

PERMIT

4-15-98 10:00
4-16 12:00

P 59939

SEWAGE DISPOSAL SYSTEM

A 59030-B

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 5th

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 410-313-2640

PARCEL A IS A59030A
#368421

DATE 4-14-98

DATE SYSTEM APPROVED 4/16/98

INDEXED

INSPECTOR AN

Olen Ketterman IS PERMITTED TO INSTALL X ALTER

ADDRESS 14960 Route 144, Woodbine, Maryland 21797 PHONE 410-442-1336

SUBDIVISION Rosenberg Property LOT 1 & 2 ROAD 12390 Hall Shop Road

PROPERTY OWNER James H. Selfridge Builders

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS
TOP SEAMED TANK

NOTE: LOCATION AND ABANDONMENT OF EXISTING
SEPTIC SYSTEM REQUIRED FOR FINAL APPROVAL.

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 200 feet off the 256.09 lot line and 70 feet off the 240.65' lot line. Run trenches along contour towards the 742.88' 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 BY 4/14/98*

PLANS APPROVED BY Glen Savage DATE 2/24/98

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)

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

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

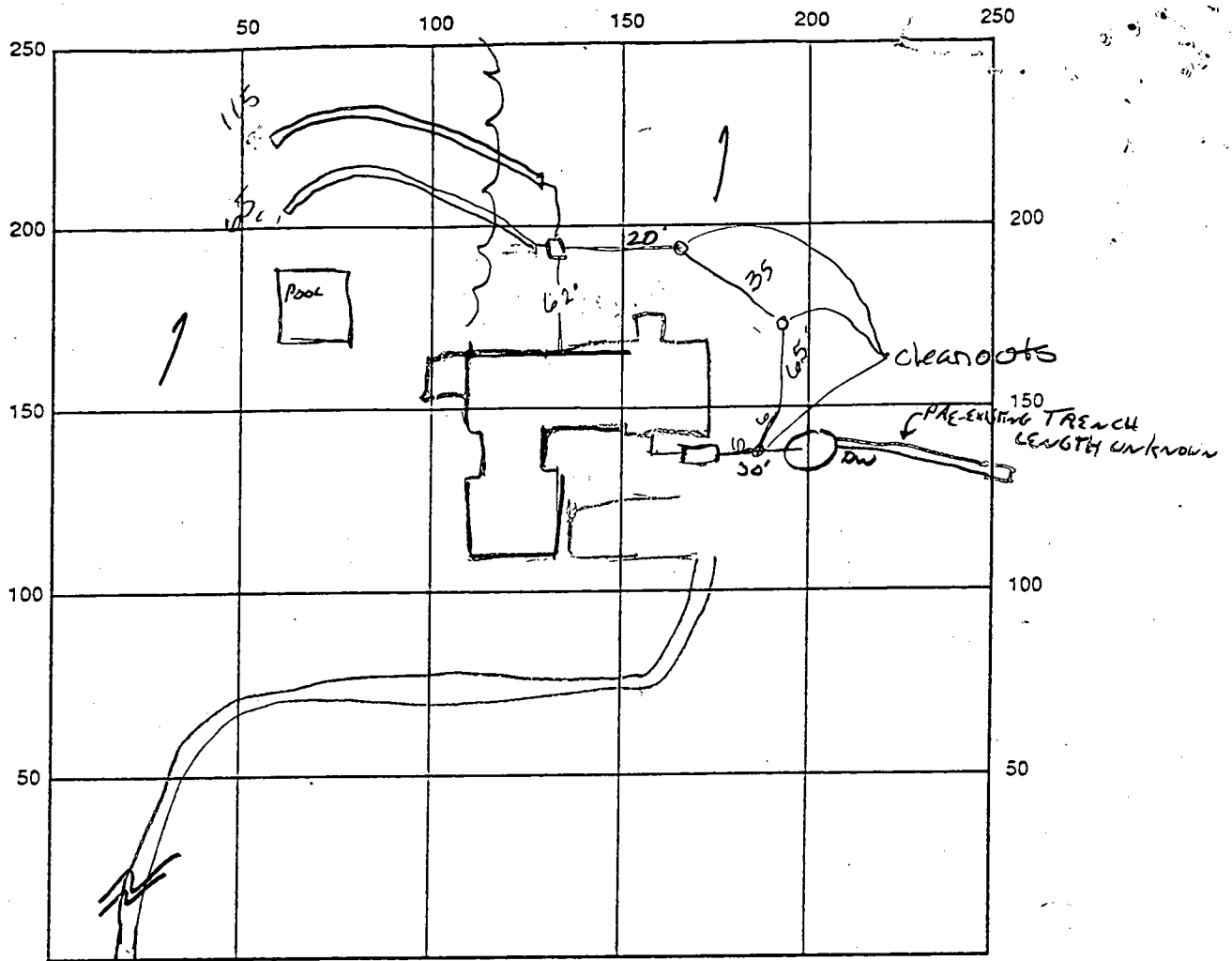
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A 59030-B



HALL SHOW

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK - MODERN CONST CLEANOUTS 3 cleanouts
 DISTRIBUTION BOX LEVEL OK baffle 15 in
 DRAIN FIELD/TITLE DEPTH 5.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.0 FT.
 EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 180 FT. $\frac{7180}{540}$
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 540 SQ. FT. $\frac{7180}{540}$
 DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 3.0 FT.
 ABSORBENT AREA — SQ. FT.

REMARKS: 4/14/98 12' DIA DRYWELL LOCATED + ABANDONED, 3000 GAL PUMPED OUT OF SYSTEM, OK
TO CONTINUE W/SEWER INSTALLATION. STONE FILLED TRENCH OFF DRYWELL UNUSED.
4/16/98 OK TO COVER ALL WORK FINAL AW
The following note was added to the permit card:
The existing septic system that was abandoned does not affect or
damage the approved septic permit on Parcel 'A'
 DATE SYSTEM APPROVED 4/16/98 INSPECTOR A M. McQueen

INFO FOR PARCELA FILE

PERMIT

4-15-98 10:00
4-16 12:00

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59939

A 59030-B

DISTRICT 5th

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 410-313-2640

EXISTING ORIGINAL HOUSE ADDRESS NOT VERIFIED 12404 MAY BE UNRELATED P 34689

DATE 4-14-98

DATE SYSTEM APPROVED 4/16/98

INSPECTOR AM

Olen Ketterman

IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144, Woodbine, Maryland 21797

PHONE 410-442-1336

SUBDIVISION Rosenberg Property LOT 1 & 2

ROAD 12404 12390 Hall Shop Road PARCEL B

PROPERTY OWNER James H. Selfridge Builders

ADDRESS _____

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TOP SEAMED TANK

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180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

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NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 4/14/98

PLANS APPROVED BY Glen Savage

DATE 2/24/98

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

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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

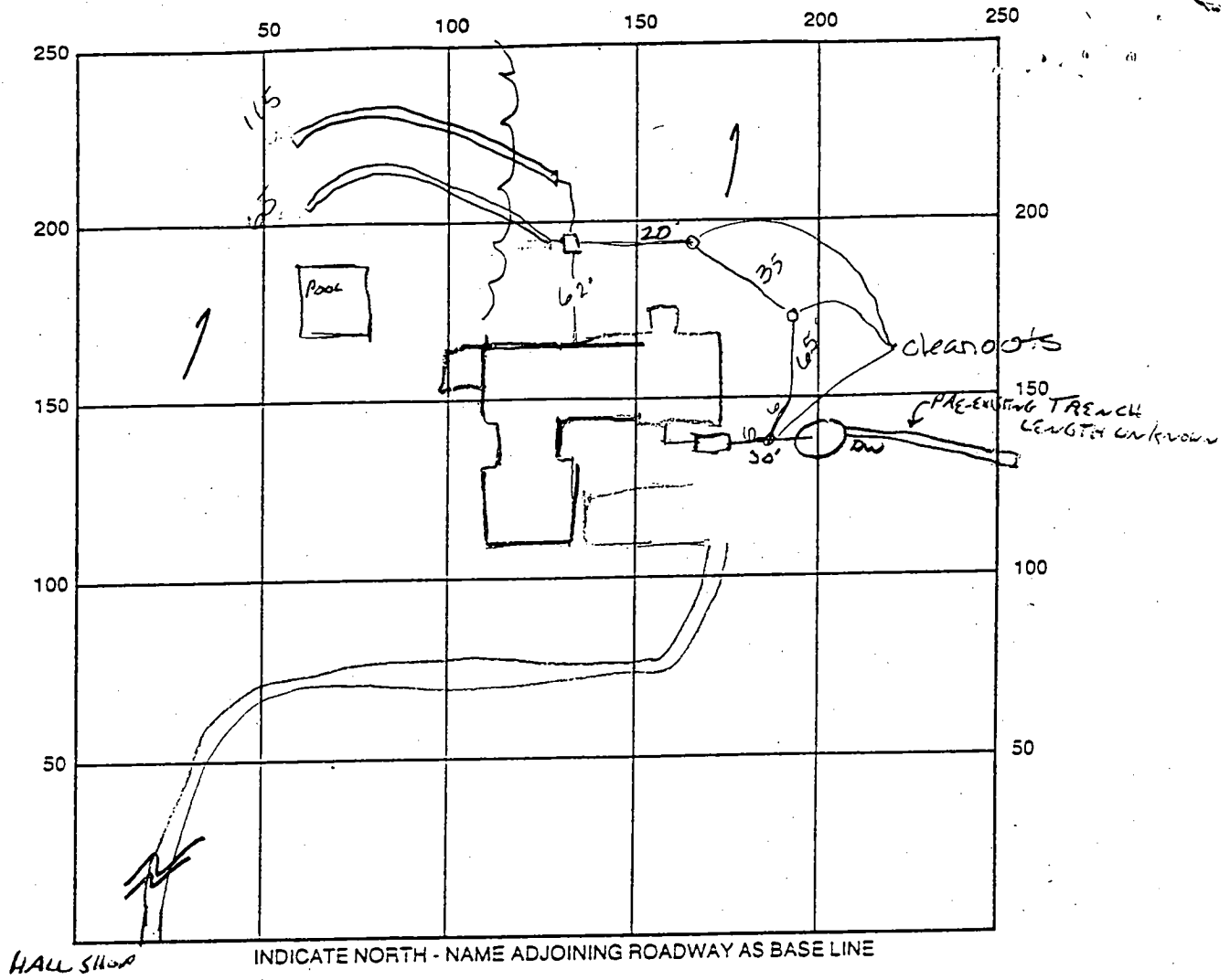
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PERMIT VOID AFTER TWO YEARS

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NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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



SEPTIC TANK LEVEL OK - MODERN CONST CLEANOUTS 3 cleanouts

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 5.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 540 SQ. FT. $\frac{180}{3} = 60$

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 3.0 FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 4/14/98 12' DIA DRYWELL LOCATED + ABANDONED, 3000 GAL PUMPED OUT OF ST+ DW, ok
TO CONTINUE W/ SEPTIC INSTALLATION. STONE FILLED TRENCH OFF DRYWELL UNUSED.

