

5/28/85  
NOON

WPT.  
5/29/85

approved  
5/28/85  
C Williams  
SEE  
A58111

5/27/85  
AM ASAP

35577

P 25569  
25569  
A 35377

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH

992-2330 461-9933

03-306623

INDEXED

ELLICOTT CITY

DISTRICT 3rd

DATE 5/23/85

Jack Fyock IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE 988-9270

SUBDIVISION Cameron Tract I ROAD Cameron ~~Tract~~ ST. LOT 7 SUBLOT 10 NEW LOT 13

PROPERTY OWNER Dr. Alfredo J. Herrera

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

DRYWELL OR DRYWELL AND TRENCH: 181 sq. ft. per bedroom. Inlet 4 feet below original grade. bottom maximum depth 10 feet below original grade. Effective area begins at 4 feet below original grade. NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between drywell and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as drywell, with 6 feet of stone below distribution pipe. OR TRENCHES - 210 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 10 feet below original grade. Effective area begins at 4 feet below original grade. 6 feet of stone below distribution pipe. LOCATION: Start the trench on drywell 100 feet from the front (395') lot line and 140 feet from the left (367') lot line. Run trench(s) along level ground toward front lot line. NOTE: NO TRENCH TO EXCEED 100 FEET IN LENGTH. IF MORE THAN ONE TRENCH USED, A DISTRIBUTION BOX IS REQUIRED. CALL FOR INSPECTION OF TRENCH(S) 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 5/23/85

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.

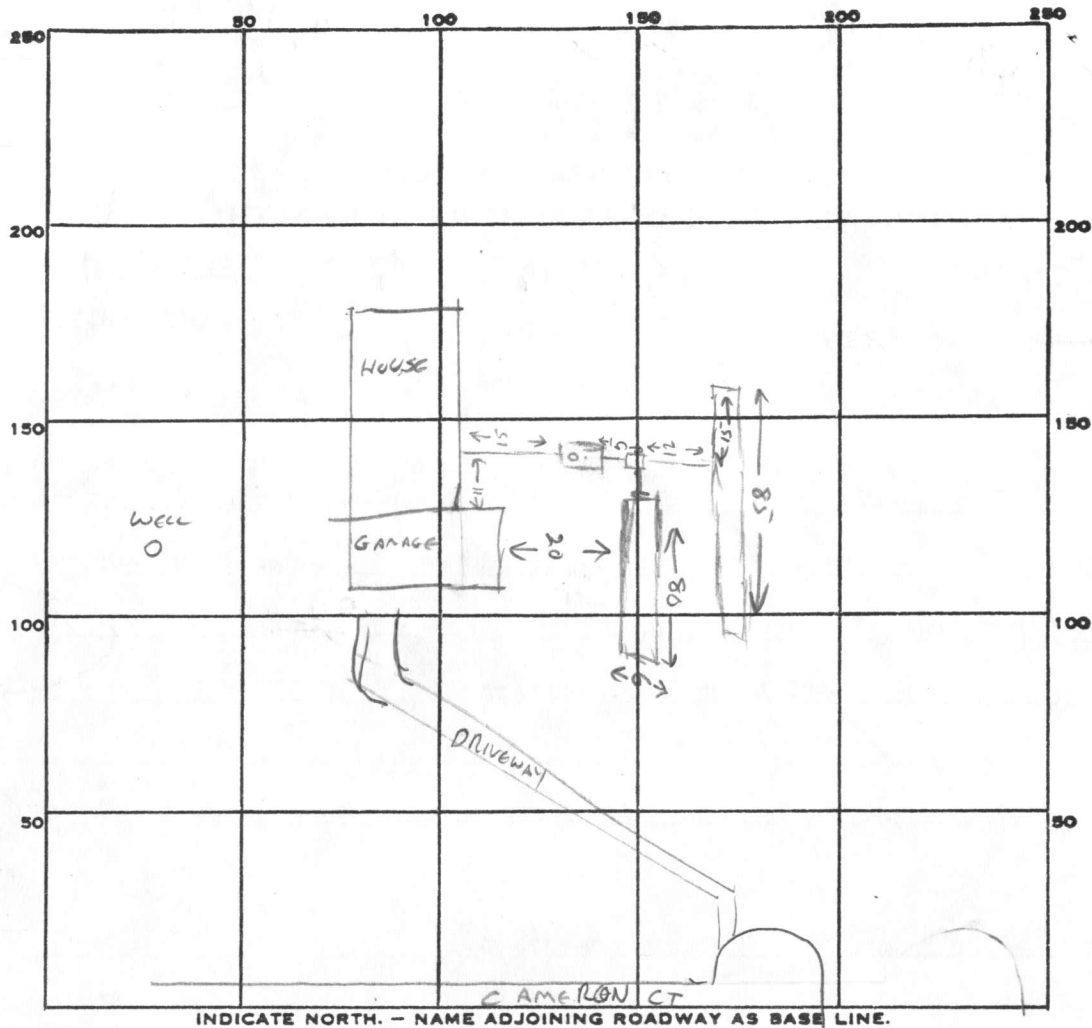
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA. OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 25569



