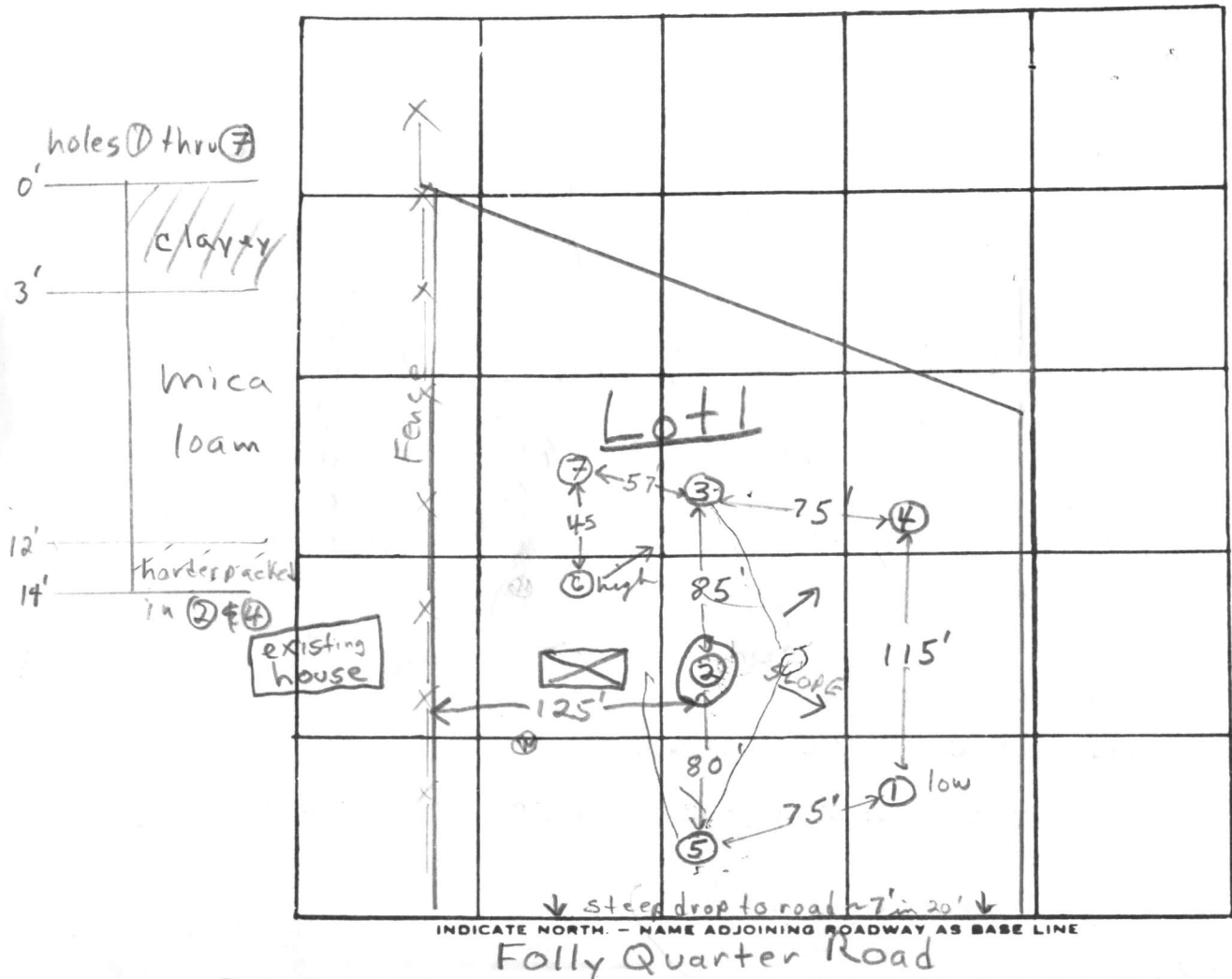
APPROVED BY Frank Skinner FOR Drywell and trench DATE 12/7/77  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/6/77	1 low	4'	1:38	1:49	1:49	2:01	12 min
	1A	11'	1:38	1:53	1:53	2:18	25 min
	2 high	4'	2:02	2:06	2:06	2:16	10 min
	(2A)	12 1/2'	1:45	pulled Peg 2:15 3/4" drop			FAILS
	3	5'	2:18	2:21	2:21	2:26	5 min
	3A	14'	2:08	2:15	2:15	2:24	9 min silty at 14'
	4	12 1/2'	Clayey to 3 1/2'; mica loam below hard pack at 12 1/2'				
	5	12 1/2'	Clayey to 3'; mica loam below				
4/7/77	2B	10 1/2'	9:55	10:02	10:02	10:16	14 min
5/10/77	6 high	6'	1:55	2:00	2:00	2:09	9 min