4/16/98 OK to cover all work final AW

The following note was added to the permit card:
The existing septic system that was abandoned does not affect or
damage the approved septic permit on Parcel 'A'

DATE SYSTEM APPROVED 4/16/98 INSPECTOR A M. Miller

Total linear feet of trench
required 180 feet

Width of trench(es) 3 feet

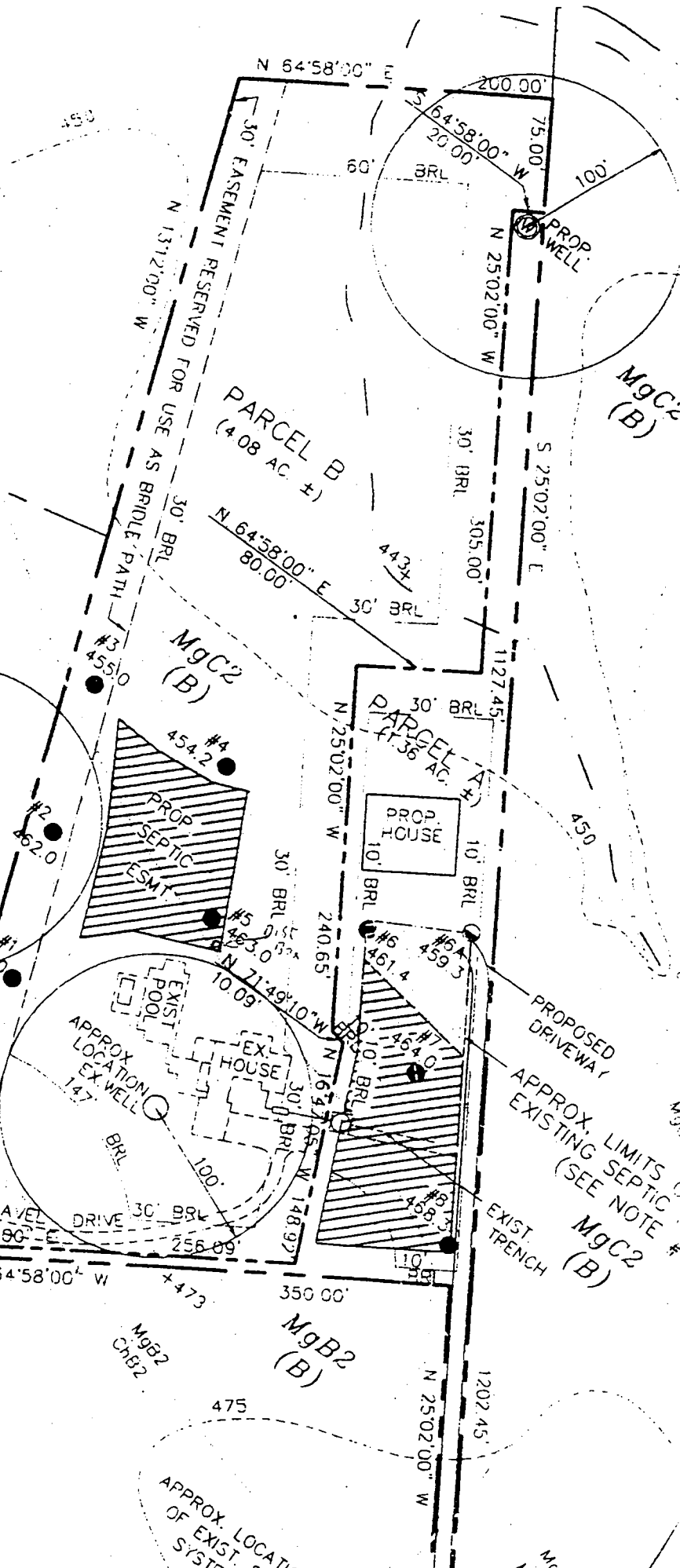
Depth of trench(es) 5 feet

Depth of stone required below
distribution pipe 2

Approved Septic System Plan Howard County Health Department

[Signature]
Signature

4-14-98
Date



PARCEL B
12404 HALL ST RD

90'

PROPERTY LINE

LOCATION OF SEPTIC TANK SUBJECT TO SOIL TESTS AND CODE REQUIREMENTS.

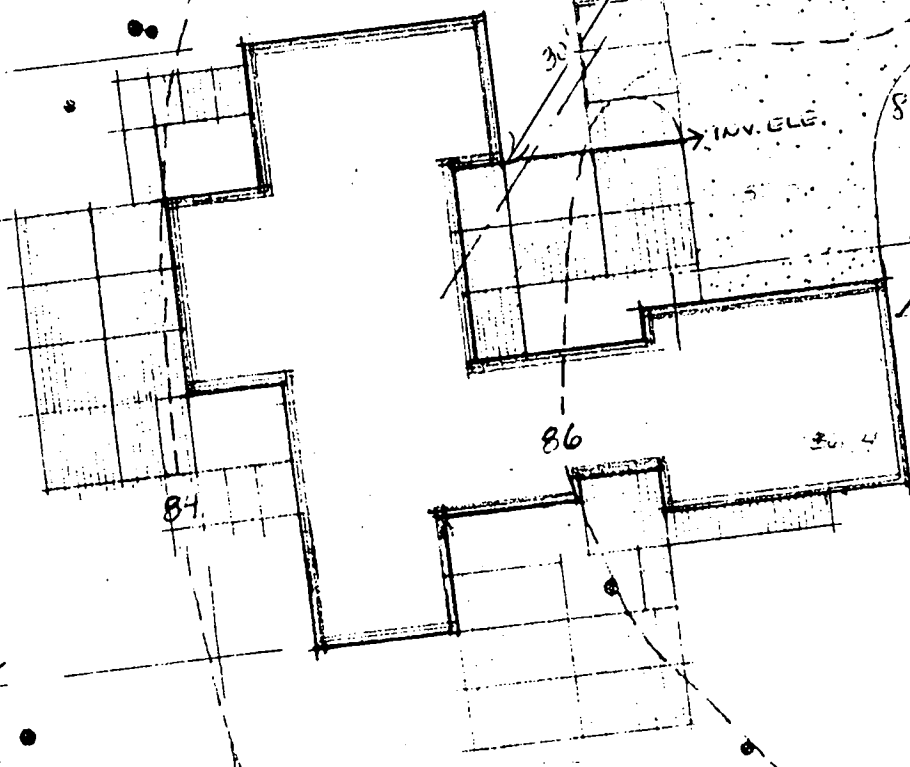


TERRACE PAVING NOT IN THIS CONTRACT



88.0

South 64'-59" W



EXIST. ELE. 85.0

INV. ELE. 83.0

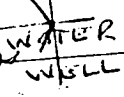
84.0

65'

UTILITIES

12'

72'-0"



85'

105'

GRAVEL DRIVE ON COMPACTED CRUSHED STONE BASE

B 1	9431	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL W516000 please print or type	STATE PERMIT NUMBER HO-94-3228 <small>fill in this form completely</small>
-----	-------------	--------------------------------	--	---

Date Received (APA) **8/23/2001**
8 MM DD YY 13

OWNER INFORMATION 740-8880

15 Last Name **Lancelotta** Owner **Sam** First Name 34

36 Street or RFD **5044 Dorsey Hall Drive** 55

57 Town **Ellicott City** 70 State **MD** 72 Zip **21042** 76

B 3 LOCATION OF WELL

8 COUNTY **Howard** 21

23 SUBDIVISION _____ 42

SECTION _____ LOT **Parcel A**

44 46 48 50

52 NEAREST TOWN **Highland** 71

MILES FROM TOWN (enter 0 if in town) 1 M | I |
73 76 77 78

DRILLER INFORMATION

Driller's Name **Paul M Fabiszak MWD 399** 76 License No. 81

Firm Name **G Edgar Harr Sons Corp**

Address **12047 Falls Rd Rockville 21038**

Signature **Paul M Fabiszak** Date **8-20-01**

B 4

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

11 NEAR WHAT ROAD **Hall Shop Road** 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 **500** 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: **40** BLK: **6** PARCEL **513**

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22 INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME **(13) A59030A** COUNTY NO.

STATE SIGNATURE _____ INSERT S → 41

DATE ISSUED **8/31/2001 Brian Baker 8/31/2002**

43 MM DD YY 48 CO SIGNATURE EXP DATE

NORTH GRID **490 0 0 0** EAST GRID **816 0 0 0**
50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

37 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

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____ G _____

PERMIT No **HO-94-3228**
70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

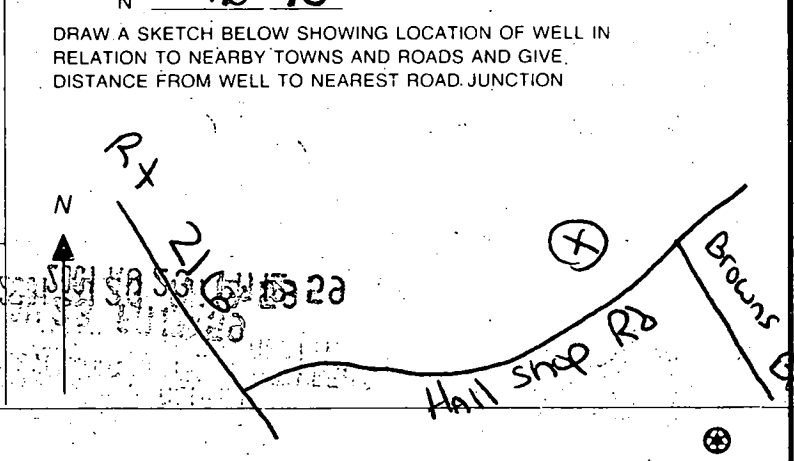
- Well**
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8106

N 48090

000
000



SPECIAL CONDITIONS

NO. 1 APPROVING AUTHORITY'S SHOULD USE SEPARATE SHEET IF NEEDED

C1 0692 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

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 13 A59030A

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 09 11 2001

Depth of Well 22 355 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3228

OWNER Lancelotto Sam APPROVED WITH MISTAKE ON YIELD 10/18/01 HIGHLAND SHEET CALLED DRILLER

WELL LOG Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes entries for Overburden Granite and water at 85' & 280'.

GROUTING RECORD Form: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS (12), NO. OF POUNDS (1200), GALLONS OF WATER (72), DEPTH OF GROUT SEAL (0 to 50 ft).

CASING RECORD Form: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (PL), Nominal diameter top (main) casing (6), Total depth of main casing (62).

OTHER CASING (if used) Form: diameter, depth (feet) from to.

SCREEN RECORD Form: screen type or open hole (HO), insert appropriate code below (ST, BR, PL, HO, OT).

WELL HYDROFRACTURED Form: YES (Y), NO (N).

CIRCLE APPROPRIATE LETTER Form: A (well abandoned), E (electric log), P (test well converted).

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. MWD 399, DRILLERS SIGNATURE (Wann Powell), LIC. NO. MWD 241.

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

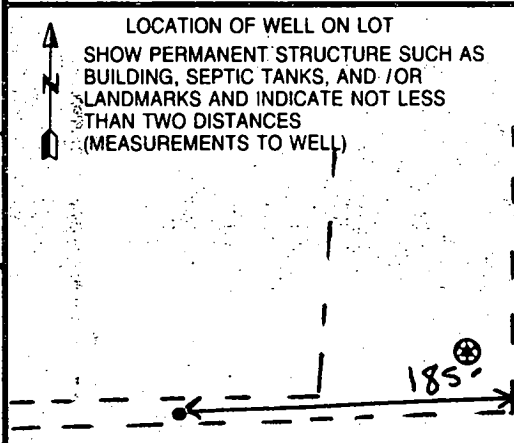
DEPTH (nearest ft.) Table with columns: T, E, A, C, H, S, C, R, E, N. Includes handwritten values for HO, 62, 355.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

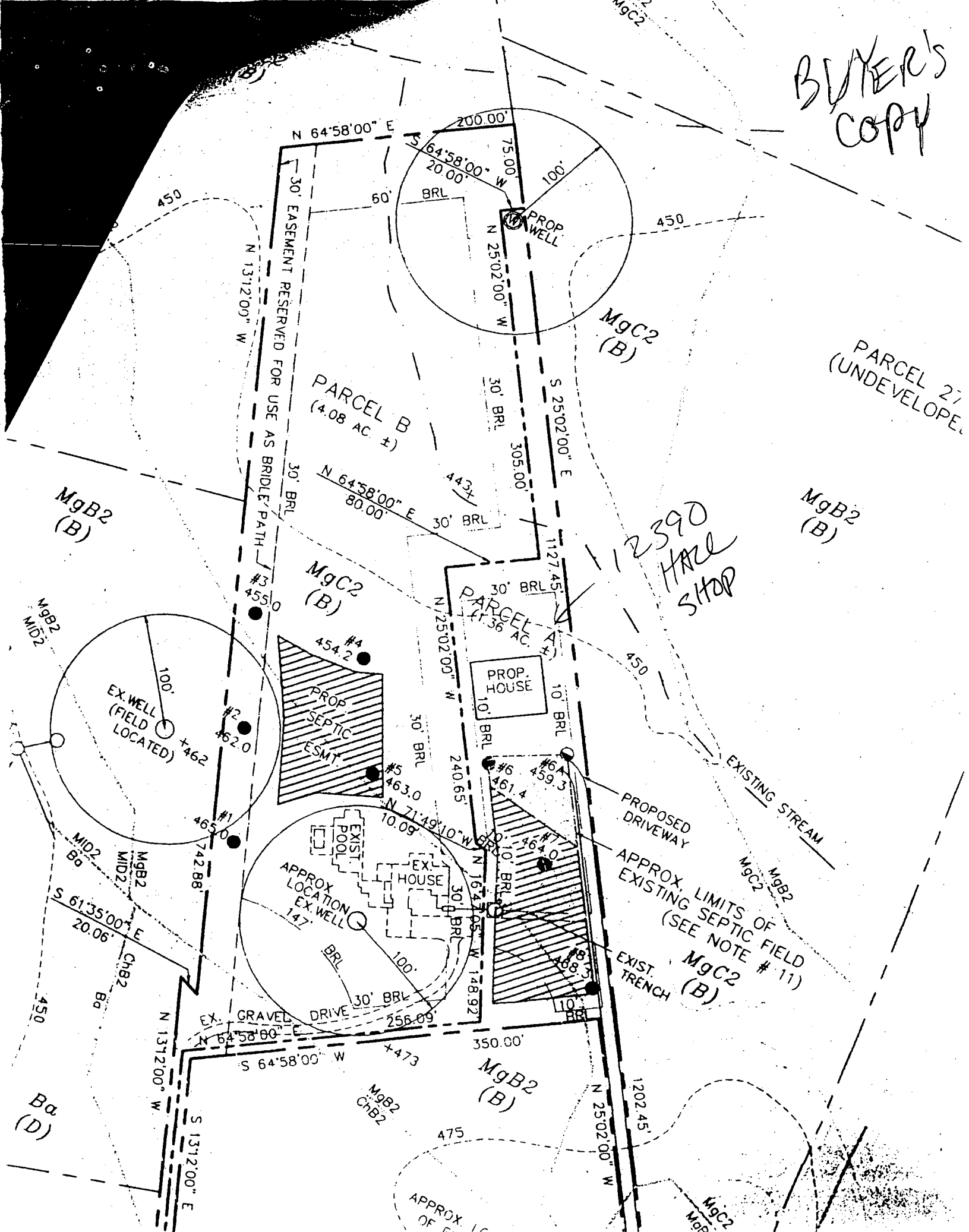
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) Form: T, (E.R.O.S.), W Q, 70, 72, 74, 75, 76, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST Form: HOURS PUMPED (3), PUMPING RATE (4.1), METHOD USED TO MEASURE PUMPING RATE (Submersible), WATER LEVEL (distance from land surface) BEFORE PUMPING (26 ft), WHEN PUMPING (318 ft), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED Form: DRILLER INSTALLED PUMP (NO), IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31), PUMP HORSE POWER (37), PUMP COLUMN LENGTH (43), CASING HEIGHT (49 above).