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS 5TV

DISTRIBUTION BOX, LEVEL

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

GRAVEL DEPTH 6 FT IN. TOTAL LENGTH 185 FT.

33  
165  
6  
990

NUMBER OF TRENCHES 2 ONE SIDEWALL TOTAL BOTTOM AREA 510

LEACHING BED  
SEEPAGE PITS, INSIDE DIAMETER 6 x 80 FT. DEPTH BELOW INLET 1 1/2 FT.

ABSORBENT AREA 480 SQ. FT. TOTAL ABS. AREA 990 SQ. FT.

REMARKS 5/27/85 OK TO COVER 1ST TRENCH. CW

5/28/85 2ND TRENCH DUG SHALLOUT WIDE BECAUSE OF COLLAPSING WALLS.

SYSTEM COMPLETE. CW

DATE SYSTEM APPROVED

5/28/85

INSPECTOR

CW

# APPLICATION

A 25569

## SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 3

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

DATE 4/4/77

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.

DR. ALFREDO J. HERRERA

PROPERTY OWNER Dr. Ronald Cameron / C & D Dev. Corp.

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

PROPERTY LOCATION:

SUBDIVISION Folly Quarter Estates Cameron Tract LOT NO. 6 7 (new)

ROAD AND DESCRIPTION Folly Qtr. Rd., S. of Rt. 144 on east side of Folly Qtr. Rd.  
between Rt. 144 and Homewood Rd. 3617 CAMERON CT.

SIZE OF LOT 3.0 acres TYPE BLDG. single family res.  
NUMBER OF BEDROOMS (4-5 bedrooms)

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

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

SIGNATURE OF APPLICANT *Alfredo J. Herrera*  
T.F. DeFlavis / C & D Dev. Corp.

APPROVED BY Frank Skinner FOR Drywell & Trench DATE 11/23/79  
(KIND OF SYSTEM)

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

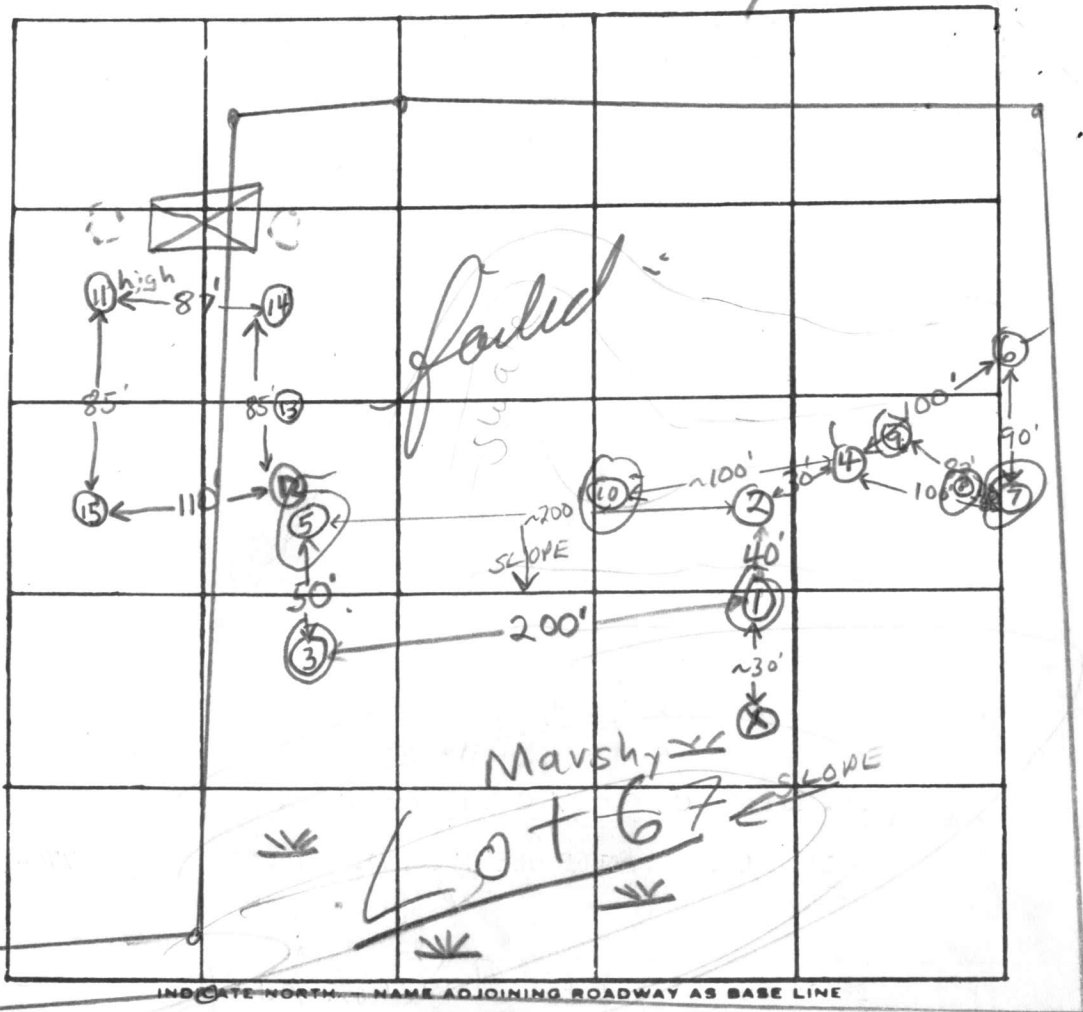
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

