

3/10/85
A-1000
3-27-85

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

OS-387191

INDEXED

ELLICOTT CITY

DISTRICT 5th

DATE 12/21/84

34691
A 33278

Joseph M. Magnolia

IS PERMITTED TO INSTALL ALTER

ADDRESS _____ PHONE 202-829-8510

SUBDIVISION Julius Property ROAD 6536 Haviland Mill LOT 2

PROPERTY OWNER Joseph M. Magnolia

ADDRESS _____

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 2200 GALLONS NUMBER OF BEDROOMS 5

705
1000

TRENCHES - 193 sq. ft. per bedroom with garbage disposal. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 10 feet below original grade. Effective area begins at 3 feet below original grade. 7 feet of stone below distribution pipe.

LOCATION: Start the trench at perc hole #2 which is located 270 feet from the point where the 296.91 ft. lot line and the 389.13 ft. lot line intersect and 60 feet from the 560.95 ft. long lot line. Run part of the trench toward the 560.95 ft. long lot line and part away from this lot line. Space trenches 14 feet apart. 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(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

SEWAGE EJECTOR PUMP TO BE USED FOR BASEMENT ROUGH-IN BATHROOM.

PLANS APPROVED BY Raymond Hodges/Frank Skinner DATE 9/11/84

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.

BLDG. PERMIT SIGNED AND RETURNED 1/31/85
Serial # 62720 - Pool.

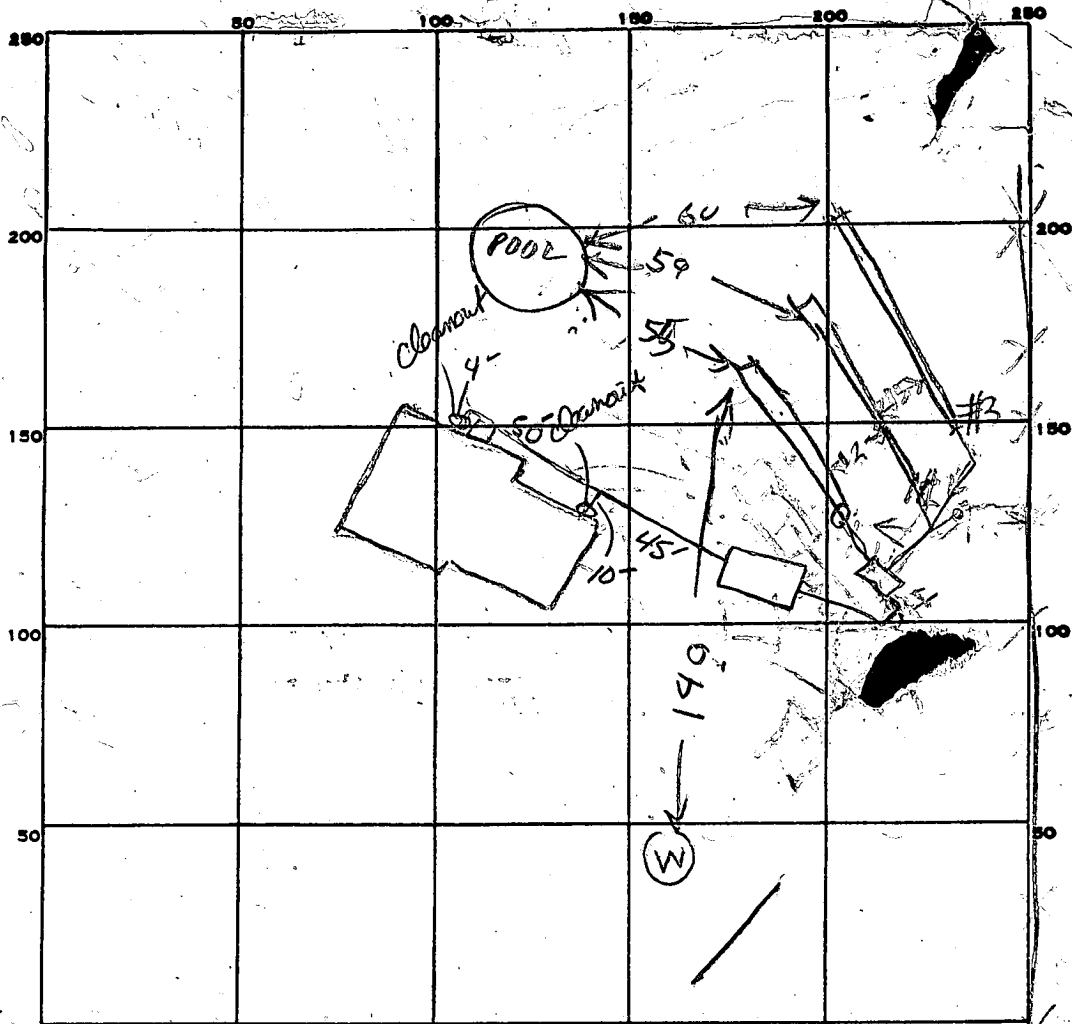
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

193
7/9/85

A 33278



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD

TRAYERS TANK

SEPTIC TANK, LEVEL

2500

CLEANOUTS

DISTRIBUTION BOX, LEVEL

OK

TRENCH

DEPTH	#1	#2	#3	FT.	TRENCH WIDTH	#1	#2	#3	FT.
	10	10.5	10		2	2	2		
GRAVEL DEPTH	7	7.5	7	IN.	TOTAL LENGTH	52	59	82	FT.