BUYER'S COPY



M9B2 (B)

PARCEL B
(4.08 AC ±)

M9C2 (B)

PARCEL 27
(UNDEVELOPED)

M9B2 (B)

M9C2 (B)

PARCEL A
(1.36 AC ±)

PROPOSED DRIVEWAY

APPROX. LIMITS OF EXISTING SEPTIC FIELD
(SEE NOTE # 11)

M9C2 (B)

M9B2 (B)

Ba (D)

APPROX. LIMITS OF EXISTING SEPTIC FIELD

M9C2 (B)

APPLICATION

PERCOLATION TESTING

59030A

A ~~5900~~

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE 10/21/97

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER JACK ROSENBERG
ADDRESS SUITE 320, 10480 LITTLE PATUXENT PKWY. COLUMBIA, MD. 21044 PHONE 410-964-5500

AGENT OR PROSPECTIVE BUYER MILDENBERG, BOENDER & ASSOC., INC.
ADDRESS SUITE 202, 5072 DORSEY HALL DRIVE ELLICOTT CITY, MD 21042 PHONE 410-997-0296

PROPERTY LOCATION:
SUBDIVISION ROSENBERG PROPERTY LOT NO. 2 PARCEL A
ROAD AND DESCRIPTION 12404 HALL SHOP ROAD (APPROX. 0.5 MI. EAST OF THE INT. WITH RTE. 216, SCAGGSVILLE RD.; & OPPOSITE BROWNS BRIDGE RD.)

TAX MAP 40 PARCEL # 285
SIZE OF LOT 4.03 AC. TYPE BLDG. SINGLE FAMILY DWELLING
(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. Richard L. Mantoch
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

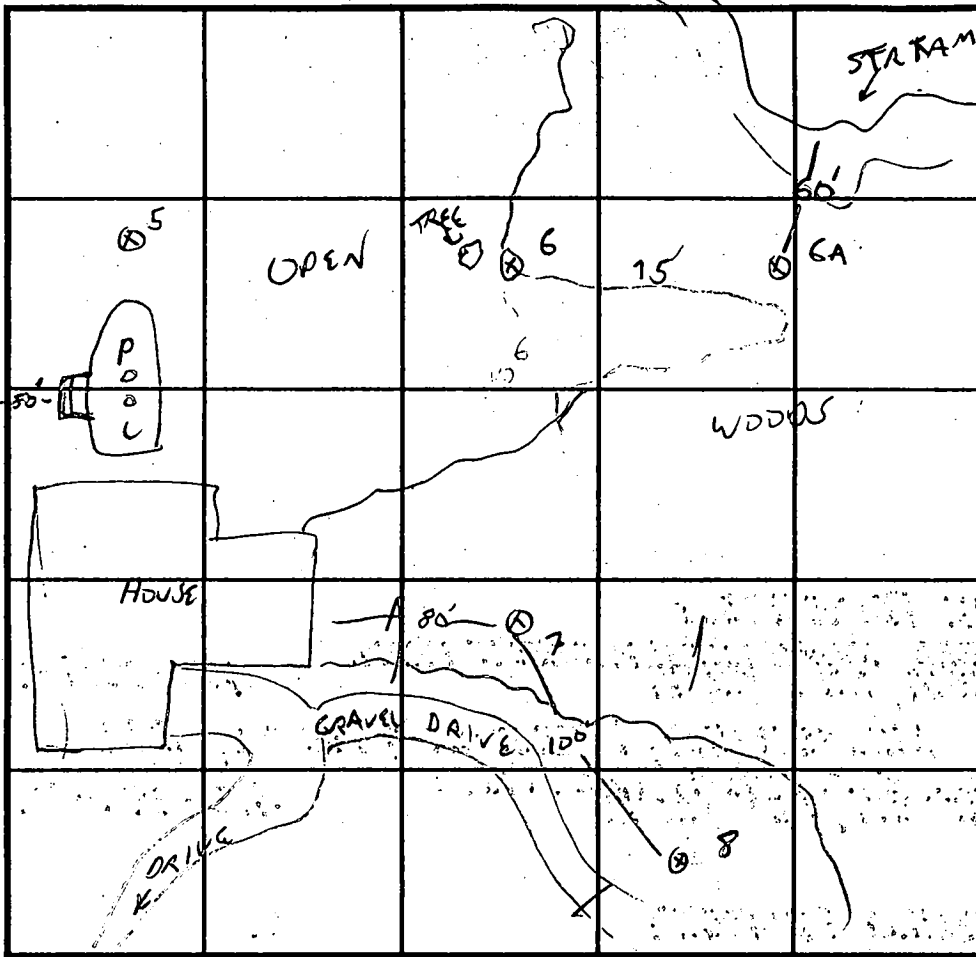
A59030A
COUNTY #

SOIL PROFILE

BR
CL
3'
TAN
LSIS
MICA COSS

SOIL PROFILE

COFFEE
Brown
CL
MIXED
MGO Brown
LSIS
50g
MICA
FLAKES
61mm



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

ORANGE
CL
MICA
5
LIGHT
Brown
MICA
86 w/
WHITE
BANDING
SOFT SANDSTONE
W/IRON
ISOLATION
H2O EVIDENCE
AT 12

GA
LIGHT
Brown
CL
2.5'
GREY
CLAY
5.5'
DARK
CHOCOLATE
SSIL
WHITE ROCKS
BANDING W
IRON ISOLATION
DAND
25.5'
WATER

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/17/91	7	5/10.5	11:05	1:10		11:09	2 MIN
	6	12V					OK
	GA	11V			H2O		FAIL
	8	12V					
	1	12V	nice powdery loam 5-12'				OK

REMARKS NOTE STREAM! WATER AND WATER TABLE INDICATORS
 TYPE OF SOIL _____
 TESTED BY G. SAVAGE ALSO PRESENT 1/4" EXCAVATING
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4 MIN TRENCH WIDTH 3
 INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 180

5

12

2.5

5.5

10

10.5



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

October 21, 1997

Mr. Jack Rosenberg
10480 Little Patuxent Parkway, Suite 320
Columbia, Maryland 21044

RE: Percolation Test Results Application No.59030
Proposed Use: Subdivision
Property ID: Hall Shop Road-Tax Map: 40 Parcel: 285

Dear Mr. Rosenberg:

Percolation testing conducted October 17, 1997 on the above referenced property indicated limited satisfactory soil conditions. Limiting site conditions include water on Lot #1, and water table indicators encountered in both areas tested. Copies of the percolation test results are enclosed.

Due to water table indications, the current proposal will require wet season testing. Relocation of the low portion of the proposed septic easements to a higher landscape position matched to contour may eliminate the need for additional testing. Future site plan revisions should show the stream location on Parcel: 274. The portion of the septic easement proposed for Lot 1 should maintain a minimum separation of 100 feet from the stream.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and suitable house and well sites. The plat should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100 feet of property boundaries have been shown.

Because the exact location of the well and septic serving the existing structure is not known, please add the following note to the percolation certification plan:

- There are existing structures on the property, and the location of the well(s) and septic(s) serving these structures is partially, but not completely known. Therefore, prior to the Health Officer's signature of final plat, any and all means necessary to locate, assess, and remedy any well and septic conflict will be undertaken.

Mr. Jack Rosenberg
(Continued)

- 2 -

October 27, 1997

This plan should be submitted within (60) days to allow field verification if necessary.

If you have any questions regarding this matter, please contact me at the below address or by calling 410-313-2640.

Very truly yours,



Glen Savage, R.S.
Water and Sewerage Program

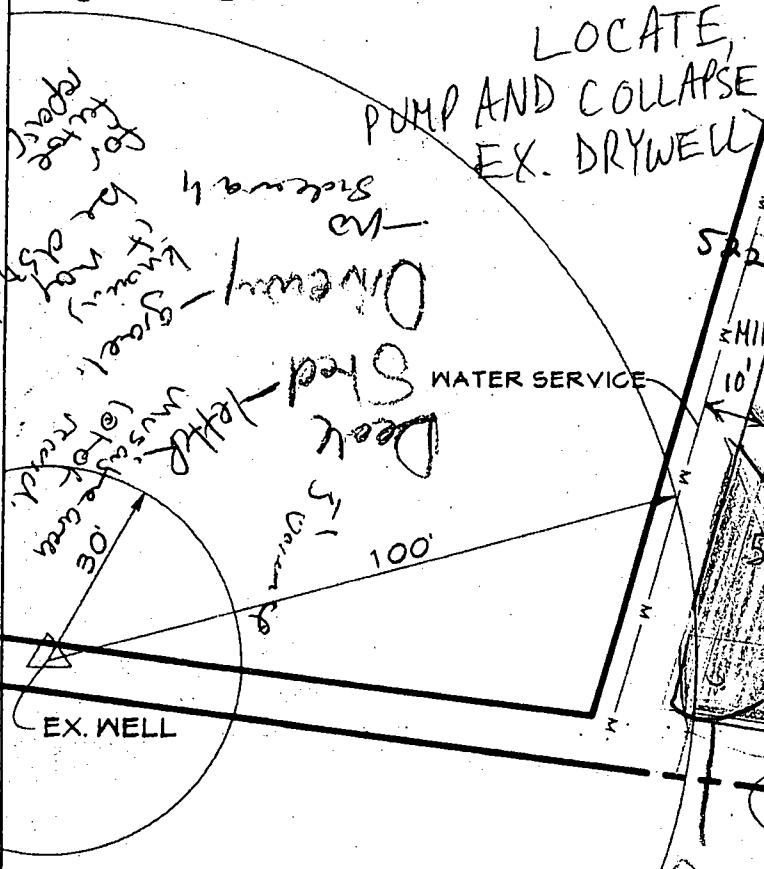
GS:jr

Enclosures

cc: Mildenberg/Boender & associates
File

Approved Septic System Plan
Howard County Health Department

Mark Ruffin 4/22/04
Signature Date



SEPTIC SYSTEM NOTES

1. PROPOSED 1500 GALLON SEPTIC TANK.
2. A. FIRST FLOOR ELEVATION: 502.00
B. BASEMENT ELEVATION: 492.00
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 490.50
D. INVERT AT SEPTIC TANK: 487.50
E. INVERT OUT AT SEPTIC TANK: 487.10
F. PROPOSED GRADE OVER SEPTIC TANK: 490.50
G. INVERT AT DISTRIBUTION BOX: 497.80
H. EXISTING GROUND OVER DISTRIBUTION BOX: 499.80
4. SEE SEPTIC AREA FOR LENGTH OF TRENCHES
5. CONTRACTOR/BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
INVERT IN @ PUMP CHAMBER-486.8
PROPOSED GRADE OVER PUMP CHAMBER-491.0

PLOT PLAN
PROPERTY OF
DANIEL J. ESPENSHADE

5th ELECTION DISTRICT HOWARD COUNTY, MD.
DEED REF. 5712/449

EXISTING GRADES SHOULD BE FIELD VERIFIED WHEN HOUSE STAKEOUT IS DONE.

