

3/16/83  
3/17/83  
around 10:30 or 11:00 A.M.

OK R H  
3/17/83  
P 32448  
A 32050

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
992-2330

05-392535  
**INCL.**

**ELLCOTT CITY**  
DISTRICT 5th  
DATE 2/1/83

Claude Cissel IS PERMITTED TO INSTALL X ALTER

ADDRESS 14079 Brighten Dam Road, Clarksville, Md. PHONE 854-2006

SUBDIVISION ROAD 6951 Haviland Mill Road LOT 1 per F-83-18

Lot 2 per F-87-? 135

PROPERTY OWNER Paul Collins

ADDRESS 6941 Haviland Mill Road  
Clarksville, Maryland 21029

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

GARBAGE GRINDER? YES \_\_\_\_\_ NO X

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

DEEP TRENCHES - 158 sq. ft. one sidewall area per bedroom. Ditch is to be 2 ft. wide, 9 ft. deep, with inlet at 3 ft. below original grade and filled with 6 ft. of stone. Length of the ditch deepens on the number of sq. ft. needed. Start the ditch at perc hole #2 and run it along level ground toward perc hole #4. Perc Hole #2 is located 120 ft. from the front lot line and 45 ft. from the left lot line as seen when facing the lot from Haviland Mill Road. Perc Hole #4 is located 125 ft. from the front lot line and 145 ft. from the left lot line as seen when facing the lot from haviland mill Road.

Lot also suitable for drywell and ditch system.

PLANS APPROVED BY Raymond Hodges DATE 11/24/82

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.

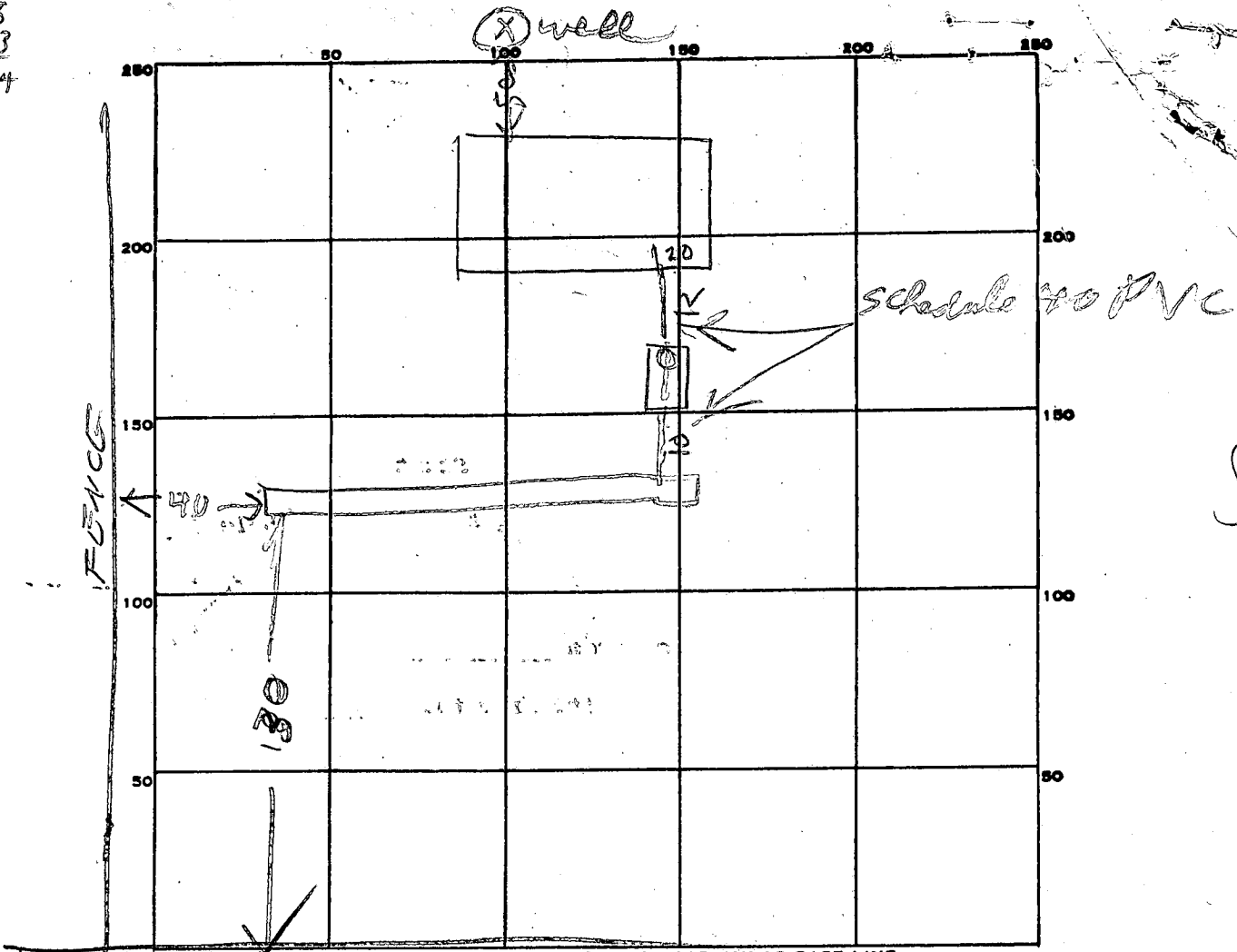
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

