

11-16-99  
late  
C.O.

03-313530

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 572789

A 39027

DISTRICT \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

DATE 10-29-99

BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 11/16/99

INSPECTOR DKS

**INDEXED**

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

ADDRESS P.O. Box 89, Glenelg, MD 21737 PHONE 410-988-9270

SUBDIVISION Dulany Property LOT 2 ROAD 12188 Willowind Court

PROPERTY OWNER Wang

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

*11/1/99 spoke to Jack Fyock - we requested change in system specs to allow for bent sewer by gravity. I approved the change. (DKS)*

TRENCHES - Trench to be 3 feet wide. Inlet <sup>4</sup> feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3 feet below original grade. 1.62 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 347.19' lot line and 330.00 lot line, begin trenches 210 feet up the 330.00' lot line and 110 feet off that same lot line. Run trenches on contour toward the 330.00 lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK SRM 9/7/99

PLANS APPROVED BY Amy McMillen DATE 8-26-1999

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: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

**BUILDING PERMIT SIGNED AND RETURNED**

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH 4-16-03 B0014275 - Sun Room

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS 7-23-03 B00143138 - DIECK

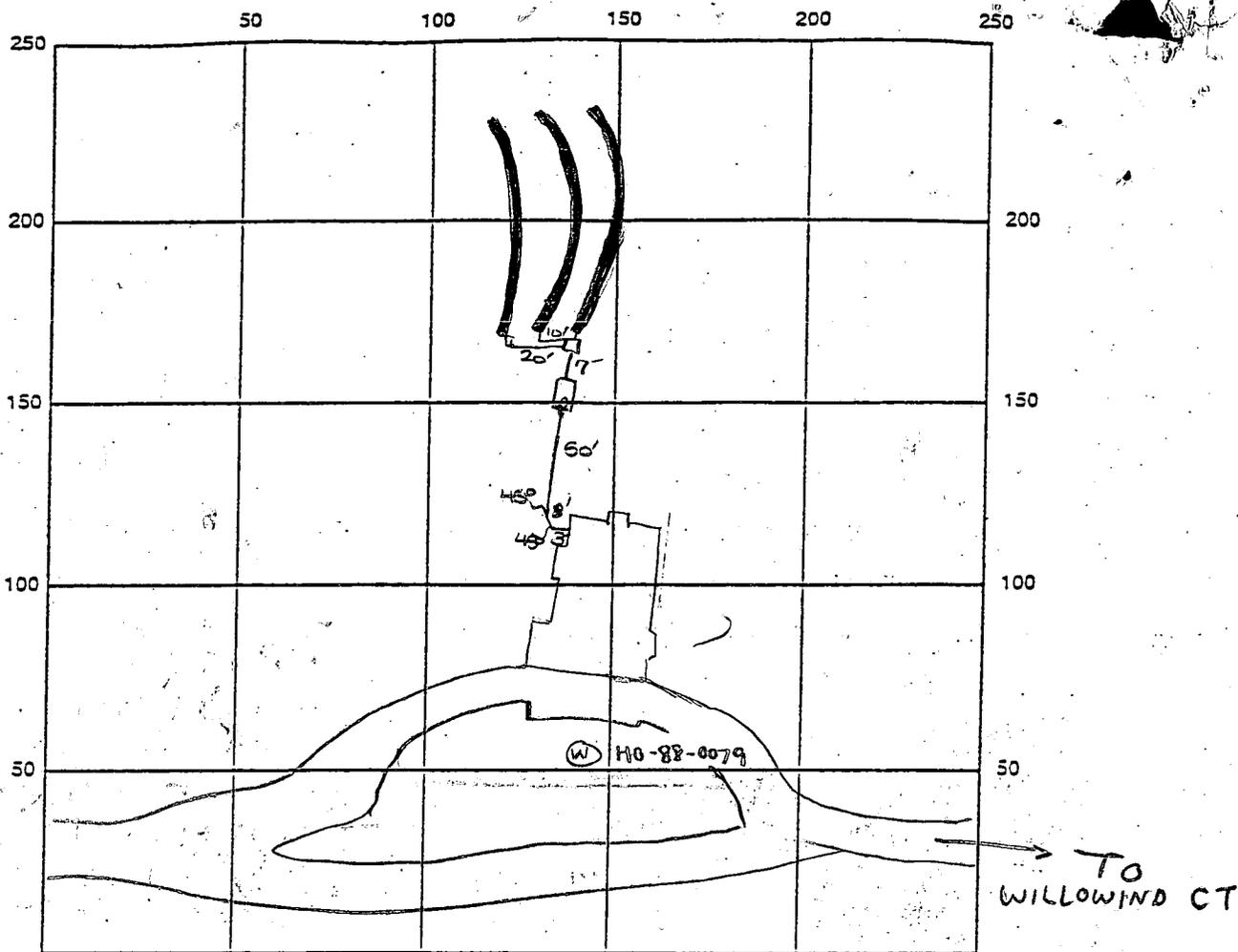
PERMIT VOID AFTER TWO YEARS

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 PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

39027



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK-1250 gal CLEANOUTS one on site

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 5.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 3x80 FT. → 240

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 11/16/99 Final Insp - OK to cover all septic work DKS

**BUILDING PERMIT SIGNED**

**AND RETURNED**

\* 11/16/99 WPI - performed by Custom D&H - Need to reinspect prior to  
ICOP - no 2 piece cap, wrong PVC pipe on wire, casing less  
than 8" above grade. DKS

DATE SYSTEM APPROVED 11/16/99 INSPECTOR DKS



HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (RED Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Orton Plumbing Co Telephone #: 410 796 8358  
Address: 6982 Greenfield Rd  
Ellicott City Md 21042