DATE	REVISIONS	
9-26-03	REVISE UTILITY LINE LOCATION	CDD
3-05-04	REVISED HOUSE TYPE & LOCATION	CDD
4-06-04	REV. SEPTIC TANK LOCATION	CDD

CLSI

Carroll Land Services
Incorporated
Engineers * Surveyors * Land Development Consultants
Landscape Architects * Environmental Specialists
439 East Main Street Westminster, MD 21157-5339
(410) 876-2017 FAX (410) 876-0009

DRAWN BY:	CDD
DESIGN BY:	
REVIEW BY:	DEM
DATE:	12-2-02
SCALE:	1"=30'
JOB NO:	2002203
SHEET:	2 OF 2



Howard County
Health Department

7178 Columbia Gateway Drive, Columbia, MD 21046

(410) 313-2640 Fax (410) 313-2648

TDD (410) 313-2323 Toll Free 1-866-313-6300

website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

April 13, 2005

Mr. Dan Espenshade
12390 Hall Shop Rd.
Fulton Maryland 21059

RE: Building Permits for shed, and deck.

Dear Mr. Espenshade:

In order to for an approved building permit for a shed located on the sewage disposal easement, a letter To my supervisor will be needed. Please state in the letter that the area you wish to construct your shed on has been declared unusable area for septic drainage fields.

Please also note in this letter that you are aware that when septic repairs are needed in the future that your proposed gravel driveway turnaround may be disrupted.

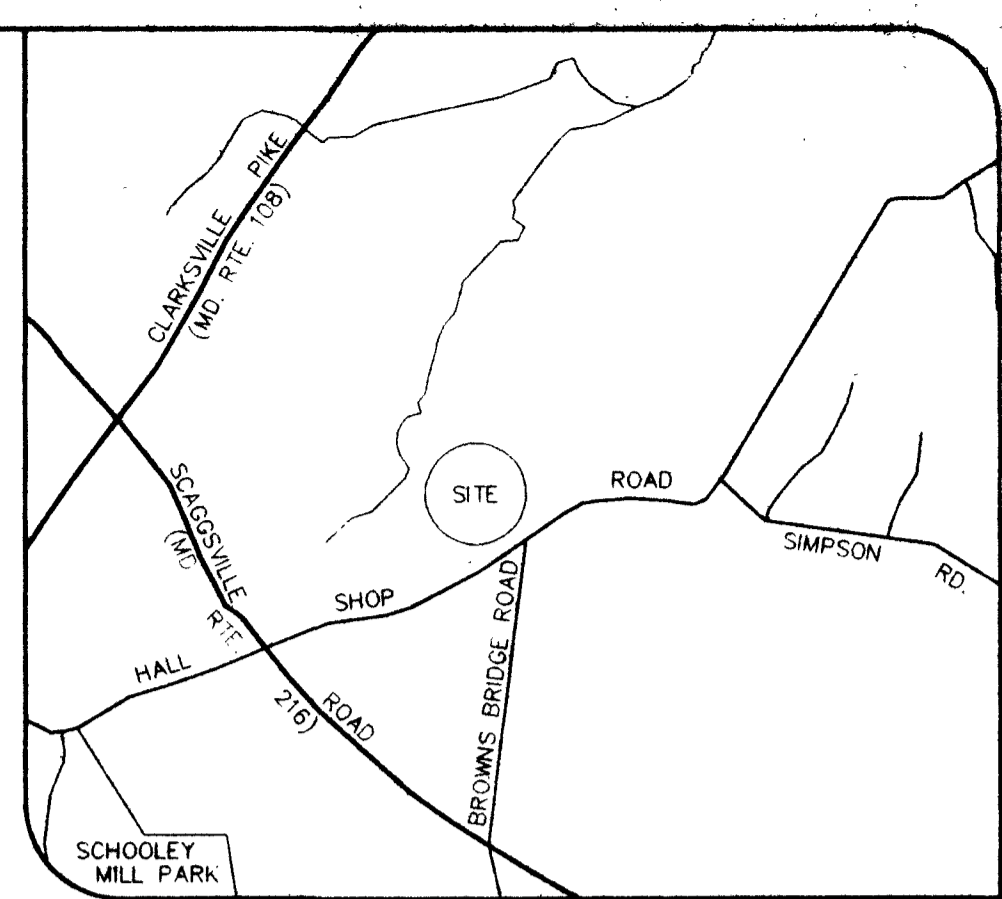
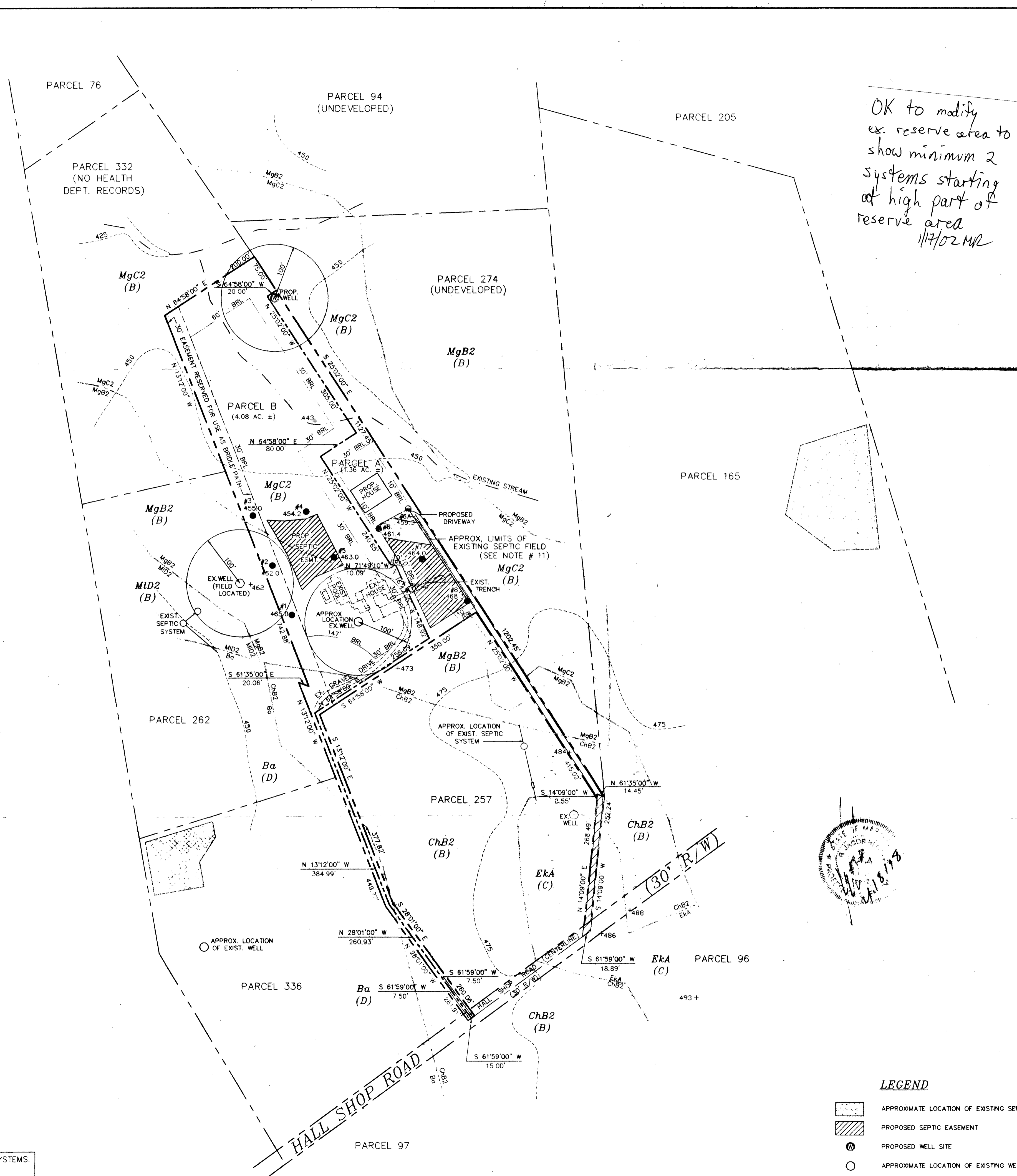
Finally, in order for an approvable building permit for the deck in the rear of the property you must also request a variance that will allow you to build within five feet of you septic tank.

Please accompany this letter with a scale drawing, with actual septic tank and well locations to The Howard County Health Department, attention: John Boris: 7178 Columbia Gateway drive, Columbia MD 21046.

Respectfully,

Peter A. Yencsik
Development Coordination Section
Well and Septic Program

Py
CC: File



VICINITY MAP
SCALE: 1" = 200'

GENERAL NOTES:

1. SITE DATA:
TAX MAP 40 - BLOCK 6 - PARCEL 285
DEED REFERENCE: L 2779, F. 0144
GROSS AREA: 5.44 ACRES ±
ZONING: RR-DEO (ZONING MAP DATED SEPTEMBER 18, 1992)
2. TOPOGRAPHIC DATA BASED ON HOWARD COUNTY'S 200 SCALE MAPS. BOUNDARY BASED ON DEED DESCRIPTION.
3. BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON-SITE.
4. SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED JULY 1968, SHEET 28.
5. PRIVATE WATER AND PRIVATE SEWERAGE WILL BE UTILIZED.
6. PROPOSED SEPTIC EASEMENT TO BE USED FOR EXISTING HOUSE ON PROPOSED PARCEL B.
7. THE WELL FOR PROPOSED PARCEL A WILL BE DRILLED PRIOR TO RECORDATION OF PLAT.
8. TO THE BEST OF OUR KNOWLEDGE ALL EXISTING WELLS AND SEPTIC EASEMENTS WITHIN 200' OF THE PROPERTY LINE HAVE BEEN SHOWN. PARCELS 94 AND 274 ARE UNDEVELOPED. INFORMATION ON PARCEL 332 WAS NOT AVAILABLE IN HEALTH DEPARTMENT RECORDS.
9. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT 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 SEWERAGE EASEMENT, RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
10. THERE ARE EXISTING STRUCTURES ON THE PROPERTY, AND THE LOCATION OF THE WELL(S) AND SEPTIC(S) SERVING THESE STRUCTURES IS PARTIALLY, BUT NOT COMPLETELY KNOWN. THEREFORE, ABANDONMENT AND REPLACEMENT OF THE SEPTIC SYSTEM SERVING THE EXISTING HOUSE WILL BE COMPLETED PRIOR TO THE HEALTH OFFICER'S APPROVAL FOR A BUILDING PERMIT OR FINAL PLAT. ANY AND ALL MEANS NECESSARY TO LOCATE, ASSESS, AND REMEDY ANY WELL AND SEPTIC CONFLICT WILL BE UNDERTAKEN. SHOULD ABANDONMENT OF THE EXISTING SEPTIC DISTURB ENOUGH GROUND AS TO LIMIT THE INSTALLATION OF INITIAL AND TWO (2) REPAIR SEPTIC SYSTEMS FOR PARCEL A, APPROVAL OF ANY SUBSEQUENT PERMITS MAY NOT BE GRANTED BY THE HEALTH DEPARTMENT.
11. NO GRADING IS TO TAKE PLACE WITHIN THE SEPTIC EASEMENTS. ANY DEVIATION REQUIRES HEALTH DEPARTMENT APPROVAL.