NUMBER OF TRENCHES	ONE	#1	#2	#3	TOTAL
	3	364	442	574	1380

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

ABSORBENT AREA _____ SQ. FT.

REMARKS

3/19/85 - NOTHING DONE BUT DISCUSSED W/OB. WITH INSTALLER RH

3/21/85 2:00 PM ADD STONE TO TRENCH #1 & #2 DIG TRENCH #3

3/21/85 4:00 PM TRENCH #3 DUG. ADD STONE TO TRENCH #1 #2 #3 & FINISH JOBS

3/27/85 - 5 BR - 5 X 193 = 995 SQ FT REQUIRED, 1380 SQ FT
 INSTALLED. OK TO COVER TRENCHES & BOX & BOX TO TANK
 FINISH HOOKUP & CALL RH

DATE SYSTEM APPROVED

3-29-85

INSPECTOR

S Abel

APPLICATION

Retest

A 33278

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 5th

DATE 11/2/83

*Note: This is a perc test for
Relocation of Septic casement.*

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 Joseph + Barbara Magnolia / *Note: FIRST OWNER WAS*
Julius + MARY Hoover

ADDRESS 10142 Dallas Ave Silver Spring, Md. PHONE 301-593-7191-Home
202-829-8510-Work

PROPERTY LOCATION:

SUBDIVISION Julius Hoover Property LOT NO. 2

ROAD AND DESCRIPTION HAVILAND MILL RD - NORTH OF WAYSIDE DRIVE + SOUTH
of Brighton Dam. Rd.

SIZE OF LOT 3.7 ACRES TYPE BLDG. 5 Bedroom House
(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.

Joseph M Magnolia
(SIGNATURE OF APPLICANT)

APPROVED BY Raymond J. [Signature] FOR [Signature] DATE 11/2/83

REJECTED BY _____ FOR _____ DATE _____

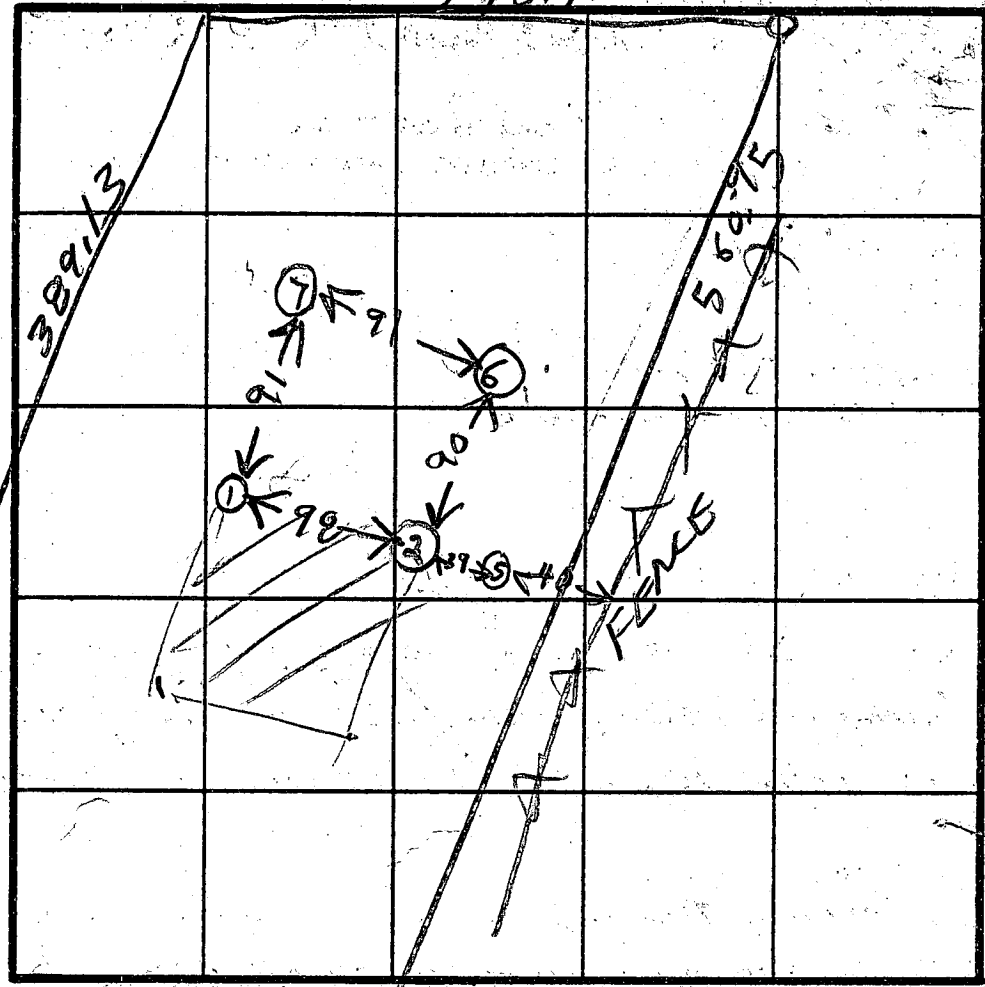
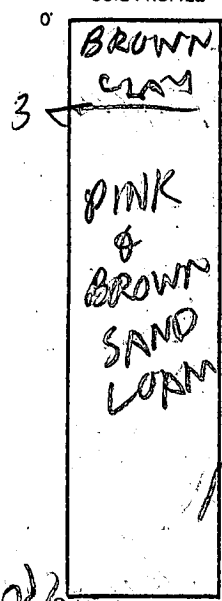
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 1/9/83 / Per OK

