

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

P 38404

A 32444

DISTRICT 3rd

DATE 1/9/87

DATE SYSTEM APPROVED 1/14/87

INSPECTOR C. Smith

03-310221
INDEXED

Charles A. Klein & Sons, Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS 10514 Marriottsville Road, Randallstown, MD 21133 PHONE 992-4660

SUBDIVISION Triadelphia Woods ROAD 12520 Triadelphia Road LOT 12

PROPERTY OWNER Mr. & Mrs. Michael Hasty

ADDRESS

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22% 150

GARBAGE GRINDER? YES 1250 NO X

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 160 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet maximum 4 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Start the trench or place the distribution box at a point 80 feet from the back (310') lot line and 35 feet from the right (306') lot line as seen when facing the lot from Right-of-way. Run trench(s) on contour toward the left lot line.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY S. Abel DATE 10/27/86

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.

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(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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

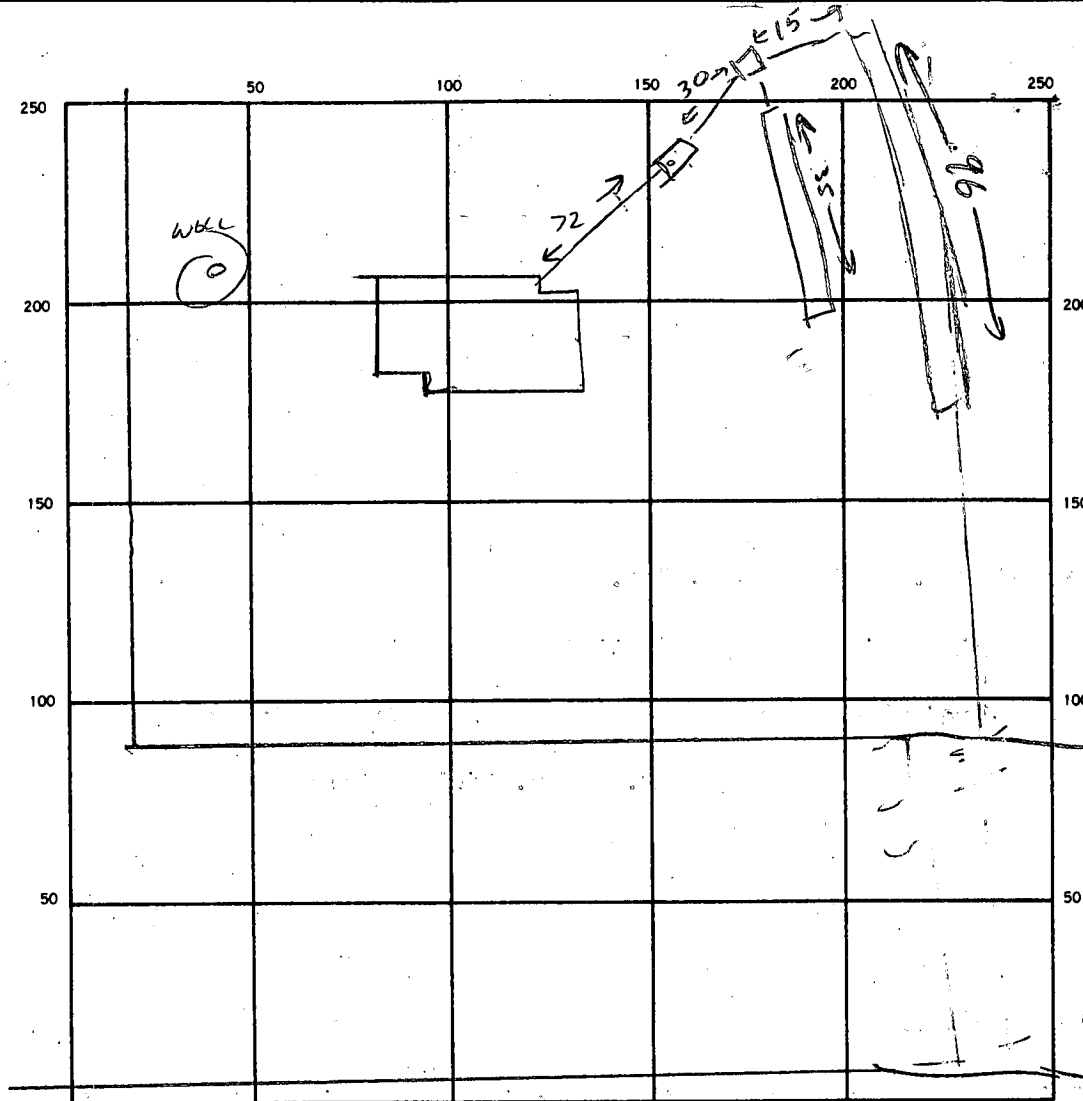
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A-32444



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.
TRIADOLPHIA RD

SEPTIC TANK. LEVEL ✓

CLEANOUTS ST-MANHOLE RING ✓

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 9 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 5 FT. TOTAL LENGTH 96+35=131 FT.

NUMBER OF TRENCHES 1 ONE-SIDEWALL/BOTTOM AREA 655 SQ. FT.

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 5 FT.

TOTAL ABSORBENT AREA 655 SQ. FT.

REMARKS 3/23/87 CONTRACTOR COULD NOT IDENTIFY PROPERTY LINES, NO TRENCHES DUG, C/W

4/10/87 TANK O.K. - MANHOLE CLEANOUT NEEDED.

4/13/87 OK TO COVER TANK & TRENCH, TRENCH SUFFICIENT FOR 3 BR ONLY
 32' MORE TRENCH REQ'D FOR 4 BR.

4/14/87 35' TRENCH ADDED - SUFFICIENT FOR 4 BR SYSTEM.

