

11/19/98
10:00 meet installer

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 510179

A 50617-X

DISTRICT 3rd

DATE 6-2-98

DATE SYSTEM APPROVED 11/19/98

INSPECTOR [Signature]

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

03-322394

INDEXED

Arnold Backhoe & Septic Services IS PERMITTED TO INSTALL ALTER

ADDRESS P.O. Box 15, Woodbine, MD 21797 PHONE 410-795-7873

SUBDIVISION Woodford's Grant LOT 48 (Old 17) ROAD 11369 Barley Field Way

PROPERTY OWNER Trinity Builders

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench ^{4.0} to be 3 feet wide. Inlet 1.5 feet below original grade. Bottom maximum depth ^{4.0} feet below original grade. Effective area begins at 1.5 feet below original grade. 1.5 feet of stone below distribution pipe. 70

LOCATION - Begin trenches 145 feet up the right (230.16') lot line and 80 feet off that same lot line as seen when facing the lot from Barley Field Way. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. ok [Signature] 5/11/98

Revised

PLANS APPROVED BY Kim Maiste/Amy McMillen DATE 04/30/98

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

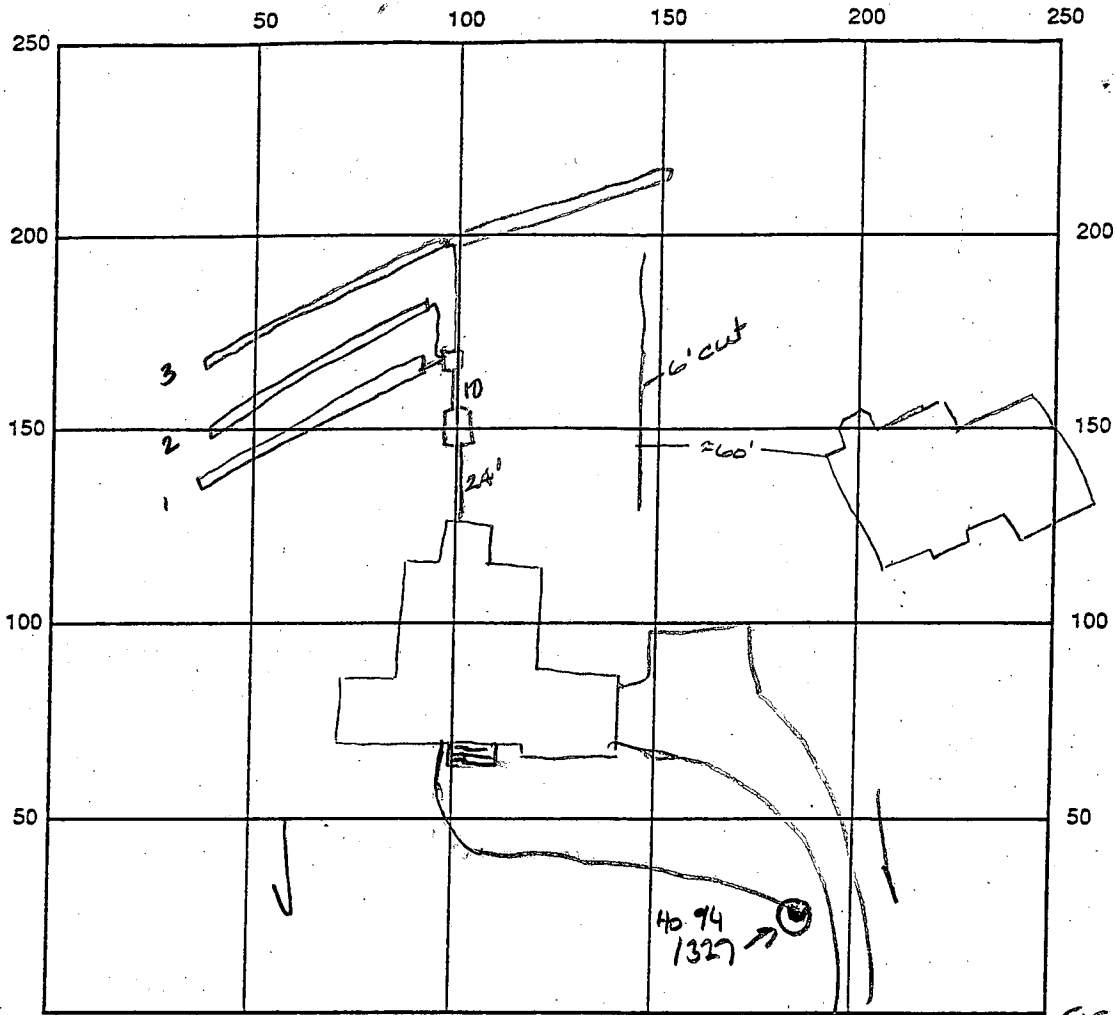
PERMIT VOID AFTER TWO YEARS

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**

A 5000



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE BARLEY FIELD WAY

SEPTIC TANK LEVEL 1250 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK baffle 13 in

DRAIN FIELD/TILE DEPTH 4.0 FT. TRENCH WIDTH 30 FT. INLET DEPTH

1	2	3
3	2.5	2