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:

Name (Print): Michael Ormiston License # 9944

\*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Sheng Tsung Wang Telephone #: \_\_\_\_\_  
Subdivision: W Dullany Hill Lot #: 2 Well Tag #: HO-88-0079  
Site Address: 12-188 Wilburndale Ct  
Ellicott City Md 21042

**Submersible Pump Data**      **Pitless Adapter**      **Well Cap and Electric Conduit**  
Make: Goulds      Make: Merbury      Two piece watertight cap: yes  
Model #: 565D2412      Model #: BP 24      Screened, vented well cap: yes  
Pump Capacity: 5 GPM      Depth: 42 (36" min)      Cap secured to casing: yes  
Well Yield: 4 GPM      NSF approved: yes      Conduit min 1 1/2" B.G.: yes  
Depth of well encountered at time of pump installation: 30 (feet)      Conduit secured to well cap: yes  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
Torque wrench or Cable guard are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt: yes

**Piping to house**      **House Connection**  
Type: Roll Plastic      PVC sleeved to undisturbed soil at wall penetration: yes  
PSI: 160 (160 psi min)      Approximate length of sleeve: 8'  
Depth of supply line: 36" (36" min)      Sleeve caulked and sealed properly: yes

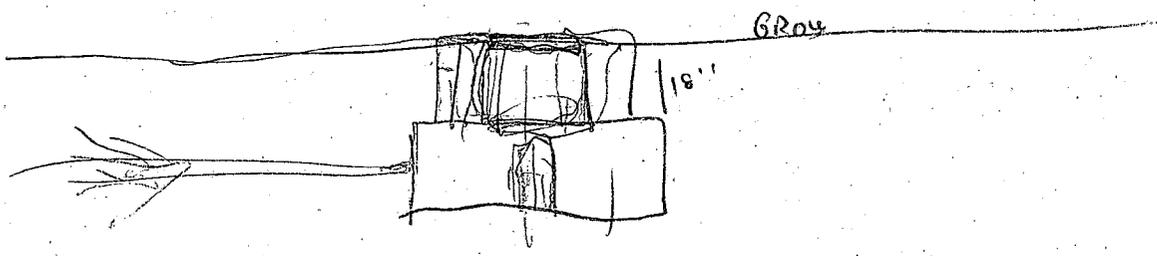
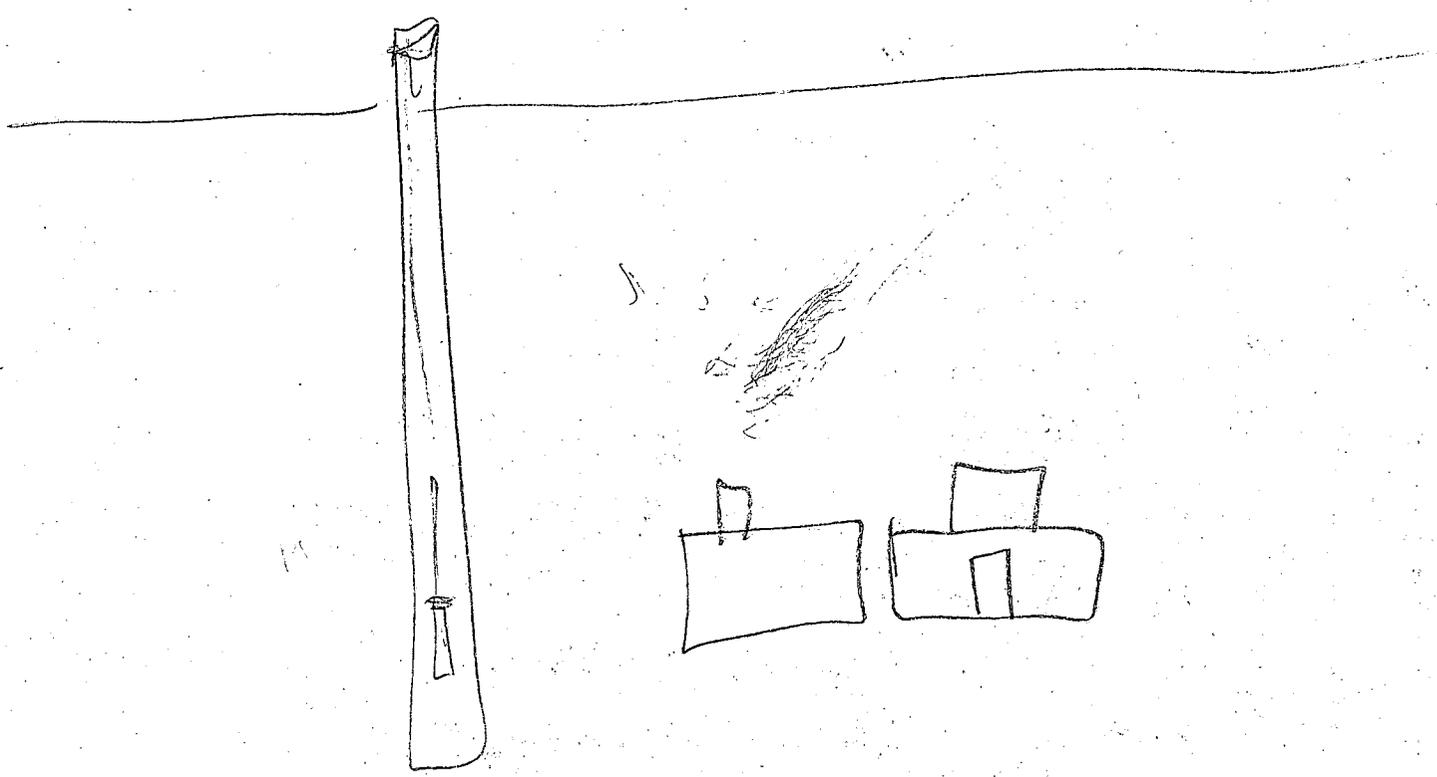
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Michael Ormiston      12/16/00  
Signature of company representative responsible for installation      date