\*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 32050

158  
3  
474



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

SEPTIC TANK, LEVEL 1000 gal. CLEANOUTS \_\_\_\_\_

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

TILE FIELD, DEPTH 9 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 6 1/2 IN. TOTAL LENGTH 80 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 520

SEEPAGE PITS, INSIDE DIAMETER \_\_\_\_\_ FT. DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 3/16/83 OK to add stone in trenches

3/17/83 - STONE ADDED BAF

DATE SYSTEM APPROVED 3/17/83 INSPECTOR Raymond Holger

PRELIMINARY

# 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 32050

P \_\_\_\_\_

DISTRICT NZH 5th

DATE 7/22/82

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 Bertram L. and Grace E. Zirn

ADDRESS 6941 Havilland Mill Road, Clarksville, Md. 21029 PHONE 854-0129

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Havilland Mill Road

SIZE OF LOT 47.639 acres TYPE BLDG. 3 or 4 bedrooms  
(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. /s/ Jack Fyock for Bertram L. & Grace E. Zirn

(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

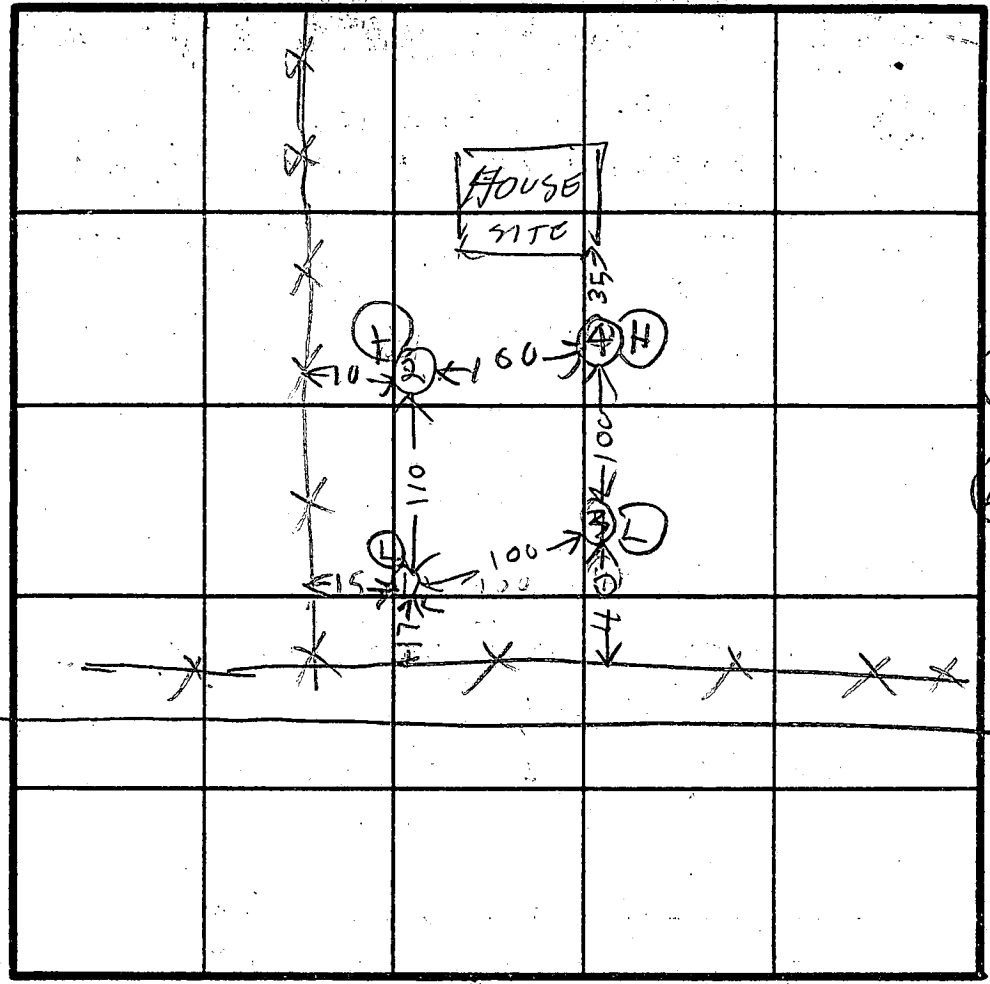
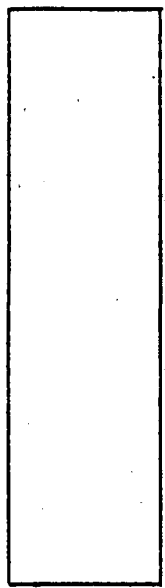
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