 FT.

EFFECTIVE GRAVEL DEPTH

1	2	3
1	1.5	2.0

 FT. TOTAL LENGTH

1	2	3
60	60	120

 FT. = 240

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

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET 1-2' FT.

ABSORBENT AREA SQ. FT.

REMARKS: 10/12/98 Appears that grading on lot 49 has extended onto Lot 48 SDA -
Need wall checks for both lots & 10-21-98 6' of cut not apparent in field - it has
been filled in. house locations OK as approved on BP plans & 11/16/98 WPI OK BY
11/19/98 Revised perc cert & BP Plan received - In order to receive gravity
service, specs changed slightly - OK to cover all work

DATE SYSTEM APPROVED 11/19/98 INSPECTOR A. M. M. M.

APPLICATION

PERCOLATION TESTING

A 506017-X

P _____

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

DISTRICT _____

DATE 3-30-95

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 Thomas Powell c/o Land Design & Development, Inc. Trinity Builders

ADDRESS 10805 Hickory Ridge Rd., Columbia 21044 PHONE (410) 740-2100

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Powell Property LOT NO. 211748

ROAD AND DESCRIPTION off of Marriottsville Road, Howard County, MD

(11369 Barley Field Way)

TAX MAP 10 PARCEL # 27, 29, 151

SIZE OF LOT 40,000 sq. ft. TYPE BLDG. single family home - 4 Bdr
(SINGLE FAMILY DWELLING OR COMMERCIAL)

~~OLD PERMIT SIGNATURE~~

~~AND RETURNED 4-30-98~~

~~Seal # B10 110957~~

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 _____ 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