For Health Department Use Only - Not to be completed by installer

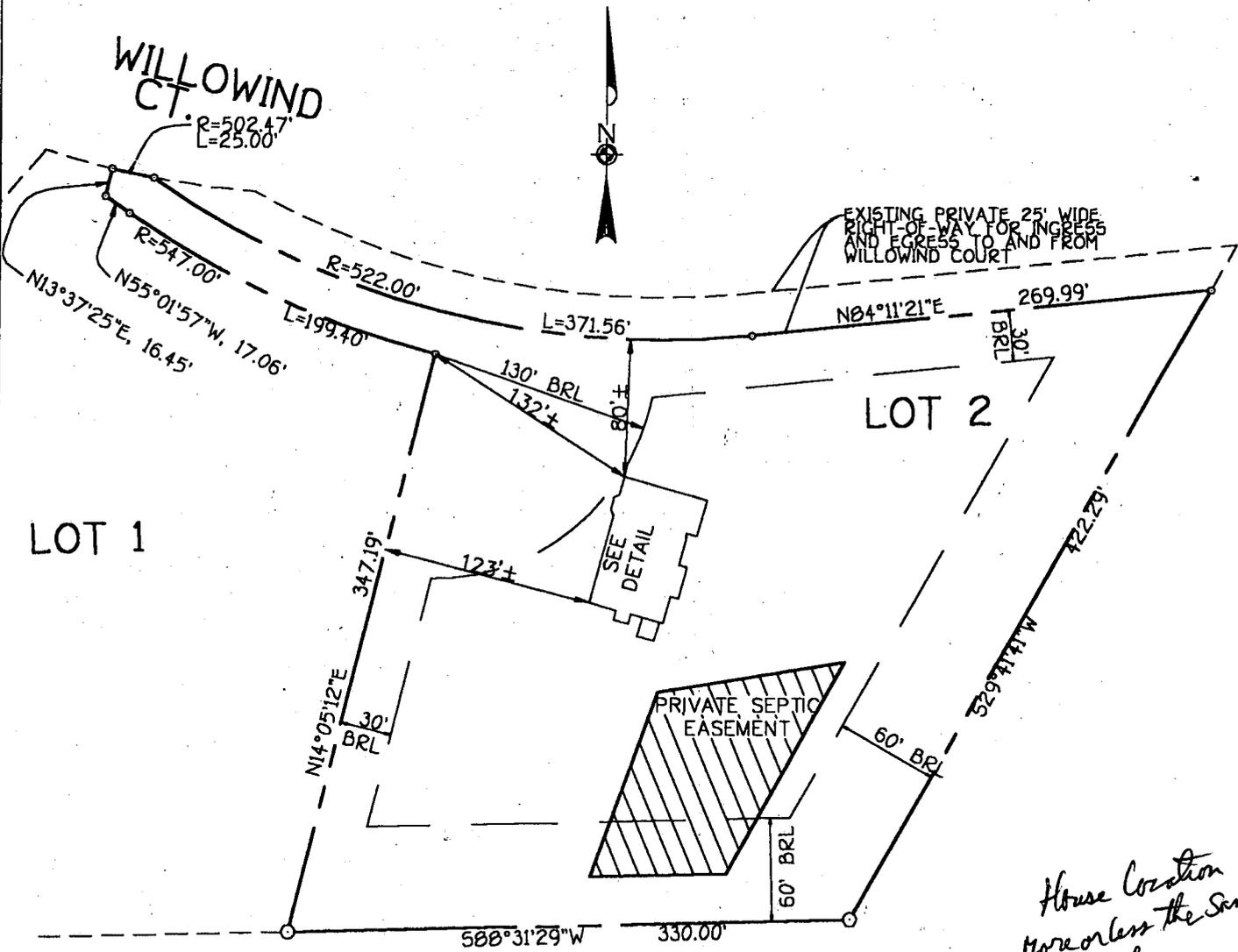
Date Insp. Requested: 12/16/99      Date Insp. Approved: 12/4/00  
Inspection Data: Pitless adapter and water supply line at least 36" below grade  SRU  
Two piece cap installed and attached to casing securely  SRU  
Elec. conduit extends at least 18" below grade/attached to cap properly  SRU  
Safety rope installed inside of well casing  SRU  
Correct well tag attached properly and casing 8" above finished grade  SRU  
Water supply line sleeved adequately at house connection  SRU  
Adequate gross observed below pitless adapter  SRU

ALSO 12/4/00

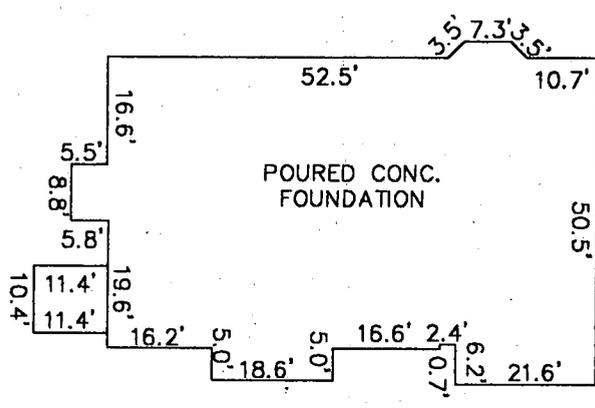


**GENERAL NOTES:**

- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044 0021 B, EFFECTIVE DATE: DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).