THIS IS NOT A PERMIT

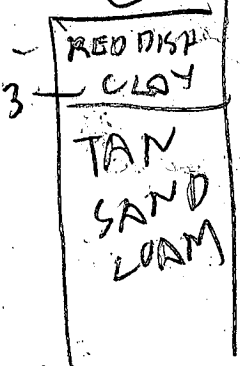
296.91

5
SOIL PROFILE



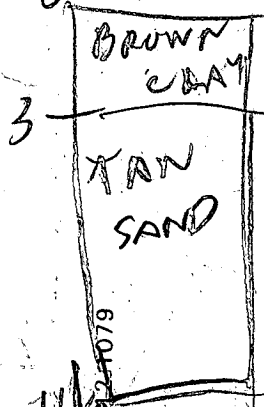
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

6



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/19/23	5S	6 1/2	1007	1013	1013	1027	14
1/19/23	5V	12 1/2	OK				
	6S	6 1/2	1016	1017	1017	1020	3
	6V	12 1/4	OK				
	7S	16	1029	1044	1044	1100	19
	7V	11 1/2	OK				

7



200 1400 7

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____

R. Hodge

OWNER: *Jo e MAJ NOLIA*
 BACKHOL: *JOHN JUSTI*
 ALSO PRESENT: _____

APPLICATION

1/16/79
9:30 A.M.
10:30 A.M.

A 29385

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 5th

Specs - next page

DATE 1/8/79

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 Julius Hoover

ADDRESS 6540 Havilland Mill Road, Clarksville, Md. 21029 PHONE 286-3711

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION adjacent to 6540 Havilland Mill Road

SIZE OF LOT 4 acres TYPE BLDG. 3 or 4 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.

SIGNATURE OF APPLICANT Julius Hoover Sr.

APPROVED BY J. Stanger FOR drywell DATE 1/19/79

REJECTED BY _____ FOR _____ DATE _____

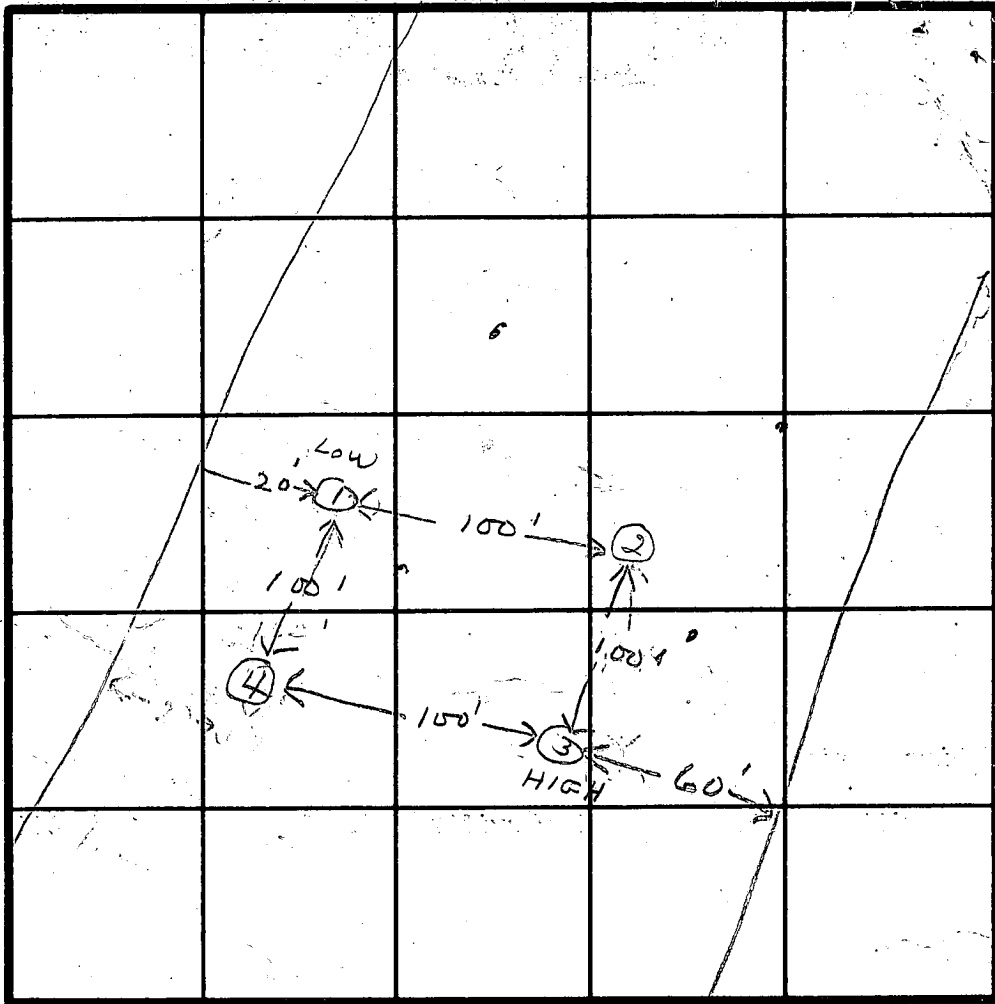
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