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

# THIS IS NOT A PERMIT

EXIST HOUSE

SOIL PROFILE



Hole  
Elev  
H = High  
L = Low

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/23/82	1 S	4 1/2	1019	1023	1023	1029	6	
	1 D	8	1019	1022	1022	1029	7	
	1 V	11 1/2	ALL SANDY					
	2 S	3 1/2	1025	1027	1027	1030	3	
	2 D	7	1026	1028	1028	1030	2	
	2 V	14	ALL SANDY					
	3 S	2	1042	1044	1044	1046	2	
	3 D	6	1042	1044	1044	1046	2	
	3 V	13 1/2	ALL SAND					
+	4 V	10	ALL SAND BUT HARD BOT					

EH-12-1079

REMARKS Exist House System OK. A 3 ac lot is to be subdivided off large farm & be given to daughter

TESTED BY B. J. [Signature]

ALSO PRESENT Fryck & Skup [Signature]

B 1 9484

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-73-4291

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-8 ON ALL CARDS)

please print or type

fill in this form completely

Date Received 10/13/82 11:30 AM (OEP Use Only)

B 3 LOCATION OF WELL

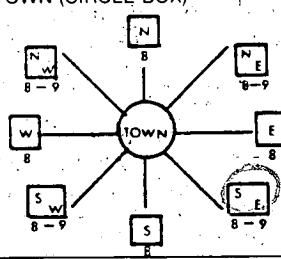
OWNER INFORMATION: COLLINGS PAUL C PATT, HAVILAND MILL RD, CLARKSVILLE MD 21029

COUNTY: Howard, SUBDIVISION: ZIRN PROPERTY, SECTION: none, LOT: I, NEAREST TOWN: Highland, MILES FROM TOWN: 3

B 1 Continued DRILLER INFORMATION

Driller's Name: Ralph Mayne, License No. 80, Firm Name: R.F. 3 Box 9120 Mt. Airy Md., Address: Ralph Mayne 10/13/82

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX): NEAR WHAT ROAD: Haviland Mill Rd.



ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): WEST, SOUTH, DISTANCE FROM ROAD: 265

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): HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY), FARMING, INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER, PUBLIC OR PRIVATE WATER COMPANY, TEST, OBSERVATION, MONITORING

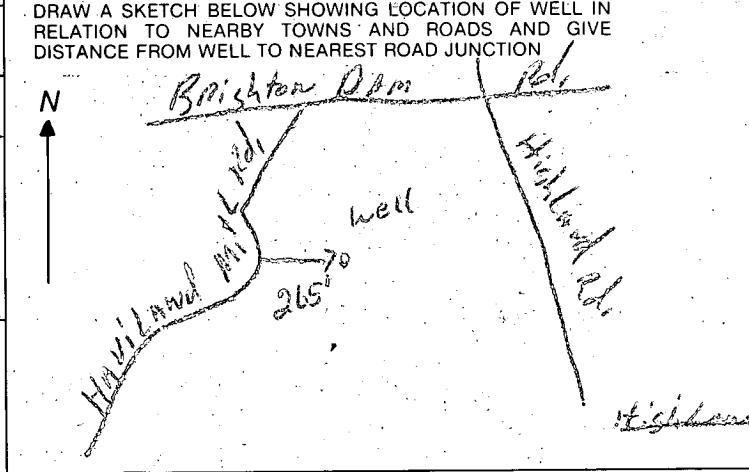
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER: 1. LOCATION OK, 42 FT CASING, 2 FT ABOVE GROUND well, 32 FT OPEN, 9 BAGS CEMENT, 10-25-82 CW

APPROXIMATE DEPTH OF WELL: 150 FEET

APPROXIMATE DIAMETER OF WELL: 6 NEAREST INCH

METHOD OF DRILLING (circle one): AIR ROTARY, AIR PERCUSSION, ROTARY (HYDRAULIC ROTARY), CABLE, REVERSE ROTARY, DRIVE POINT