14 min arg  
166 A/BR.  
inlet 4'

REMARKS Lot 1 System 4 to 8' override see attached sheet

TYPE OF SOIL Clayey to ~3'; mica loam below hard packed in depths

TESTED BY F.S. ALSO PRESENT: T. DeFlavis; L. Graul;  
Brittinghams crew

DRILLER: OBTAIN HEALTH DEPT. APPROVAL AND RETURN ALL PARTS OF THIS FORM INTACT TO THE WATER RESOURCES ADMINISTRATION.

EMERGENCY NO. (If any) -

B 1 4365 SEQUENCE NO. (WRA USE ONLY)		STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 APPLICATION FOR PERMIT TO DRILL WELL		WRA PERMIT NUMBER  FILL IN THIS FORM COMPLETELY	
--	--	--	--	---	--

DATE RECEIVED (WRA USE ONLY) *11/20/78*

OWNER Thomas Associates, Inc.  
 COL 15 LAST NAME FIRST NAME COL. 34

STREET OR RFD Suite #302, 2000 Centry Plaza  
 COL 36 COL. 55

POST OFFICE Columbia, Maryland 21044  
 COL 57 COL. 76

B 1 CONTINUED DRILLER INFORMATION

DATE October 30, 1978 LICENSE NUMBER 296  
 77 80

FIRST NAME DRILLER LAST NAME  
 Ronald L. Kyker

SIGNATURE *Ronald L. Kyker*

B 3 LOCATION OF WELL

COUNTY Howard  
 (DO NOT ABBREVIATE COUNTY NAME) 21

SUBDIVISION "Cameron Tract" 42

SECTION LOT 1 50

NEAREST TOWN Ellicott City 71

MILES FROM TOWN (ENTER 0 IF IN TOWN) 5 M I 76 77 78

B 2 WELL INFORMATION

MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 6  
 8 12

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 550  
 14 20

B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)

N NORTH E EAST NE NORTHEAST SE SOUTHEAST  
 S SOUTH W WEST NW NORTHWEST SW SOUTHWEST

NEAR WHAT ROAD 3591 Folly Quarter Road

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N 32 S 32 E 32 W 32

DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 87 M I 37 38 39

USE FOR WATER (CIRCLE APPROPRIATE BOX)

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

FARMING, AGRICULTURE, IRRIGATION 10K9

INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.

MUNICIPAL WATER SUPPLY } MUST HAVE STATE HEALTH DEPT. APPROVAL

PRIVATE WATER COMPANY }

TEST

APPROXIMATE DEPTH OF WELL 150' FEET  
 24 28

APPROXIMATE DIAMETER OF WELL 6" (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)

BORED (OR AUGERED) JETTED DRIVEN

AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)  
 CABLE REVERSE-ROTARY DRIVE-POINT

OTHER (DESCRIBE)

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY

THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)

APPROPRIATION PERMIT NUMBER 54 63 65

ENGINEER REVIEW DISTRICT NO. 65

FORCE 57 68 WRITE INITIALS IN BOX CONDITIONS 70 71 72 73 74 75 76 77 78 79

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL

COUNTY NAME Howard COUNTY NO. W29125

DATE 11 10 1978

APPROVED BY *Ronald W. M...*

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWN ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON SKETCH. ALSO SHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP.

N ↑

*11/17/78 No ground*

*Not enough cement to do job*

*89' CASING*

*82' open*

*2' Above grade*

*26 bags cement*

*location OK*

*20 Nov. 78 (GLK)*

*11/178*

*Bags of cement*

*Well grout*

*Well casing*

*X well*

*0/5*

BOX NUMBER E 820 N 520

NORTH COORDINATE 50 51 52 53 54 55

EAST COORDINATE 57 58 59 60 61 62 63

ELEVATION AT



RECEIVED

MAY 20 9 56 AM '77

HOWARD COUNTY  
HEALTH DEPT.  
ELLSWORTH CITY MD.

