

8/11/78  
a.m. if possible

File { 8/11/78 Hold + check with V. Keller }

# PERMIT

P 27819  
A 25854

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3rd

## INDEXED

DATE 4/13/78

Albert Scheel

IS PERMITTED TO INSTALL X ALTER

ADDRESS Scheel Drive, Ellicott City, Md. 21043

PHONE 531-6677

SUBDIVISION (Triadelphia Farms)

ROAD 13346 Triadelphia Road

LOT 14A, Sec. 2

PROPERTY OWNER William Musgrove

ADDRESS 3620 Scheel Drive, Ellicott City, Md. 21043

SPECIFICATIONS 3 bedrooms

SEPTIC TANK CAPACITY 1000 GALLONS

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

DEEP TRENCH \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA 130 SQ. FT. sidewall area per bedroom.

INLET PIPE 4 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 12 1/2 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT 6 FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AND \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AS SEEN WHEN FACING LOT FROM

Locate dry well 75 ft. from edge of existing road and 135 m/l from left property line when facing lot from Triadelphia Road. Septic tank need manhole type cleanout to grade level. If trench is used leave 5 ft. earth buffer between dry well and trench and run the necessary distance to make up sidewall area needed. Trench to run with contour of ground.

PLANS APPROVED BY Charles B. Streaker

DATE 6/9/77

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 PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

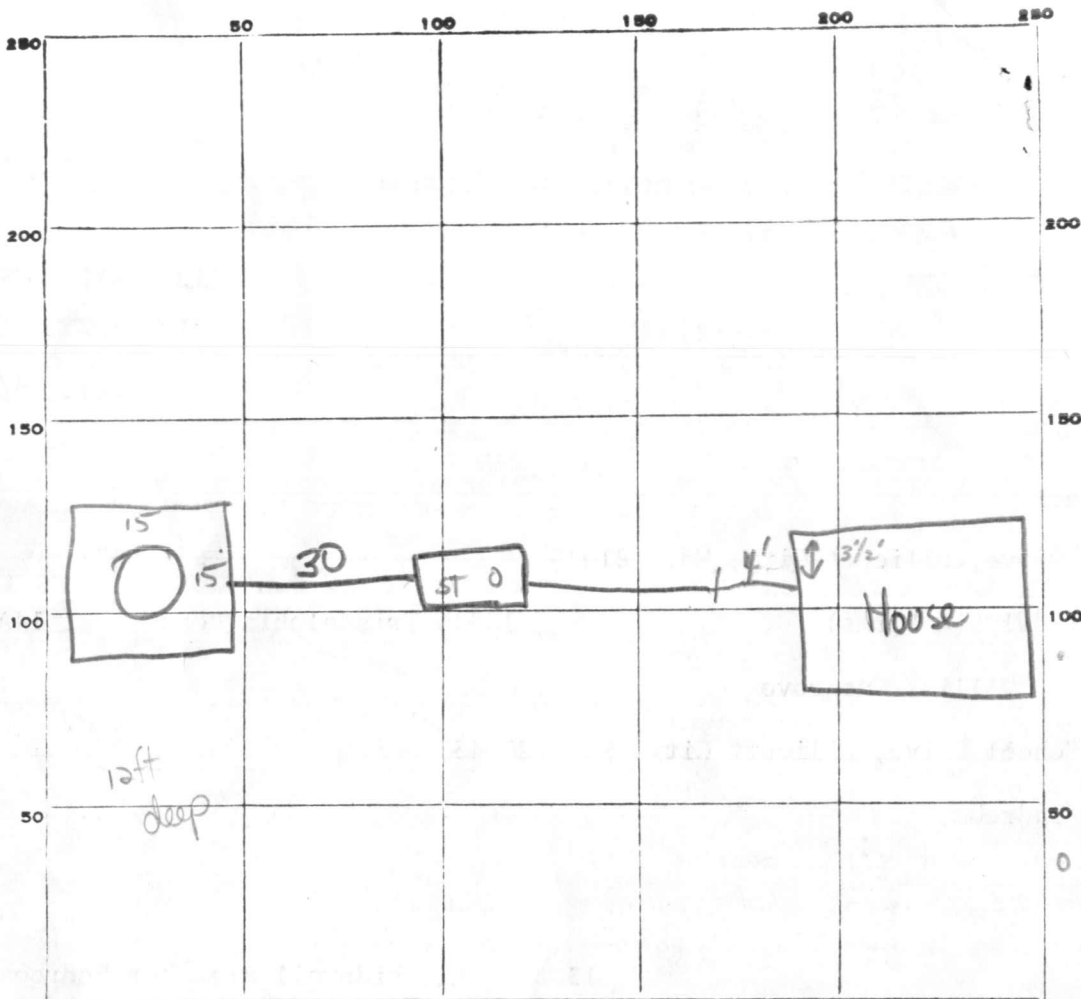
NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