A 50617 X
COUNTY #

SOIL PROFILE
1037 1039

brn 10 40
CSL B

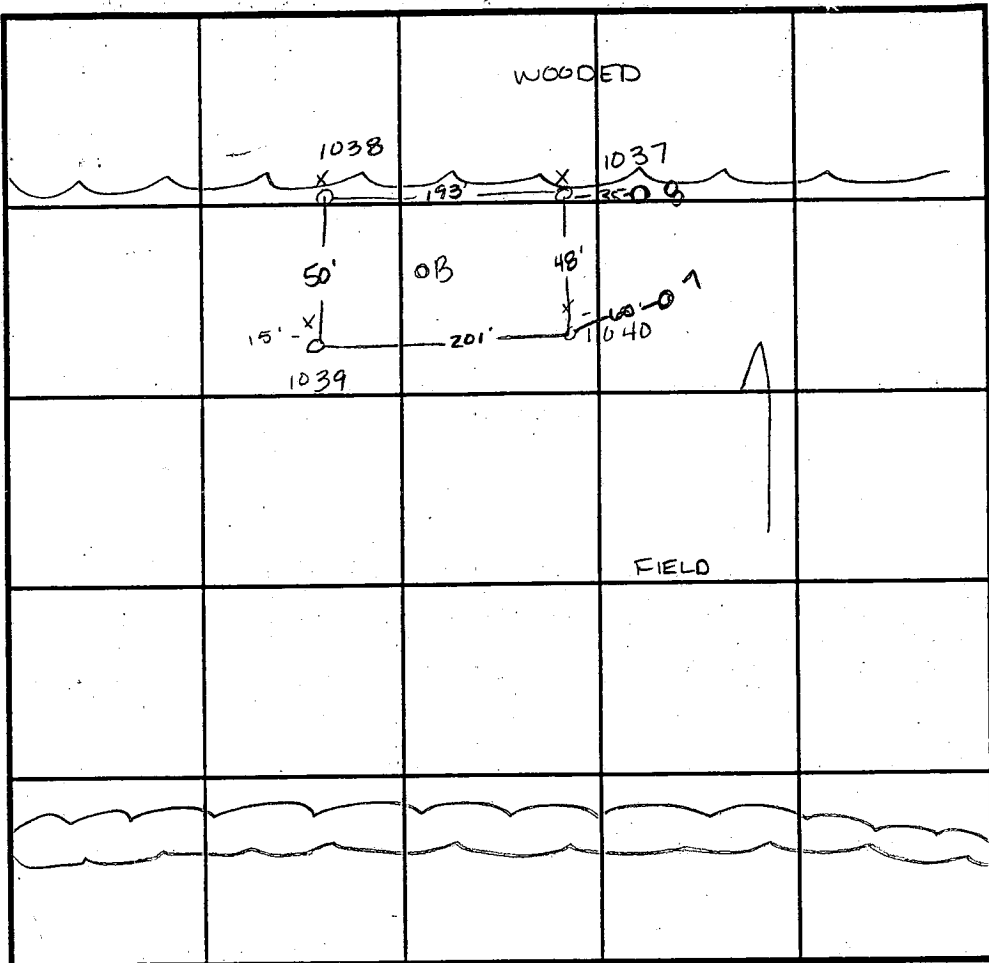
1gt
tan
SL
w/ grey
mica:
shale
saproliite

1038

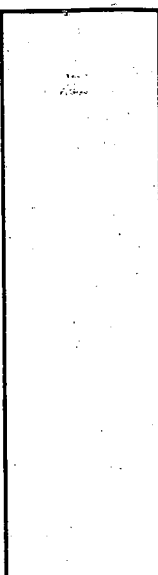
brn
CSL
mica

greyish
brn
SL
from
parent
rock:
mica:
shale
saproliite

hard
bottom



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-22-94	1037	3' ✓ 11	1:33 ¹⁵	1:33 ⁵⁰	1:33 ⁵⁰	1:34 ⁴⁵	1 min
	1037	repour	1:35 ¹⁵	1:36 ³⁰	1:36 ³⁰	1:38	1 1/2 min
	1040	Visual to 11'					OK
	B	Visual to 12'					OK
	1039	6.5' ✓ 12'	1:43 ¹⁵	1:43 ⁴⁵	1:43 ⁴⁵	1:44 ²⁰	30 sec
	1039	repour	1:44 ⁴⁵	1:45 ³⁰	1:45 ³⁰	1:46 ⁴⁵	1 1/4 min
	1039	3.5' ✓ 12'	1:47 ¹⁵	1:49 ¹⁵	1:49 ¹⁵	1:55	5 3/4 min
	1038	2' ✓ 9'	1:50 ²⁰	1:50 ²⁰	1:50 ²⁰	1:50 ⁴⁰	20 sec
	1038	repour	1:51 ³⁰	1:51 ³⁰	1:51 ³⁰	1:52	30 sec
	1038	repour	1:52 ³⁰	1:53	1:53	1:54	1 min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMiller ALSO PRESENT Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4 min TRENCH WIDTH 3'

INLET DEPTH 1.5 MAXIMUM BOTTOM DEPTH 3' SQ. FT./BEDROOM 180 ft²

COUNTY #

SOIL PROFILE

7-8

beigh
Salm
micaceous
red and
grey
(from
mica)
Salm
10%
Saprolite

SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-10-95	7	4' V12'	1:15	1:16 ³⁰	1:16 ³⁰	1:17 ³⁰	1min
	7	repour	1:18	1:19 ⁴⁵	1:19 ⁴⁵	1:21 ³⁰	3/4min
	7	repour	1:22	1:24	1:24	1:26 ³⁰	2 1/2min
	8	3' V11'	1:32 ³⁰	1:34 ⁴⁵	1:34 ⁴⁵	1:38 ¹⁵	3 3/4min