SOIL PROFILE

0-4 ft
clay
4-13 ft
clay, gravel



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
HAVILAND MILL RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/16/79	1 S	4	10:55	Failed	1 1/2 INCH		
	1 D	14	10:55	11:10	11:10	11:32	22
	7 M	5	11:58	12:16	12:16	12:45	29
	2 S	4	12:05	12:08	12:08	12:12	4
	2 M	13	12:05	12:12	12:12	12:20	8
	3 S	4	12:25	12:30	12:30	12:36	6
	3 D	13	12:25	12:31	12:31	12:39	8
	4	14	VISUAL				

REMARKS LOT NOT STAKED OFF. Hole #1 shell heavy clay - lowered depth 1 ft, very slow perc.

TYPE OF SOIL _____

TESTED BY JS

ALSO PRESENT MR. HOOVER
KETTERMAN

B 1 1315 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
40-81-0431
fill in this form completely

Date Received 3/8/84
OWNER INFORMATION
MAGDOVIA M. JOSEPH
10142 DALLAS AVENUE
SILVER SPRING MD 20901

B 3 LOCATION OF WELL
HOWARD COUNTY
HOOPER PROP.
SECTION 44 46 LOT 2 48 50
BRISHTOWN
MILES FROM TOWN 1/4 MI

DRILLER INFORMATION
Joseph S. Wayne
5512 Ridge Rd. Mt. Airy, Md. 21771
1/21/84

B 4
Hariland Mill Road
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 270 FT

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT-APPROVAL
HOWARD COUNTY NAME
A 33278 COUNTY NO.
DATE ISSUED 8/22/84
CO SIGNATURE Frank Slania
NORTH GRID 495000 EAST GRID 0801000

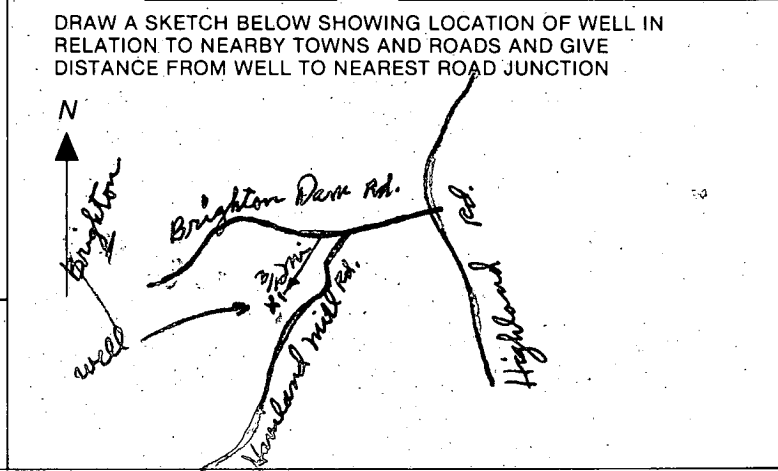
USE FOR WATER (CIRCLE APPROPRIATE BOX)
HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 260 FEET
APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
WELL
WRITE THE BOX NUMBER FROM THE MAP HERE
800 1
490 5

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



Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER GAP
FORCE FS PERMIT NO. 40-81-0431

SPECIAL CONDITIONS

C1 4509
 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 **A 33278**

DATE Received: [] [] [] [] [] []
 DATE WELL COMPLETED: **030984**
 Depth of Well: **300** (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL": **40-81-0431**

OWNER: **Magnolia Joseph M**
 STREET OR RFD: **Haviland Mill Rd.** TOWN: **Brighton**
 SUBDIVISION: **Julius Hoover property** SECTION: [] LOT: **2**

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	
Brown Shale	0	20	
Sand	20	72	
Gray mica rock	72	300	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **14** NO. OF POUNDS **1316**
 GALLONS OF WATER **84**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **50** ft.
 (enter 0, if from surface)

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

MAIN CASING TYPE: **ST**
 Nominal diameter top (main) casing (nearest inch): **6**
 Total depth of main casing (nearest foot): **77**

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

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

C2
 DEPTH (nearest ft.)
 1 **H10** **75** **300**
 2 [] [] [] [] [] [] [] [] [] []
 3 [] [] [] [] [] [] [] [] [] []
 SLOT SIZE 1 [] 2 [] 3 []
 DIAMETER OF SCREEN [] [] [] (NEAREST INCH)