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 TERRAZZO ACCEPTED.

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

A 25854



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

contractor present 8/10/78 Not seen Trudolphia Rd.  
 PERMIT CARD ST | DW  
 SEPTIC TANK, LEVEL  CLEANOUTS  Terra Cotta  
 DISTRIBUTION BOX, LEVEL N/A  
 TILE FIELD, DEPTH 12 1/2 FT. TRENCH WIDTH 2 FT.  
 GRAVEL DEPTH 6 1/2 + 1 IN. TOTAL LENGTH 23 FT. 138  
 NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 150 11  
 SEEPAGE PITS, INSIDE DIAMETER 60 FT. DEPTH BELOW INLET 6 FT. 149  
 ABSORBENT AREA 409 SQ. FT. ± Effective depth  
perimeter AT 6' +360

REMARKS 9 Aug 78 - Call for final when gravel is added to trench,  
and house connection can be inspected. OK  
to backfill from septic tank to drywell. (GLK) 10 Aug 78  
4' house connection seen and paper on  
trench to 3' grade. Hold for S.K. - 4' ok for  
house connection 8/11/78 in office

DATE SYSTEM APPROVED 8/11/78 INSPECTOR C. B. Sheehan  
above

PRELIMINARY

# APPLICATION

A. 25854

P. \_\_\_\_\_

## SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

Septic Tank { 1-3 Bedroom 1000 gallons  
4 Bedroom 1750 gallons  
DATE 5/11/77

6/8/77  
9:30 A.  
1st

Hold

\*Dry well to have 130 sq. ft. effective absorbent sidewall area per bedroom below first 6' of original soil. Unlit ~~can~~ come in at 4' and maximum depth 12 1/2'. Location 75' from edge of existing road and 135'± from left property line when space lot from Triadelphia Road. (New hole 142)

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 Mrs. William G. Musgrove  
*Septic Tank needs monohole type cleanout to grade level*  
*Dry Well + trench used*

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_  
*① 5' earth buffer between dry well + trench*

PROPERTY LOCATION: \_\_\_\_\_

SUBDIVISION Triadelphia Farms LOT NO. 14A, Sec. 2  
*② Trench needs before and after inspection of gravel*

ROAD AND DESCRIPTION Triadelphia Road

SIZE OF LOT 1.231 acres m/1 TYPE BLDG. 3 or 4 bedrooms  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ John Rettaliata  
BLDG. PERMIT SIGNED AND RETURNED 9/7/77

Hold APPROVES BY C. B. Shuster FOR Dry Well for Dry Well + Trench DATE 6/9/77  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