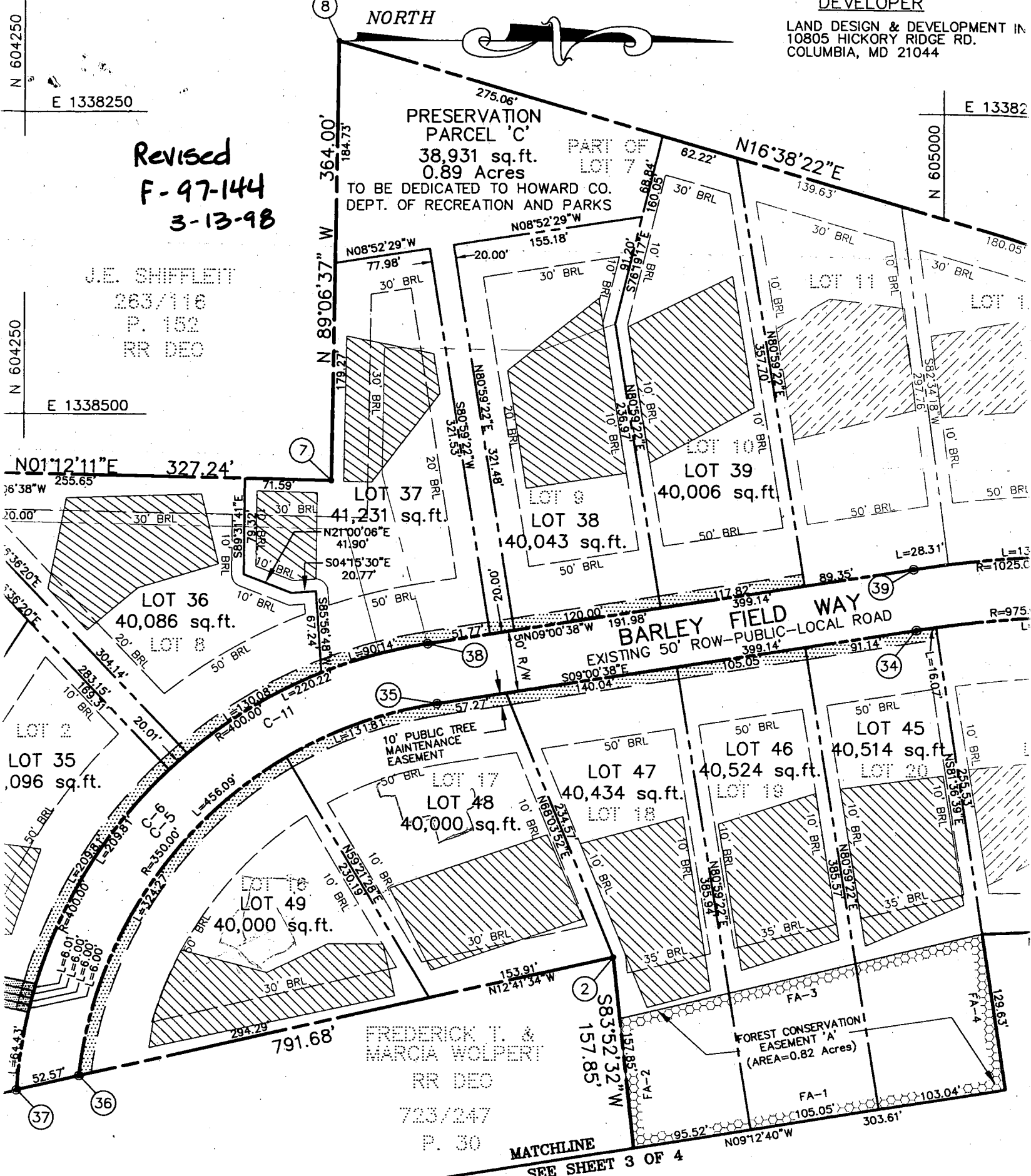
REMARKS TEST HOLES 7-18 HAD 12" x 12" TEST PITS