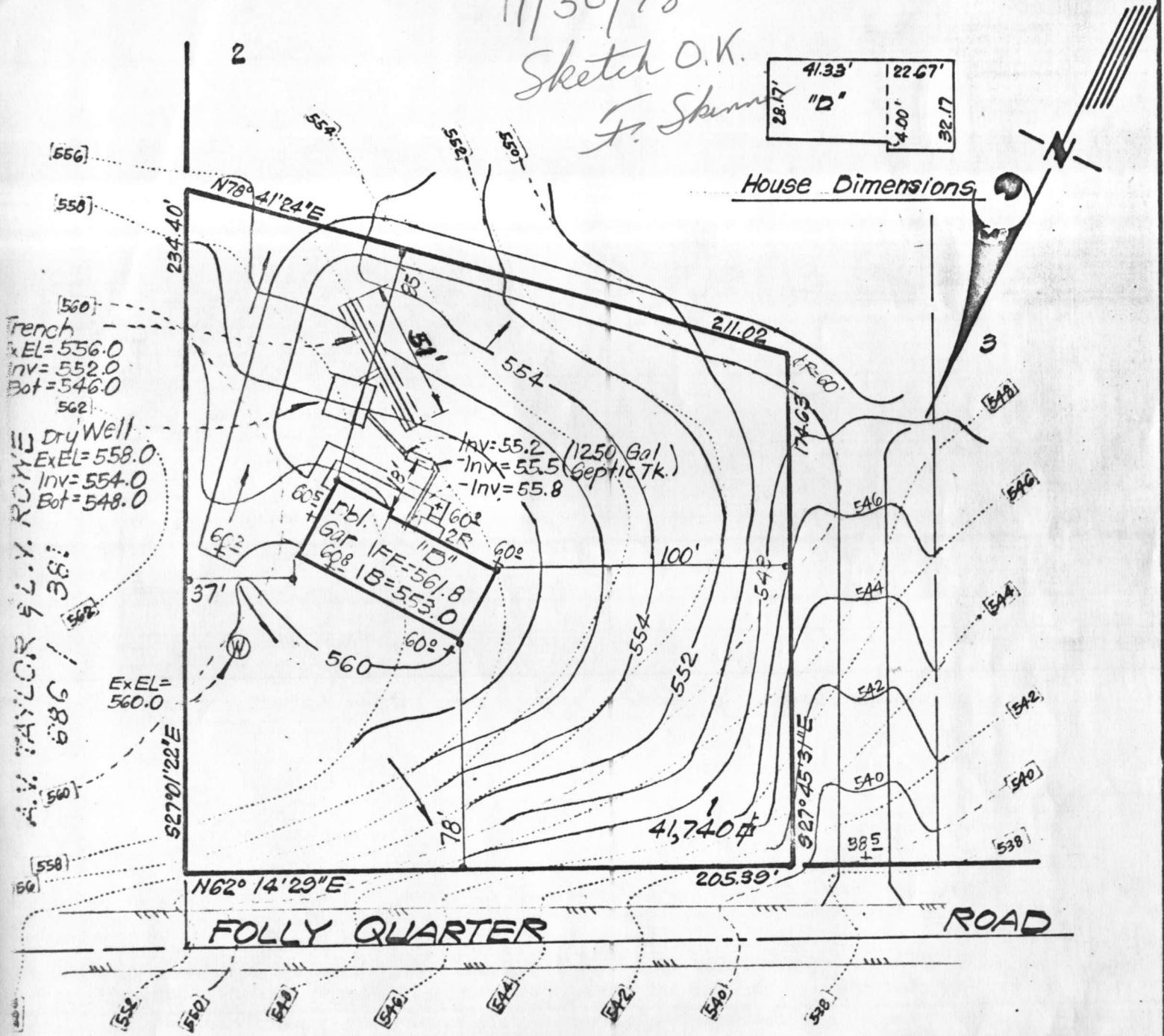
**LEGEND:**  
 Contour Interval 2 Ft.  
 Exist. Contour  $\text{---}\text{---}\text{---}$  550  
 Prop. Contour  $\text{---}\text{---}\text{---}$  550  
 Spot Elevation +505  
 Direction of Drainage  $\text{---}\text{---}\text{---}$   
 Prop. Well  $\text{⊙}$

**SITE DEVELOPMENT PLAN**  
**CAMERON TRACT**  
 3<sup>RD</sup> ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 Scale: 1"=50' Date: Sept, 1978

**NOTES:**  
 Plat Reference: Plat 3837  
 Esm't Can Not be Sewered  
 by gravity.

11/30/78  
 Sketch O.K.  
 F. Skenn

41.33'	22.67'
28.17'	4.00'
"D"	
	32.17'



A.V. TAYLOR & L.V. ROWE  
 686 / 381

CLARK, FINEFROCK & SACKETT  
 ENGINEERS - PLANNERS - SURVEYORS  
 11315 Lockwood Drive  
 Silver Spring, Md. 20904 593-3400