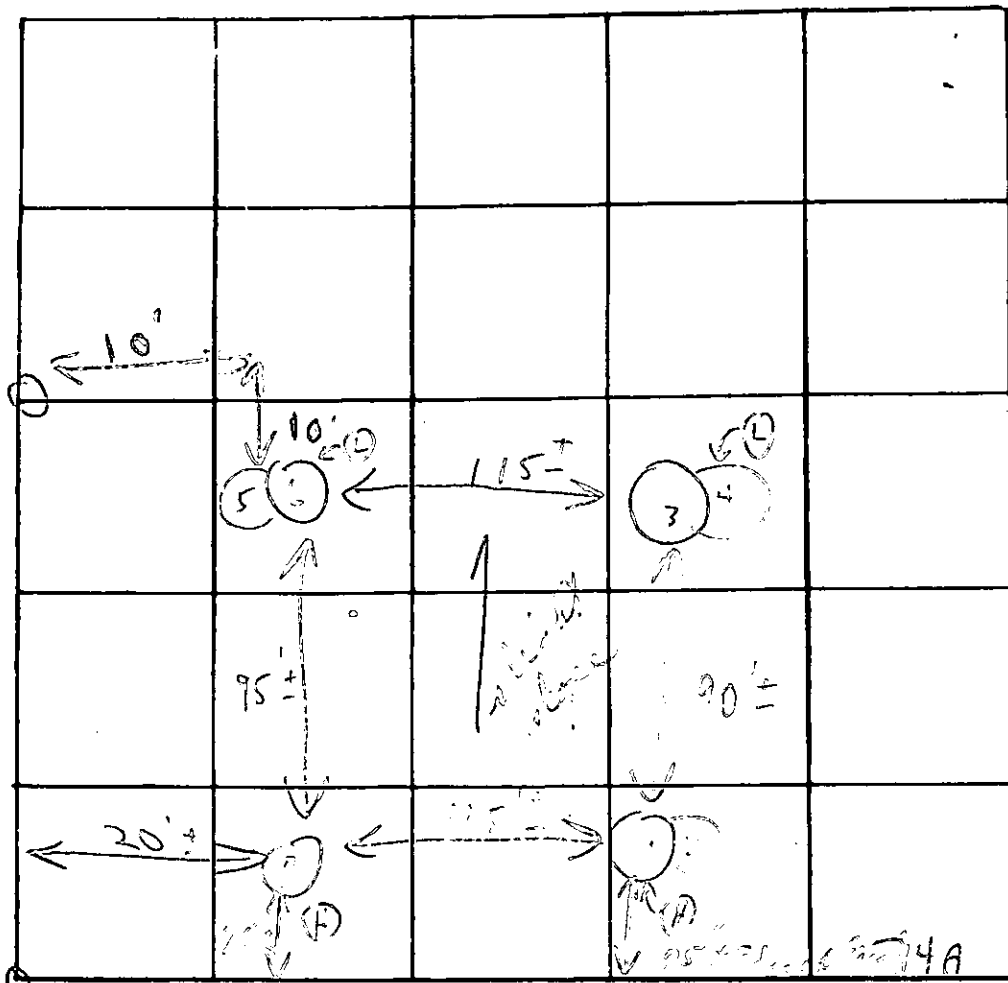
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

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

for revised plat - c.B.S. showing location of field test perc. holes.

# THIS IS NOT A PERMIT





Sheet 2

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/9/27	1	6'	10:39	10:39	10:39	10:45	6 min
	2 (A)	14'	10:37	10:39	10:39	10:42	3 min
	3	4 1/2'	10:19	10:20	10:20	10:25	5 min
	4 (A)	14'	10:19	10:22	10:22	10:29	5 min
	5 A	5 1/2'	10:16	10:16	10:16	10:16	Revised
	6 (A)	14'	10:16	10:20	10:20	10:24	4 min
	7 (A)	13 1/2'	Vibrant medium to fine				
	5 B	6 1/2'	10:27	10:31	10:31	10:34	3 min