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

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. **238**
 DRILLERS SIGNATURE: **Joseph L. Magne**
 (MUST MATCH SIGNATURE ON APPLICATION)

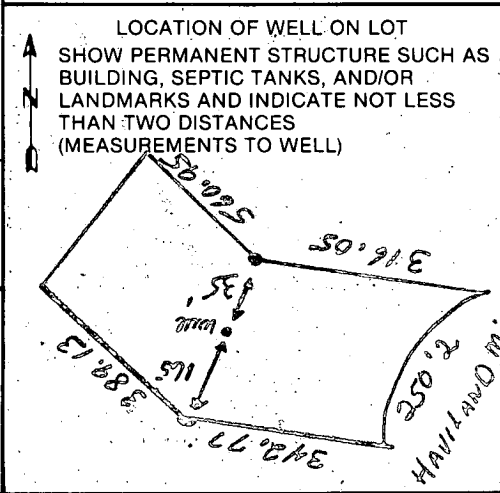
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK [] from [] to []
 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) **6**
 PUMPING RATE (gal. per min. to nearest gal.) **23**
 METHOD USED TO MEASURE PUMPING RATE **bucket**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **27**
 WHEN PUMPING **196**
 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 } LAND SURFACE [] (nearest foot)
 (-) below }

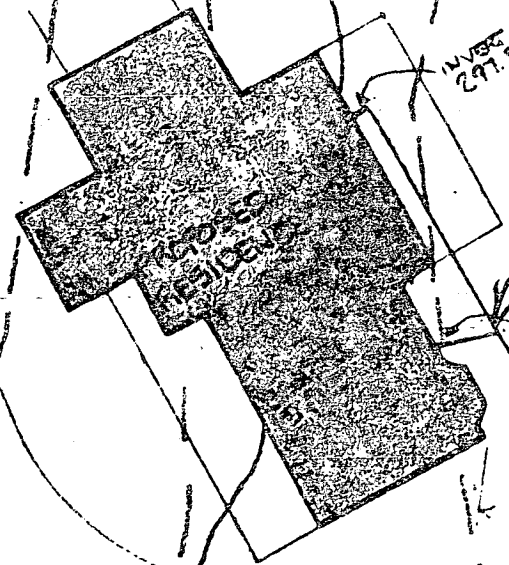


5 Bedrooms
with Garbage Grinder

9/11/84
Sketch OK.

J. J. [Signature]

AT 4291



cleanout need
every 75' or
less

10,000 SQ. FT.
SEPTIC EASEMENT

BUILDING RESTRICTION LINE

INVERT OF
297.91

INVERT OF
295.55

INVERT IN
294.64

INVERT
OUT 294.47

DRYWELL INLET
295.77

WATER WELL
EXIST ELEV.
301.2'

306

304

302

300

(2)

133'

30'

296

32'

298

294

292

S 12° 17' 00" E
560.95'

100'

291.0'