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

BLDG PERMIT SIGNED  
AND RETURNED 9-4-80

# THIS IS NOT A PERMIT

all holes  
 0'  
 clayey  
 4 1/2'  
 Sandy mica loam  
 13'  
 Water in some holes



COURT

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/7/77	1	5'	3:23	3:30	3:30	3:42	12 min
	1A	13 1/2'	3:30	Pulled peg	3:48	1/4" drop	Fail 15
	2	13'	Clayey to 4', mica silt loam below				O.K.
	X	12'	Water at 12' hole. Covered not seen				Fail 15
	4	4'	3:40	3:56	3:50	4:12	22 min
4/12/77	4A	13 1/2'	3:40	3:50	3:50	4:08	18 min
	3	9'	Water at 9'; clayey to 5'		Sandy loam below		
	5	12 1/2'	Clayey to 4' silty mica loam below				
	6	5'	11:18	11:25	11:25	11:40	15 min
	6A	13'	11:18	11:27	11:27	11:45	18 min
	7	10'	Water at 9'; clayey to 6'				
	8	13'	Water at 12' clayey to 5'				Fail 15
	9	5'	1:41	1:46	1:46	1:58	12 min
	9A	13'	1:40	2:01	2:01	2:34	33 min
	10	5 1/2'	2:39	2:43	2:43	2:50	7 min
5/10/77	10A	13'	2:39	2:58	2:58	3:32	34 min
	11 high	7'	2:35	2:39	2:39	2:47	8 min
	11A	13'	2:35	2:40	2:40	3:02	22 min
	12	5'	2:42	2:47	2:47	2:59	12 min
	12A	13'	2:43	2:46	2:46	2:55	9 min

17 min avg. inv. 4'

REMARKS Lot 6 Water in lower part of lot, marshy area see topo.

TYPE OF SOIL sandy loam & silty mica loam below top 4-6' clayey soil

TESTED BY F.S. & R.B. ALSO PRESENT: Brittlinghams crew, T. DeFlavi, L. Grawl, Al Mitchell

NOTE: More data on attached looseleaf sheet

CURVE NO.	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
1-2	50.00'	50.00'	57°17'45"	27.32'	47.94'	N30°46'32"W

**FLOODPLAIN**

F1	N35°20'27"E	62.14'
F2	N25°34'14"E	98.79'
F3	N25°34'14"E	66.59'
F4	N48°58'31"E	252.39'
F5	S59°10'39"E	178.04'
F6	S30°49'21"W	83.00'
F7	N59°10'39"W	161.06'
F8	S48°58'31"W	170.00'
F9	S17°15'02"W	213.58'