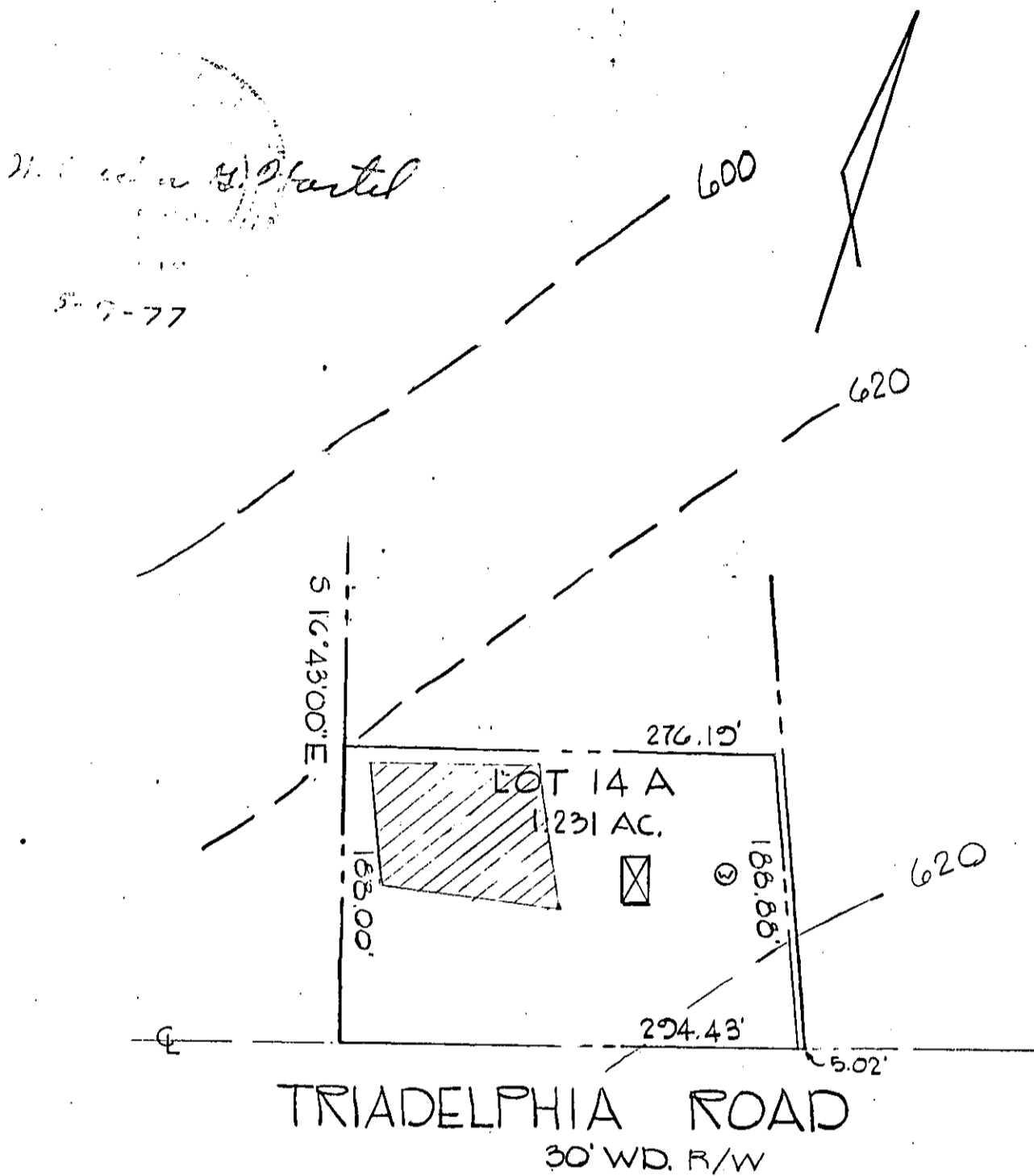
Soil  
M. W. }  
down

REMARKS Open field not staked

TYPE OF SOIL Loam section clay Rich, Jack Jr. shes

TESTED BY C. E. ... ALSO PRESENT: Fyorkes men

NOTE, THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.