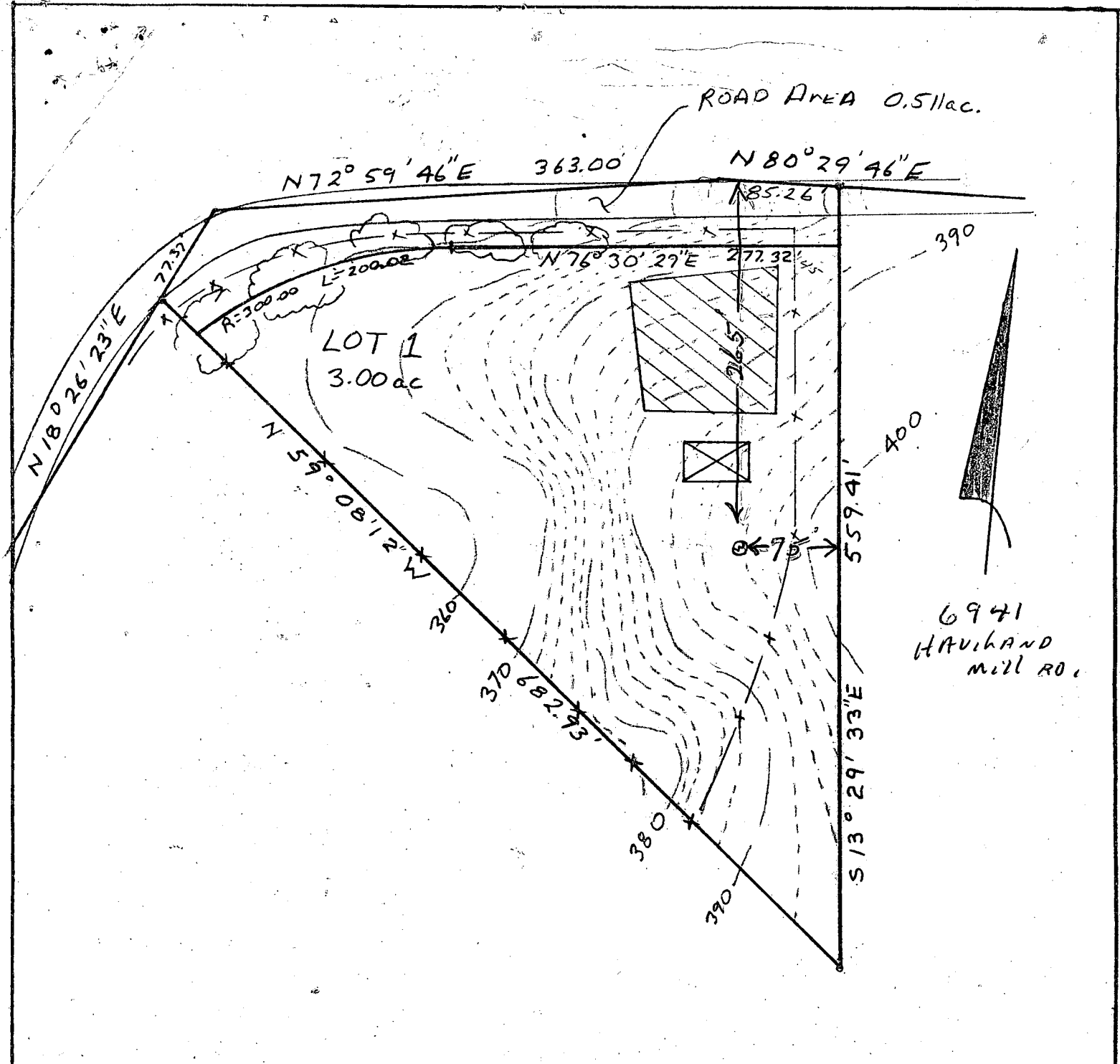
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX): THIS WELL WILL NOT REPLACE AN EXISTING WELL, THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED, THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY, THIS WELL WILL DEEPEM AN EXISTING WELL

B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: COUNTY NAME: HOWARD, COUNTY NO.: A32050

Not to be filled in by driller (OEP USE ONLY): APPROX. PERMIT NUMBER: GAP, FORCE: FS, PERMIT No.: HO-73-4291

OEP SIGNATURE: Howard Shorin, DATE ISSUED: 10/19/82, CO SIGNATURE, NORTH GRID: 4900, EAST GRID: C800, EXPIRES: 04/14/92

B 5 SPECIAL CONDITIONS 8-63



OWNERS:  
 PAUL + PATTI COLLINS  
 HAVILAND MILL RD.  
 CLARKSVILLE, MD.  
 21029

PLAT OF PROPOSED  
 LOT 1  
 ZIRN PROPERTY  
 5th Election District  
 Howard County Md  
 Scale 1"=100' Date 8/2/82