3.68'
r=29.85'
E 38.33'
3.97'
1.03'
5.62'
=8.08'
E 15.37'
9.13'
5.62'
=8.08'
E 15.37'
0.94'
5.62'
=8.08'
E 15.37'
.43'
5.62'
=8.08'
E 15.37'
2.34'
5.55'
=14.02'
E 24.45'
3.66'
4.45'
=20.59'
E 31.79'
62.37'
4.13'
7.80'
T=56.78'
W 45.76'
5.62'
6.85'
=8.76'
W 16.53'
49.22'
9.39'
0.95'
1.39'
5.65'
6.26'
1.05'
T=31.05'
W 38.95'
27.89'
2.00'
T=42.59'
E 43.12'
3.68'
1.25'
7.44'
T=34.87'
E 40.64'
N57°16'15"E 12.17'
R=25.00'; L=18.80';
Δ=43°04'43"; T=9.87';
CH=N78°48'37"E 18.36'
S79°39'01"E 34.48'
R=25.00'; L=28.69';
Δ=65°45'00"; T=16.16';
CH=S46°46'31"E 27.14'
S18°32'26"E 82.09'
S18°52'08"E 105.96'
S53°16'00"E 11.22'
N34°10'48"E 13.07'
N73°40'17"E 41.45'
S75°47'35"E 22.60'
S88°39'38"W 22.61'
S24°45'11"E 35.53'

CAMERON TRACT,  
SEC. 1, AREA 1, LOT 3  
PLAT # 4341

CAMERON TRACT,  
SEC. 1, AREA 1, LOT 2  
PLAT # 4341

N 584,750  
E 1,338,750

RB AND CAP FD.(CFS) 4

**A25569**

ALTA V. TAYLOR & L. V. ROWE  
LIBER 686, FOLIO 381  
PARCEL 5

5 PINCHED PIPE FD.

LOT 13  
173,442 SQ. FT. ±  
OR  
3.98 ACRES ±

EXISTING 100 YEAR FLOODPLAIN,  
DRAINAGE & UTILITY EASEMENT  
CENTERLINE OF STREAM

CAMERON TRACT,  
SEC. 1, AREA 1, LOT 6  
PLAT #4341

METAL WITNESS  
POST FD. (HELD)