NOTE: PERC TEST HOLES ARE FIELD LOCATED.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT  
*Joyce M. Boyd* 8.4.77  
 COUNTY HEALTH OFFICER DATE

TITLE PERCOLATION TEST PLAT LOT 14A				ENGINEERING PLANNING SURVEYING BY <b>BOENDER ASSOCIATES INC.</b> ELLICOTT CITY, MD. 21043 SALISBURY, MD. 21801 301-465-7777
PROJECT TRIADELPHIA FARMS SECTION II				
LOCATION THIRD ELECTION DISTRICT, HOWARD COUNTY, MD.				
DATE MAY 2 1977	DES. BY: --	DRAWN BY: JB	CHKD BY: JAB	
SCALE 1" = 100'	JOB NO.: 77102-1	DRWG. NO.: 1 OF 1		

**B 1** 0382  
 SEQUENCE NO. (WRA USE ONLY)  
 1 2 3 (SEQ. NO.) 6  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

**STATE OF MARYLAND**  
**WATER RESOURCES ADMINISTRATION**  
 TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401  
**APPLICATION FOR PERMIT TO DRILL WELL**

A 25854  
 WRA PERMIT NUMBER  
 40-23-2173  
 FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)  
 8/5/77  
 9:30 a.m.

**OWNER** Magnone Wm.  
 COL 15 LAST NAME COL 34 FIRST NAME  
**STREET OR RFD** 3620 Schuler Dr.  
 COL 36 COL 55  
**POST OFFICE** Elkridge City Md.  
 COL 57 COL 76

**B 1 CONTINUED DRILLER INFORMATION**  
 1 2 3 (SEQ. NO.) 6  
**DATE** 6/17/77 **LICENSE NUMBER** 42  
 77 80  
**FIRST NAME** L. F. Easterday **DRILLER** **LAST NAME**  
**SIGNATURE** L. F. Easterday

**B 3 LOCATION OF WELL**  
 1 2 3 (SEQ. NO.) 6  
**COUNTY** Howard (DO NOT ABBREVIATE COUNTY NAME) 21  
**SUBDIVISION** 23 42  
**SECTION** 44 46 **LOT** 48 50  
**NEAREST TOWN** Blensly 71  
**MILES FROM TOWN** (ENTER 0 IF IN TOWN) 1 MI 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) 600 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  NORTHWEST  SOUTHWEST  
 SOUTH  WEST  
**NEAR WHAT ROAD** Middlefield Rd.  
 11 30  
**ON WHICH SIDE OF ROAD** (CIRCLE APPROPRIATE BOX)  NORTH  SOUTH  EAST  WEST  
 N  S  E  W  
**DISTANCE FROM ROAD** (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 400 34 37 38 39

**APPROXIMATE DEPTH OF WELL** 150 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** 54 **ENGINEER REVIEW DISTRICT NO.** 63  
**FORCE** 67 **WRITE INITIALS IN BOX** **CONDITIONS** 68  
 A E N S G W Q C L U  
 70 71 72 73 74 75 76 77 78 79

**B 4 CONTINUED HEALTH DEPARTMENT APPROVAL**  
 1 2 3 (SEQ. NO.) 6  
**STATE HEALTH** (CIRCLE BOX) S  
**COUNTY NAME** Howard **COUNTY NO.** 102  
**MO. DAY YR.** 6 21 77  
**DATE** 6 21 77  
**APPROVED BY** Donald W. Monaghan, Sanitarian  
 43 48

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP.

**63 Pipe**  
**60 Open**  
**15 Back RAB**

**Sketch:** A hand-drawn sketch showing the well location relative to Middlefield Rd. and Blensly. A north arrow is present. The well is marked with an 'X' in a box.

**Box Number:** E 500, N 520

**Coordinates:** NORTH COORDINATE 50 51 52 53 54 55; EAST COORDINATE 57 58 59 60 61 62 63; ELEVATION AT WELL HEAD (FEET) 65 66 67 68

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

RECEIVED  
HOWARD COUNTY  
HEALTH DEPT.