C1 4176 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)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A 32050

Date Received (OEP use only)

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

FROM PERMIT TO DRILL WELL

102582

300

HO-73-4291

(TO NEAREST FOOT)

OWNER Collins Paul & Patt

STREET OR RFD Havilland Mill Road TOWN Highland

SUBDIVISION Zinn Property SECTION LOT 1

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, 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 9 NO. OF POUNDS 700

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

MAIN CASING TYPE S+ Nominal diameter top(main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 42

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.) HO 40 300

- 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 Driller Signature: Ralph E. Maynard

SLOT SIZE DIAMETER OF SCREEN (NEAREST INCH)

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 O TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 9 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 42 WHEN PUMPING 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 YES NO DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) [Y] [N]

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: (A, C, J, P, R, S, T, O)) 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)

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)

Date Oct 25 - 82

Review 11/22/82 OK J.S.

*Howard Co.*  
FIELD DATA SHEET  
HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. 73-4291 Election District     

Location of Property (road) Havilland Mill Rd.

Subdivision Zion Property Lot 1 Block - Plat - Sec. -

Well Driller Ralph Mayne Owner Paul & Patt Collins

Depth of Well 300 ft

Distance of Measuring Point (M.P.) above ground 2 ft

Static Water Level (S.W.L.) below M.P. 42 ft

I. High Rate Pumping -- reservoir drawdown

Time pump started 6:45 Pumping rate 9 G.P.M.

Total time 1 hour to reach pumping water level 255 ft. below M.P.

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

TIME	WATER LEVEL Below M.P.	PUMPING RATE Time to fill <u>1</u> gal. bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per min.)
7:45	255 ft	60 sec		1 G.P.M.
8:00	255 ft	60 sec		1 G.P.M.
8:15	255 ft	60 sec		1 G.P.M.
8:30	255 ft	60 sec		1 G.P.M.
8:45	255 ft	60 sec		1 G.P.M.
9:00	255 ft	60 sec		1 G.P.M.
9:15	255 ft	60 sec		1 G.P.M.
9:30	255 ft	60 sec		1 G.P.M.
9:45	255 ft	60 sec		1 G.P.M.
10:00	255 ft	60 sec		1 G.P.M.
10:15	255 ft	60 sec		1 G.P.M.
10:30	255 ft	60 sec		1 G.P.M.
10:45	255 ft	60 sec		1 G.P.M.
11:00	255 ft	60 sec		1 G.P.M.
11:15	255 ft	60 sec		1 G.P.M.
11:30	255 ft	60 sec		1 G.P.M.
11:45	255 ft	60 sec		1 G.P.M.
12:00	255 ft	60 sec		1 G.P.M.
12:15	255 ft	60 sec		1 G.P.M.
12:30	255 ft	60 sec		1 G.P.M.
12:45	255 ft	60 sec		1 G.P.M.
1:00	255 ft	60 sec		1 G.P.M.
1:15	255 ft	60 sec		1 G.P.M.
1:30	255 ft	60 sec		1 G.P.M.
1:45	255 ft	60 sec		1 G.P.M.

HAVILAND MILL ROAD

LOT 1  
3.166 AC

TANK

HOUSE:  
FIRST FLOOR 398.5  
BASEMENT 390.0  
INVERT 389.26

TANK:  
EXISTING GRADE 391.5  
PROPOSED GRADE 391.5  
INVERT IN 389.05  
INVERT OUT 388.30

DISTRIBUTION BOX:  
EXISTING GRADE 391.7  
PROPOSED GRADE 391.7  
INVERT 388.7

TRENCHES:

LENGTH	WIDTH	STONE	INVERT	BOTTOM	
40'	2'	6'	388.5	382.5	#1
40'	2'	6'	387.3	381.3	#2

12/3/82  
Sketch OK F.S.