**A58111**

LOT 14  
30,680 SQ. FT. ±  
OR  
3.00 ACRES ±

PHILLIP CARROLL  
"DOUGHOREGAN MANOR"  
PARCEL 71

CAMERON COURT  
LOCAL PUBLIC ROAD  
50' ROW

1 RB & CAP FD. (CFS)

CAMERON TRACT,  
SEC. 1, AREA 1, LOT 8  
PLAT #4342

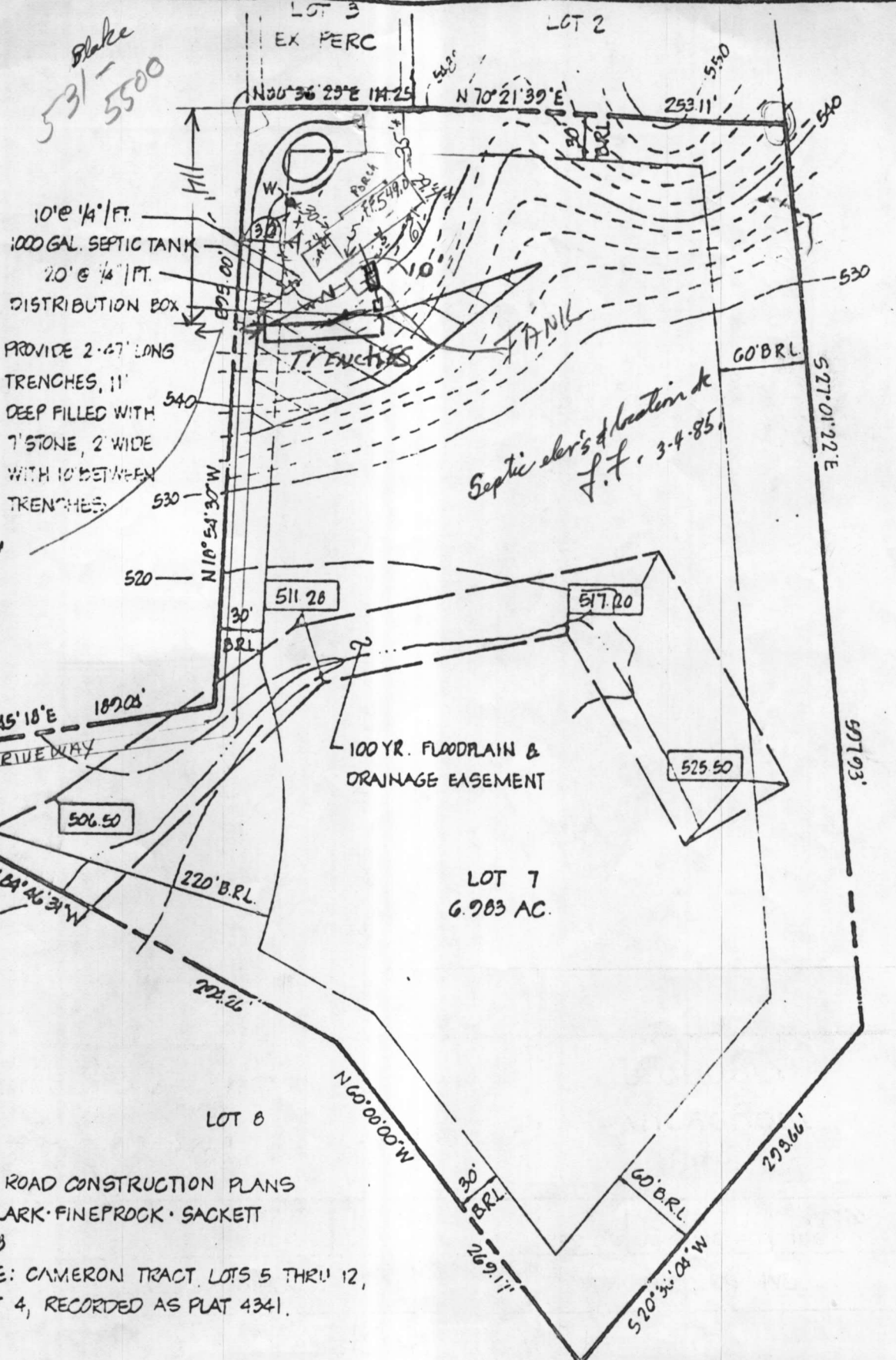
E 1,338,250  
N 583,750

E 1,338,750  
N 583,750

8 RB AND CAP FD. (CFS)

374.45"W  
184.52'

FF ELEV: 549.0  
 INV OUT: 543.23  
 SEPTIC TANK:  
 EX GR: 547.0  
 FIN GR: 548.0  
 INV IN: 543.02  
 INV OUT: 542.72  
 DISTR BOX  
 EX GR: 546.3  
 FIN GR: 546.3  
 INV IN: 542.3  
 WELL:  
 EX GR: 548.5  
 FIN GR: 548.5



*Blake*  
 531-5500

*Septic elev's & location by J.F. 3-4-85.*

CAMERON CT.  
 EX 50' R/W

1. TOPO BASED ON ROAD CONSTRUCTION PLANS PREPARED BY CLARK FINEPROCK SACKETT DATED AUG, 1978
2. PLAT REFERENCE: CAMERON TRACT LOTS 5 THRU 12, A RESUB OF LOT 4, RECORDED AS PLAT 4341.

130' TRENCHES. TOTAL REQ.  
 START TRENCHES - 114' FROM REAR-OR LEFT PROBLINE  
 20' FROM -SIDE-395' PROP. LINE

TITLE						
DR. MRS ALFREDO J. HERRERA						
PROJECT						
LOT 7 - CAMERON TRACT - 3617						
LOCATION						
3RD ELECTION DISTRICT PLOT-4341 HOWARD CO., MD						
DATE	SCALE	DESIGN BY	DRAWN BY	CHECKED BY	DRAWING NO.	JOB NO.
FEB 1984	1" = 100'	JJB	JJS		1 OF 1	04019

**boender associates**  
 3565 - A COURT SQUARE  
 ELLICOTT CITY, MARYLAND 21043  
 301-465-7777

engineers  
 surveyors  
 planners

BL. 63255

RECEIVED  
HOWARD COUNTY  
HEALTH DEPT.

FEB 26 9 17 AM '85

DIVISION OF  
ENVIRONMENTAL  
HEALTH

BLDG. PERMIT SIGNED  
AND RETURNED 3-4-85

B 1 7682

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-81-0411

fill in this form completely

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

3/16/84 A.M.

please print or type

Date Received

010384

OWNER INFORMATION

HERRERA ALFREDO DR

7870 HEKWOOD CT

ELLIOTT CITY MD 21043

B 3

LOCATION OF WELL

HOWARD

CAMERON FARMS

WEST FRIENDSHIP

MILES FROM TOWN (enter 0 if in town)

DRILLER INFORMATION

Dana Kyker, Jr. II

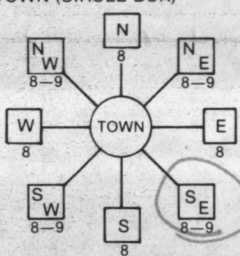
Westminster Rotary Well Drilling, Inc.