IN 30 1 06 PM '77

DIVISION OF  
ENVIRONMENTAL  
HEALTH

C 1 0539 SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 5  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

DATE RECEIVED (WRA USE ONLY) 8/5/77 DEPTH OF WELL 120 PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-73-2173

DATE WELL COMPLETED 22 (TO NEAREST FOOT) 26 DRILLERS IDENTIFICATION NO. 42

OWNER MUS GROVE LAST NAME WILLIAM FIRST NAME STREET OR RFD 3620 SCHELL DR POST OFFICE ELLICOTT CITY, MD.

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	
TOP SOIL	0	2	
SHALE	2	10	
BROWN SLATE	10	55	
MICA	55	85	
BROWN SLATE	63	85	✓
MICA	85	120	✓

WELL DESCRIPTION

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES [X] NO [N]

TYPE OF GROUTING MATERIAL (CIRCLE BOX): CEMENT [CM] BENTONITE CLAY [BC]

NO. OF BAGS 15 NO. OF POUNDS 1200

GALLONS OF WATER 72

DEPTH OF GROUT SEAL (TO NEAREST FOOT) FROM 0 FT. TO 60 FT.

CASING RECORD

CASING TYPES: INSERT [S] [T] [C] [O] [P] [L] [O] [T]

APPROPRIATE CODE BELOW: [S] [T]

MAIN CASING TYPE [S] [T] NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 62

OTHER CASING (IF USED)

DIAMETER (INCH) DEPTH (FEET) FROM TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE: INSERT [S] [T] [B] [R] [H] [O] [P] [L] [O] [T]

APPROPRIATE CODE BELOW: [S] [T]

DEPTH (NEAREST WHOLE FOOT) FROM 140 TO 120

EACH SCREEN: 1 [H] [O] 2 3

SLOT SIZE 1, 2, 3

DIAMETER OF SCREEN 56 (NEAREST INCH) FROM TO

GRAVEL PACK

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68 [F]

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

TELESCOPE CASING 70 [ ] LOG INDICATOR 72 [ ] OTHER DATA AVAILABLE 74 [ ] 75 [ ] 76 [ ]

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 2

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 30

METHOD USED TO MEASURE PUMPING RATE BUCKET

WATER LEVEL: (DISTANCE FROM LAND SURFACE) BEFORE PUMPING 17 (NEAREST FOOT) 20 WHEN PUMPING 120 (NEAREST FOOT) 25

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) [A] [P] [T] [C] [R] [O] [J] [S]

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O) 29

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES [Y] NO [N]

CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT) [ ] ABOVE [ ] BELOW LAND SURFACE 49 50 51 (NEAREST FOOT)

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).