THE EXISTING SEPTIC SYSTEM THAT WAS ABANDONED DOES NOT AFFECT OR DAMAGE THE PROPOSED SEPTIC EASEMENT ON PARCEL A. 4/17/98

SOILS DESCRIPTION

SYMBOL	DESCRIPTION
Ba	BAILE SILT LOAM -- TYPE D
ChB2	CHESTER SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED -- TYPE B
Eka	ELIQUAK SILT LOAM, 0% TO 3% SLOPES -- TYPE C
MgB2	MANOR GRAVELLY LOAM, 3% TO 8% SLOPES, MODERATELY ERODED -- TYPE B
MgC2	MANOR GRAVELLY LOAM, 8% TO 15% SLOPES, MODERATELY ERODED -- TYPE B
MID2	MANOR LOAM, 15% TO 25% SLOPES, MODERATELY ERODED -- TYPE B

LEGEND

- APPROXIMATE LOCATION OF EXISTING SEPTIC EASEMENT
- PROPOSED SEPTIC EASEMENT
- PROPOSED WELL SITE
- APPROXIMATE LOCATION OF EXISTING WELL SITE
- PASSED PERC TEST HOLE
- FAILED PERC TEST HOLE

SIGNED
PERC CERT
OWNER
JOEL A. ROSENBERG
SUITE 320
10480 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

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

Joel A. Rosenberg
HOWARD COUNTY HEALTH OFFICER
DATE: 2-19-98

PROJECT	DATE	DATE	DATE	DATE
97074	FEB. 1998	FEB. 1998	FEB. 1998	FEB. 1998
ILLUSTRATION	ENGINEERING	ILLUSTRATION	ENGINEERING	ILLUSTRATION
RLM	RJH	RLM	RJH	RLM
SCALE	SCALE	SCALE	SCALE	SCALE
1" = 100'	1" = 100'	1" = 100'	1" = 100'	1" = 100'

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SCALE	SCALE	SCALE	SCALE	SCALE
1" = 100'	1" = 100'	1" = 100'	1" = 100'	1" = 100'

ROSENBERG PROPERTY
PARCEL 285
TAX MAP 40 - BLOCK 6
FIFTH ELECTION DISTRICT
HOWARD COUNTY
PERC CERTIFICATION PLAT

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Fax (301) 621-5521 Wash. (410) 997-0298 Fax

8/8/74
8/9/74

PERMIT

8/7/74
R. Tom

P 20328
A 12038

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

INDEXED

ELLICOTT CITY

DISTRICT 5th

DATE 7/10/74

File

Gordon F. Walker

IS PERMITTED TO INSTALL ALTER

ADDRESS Hall's Shop Road, Fulton, Maryland 20759 PHONE 286-2306

A SEWAGE DISPOSAL SYSTEM LOCATED AT

SUBDIVISION ROAD ¹²⁴⁰⁴ Hall's Shop Road LOT B

PROPERTY OWNER Gerald Strine

ADDRESS

SPECIFICATIONS 3 bedrooms

DRAIN FIELD DEPTH FEET, BOTTOM AREA SQ. FT.

SEEPAGE PITS ABSORBENT SIDE-WALL AREA SQ. FT.

SEPTIC TANK CAPACITY 1000 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%.

OTHER DRY WELL - 12 feet in diameter by 8 feet deep below the inlet. Locate inlet pipe 3 ft. below original grade. Place the dry well 56 ft. from the front property line and 90 ft. off the right side property line as seen when facing the lot from the front property line. Front property line runs parallel to rear of Lot C.

NOTE: ALL PIPE FROM HOUSE TO DRY WELL MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

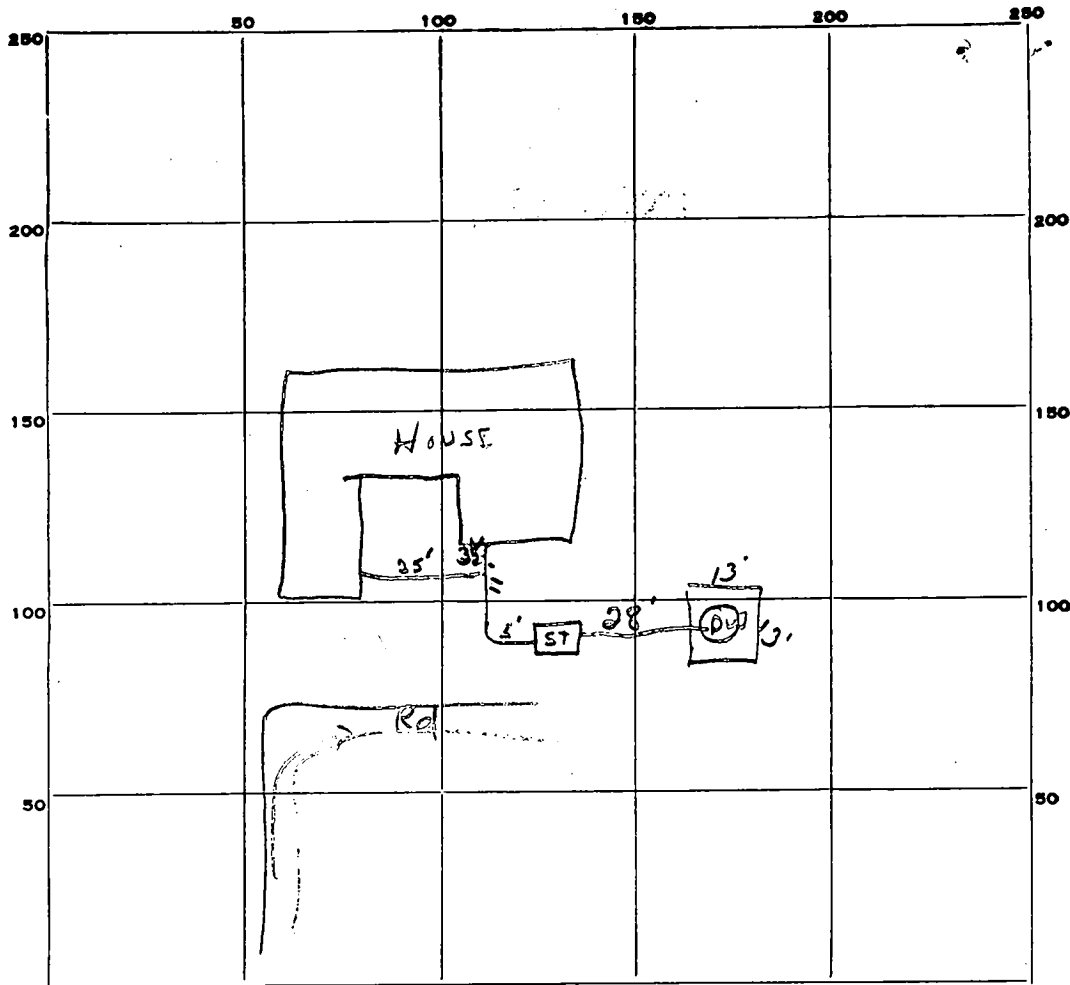
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL.

PLANS APPROVED BY James E. Hennigan DATE 7/26/66

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

A 12038



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD Signed

SEPTIC TANK, LEVEL 1000 CLEANOUTS OK

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH _____ FT. TRENCH WIDTH _____ FT.

GRAVEL DEPTH _____ IN. TOTAL LENGTH _____ FT.

NUMBER OF TRENCHES _____ TOTAL BOTTOM AREA _____

SEEPAGE PITS, ^{outside perimeter} INSIDE DIAMETER 13 x 13 FT. DEPTH BELOW INLET 9 FT.

ABSORBENT AREA 468 SQ. FT.

REMARKS _____

DATE SYSTEM APPROVED 8/7/74 INSPECTOR R. Tone

12/28/84
9:30 a.m. noon

Approved 12/28/84

Stayer
P 34689
A REPAIR

PERMIT

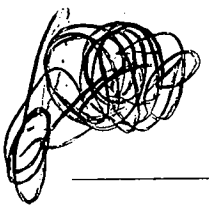
SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT 5th
DATE 12/20/84

INDEXED



Donald Parlette IS PERMITTED TO INSTALL _____ ALTER X

ADDRESS 6575 Route 32 PHONE 286-2140

SUBDIVISION _____ ROAD 12404 Hall Shop Road LOT B

PROPERTY OWNER Gerald R. Strine

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

REPAIR - CALL FOR INSPECTION WHEN FROUND IS OPENED UP SO SANITARIAN CAN RECOMMEND REPAIR.

Trench dug 55 ft long, 12 ft deep,
with 8 ft of stone in trench.

PLANS APPROVED BY Frank Skinner DATE 12/20/84

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.

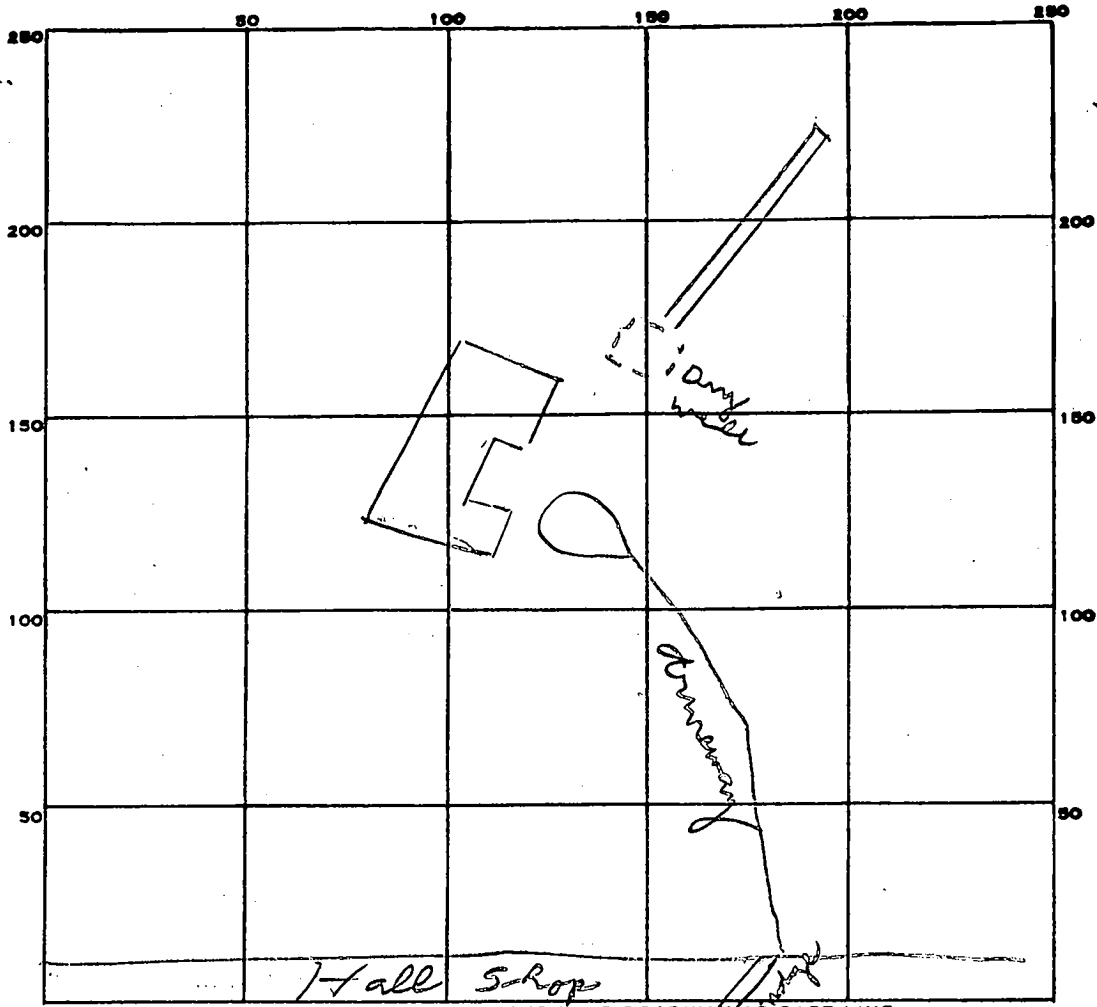
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA. OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 34689



PERMIT CARD

SEPTIC TANK, LEVEL _____

CLEANOUTS _____

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH 12 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 8 IN. TOTAL LENGTH 5.5 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 440

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

ABSORBENT AREA 440 SQ. FT.

REMARKS 12/28/84 OK to add stone in trench js
12/28/84 OK to cover all work js

DATE SYSTEM APPROVED 12/28/84 INSPECTOR Stayer

APPLICATION

SEWAGE DISPOSAL TESTING

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 5

DATE 7/25/66

*12 ft. vertical
Lola
1/24/74 2 in
9:30 vertical
file # 12479*

Strine
A 12038
P _____

*75 gal. septic Tank.
Dry well 12 ft. in dia. by 8 ft. deep
below the inlet located 36 ft. from the
front property line and 90 ft. off the right
side property line as seen when facing the
lot from the front property line. Front
property line runs parallel to rear of
lot C. Locate inlet pipe 3 FT. below
original grade.*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER John T. Swann (Jesse Strine)

ADDRESS Highland, Maryland PHONE AT 6-2608

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. B

ROAD AND DESCRIPTION Hall's Shop Rd.