PLOT PLAN

LOT ONE

ZIRN PROPERTY

PLAT # 5299

5th ELECTION DISTRICT

HOWARD COUNTY MARYLAND

SCALE 1"=100' DATE 11/24/82

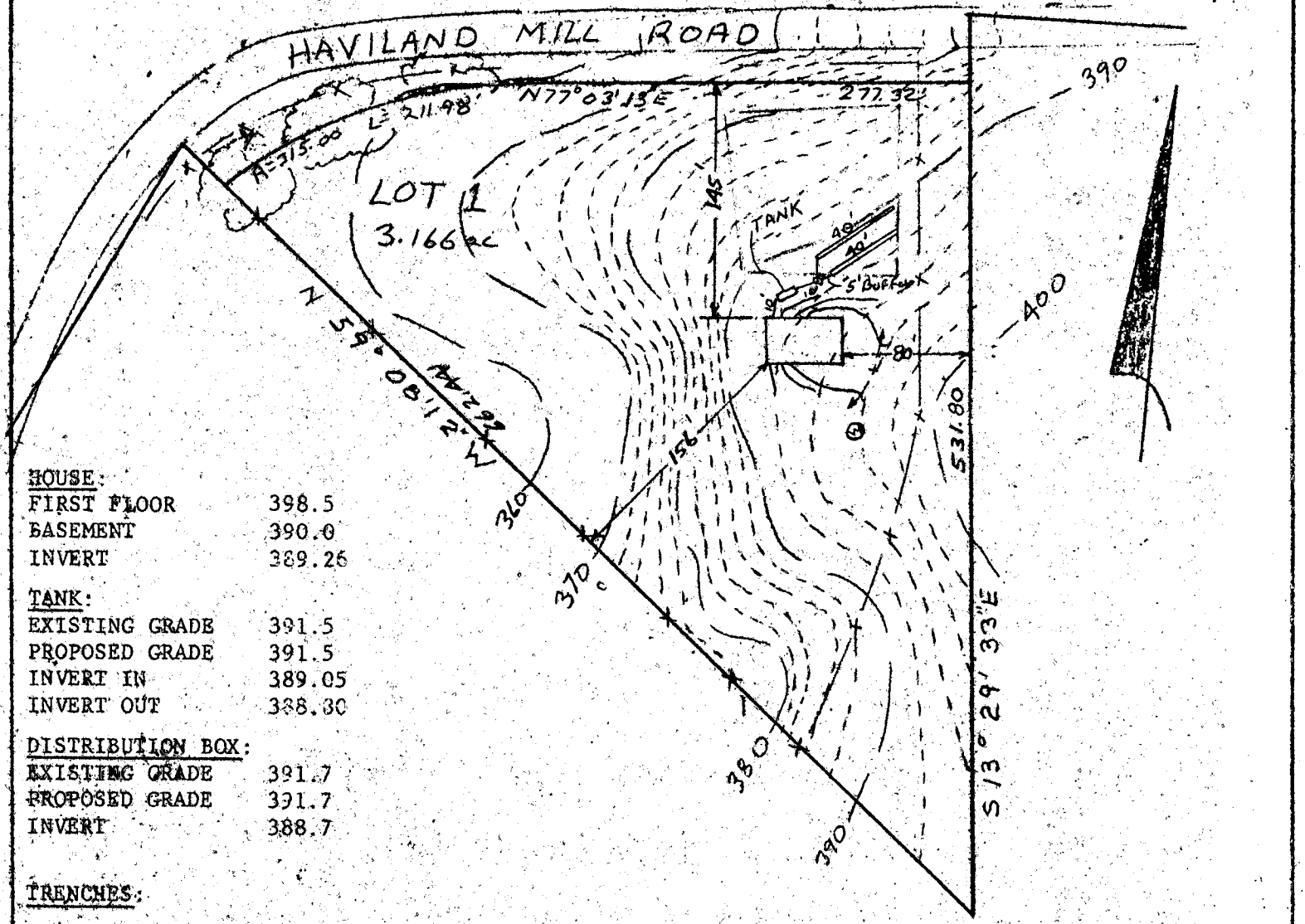
Paul Collins - owner

Stanley Souder - IDLR

854-0155


I certify the above measurements and elevations are true and actual for this property.