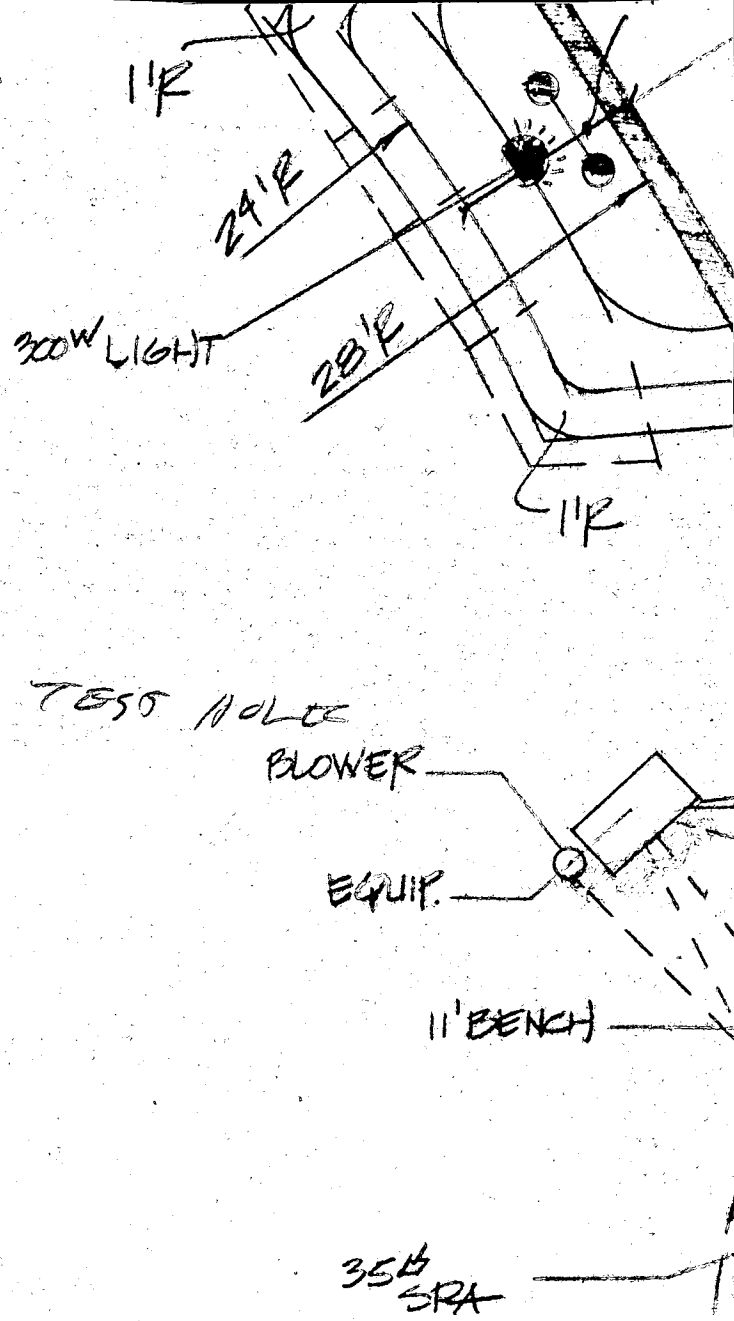
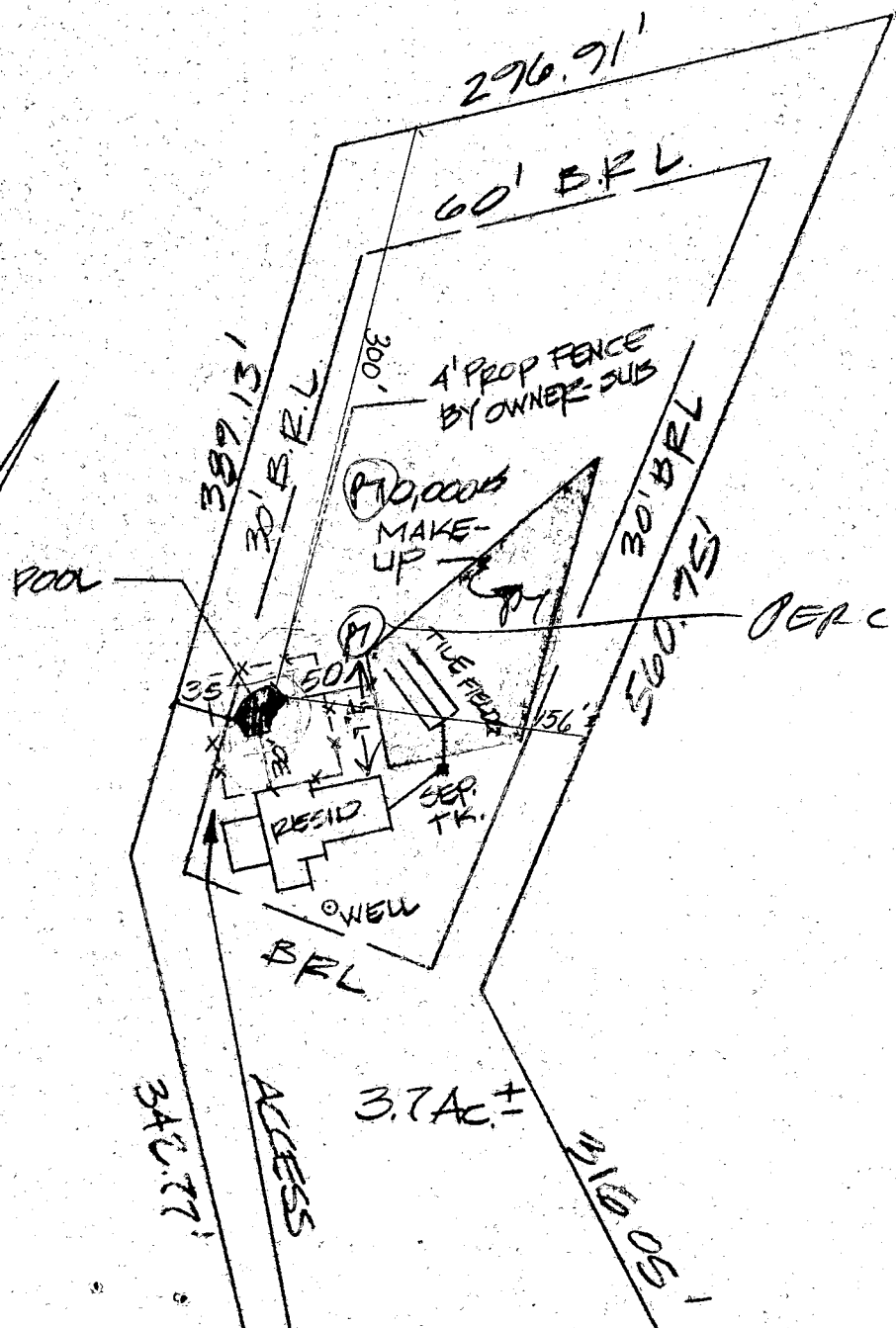
294.2'