OCCUPANT _____ PHONE _____

PERSON TO CONSTRUCT SYSTEM _____

ADDRESS _____ PHONE _____

SIZE OF LOT 5.073 acres TYPE BLDG. _____

NUMBER OF BEDROOMS 3

IF NOT SINGLE RESIDENCE DESCRIBE _____

SIGNATURE OF APPLICANT /s/ John T. Swann

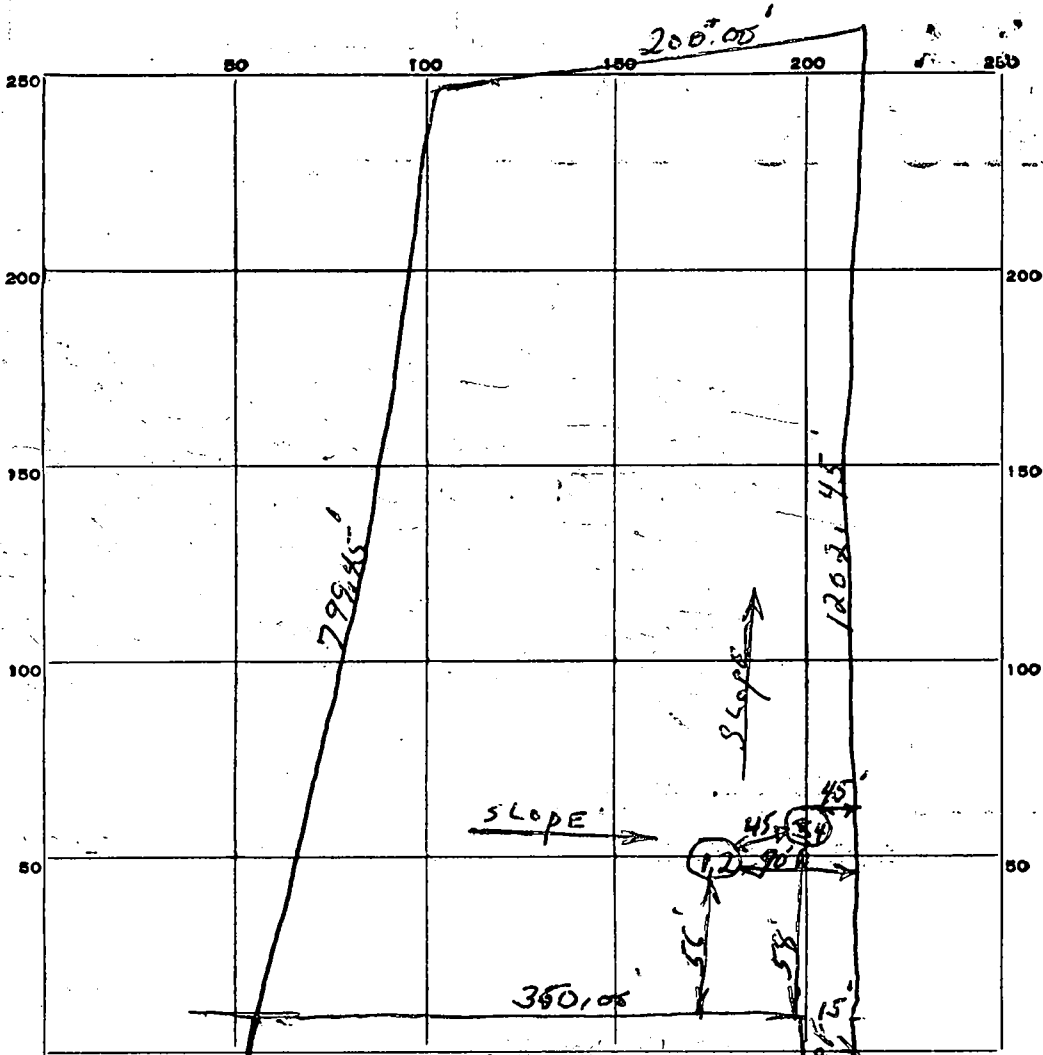
APPROVED BY Jesse E. Hennigan FOR Dry Well DATE July 26, 1966

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS 'BASE LINE'
 Lot C

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-26-66	1 Same	9'	11:01	11:02	11:02	11:04	2 min
	2 Pit	5'	11:02	11:04	11:04	11:06	2 min
	3 Same	9'	11:08	11:10	11:10	11:12	2 min
	4 Pit	4'	11:07	11:18	11:18	11:27	9 min
	Vertical 1 1/2' R						

7-26-66
 W & Swam

SOIL AUGER FINDING use pit (1, 2 primary) good after top 3 FT. both pits
 TESTED BY J.H.
 REMARKS

Total linear feet of trench
required 180 feet

Width of trench(es) 3 feet

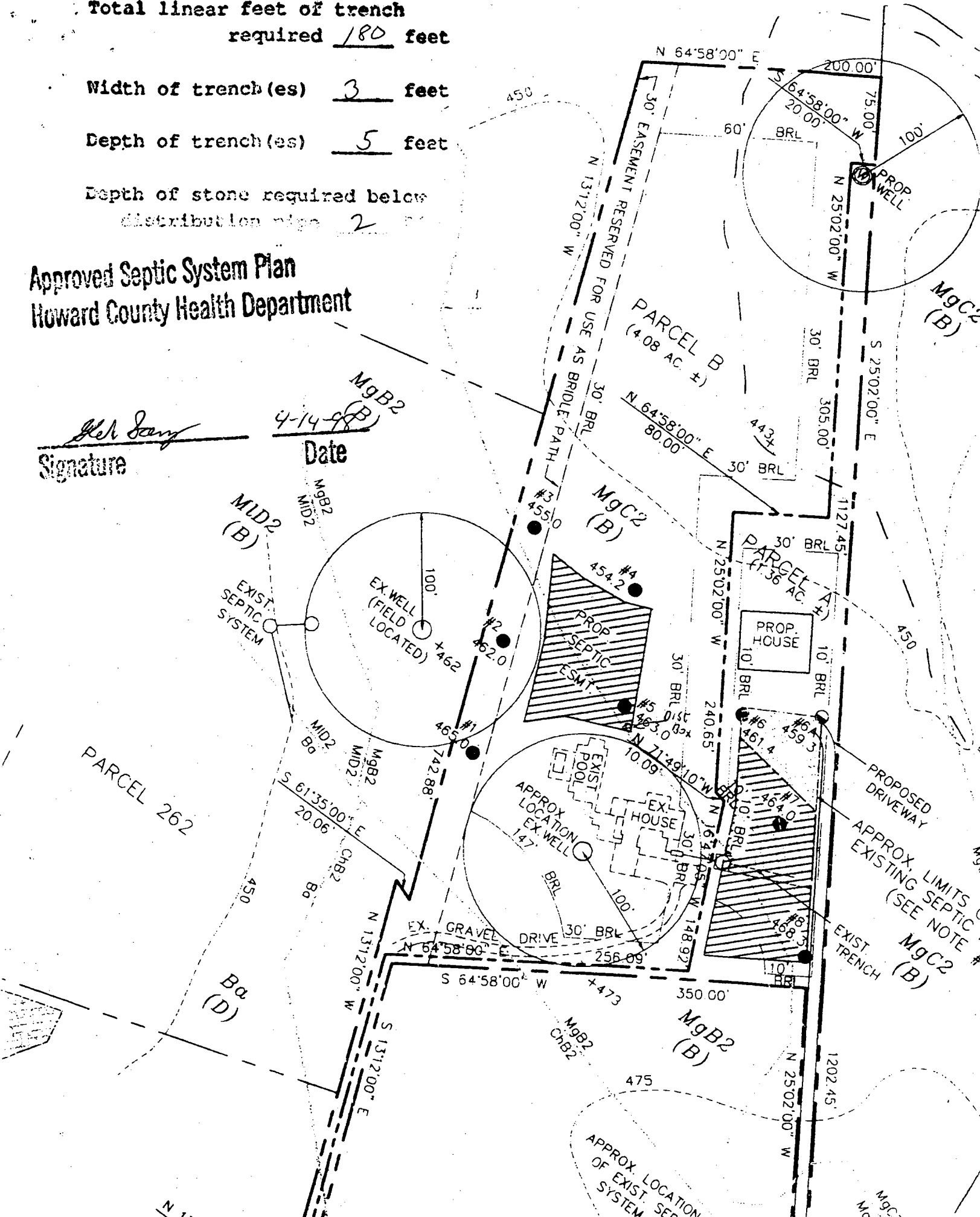
Depth of trench(es) 5 feet

Depth of stone required below
distribution pipe 2

Approved Septic System Plan Howard County Health Department

Her [Signature]
Signature

4-14-98
Date



APPLICATION

PERCOLATION TESTING

590308

A 5930

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 10/21/97

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER JACK ROSENBERG

ADDRESS SUITE 320, 10480 LITTLE PATUXENT PKWY.
COLUMBIA, MD. 21044 PHONE 410-964-5500

AGENT OR PROSPECTIVE BUYER MILDENBERG, BOENDER & ASSOC., INC.

ADDRESS SUITE 202, 5072 DORSEY HALL DRIVE
ELLICOTT CITY, MD. 21042 PHONE 410-997-0296

PROPERTY LOCATION:

SUBDIVISION ROSENBERG PROPERTY LOT NO. 1 PARCEL B

ROAD AND DESCRIPTION 12404 HALL SHOP ROAD (APPROX. 0.5 MI. EAST OF THE INT.
WITH RTE. 216, SCAGGSVILLE RD.; & OPPOSITE BROWNS BRIDGE RD.)

TAX MAP 40 PARCEL # 285

SIZE OF LOT 1.26 AC. TYPE BLDG. SINGLE FAMILY DWELLING
(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.

Richard L. Mantoch
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

A59030B
COUNTY #

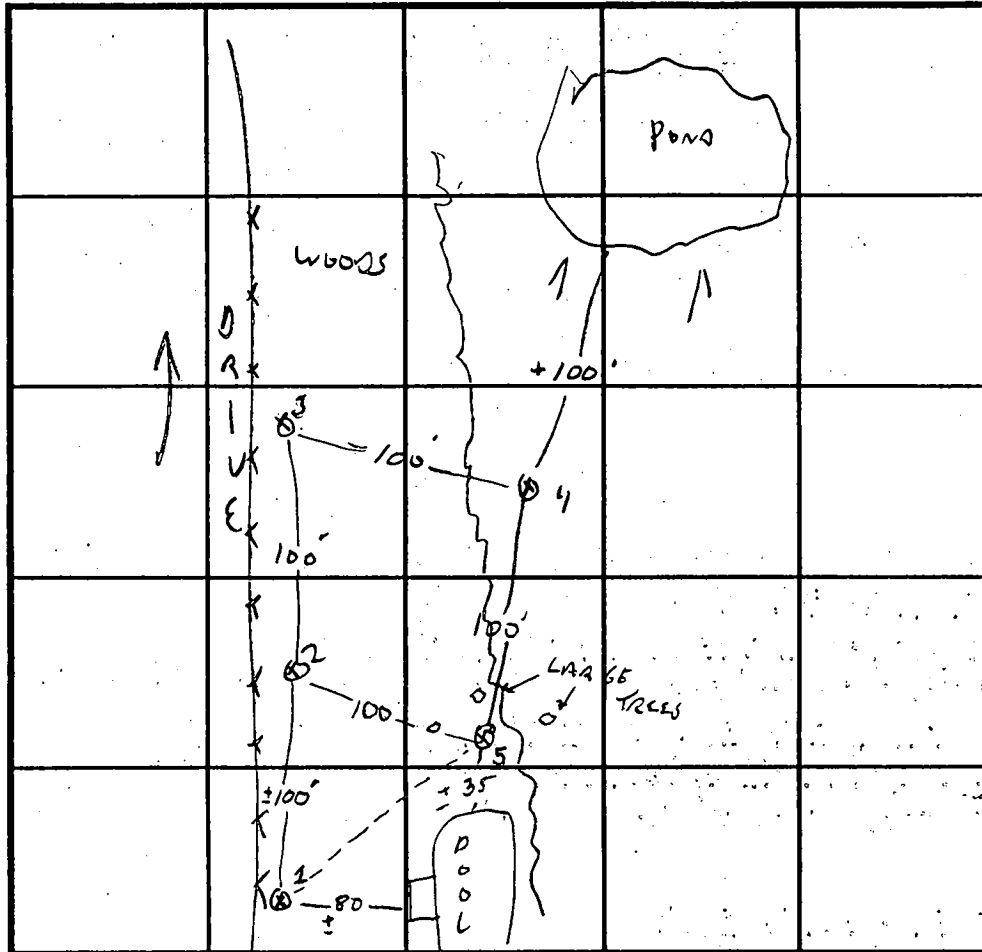
SOIL PROFILE

0' 5
DARK ORANGE CL
4 LIGHT TAN SIL
12
3

Brown CL

4 TAN-W/ GOLDEN POCKETS SIL

LOW CHROMA BT BROWN CL MISC SQ ROCK
12



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' 4
3' BROWN SCL
TAN SOIL
IRON ISOLATION LOW CHROMA 7-8'
SEE DELAYED SCHEDULE 20%
11' DAMP