*House location more or less the same as on BP plan. OK & release Septic permit. App 10/20/99*



DETAIL 1"=30'

TOP OF FOUNDATION ELEV. 108.3'±  
 B.R.L.=BUILDING RESTRICTION LINE

LOT 2  
 W.DULANY HILL PROPERTY  
 LOTS 1 & 2  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 PLAT REF. 7924

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21042  
 (410) 461 - 2855



*Charles J. Crow, Sr.*  
 PROFESSIONAL LAND SURVEYOR  
 REG. # 10763  
 DATE 10/13/99

**HOUSE LOCATION DRAWING**

FOUNDATION LOCATION: 10/13/99  
 FINAL LOCATION: \_\_\_\_\_  
 BOUNDARY SURVEY: \_\_\_\_\_

SCALE: 1"=100'  
 DATE: 10/15/99  
 DRAWN BY: T.P.F.  
 CHECKED BY: C.C.  
 PROJECT No.: 51400



B 1 1615

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40-28-0079

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

please print or type

fill in this form completely

Date Received (APA)

06/1/88

OWNER INFORMATION:

NAINES JOSEPH

10069 CENTURY DRIVE

ELLCOTT CITY MD 21043

DRILLER INFORMATION

Paul M. Fabiszak

399

Driller's Name

77 License No. 80

G. Edgar Harr Sons' Corp.

Firm Name

12047 Falls Rd., Cockeysville 21030

Signature: Paul M. Fabiszak Date: 6-10-88

B 3

LOCATION OF WELL

10 JARVIS

4111 PROPERTY

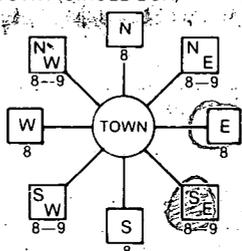
SECTION 44 46 LOT 2 48 50

GLENELE

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

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Willowind Court

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



225 DISTANCE FROM ROAD ENTER FT or MI FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750

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)

APPROXIMATE DEPTH OF WELL 200 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

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 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 58 IN 88

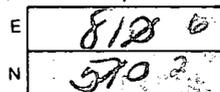
FORCE JM WRITE INITIALS IN BOX PERMIT No. 40-28-0079

SPECIAL CONDITIONS

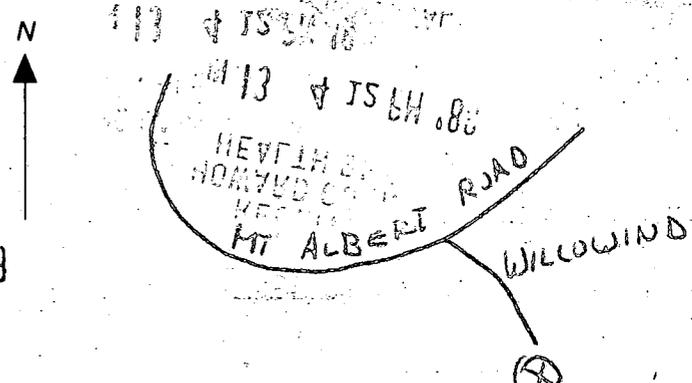
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE

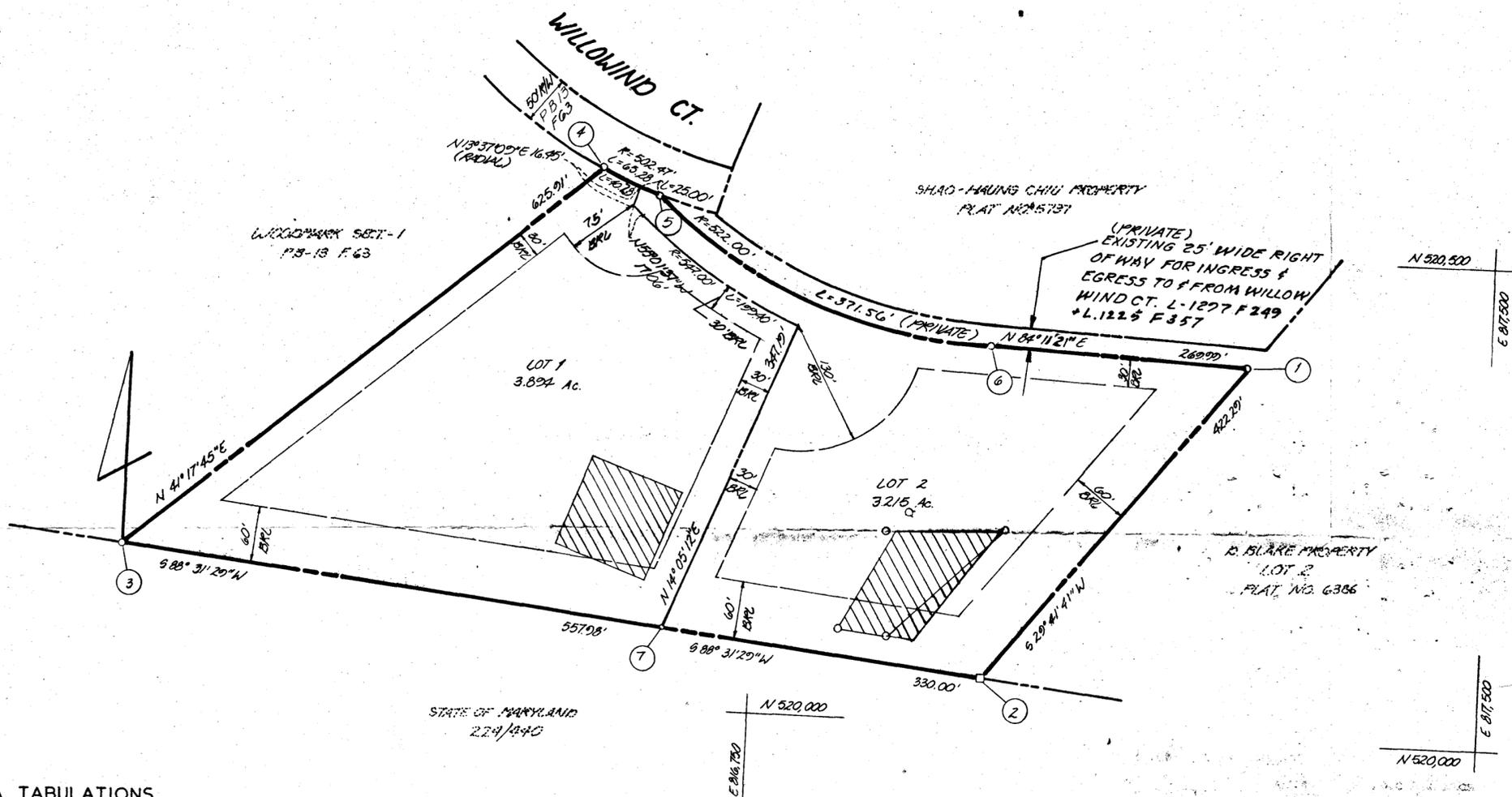
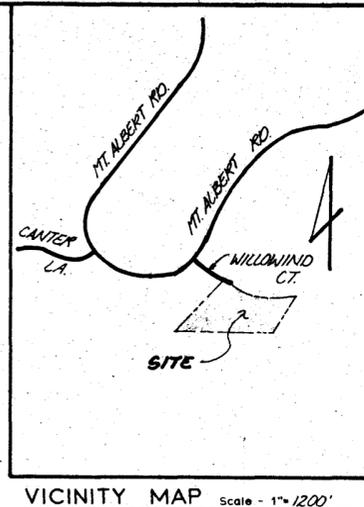


DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



COORDINATE SCHEDULE		
NO.	NORTH	EAST
1	520,437.520	817,192.290
2	520,070.690	816,983.100
3	520,047.828	816,095.414
4	520,518.082	816,508.482
5	520,501.760	816,571.640
6	520,410.180	816,923.600
7	520,062.194	816,653.209

CURVE DATA					LOT TABULATION				
NO.	RADIUS	LENGTH	TAN Δ	Δ	CHD. BEARING & DIST.	LOT NO.	GROSS LOT AREA (Ac.)	PIPESTEM AREA (Ac.)	NET LOT AREA (Ac.)
4-5	502.47'	65.28'	32.69	07°28'37"	S75°30'36"E 65.23'	1	3.894	0.017	3.877
5-8	522.00'	190.29'	26.21	20°53'11"	S65°28'13"E 190.24'	2	3.215	0.121	3.094
8-6	522.00'	181.27'	21.56	19°53'49"	S85°51'49"E 180.36'				



**GENERAL NOTES**

- 1) Tax Map - 22, Parcel - 335
- 2) Deed Reference - 1297/249
- 3) Coordinates shown hereon are based on Maryland State Plane coordinate system, Howard County control station 3/37201/3136001
- 4) Subject property zoned - R per 8-02-85 Comprehensive Zoning Plan.
- 5) • - Designates iron pin set.
- 6) The lots shown hereon comply with the minimum ownership width and lots required by the Maryland State Department of Health and Mental Hygiene.
- 7) This area designated a private sewage easement of a minimum of 10,000 sq. ft. 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 sewerage is available and servicing any residential structures constructed on these building sites. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewer easement. Recordation of a modified sewage easement shall not be necessary.
- 8) All percolation test holes shown hereon have been field located and shown thus (o).
- 9) For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem and the road right-of-way line, and not onto the flag or pipestem lot driveway.
- 10) Flag or pipestem lots shall not be further subdivided into lots accommodating additional residences unless a public road can be constructed according to county standards on a minimum fifty (50) foot right-of-way to be dedicated to the County.
- 11) THERE IS AN EXISTING DWELLING ON LOT 1.

**AREA TABULATIONS**

TOTAL NUMBER OF LOTS TO BE RECORDED: 2  
 TOTAL AREA OF LOTS TO BE RECORDED: 7.109 Ac.  
 TOTAL AREA OF ROADWAYS TO BE RECORDED INCLUDING WIDENING STRIPS: N/A  
 TOTAL AREA OF OPEN SPACE TO BE RECORDED: N/A  
 TOTAL AREA OF FLOODPLAIN TO BE RECORDED: N/A  
 TOTAL AREA OF SUBDIVISION TO BE RECORDED: 7.109 Ac.

RECORDED PLAT 7924  
 7/5 1988  
 AMONG THE LAND RECORDS  
 HOWARD COUNTY, MD.

**OWNER**  
 DR. W. DULANY HILL  
 % CATHERINE MILLIS  
 5570 STERRETT PLACE  
 COLUMBIA, MD. 21044

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT

*James Zelen* 6-13-88  
 HOWARD COUNTY HEALTH OFFICER # DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*W. A. ...* 7.1.88  
 PLANNING DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James ...* 6/21/88  
 DIRECTOR DATE

**OWNER'S STATEMENT**

I, WILLIAM DULANY HILL & FREDRIKA STUBBS HILL, owner of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this final plat by the Office of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns, 1) the right to lay, construct and maintain sewers, drains, water pipes and other municipal utilities and services, in and under all roads and street rights-of-way and the specific easement areas shown hereon, 2) the right to require dedication for public use, the beds of the streets and/or roads and floodplains and open space where applicable, and for good and other valuable consideration, hereby grant the right and option to Howard County to acquire the fee simple title to the beds of the streets and/or roads and floodplains, storm drainage facilities and open space where applicable, 3) the right to require dedication of waterway and drainage easements for the specific purpose of their construction, repair and maintenance, and 4) that no building or similar structure of any kind shall be erected on or over the said easements and rights-of-way.