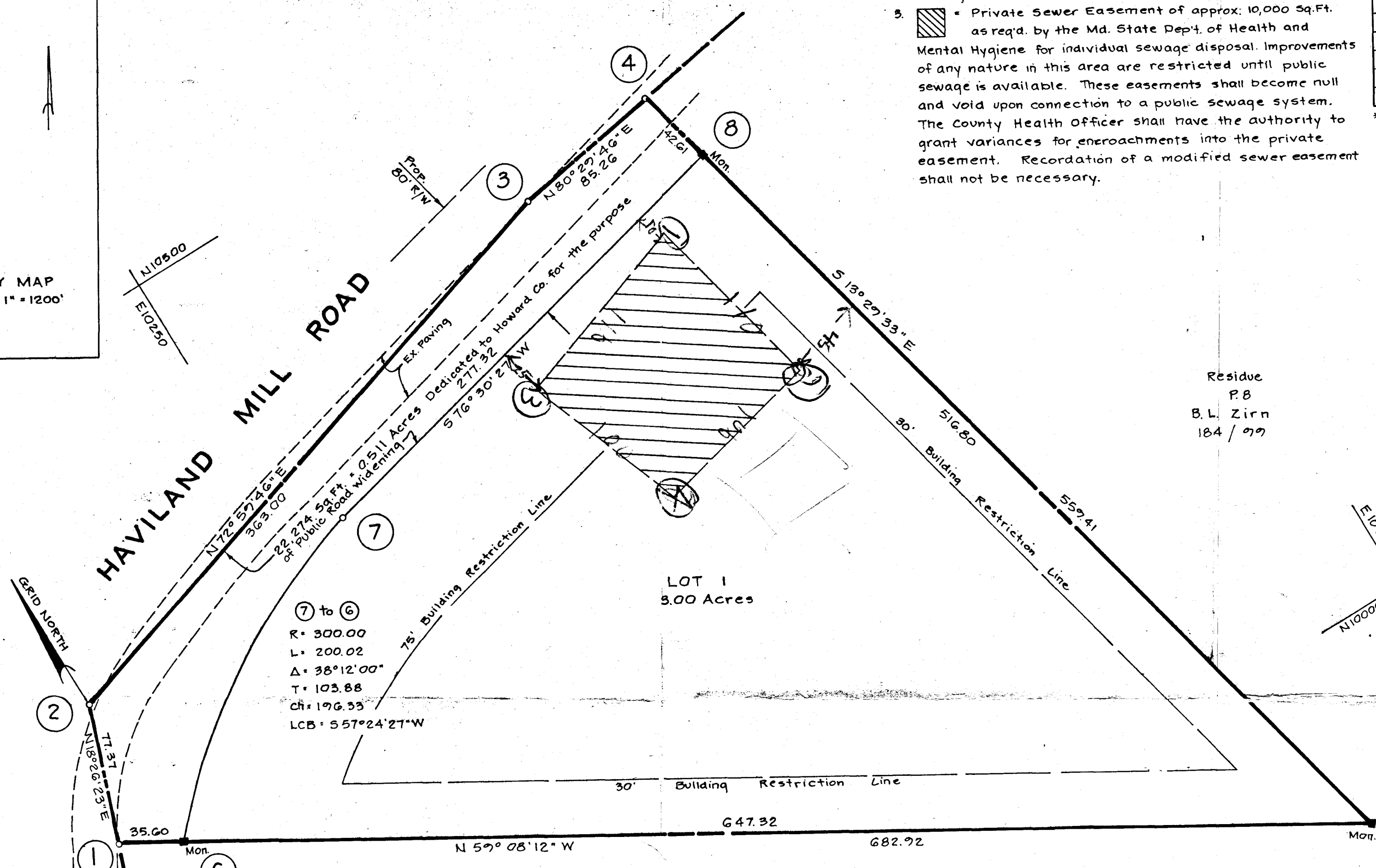
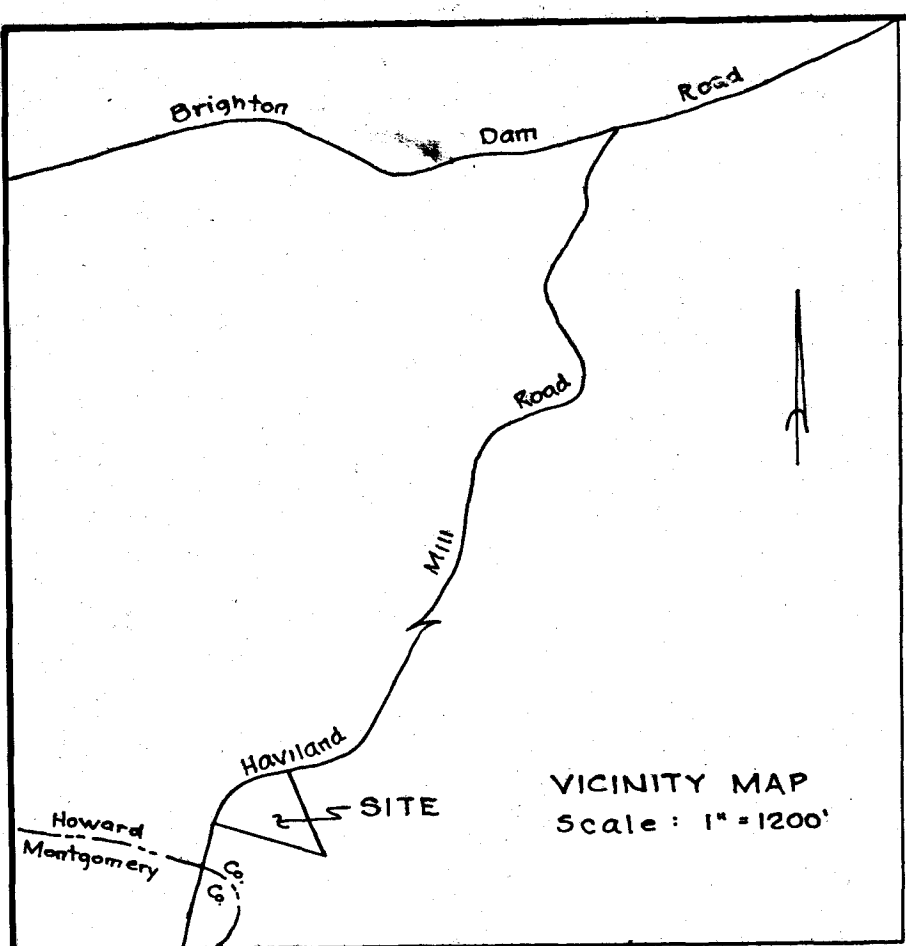
*J. Carl Higgins*  
J. Carl Higgins