P.O. Box #81, Westminster, Md. 21157

Dana Kyker, Jr. II 3/27/84

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Cameron Farm Rd

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

450

DISTANCE FROM ROAD

ENTER FT or MI

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home, Farming, Industrial, Public or Private Water Company, Test/Observation/monitoring.

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD

COUNTY NAME

A25569

COUNTY NO.

OEP SIGNATURE

DATE ISSUED

020684

Frank Skinner 8/6/84

NORTH GRID

523000

EAST GRID

0825000

APPROXIMATE DEPTH OF WELL

200 FEET

APPROXIMATE DIAMETER OF WELL

6" NEAREST INCH

METHOD OF DRILLING (circle one)

- Bored, Jetted, Jetted & Driven, Air-Rotary, Air-Per percussion, Rotary, Cable, Reverse-Rotary, Drive-Point.

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- Not replace, Replace abandoned, Replace as standby, Deepen.

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER

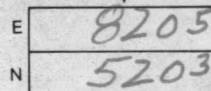
FORCE FS PERMIT NO. HO-81-0411

SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

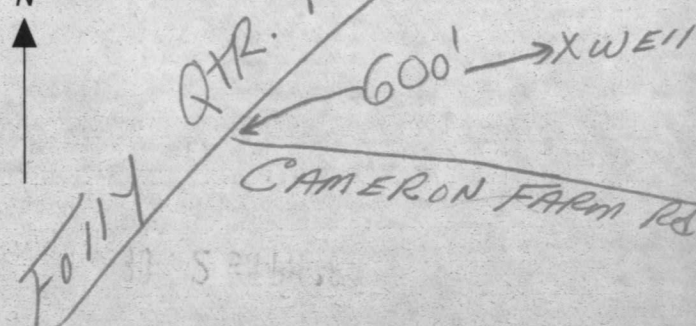
SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE



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

N



C1 4521

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER A 25569

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for date received

Grid for date well completed: 031684

Grid for depth of well: 309 (TO NEAREST FOOT)

Grid for permit number: 40-81-0411

OWNER: Herrera last name, Alfredo first name. STREET OR RFD: Cameron Farms Rd. TOWN: West Friendship. SUBDIVISION: Cameron Farms. SECTION: - LOT: 7

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, FEET TO, Check if water bearing. Rows include Dirt, Soft Brown Mica, Blue Mica, etc.

GROUTING RECORD

Form for grouting record including: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CEMENT CM, BENTONITE CLAY BC), NO. OF BAGS (20), NO. OF POUNDS (1880), GALLONS OF WATER (120), DEPTH OF GROUT SEAL (70.6 ft).

CASING RECORD

Form for casing record including: casing types (STEEL, CONCRETE, PLASTIC, OTHER), MAIN CASING TYPE (S, T), Nominal diameter (6), Total depth of main casing (72.6).

OTHER CASING (if used)

Form for other casing with diameter and depth fields.

SCREEN RECORD

Form for screen record including: screen type (STEEL, BRASS, OPEN HOLE, PLASTIC, OTHER), slot size, diameter of screen.

C 2

Form for depth and casing height measurements with grid boxes.

C 3

Form for pumping test including: PUMPING TEST, HOURS PUMPED (3), PUMPING RATE (4.6), METHOD USED TO MEASURE PUMPING RATE (Submersible), WATER LEVEL (36), WHEN PUMPING (199), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED

Form for pump installation including: DRILLER WILL INSTALL PUMP (YES/NO), TYPE OF PUMP INSTALLED, CAPACITY (GALLONS PER MINUTE), PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.

- 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. 256

DRILLERS SIGNATURE: Dana Kyker, Jr. II

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)

Form for OEP use only including: T (E.R.O.S.), WQ, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

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)

Handwritten notes: Fully QTR. CAMERON FARM Rd. X WELL





WPI PITLESS ADAPTER & SUPPLY LINE  
INSTALLED 3 1/2' BELOW GRADE,

PRESSURE TANK NOT YET INSTALLED,  
5/29/85 C. Wilber

RECEIVED  
HOWARD COUNTY  
HEALTH DEPT.  
MAR 21 5 01 PM '84  
DIVISION OF  
ENVIRONMENTAL  
HEALTH