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/17/97	4	4 / 11V	10:34	10:37		10:42	SAW
	3	5 / 12V	10:39	10:42		10:46	4 MW
	5	3 / 14V	10:52	10:53	10	10:55	2 MIN
		7	10:52	10:54		10:57	3 MIN
	2	12V	SAME	AS 5			OK

REMARKS SHALLOW SYSTEM ONLY, NO LOWER THAN # 4
TYPE OF SOIL H 20 TABLE INDICATORS
TESTED BY G. SAVAGE ALSO PRESENT K+K EXCAVATING
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4 MW TRENCH WIDTH 3
INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 180

B 1 8244 SEQUENCE NO. (WRA USE ONLY) **STATE OF MARYLAND** A12038 WRA PERMIT NUMBER
WATER RESOURCES ADMINISTRATION
 TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401
APPLICATION FOR PERMIT TO DRILL WELL **FILL IN THIS FORM COMPLETELY**

DATE RECEIVED (WRA USE ONLY) 8/2/74 9:30
 OWNER Strine file complete P 27 1/2 in Gerald
 COL 15 LAST NAME COL 34 FIRST NAME
 STREET OR RFD 12404 Halle Shop Rd
 COL 36 COL 55
 POST OFFICE Lutton md 20759
 COL 57 COL 76

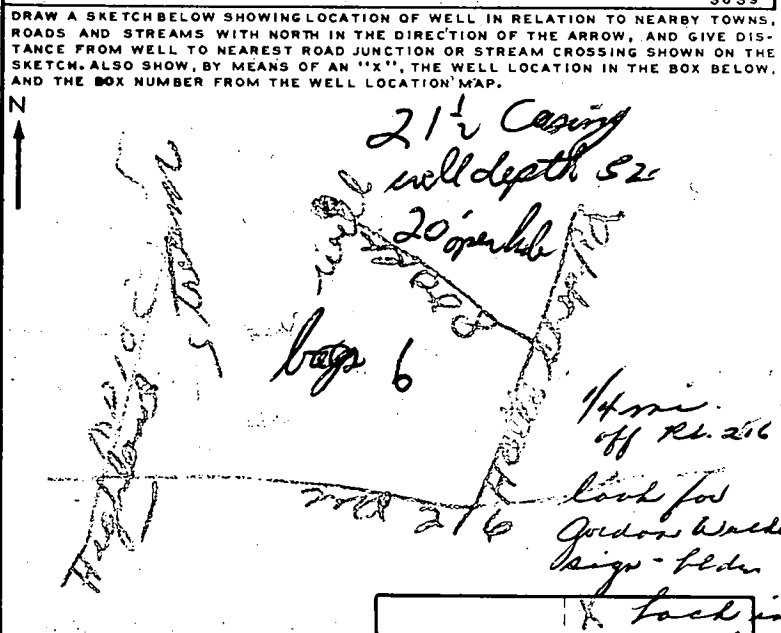
B 1 CONTINUED **DRILLER INFORMATION**
 1 2 3 (SEQ. NO.) 6
 DATE July 3, 1974 LICENSE NUMBER 115
 COL 1 COL 2 COL 3 COL 4 COL 5 COL 6 COL 7 COL 8 COL 9 COL 10 COL 11 COL 12 COL 13 COL 14 COL 15 COL 16 COL 17 COL 18 COL 19 COL 20 COL 21 COL 22 COL 23 COL 24 COL 25 COL 26 COL 27 COL 28 COL 29 COL 30 COL 31 COL 32 COL 33 COL 34 COL 35 COL 36 COL 37 COL 38 COL 39 COL 40 COL 41 COL 42 COL 43 COL 44 COL 45 COL 46 COL 47 COL 48 COL 49 COL 50 COL 51 COL 52 COL 53 COL 54 COL 55 COL 56 COL 57 COL 58 COL 59 COL 60
 FIRST NAME RALPH DRILLER LAST NAME MAYNE
 SIGNATURE Ralph Mayne

B 3 18 **LOCATION OF WELL**
 1 2 3 (SEQ. NO.) 6
 COUNTY Howard (DO NOT ABBREVIATE COUNTY NAME) 21
 SUBDIVISION 123 42
 SECTION 44 LOT 48 50
 NEAREST TOWN Highland 52
 MILES FROM TOWN (ENTER 0 IF IN TOWN) 1/2 71
 73 76 77 78

B 2 **WELL INFORMATION**
 1 2 3 (SEQ. NO.) 6
 MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5 8 12
 AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 500 14 20
 USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING, AGRICULTURE, IRRIGATION
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.
 MUNICIPAL WATER SUPPLY } MUST HAVE STATE HEALTH DEPT. APPROVAL
 PRIVATE WATER COMPANY
 TEST

B 4 **DIRECTION FROM TOWN**
 (CIRCLE APPROPRIATE BOX)
 1 2 3 (SEQ. NO.) 6
 NORTH EAST NE NORTHEAST SE SOUTHEAST
 SOUTH WEST NW NORTHWEST SW SOUTHWEST
 NEAR ROAD WHAT Halle Shop Rd
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH EAST WEST 30
 32 32 32 32
 DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 800 34 37 38 39

APPROXIMATE DEPTH OF WELL 100 FEET 24 28
 APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)
 METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)
 BORED (OR AUGERED) JETTED DRIVEN
 30-37 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)
 CABLE REVERSE-ROTARY DRIVE-POINT
 OTHER (DESCRIBE)
 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)
 41 52



NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)
 APPROPRIATION PERMIT NUMBER 84 ENGINEER REVIEW DISTRICT NO. 63
 FORCE 67 WRITE INITIALS IN BOX CONDITIONS UV 68 70 71 72 73 74 75 76 77 78 79

BOX NUMBER 810 480
 NORTH COORDINATE 50 51 52 53 54 55
 EAST COORDINATE 57 58 59 60 61 62 63
 ELEVATION AT WELL HEAD (FEET) 0/0 5/0

B 4 CONTINUED **HEALTH DEPARTMENT APPROVAL**
 1 2 3 (SEQ. NO.) 6
 41 STATE HEALTH (CIRCLE BOX) COUNTY NAME HOWARD COUNTY NO. 120310
 MO. DAY YR. 7 2 74
 DATE APPROVED BY Palmer E. Strine Director
 43 48

B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)
 1 2 3 (SEQ. NO.) 6

C 6964 SEQUENCE NO. (WRA USE ONLY)

DATE RECEIVED (WRA USE ONLY) Aug 2, 1974

DATE WELL COMPLETED

8-13 15 20

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

DEPTH OF WELL 52'

22 (TO NEAREST FOOT) 26

PERMIT NO. FROM "PERMIT TO DRILL WELL"
HO-73-0770
 28 29 30 31 32 33 34 35 36 37

DRILLERS IDENTIFICATION NO. 273

OWNER STRINE LAST NAME GERALD FIRST NAME
 STREET OR RFD 12404 HALLS SHOP RD. POST OFFICE FULTON, MD. 20759

WELL LOG

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
SHALE Rock	0	20	
FLINT Rock	20	52	

WELL DESCRIPTION

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) Y N

TYPE OF GROUTING MATERIAL (CIRCLE BOX)

CEMENT C M B C BENTONITE CLAY

NO. OF BAGS 6 NO. OF POUNDS 564

GALLONS OF WATER 36

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM 0 FT. TO 20 FT.

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 2

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 5

METHOD USED TO MEASURE PUMPING RATE BALER

CASING RECORD

INSERT APPROPRIATE CODE BELOW

STEEL S T CONCRETE C O

PLASTIC P L OTHER O T

MAIN CASING TYPE ST NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 22

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 22 (NEAREST FOOT)

WHEN PUMPING 0 (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)

AIR P RISTON T TURBINE

CENTRIFUGAL R ROTARY OTHER (DESCRIBE BELOW)

JET S SUBMERSIBLE

Baler

OTHER CASING (IF USED)

DIAMETER (INCH) DEPTH (FEET) FROM TO

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) Y N

CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) 31 35

PUMP HORSE POWER 32 41

PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

SCREEN RECORD

INSERT APPROPRIATE CODE BELOW

STEEL S T BRASS OR BRONZE B R OPEN HOLE H O

PLASTIC P L OTHER O T

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

ABOVE BELOW

LAND SURFACE (NEAREST FOOT) 2

SCREENS

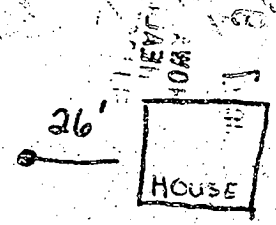
DEPTH (NEAREST WHOLE FOOT)

SCREEN NO.	FROM	TO
1	<u>HO</u>	<u>20</u> <u>52</u>
2		
3		

SLOT SIZE 1. 2. 3.

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 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 RALPH MAYNE