Witness my/our hands this 2 day of **DECEMBER, 1987**  
*William Dulany Hill*  
 WITNESS

**SURVEYOR'S CERTIFICATE**

I HERBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY HARRIS TRUST CO. OF FLORIDA, TRUSTEES BY BYRON C. THOMSSON AND MILDRED M. THOMSSON UNDER INDENTURE DATED APRIL 11, 1984, TO WILLIAM DULANY HILL AND FREDRIKA STUBBS HILL, HIS WIFE, BY DEED DATED OCTOBER 30, 1984 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 7297 AT FOLIO 299 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.  
*William S. Hartel* 11-19-87  
 WILLIAM S. HARTEL  
 PROFESSIONAL LAND SURVEYOR  
 MD. NO. 7436

RECORDED AS PLAT ON AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.

*Sign of W. Dulany Hill Property*  
**W. DULANY HILL PROPERTY**  
**LOTS 1 & 2**

TAX MAP - 22  
 TAX MAP PARCEL NO. - 335  
 EX. ZONING - R  
 ELECTION DISTRICT - 3RD  
 HOWARD COUNTY, MARYLAND  
 SCALE - 1" = 100'  
 DATE - OCTOBER, 1987  
 O. P. & Z. FILE NOS. -

**boender associates**  
 inc.  
 consulting engineers  
 land surveyors  
 land planners

COURTHOUSE SQUARE  
 3565 ELLICOTT MILLS DRIVE  
 ELLICOTT CITY, MD. 21043  
 (301) 465-7777

# APPLICATION

PERCOLATION TESTING

A 39027

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

*fell out in duplicate*

DISTRICT 3

DATE ~~8/30/87~~ 4/3/87

*3/30/87 ok to proceed SA*

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 William Dulany and Fredericka Hill

ADDRESS 12180 Willowind Court, Ellicott City, MD 21043 PHONE (301) 531-3692

PROSPECTIVE BUYER Catherine Millis (Realtor)

ADDRESS 5570 Sterrett Place, 3 Lakefront North, Columbia, MD 21044 PHONE (301) 992-4674

PROPERTY LOCATION: Woodmark SUBDIVISION NEW LOT LOT NO. Parcel #335 B

ROAD AND DESCRIPTION Parcel next to 12180 Willowind Court, Ellicott City, MD 21043

*(12184 Willowind Court)*

TAX MAP 22 PARCEL # 168

SIZE OF LOT 3+ acres TYPE BLDG. \_\_\_\_\_

ADJ. PERMIT SIGNS  
AND RETURNED 8-26-99  
Serial # B1012 0753  
Single Family - 4 Ben  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

*[Signature]*  
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Standard Fund DATE 10/28/88