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

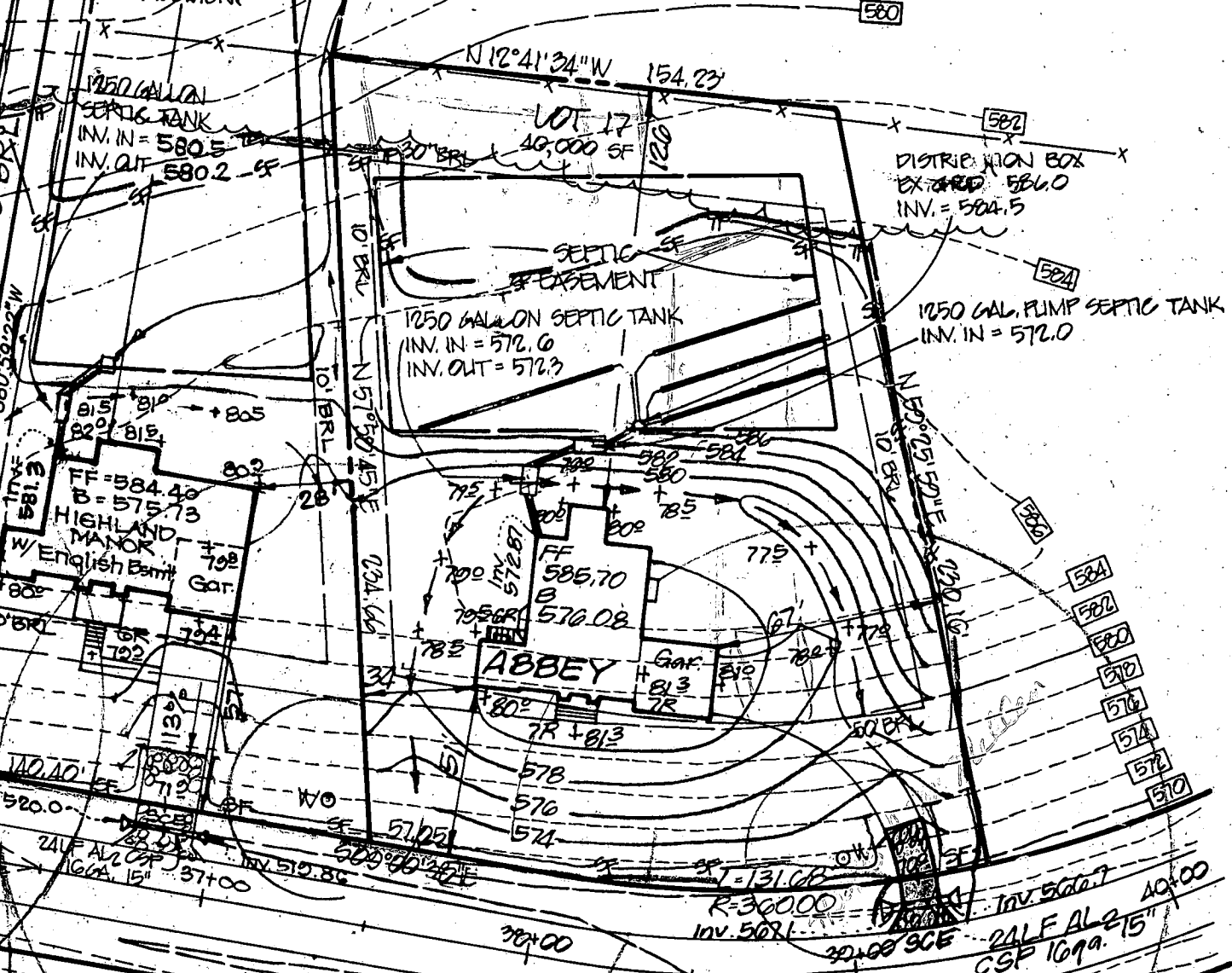


OWNER'S STATEMENT

H. POWELL, JR., PATRICIA ANN MERZ, AND WOODFORD JOINT VENTURE (COMPOSED OF ELICOTT CITY LAND HOLDINGS, VENTURES, INC.) OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF AND IN CONSIDERATION OF THE APPROVAL OF OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, E MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND E RIGHT TO ALL CONSTRUCT AND MAINTAIN DRAINAGE, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND

SURVEY

I HEREBY CERTIFY CORRECT; THAT PROPERTY COVEY



Approved Septic System Plan
 Howard County Health Department

William Mille 4/30/98
 Signature Date



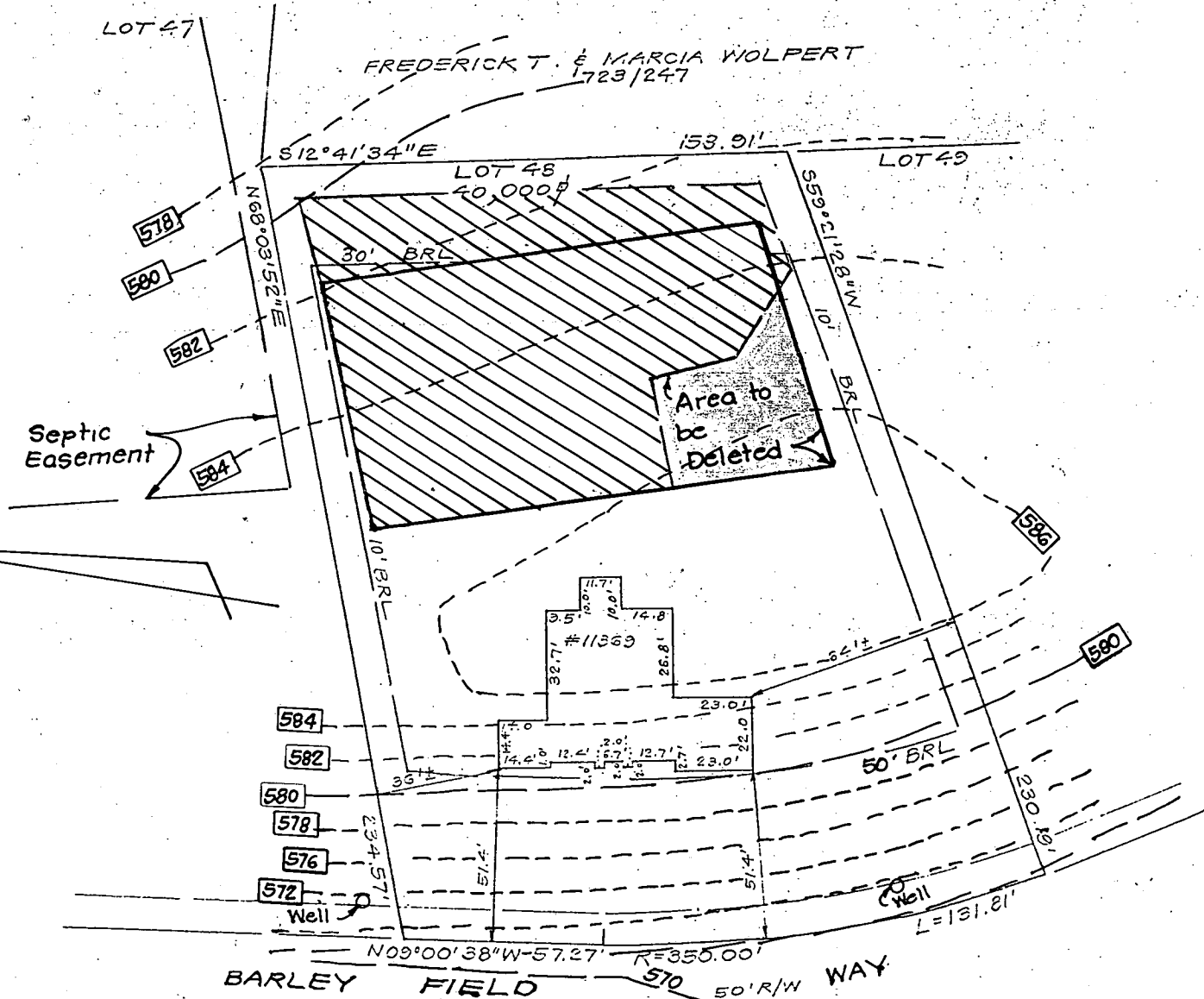
ENGINEER'S CERTIFICATE

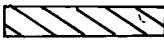
I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