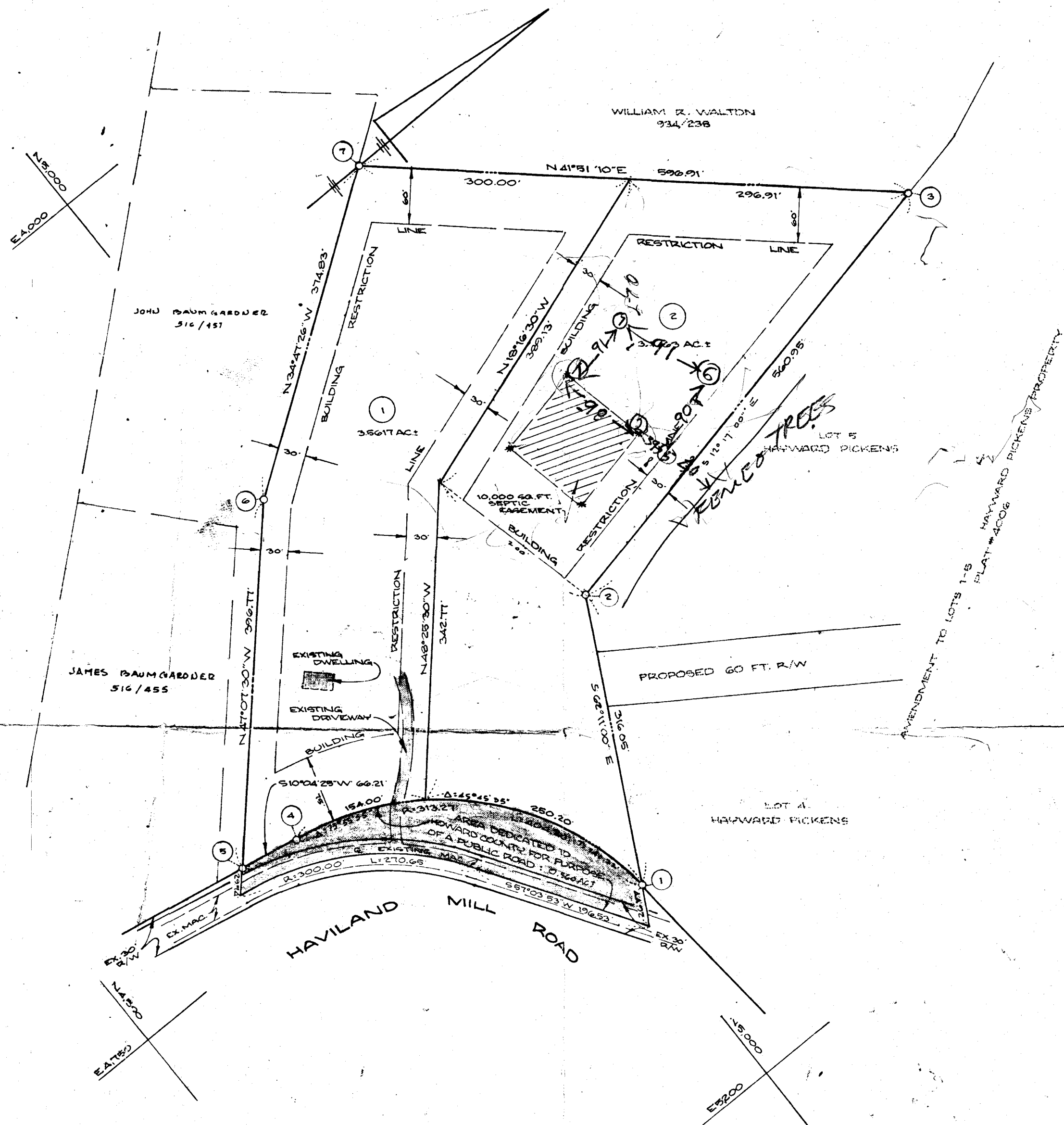
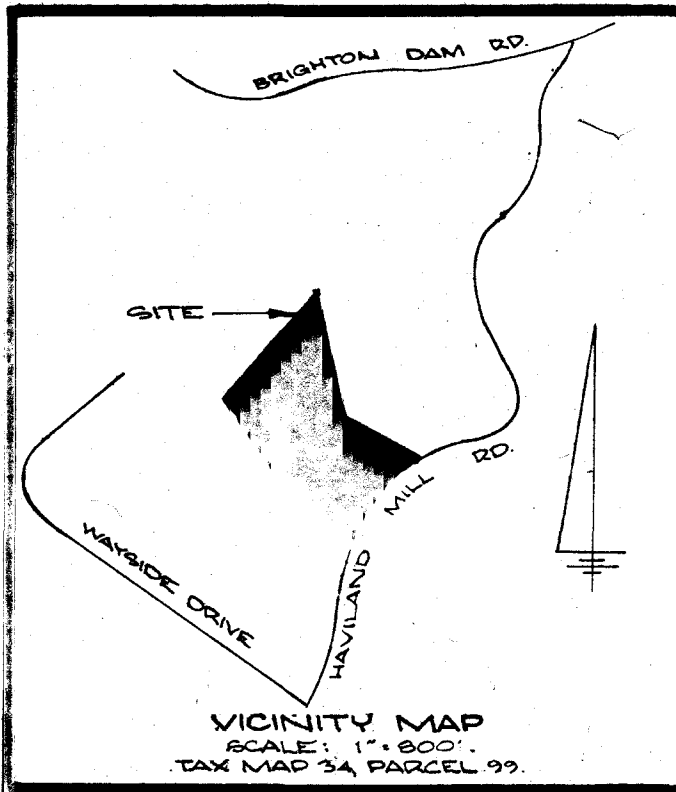
292.1'