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

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

REASONS FOR REJECTION OR HOLDING 5-7-87 PERC SATISFACTORY - HOLD FOR PLAT. S. Abel

# THIS IS NOT A PERMIT

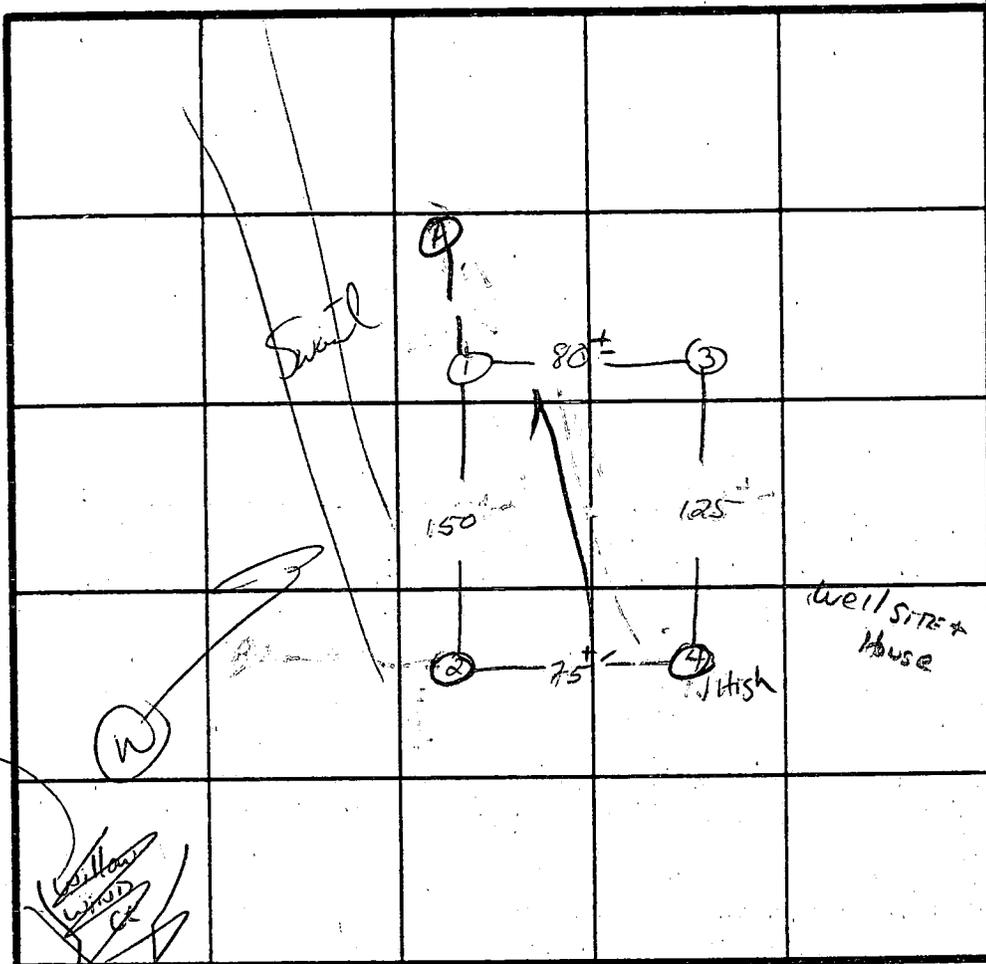
SOIL PROFILE

0" A1-3  
 6" Yellow BK Silty CLAY  
 10-15% Fe<sub>2</sub>O<sub>3</sub>  
 CLAY 12-15%

3-4" TAN/BK Silty LOAM  
 Highy MICACEOUS  
 15-20% Fe<sub>2</sub>O<sub>3</sub>

10.5" HARD BOTTOM #4

13"



$\bar{x}$  PERC 4min  
 180  $\phi$  1BR  
 INLET 3"  
 BOTTOM 5"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/7/87	1 V	4.5' 13'	1:23 UNIFORM	1:25 soil below 4"	1:25	1:29	4 min
	2 V	4' 13'	1:32 UNIFORM	1:33 soil below 3.5"	1:33	1:36	3 min
	3 V	13'	UNIFORM soil below				
	4 V	6.5' 4'	1:27 1:28	1:28 1:30	1:28 1:30	1:30 1:35	2 min 5 min
	4 V	10.5'	UNIFORM soil below 3.5'		HARD BOTTOM		
	A	WATER AT 7'					

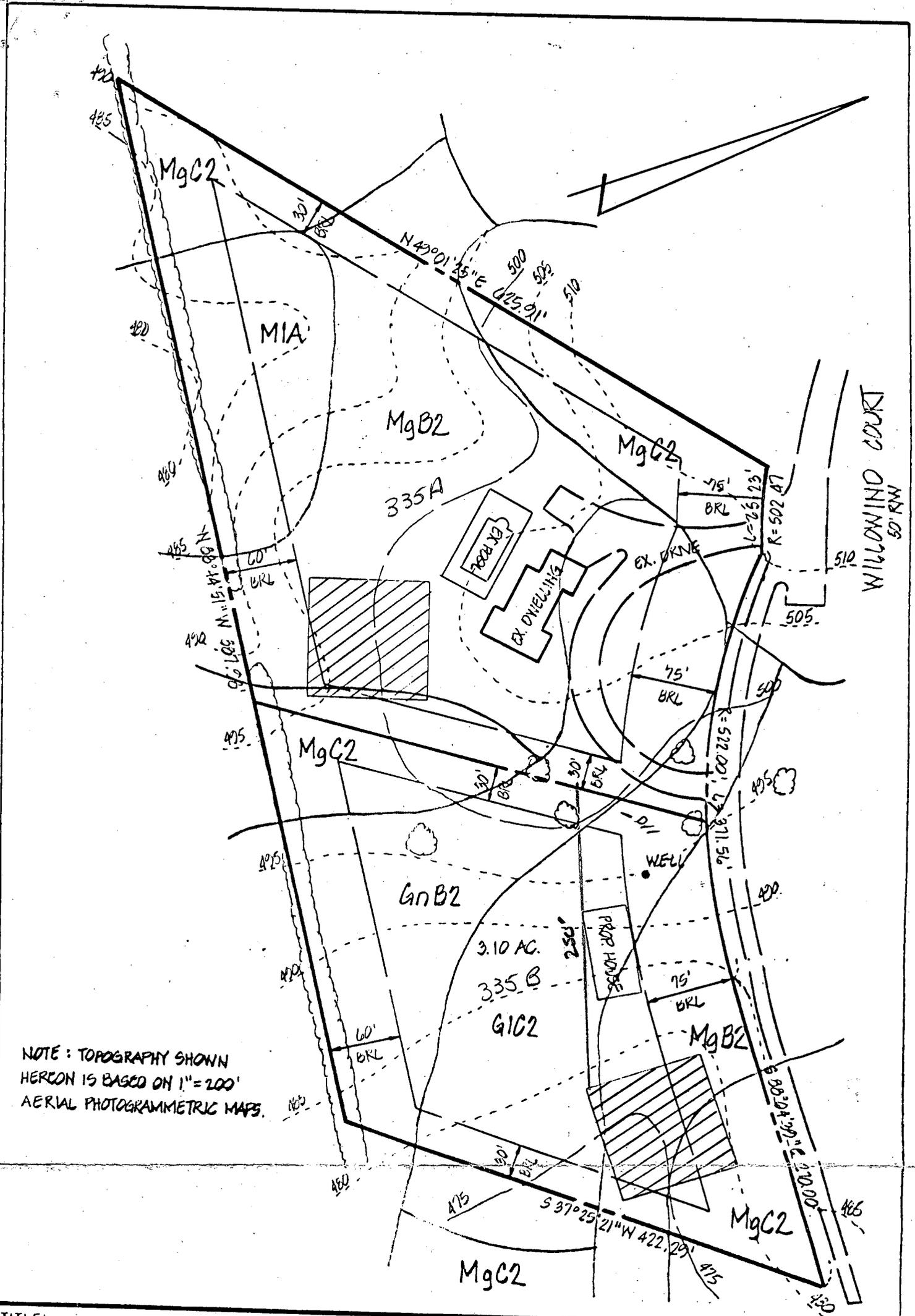
REMARKS: Holes Diff. than flat - Shallow Syst only