(PLEASE PRINT) Ralph Mayne

SIGNATURE

DIAMETER OF SCREEN (NEAREST INCH) 56 FROM 60 TO

GRAVEL PACK

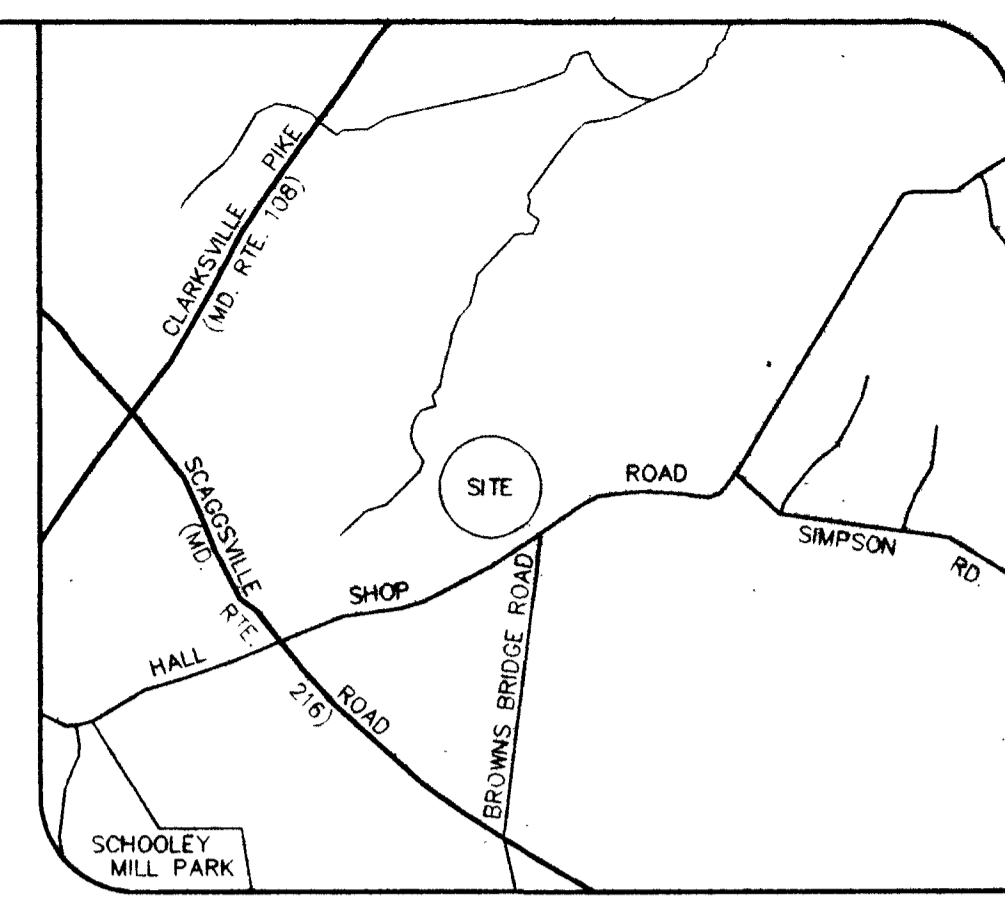
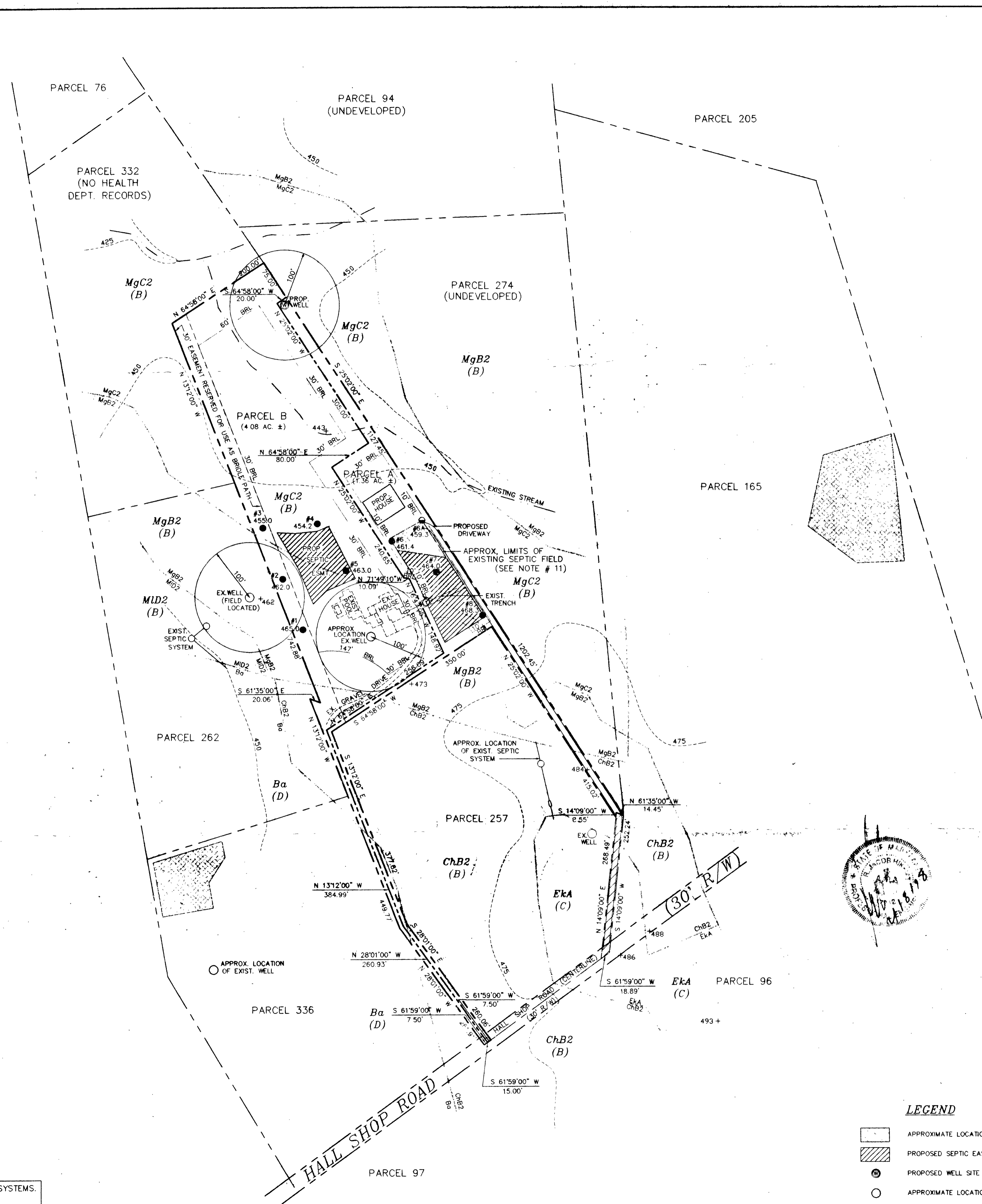
IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX F

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

TELESCOPE CASING 70 72

LOG INDICATOR 74 75 76

OTHER DATA AVAILABLE



GENERAL NOTES:

1. SITE DATA:
TAX MAP 40 - BLOCK 6 - PARCEL 285
DEED REFERENCE: L. 2779, F. 0144
GROSS AREA: 5.44 ACRES ±
ZONING: RR-DEO (ZONING MAP DATED SEPTEMBER 18, 1992)
2. TOPOGRAPHIC DATA BASED ON HOWARD COUNTY'S 200 SCALE MAPS. BOUNDARY BASED ON DEED DESCRIPTION.
3. BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON-SITE.
4. SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED JULY 1968, SHEET 28.
5. PRIVATE WATER AND PRIVATE SEWERAGE WILL BE UTILIZED.
6. PROPOSED SEPTIC EASEMENT TO BE USED FOR EXISTING HOUSE ON PROPOSED PARCEL B.
7. THE WELL FOR PROPOSED PARCEL A WILL BE DRILLED PRIOR TO RECORDATION OF PLAT.
8. TO THE BEST OF OUR KNOWLEDGE ALL EXISTING WELLS AND SEPTIC EASEMENTS WITHIN 200' OF THE PROPERTY LINE HAVE BEEN SHOWN. PARCELS 94 AND 274 ARE UNDEVELOPED. INFORMATION ON PARCEL 332 WAS NOT AVAILABLE IN HEALTH DEPARTMENT RECORDS.
9. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT 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 SEWERAGE EASEMENT, RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
10. THERE ARE EXISTING STRUCTURES ON THE PROPERTY, AND THE LOCATION OF THE WELL(S) AND SEPTIC(S) SERVING THESE STRUCTURES IS PARTIALLY, BUT NOT COMPLETELY KNOWN. THEREFORE, ABANDONMENT AND REPLACEMENT OF THE SEPTIC SYSTEM SERVING THE EXISTING HOUSE WILL BE COMPLETED PRIOR TO THE HEALTH OFFICER'S APPROVAL FOR A BUILDING PERMIT OR FINAL PLAT. ANY AND ALL MEANS NECESSARY TO LOCATE, ASSESS, AND REMEDY ANY WELL AND SEPTIC CONFLICT WILL BE UNDERTAKEN. SHOULD ABANDONMENT OF THE EXISTING SEPTIC DISTURB ENOUGH GROUND AS TO LIMIT THE INSTALLATION OF INITIAL AND TWO (2) REPAIR SEPTIC SYSTEMS FOR PARCEL A. APPROVAL OF ANY SUBSEQUENT PERMITS MAY NOT BE GRANTED BY THE HEALTH DEPARTMENT.
11. NO GRADING IS TO TAKE PLACE WITHIN THE SEPTIC EASEMENTS. ANY DEVIATION REQUIRES HEALTH DEPARTMENT APPROVAL.

SOILS DESCRIPTION

SYMBOL	DESCRIPTION
Ba	BAILE SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED --- TYPE B
ChB2	CHESTER SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED --- TYPE B
Eka	ELIOAK SILT LOAM, 0% TO 3% SLOPES --- TYPE C
MgB2	MANOR GRAVELLY LOAM, 3% TO 8% SLOPES, MODERATELY ERODED --- TYPE B
MgC2	MANOR GRAVELLY LOAM, 8% TO 15% SLOPES, MODERATELY ERODED --- TYPE B
MD2	MANOR LOAM, 15% TO 25% SLOPES, MODERATELY ERODED --- TYPE B

LEGEND

- APPROXIMATE LOCATION OF EXISTING SEPTIC EASEMENT
- PROPOSED SEPTIC EASEMENT
- PROPOSED WELL SITE
- APPROXIMATE LOCATION OF EXISTING WELL SITE
- PASSED PERC TEST HOLE
- FAILED PERC TEST HOLE

SIGNED PERC CERT

OWNER
JOEL A. ROSENBERG
SUITE 302
10480 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

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

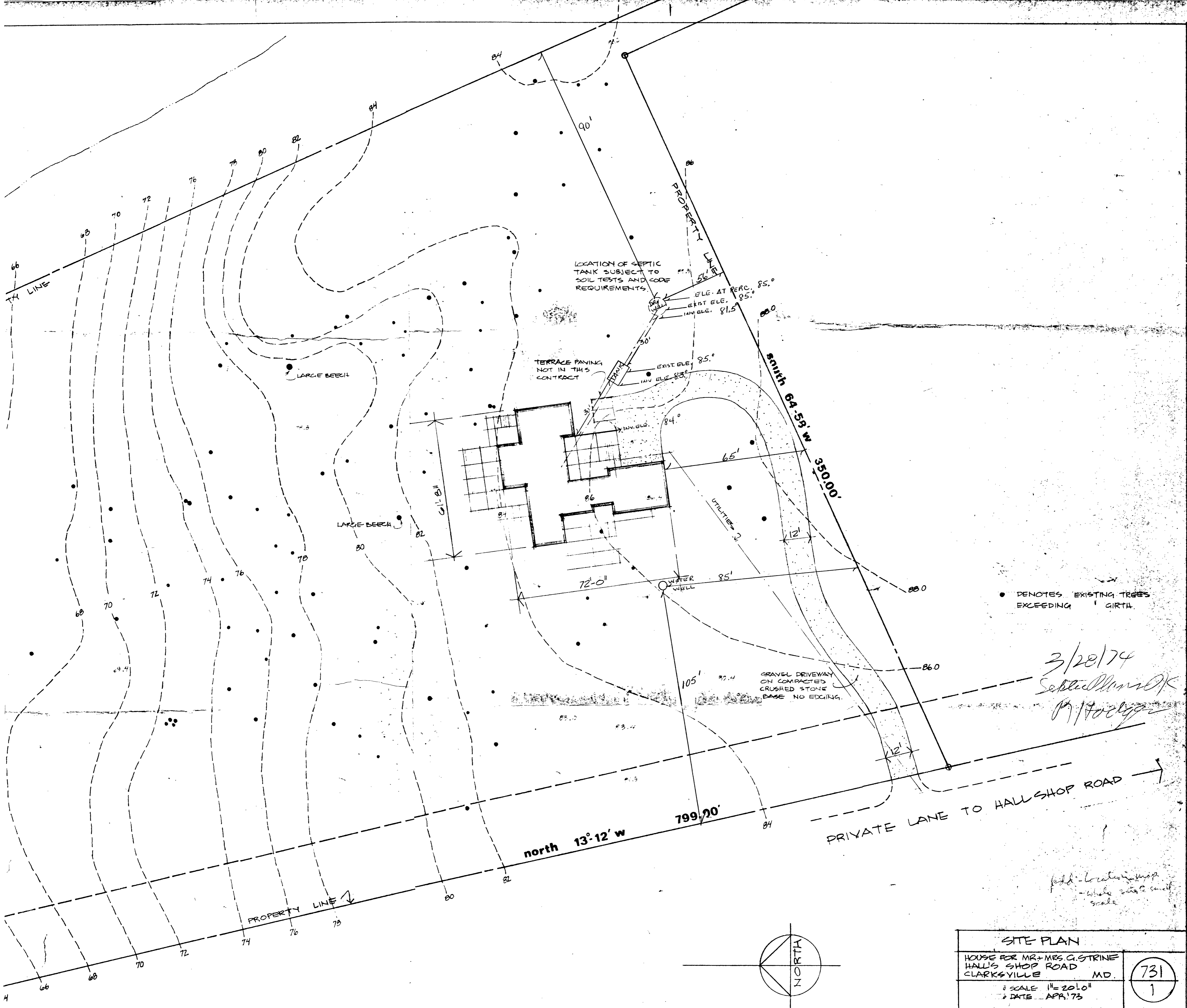
Joan M. ...
HOWARD COUNTY HEALTH OFFICER
DATE: 2-19-98

Project	date	approval
87074	FEB 1998	RJH
Illustration	scale	1"=100'
RLM		RJH

Project	date	description	revisions

ROSENBERG PROPERTY
PARCEL 285
TAX MAP 10 - BLOCK 6
FIFTH ELECTION DISTRICT
PERC CERTIFICATION PLAT
HOWARD COUNTY

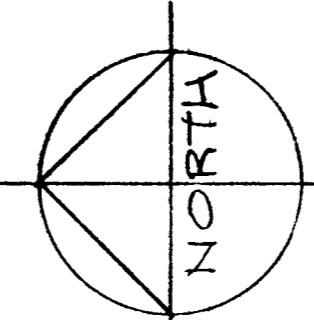
MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Fax (301) 821-5521 Wash. (410) 997-0298 Fax



• DENOTES EXISTING TREES EXCEEDING 1' GIRTH.

3/28/74
 Sept 11/1974
 M. Hodge

field location map
 - whole site small scale



SITE PLAN	
HOUSE FOR MR. + MRS. G. STRINE HALL'S SHOP ROAD CLARKSVILLE MD.	
SCALE 1" = 20' 0" DATE APR. '73	731 1
JERVIS DORTON ARCHA, TEL. 730 4658 3415 A. MERRYREST RD. COLUMBIA, MD.	