G. Nelson Clark 8-27-97
 G. NELSON CLARK DATE

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED JME/TD	SITE DEVELOPMENT, SEDIMENT & EROSION CONTROL PLAN LOTS 1, 3, 4, 6, 10-12, 15, 17-19, 21 & 23 WOODFORD'S GRANT TAX MAP 10 PARCEL NO'S 27, 29 & 151 THIRD (3RD) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 50'
DRAWN <i>JH/olp</i>		DRAWING 2 OF 3
CHECKED <i>miel</i>		JOB NO. 97-013
DATE ALLN. 1997		FOR: TRINITY BUILDERS, INC. 6212 DEVON DRIVE COLUMBIA, MARYLAND 21044

G.P. 98-24



 This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of The Environment 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 sewage easement. Recordation of a modified sewage easement shall not be necessary.

The Lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of The Environment.

Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems

Joyce M. Boyd per *J.M.* 11/19/98
 County Health Officer Date

Percolation Certification Plat

Lot 48
 WOODFORDS GRANT
 3rd Election District
 Howard County, Maryland

CLARK, FINEFROCK & SACKETT, INC.
 ENGINEERS · PLANNERS · SURVEYORS
 7135 MINSTREL WAY COLUMBIA, MARYLAND 21045
 TELEPHONE: BALT. (410)381-7500 · WASH. (301)621-8100

DRAWN BY: J.M.E.
 CHECKED BY:
 DESIGNED BY:

DATE: 11-17-98
 JOB NO:
 97-013

SCALE: 1"=50'
 FILE NO: 97-013-L

C1 09607

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A 50617

ST/CO USE ONLY DATE RECEIVED MM 03 24 98

DATE WELL COMPLETED MM 03 20 98

Depth of Well 365 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1327

OWNER TBI Homes STREET OR RFD Barley Field Way TOWN Marriottsville SUBDIVISION Woodford's Grant SECTION LOT 48

WELL LOG Not required for driven wells.

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

Table with columns: DESCRIPTION, FEET FROM, FEET TO, check if water bearing. Includes entries for Top Soil, Sandy, Blue Stone, Micka, Sand Stone, Micka, Flint Rock, Micka.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (CM) (BC) NO. OF BAGS 6 NO. OF POUNDS 800

CASING RECORD

MAIN CASING TYPE PL 6 21 OTHER CASING (if used) diameter depth (feet)

SCREEN RECORD

screen type or open hole (HO) (OT) DEPTH (nearest ft.) HO 19 365

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 7.5 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 65 WHEN PUMPING 120

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (YES) (NO) TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above (-) below 2 (nearest foot)

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER 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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

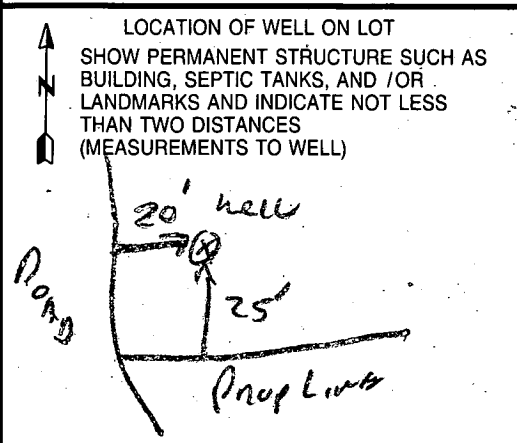
DRILLERS LIC. NO. M SD 116 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. M SD 112

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

Table with columns: ACHSREN, DEPTH (nearest ft.), SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