TYPE OF SOIL: Glenelg

TESTED BY: S. Abul

ALSO PRESENT: K. Allen, J. Froelich

EH-12-1079

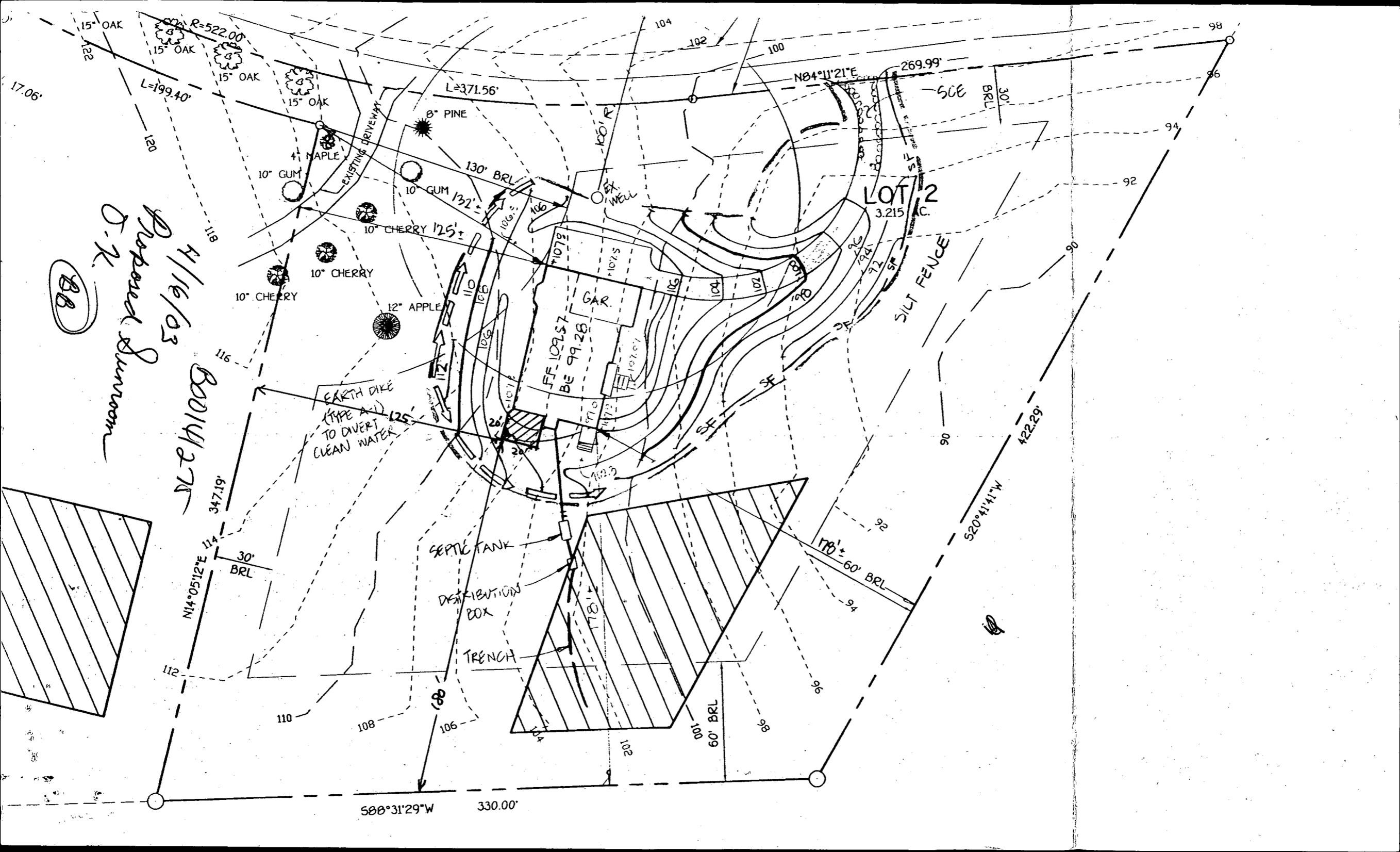


NOTE: TOPOGRAPHY SHOWN  
HEREON IS BASED ON 1"=200'  
AERIAL PHOTOGRAMMETRIC MAPS.

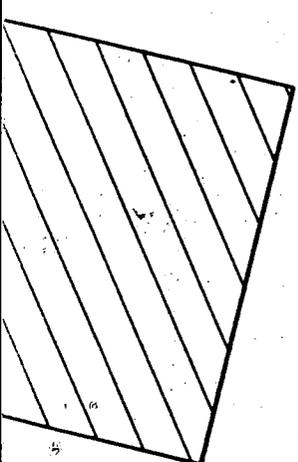
TITLE: PERCOLATION TEST FLAT				
PROJECT: W. DULANY PROPERTY				
LOCATION: PARCEL: 335 3 RD ELECTION DISTRICT TAX MAP: 22 HOWARD CO., MD.				
SCALE: 1"=100'	DESIGNED BY:	DRAWN BY: DP	CHECKED BY: DK	DATE: MARCH, 1987
FIELD BOOK:	PAGE NO.:	JOB NO.: 8746	DRAWING NO.: 1 OF 1	

**boender associates**  
inc.  
consulting engineers  
land surveyors  
land planners

COURTHOUSE SQUARE  
3565 ELLICOTT MILLS DRIVE  
ELLICOTT CITY, MD. 21043  
[301] 465-7777



BB  
Proposed Sunroom  
D.K.  
H/16/03  
B0014278



B0014338

7/23/03 JAB

Construction of c/d  
w/ not in total of ~~the~~  
system design, see  
construction drawing.