70° W

60' R/W

SCALE
1" = 100'





ASSUMED COORDINATES		
NO.	NORTH	EAST
1	5020.76	4960.27
2	5168.44	4880.74
3	5716.55	4561.40
4	4757.33	4679.35
5	4674.14	4667.77
6	4964.10	4377.00
7	5271.93	4163.13

COORDINATES FROM RECORDED PLAT # 3843

TABULATIONS

1) TOTAL NO. OF LOTS:	2
2) TOTAL AREA OF LOTS:	7.3080 AC.±
3) AREA OF ROAD DEDICATION:	0.5600 AC.±
4) TOTAL AREA OF PLAT:	7.8680 AC.±

NOTE: THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH & LOT AREA AS REQUIRED BY THE MD. STATE DEPT. OF HEALTH & MENTAL HYGIENE.

NOTE: SUBJECT PROPERTY ZONED R PER OCTOBER 3, 1971.

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF APPROXIMATELY 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH & MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE & SERVICING ANY RESIDENTIAL STRUCTURE ON THIS BUILDING SITE. THIS EASEMENT SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM.

* DENOTES FIELD-LOCATED PERC HOLES.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.
Jogun Byrum 5-2-79
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas L. Harris 5-9-79
 DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
John F. Nemery 5-7-79
 DIRECTOR DATE

SURVEYOR'S CERTIFICATE
 I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THOSE LANDS WHICH, BY DEEDS DATED JUNE 9, 1956 & JANUARY 16, 1958, AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 284, FOLIO 192, AND LIBER 310, FOLIO 321, RESPECTIVELY, WERE GRANTED AND CONVEYED BY G. RUST CANBY, ET AL., TO JULIUS HOOVER AND MARY E. HOOVER, HIS WIFE, AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.
Walter Park
 WALTER PARK
 REGISTERED L.S. # 8539
 Jan 30, 1979
 DATE

OWNER'S CERTIFICATE
 WE, JULIUS HOOVER AND MARY E. HOOVER, OWNERS OF THE LAND SHOWN & DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS PLAT BY THE OFFICE OF PLANNING & ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES, AND GRANT UNTO HOWARD COUNTY, MARYLAND, 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) DEDICATE TO PUBLIC USE THE BEDS OF THE STREETS & ROADS, FLOOD PLAINS, & OPEN SPACE, WHERE APPLICABLE, & FOR ONE DOLLAR (\$1.00) CONSIDERATION GRANT UNTO HOWARD COUNTY THE RIGHT & OPTION TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS & ROADS, FLOOD PLAINS, & OPEN SPACE, WHERE APPLICABLE; (3) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER SAID EASEMENTS & RIGHTS-OF-WAY; (4) IT IS FURTHER AGREED THAT THE MAINTENANCE OF ALL WATERWAYS, DRAINAGE EASEMENTS, & FLOOD PLAINS IS THE RESPONSIBILITY OF THE PROPERTY OWNERS, THEIR SUCCESSORS & ASSIGNS. WITNESS OUR HANDS THIS THE DAY OF 1979.
Julius Hoover 2/2/79
 JULIUS HOOVER DATE
Mary E. Hoover 2/2/79
 MARY E. HOOVER DATE

RECORDED AS PLAT NUMBER 4291 ON 5-10-79 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.
 FINAL PLAT
JULIUS HOOVER PROPERTY
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MD.
 JANUARY 26, 1979 SCALE: 1"=100'
 TAX MAP 34, PARCEL 99
 ENGINEER
 HUDKINS ASSOCIATES, INC.
 231 JOSEPH SQUARE
 COLUMBIA, MD. 21044

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0431
 Location of property (road) Hawilland Mill Rd.
 Subdivision Julius Hoover property Lot 2 Block Plat Sec.
 Well Driller Joseph L. Mayne Owner Joseph M. Magualie

Depth of well 300'
 Distance of measuring point (M.P.) above ground 18"
 Static water level (S.W.L.) below M.P. 27

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 1.0 gal.
 Total time 30 min. to reach pumping water level 192 ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 4 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:15	115	500		12
8:30	192	6		10
8:45	193	20		3
9:00	193	20		3
9:15	193	20		3
9:30	193	20		3
9:45	194	20		3
10:00	196	20		3
10:15	195	25		2 1/2
10:30	195	25		2 1/2
10:45	190	25		2 1/2
11:00	190	22		2 3/4
11:15	190	22		2 3/4
11:30	190	22		2 3/4
11:45	190	22		2 3/4
12:00	190	22		2 3/4
12:15	190	22		2 3/4
12:30	190	22		2 3/4
12:45	190	22		2 3/4
1:00	190	22		2 3/4
1:15	190	22		2 3/4
1:30	190	22		2 3/4
1:45	190	22		2 3/4
2:00	190	23		2 3/4