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

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



B 1 **8761** SEQUENCE NO. (MDE 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

STATE PERMIT NUMBER
40-94-1327
 fill in this form completely

B 2 **OWNER INFORMATION**

Date Received (APA) **111399**

701 HOMES INC
 15 Last Name 13 Owner 34 First Name

6212 Devon ON
 36 Street or RFD 55

COLUMBIA MD 21044
 57 Town 70 State 72 Zip 76

B 3 **LOCATION OF WELL**

HOWARD
 8 COUNTY 21

WOODFORDS GRANT
 23 SUBDIVISION 42

SECTION **F** LOT **48**
 44 46 48 50

MANNINGTOWN
 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **1** MI
 73 76 77 78

DRILLER INFORMATION CIRCLE: **MSD** MGD/MWD

Ralph MAYNE
 17 License No. **116**

Driller's Name **Ralph Mayne (well drilling)**

Firm Name **9120 Brown Church Rd Mt Airy**

Address **Ralph Mayne Nov 11 99**

Signature Date

B 4 **DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

BARLEY FIELDS WAY
 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 WEST EAST

DISTANCE FROM ROAD **20**
 34 37

ENTER FT OR MI **FT**
 38 39

TAX MAP: _____ BLK: _____ PARCEL _____

B 2 **WELL INFORMATION**

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**
 14 20

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard Co. **A50617 X**
 COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S

DATE ISSUED **11/18/97** **A. McMillen** **11/18/98**
 43 48 CO SIGNATURE EXP. DATE

NORTH GRID **546000** EAST GRID **0828000**
 50 55 57 63

APPROXIMATE DEPTH OF WELL **159** FEET
 24 28

APPROXIMATE DIAMETER OF WELL **6"** NEAREST 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 DEEPENED 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEN AN EXISTING WELL

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

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

APPROP. PERMIT NUMBER **GAP**

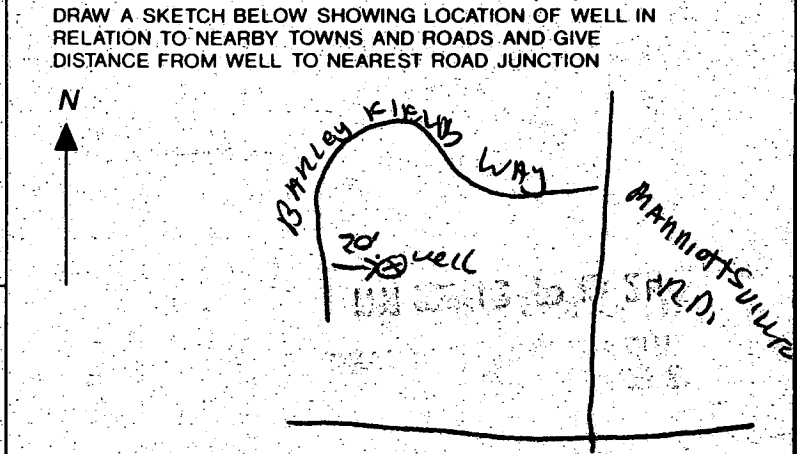
FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **40-94-1327**
 67 68 70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER
 1. **well**

WRITE THE BOX NUMBER FROM THE MAP HERE

828
546046



Woodford's Grant - Lots 48/49

- 10-12-98 Met Arnold's backhoe in field - appears approx. $\frac{1}{2}$ to $\frac{1}{4}$ of SDA on Lot 48 has been graded away (6' of dirt removed) from the SDA
- 10-13-98 Spoke w/ Steve Forney - need wall check for Lot 49 to help in evaluation
Spoke w/ Sally of Trinity for wall check on Lot 48 - She will send.
- 10-20-98 Spoke w/ Steve of Hamilton Reed for a copy of wall check for Lot 49
- 10-21-98 Received both wall checks - field inspection showed that 6' off cut previously visible has been filled in - it is not apparent in field now
- 11-6-98 Another field insp - dimensions drawn
- 11-12-98 FAXED change to SDA needed to 40% of Trinity - revised Perc Cert needed