112-01 UAP 6407 LINE

100-117 Rd at

CIRCLE APPROPRIATE BOXES

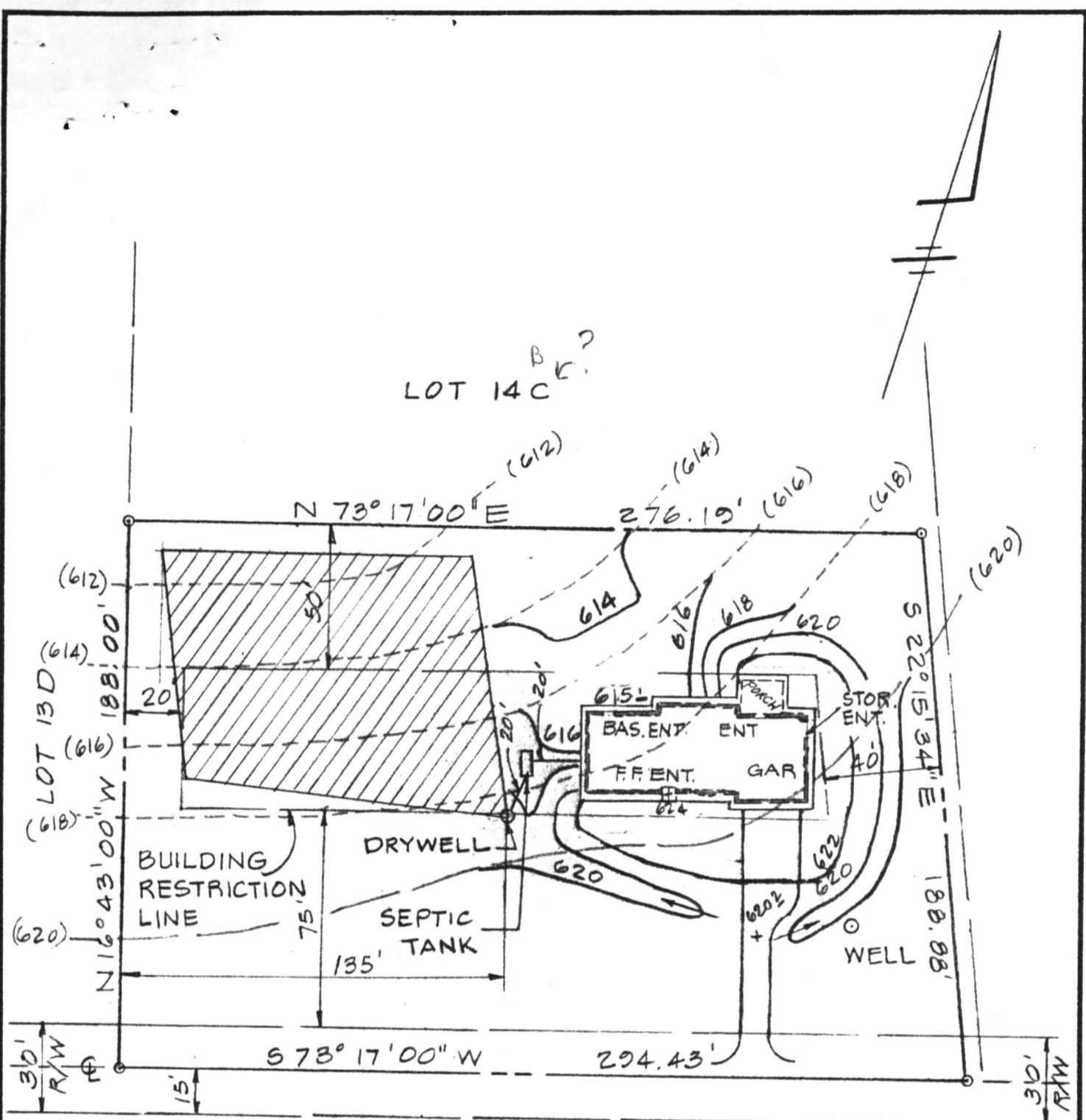
[A] A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

[E] ELECTRIC LOG OBTAINED

[P] TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT 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 (PLEASE PRINT) L. F. EASTERDAY SIGNATURE L. F. Easterday



## TRIADELPHIA ROAD

HOUSE :	SEPTIC TANK:	DRYWELL:	WELL:
F.F. : 624.6	EX. GR: 617.5	EX. GR: 618.5	EX. GR: 620.2
BAS : 615.6	FIN. GR: 617.0	FIN. GR: 618.5	FIN. GR: 620.2
GAR : 624.43'	INV. IN: <u>613.2</u>	INV. IN: 612.5	
PORCH : 624.43'	INV. OUT: 612.9		
INV. OUT: <u>613.6</u>			

*9/1/77 Hold invert too deep to dry well  
C.B.D.  
Rest of inverts too deep also.  
C.B.D.*

TITLE			
<h1>GRADING STUDY</h1>			
PROJECT			
LOT 14A TRIADELPHIA FARMS - SECTION II			
LOCATION			
THIRD ELECTION DISTRICT, HOWARD COUNTY, MD.			
DATE:	DESIGN BY:	DRAWN BY:	CHECKED BY:
AUG. 3, 1977	W.H.N.	W.H.N.	D.R.
SCALE:	JOB NO.:	DRAWING NO.:	
1" = 50'	77180	1 OF 1	
boender associates		engineers surveyors planners	