COORDINATE		SCHEDULE *
NO.	NORTH	EAST
1	10247.47	10082.52
2	10320.88	10100.77
3	10427.04	10454.12
4	10441.12	10538.22
5	9877.15	10668.74
6	10227.22	10113.08
7	10334.78	10278.47
8	10377.68	10548.16

\* Datum Assumed

NOTES:  
 1. This plat subject to Vp # 82-98  
 2. Subject property Zoned R per 10-3-77 Comprehensive Zoning Plan.  
 3.  = Private Sewer Easement of approx. 10,000 Sq.Ft. as req'd. by the Md. State Dep't. 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 easement. Recordation of a modified sewer easement shall not be necessary.



Residue  
P.B.  
B.L. Zirn  
184/77

Residue  
P.B.  
B.L. Zirn  
184/77

Owner:  
Bertram L. & Grace E. Zirn  
Haviland Mill Road  
Brinklow, Maryland 20727

RECEIVED  
AUG 23 1982

DIVISION OF LAND DEVELOPMENT  
OF HOWARD COUNTY

Prepared by:  
NTT ASSOCIATES  
Suite 101, Sterrett Building  
Columbia, Md. 21044



TABULATION:

Total No. of Lots to be recorded	- 1
Total Area of Lots to be recorded	- 3.000 Acres
Total Area of Roadway to be recorded	- 0.511 Acres
Total Area of Subdivision to be recorded	- 3.511 Acres

*F.S. said Mr Boyd signed plat in Oct 82*

APPROVED: For Private Water and Private Sewerage Systems, Howard County Health Department

County Health Officer \_\_\_\_\_ Date \_\_\_\_\_

APPROVED: Howard County Office of Planning and Zoning

Director \_\_\_\_\_ Date \_\_\_\_\_

APPROVED: For Storm Drainage Systems and Public Roads, Howard County Dept. of Public Roads

Director \_\_\_\_\_ Date \_\_\_\_\_

OWNER'S DEDICATION

I, (We) Bertram L. & Grace E. Zirn owner(s) of the property shown and described hereon, hereby adopt this plan of subdivision & in consideration of the approval of this Final Plat by the Office of Planning & Zoning establish the min. bldg. restriction lines & grant unto Howard Co., Md., its successors & assigns (1) the right to lay, construct & maintain sewers, drains, water pipes & other municipal utilities & services in & under all roads & street rights-of-way & the specific easement areas shown hereon, (2) the right to require dedication for public use the beds of the streets and/or roads, & floodplains & open space where applicable & for good & other valuable consideration, hereby grant the right & option to Howard Co. to acquire the fee simple title to the beds of the streets and/or roads & floodplains, storm drainage facilities & open space where applicable & (3) the right to require dedication of waterways & drainage easements for the specific purpose of their construction, repair & maintenance & (4) that no bldg. or similar structure of any kind shall be erected on or over the said easements & rights-of-way. Witness my (our) hand(s) this 3 day of August 1982.

Owner(s) Signature(s) Grace E. Zirn Bertram L. Zirn Date 8/13/82

Witness Carl Hudgins Date 8/13/82

SURVEYOR'S CERTIFICATE

I hereby certify that the Final Plat shown hereon is correct, it is a subdivision of <sup>part</sup> of the lands conveyed by James R. & Rose D. Cuff to Bertram L. & Grace E. Zirn by deed dated Jan. 4, 1945 and recorded in the Land Records of Howard County, Md., in Liber 184 Folio 77 & that all monuments are in place as shown in accordance with the Annotated Code of Maryland, as amended.

Carl Hudgins 8/13/82  
Signature Date

ZIRN PROPERTY  
LOT 1

Tax Map 40  
Zoned R  
Parcel 8

5th Election District  
Howard County, Md.  
Scale: 1" = 50'  
Date: Aug. 11, 1982

*Copy of orig. sent for signature Oct. 82/1982*

1-P-82-98