DATE SYSTEM APPROVED 4/14/87

INSPECTOR C. Williams

SUBDIVISION: Triadolphia WoodsLOT NUMBER: 12DRY WELL OR DRY WELL AND TRENCH

		<u>sq. ft./bedroom</u>
	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	
4 bedroom	1250 gallon	
5 bedroom	1500 gallon	

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES160 sq. ft./bedroomTrench to be 2 wide.Inlet ^{max.} 4 feet below original grade.Bottom maximum depth 9 feet below original grade.Effective area begins at 4 feet below original grade.5 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: START THE TRENCH OR PLACE THE DISTRIBUTION BOX AT A POINT 80 FT FROM THE BACK (310') LOT LINE AND 35 FT FROM THE RIGHT (306') LOT LINE AS SEEN WHEN FACING THE LOT FROM ROW. RUN TRENCH (S) ON CONTOUR TOWARD THE LEFT LOT LINE. 10/27/85
S. Amel

BLDG. PERMIT SIGNED

AND RETURNED 10-29-86

2/4/83
9-30

APPLICATION

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: 992-2330

A 32444

P _____

DISTRICT 3rd

DATE 1/31/83

INLET 4'
MAX, 9'

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 Michael M. Hasty & Deborah P. Hasty

ADDRESS 824 Glen Allen Dr Baltimore Md 21229 PHONE 624-1696

PROPERTY LOCATION:

SUBDIVISION Triadelphia Woods LOT NO. 5A (SHOULD BE PRESENT LOT 14)

ROAD AND DESCRIPTION 12520 Triadelphia Road 12

SIZE OF LOT 3 acres TYPE BLDG. Residential (4 bedrooms)
(NUMBER OF BEDROOMS)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Michael M. Hasty
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS C. Willman DATE 2-4-83

REASONS FOR REJECTION OR HOLDING NEED CERTIFIED HOLE LOCATIONS 2-4-83 C. Willman

PERMIT SIGNED

AND RETURNED 10-29-86

13.P. 8494

THIS IS NOT A PERMIT

SOIL PROFILE

0'

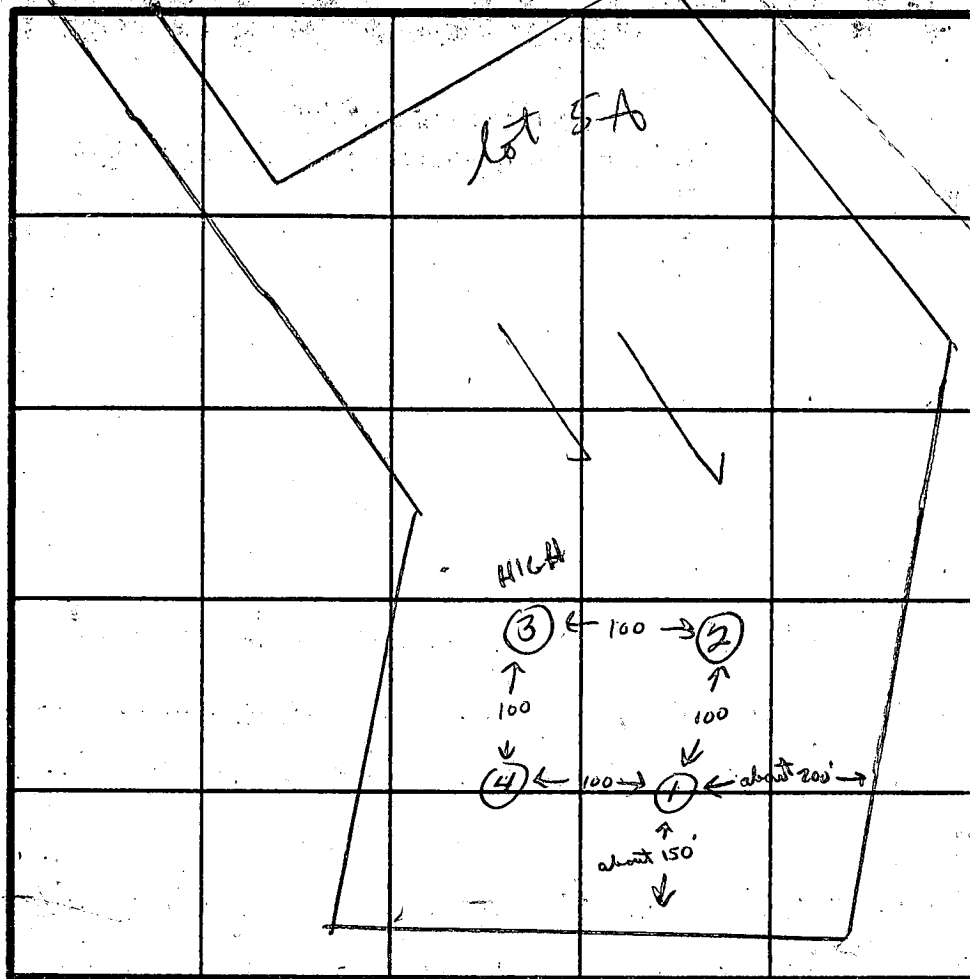
CLAY

3 1/2' —

MICA

LOAM

14



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-4-83	1	4'	11:32	11:33	11:33	11:35	2 min
		14'	V -	MICA	LOAM		
	2	4'	V -	MICA	LOAM		
		14'	V -	MICA	LOAM		
	3	4'	11:38	11:39	11:39	11:41	2 min
		14'	V	MICA	LOAM		
	4	4'	11:46	11:47	11:47	11:49	2 min
		14'	V	MICA	LOAM		

REMARKS

TYPE OF SOIL MICA LOAM BELOW 3 1/2' CLAY

TESTED BY

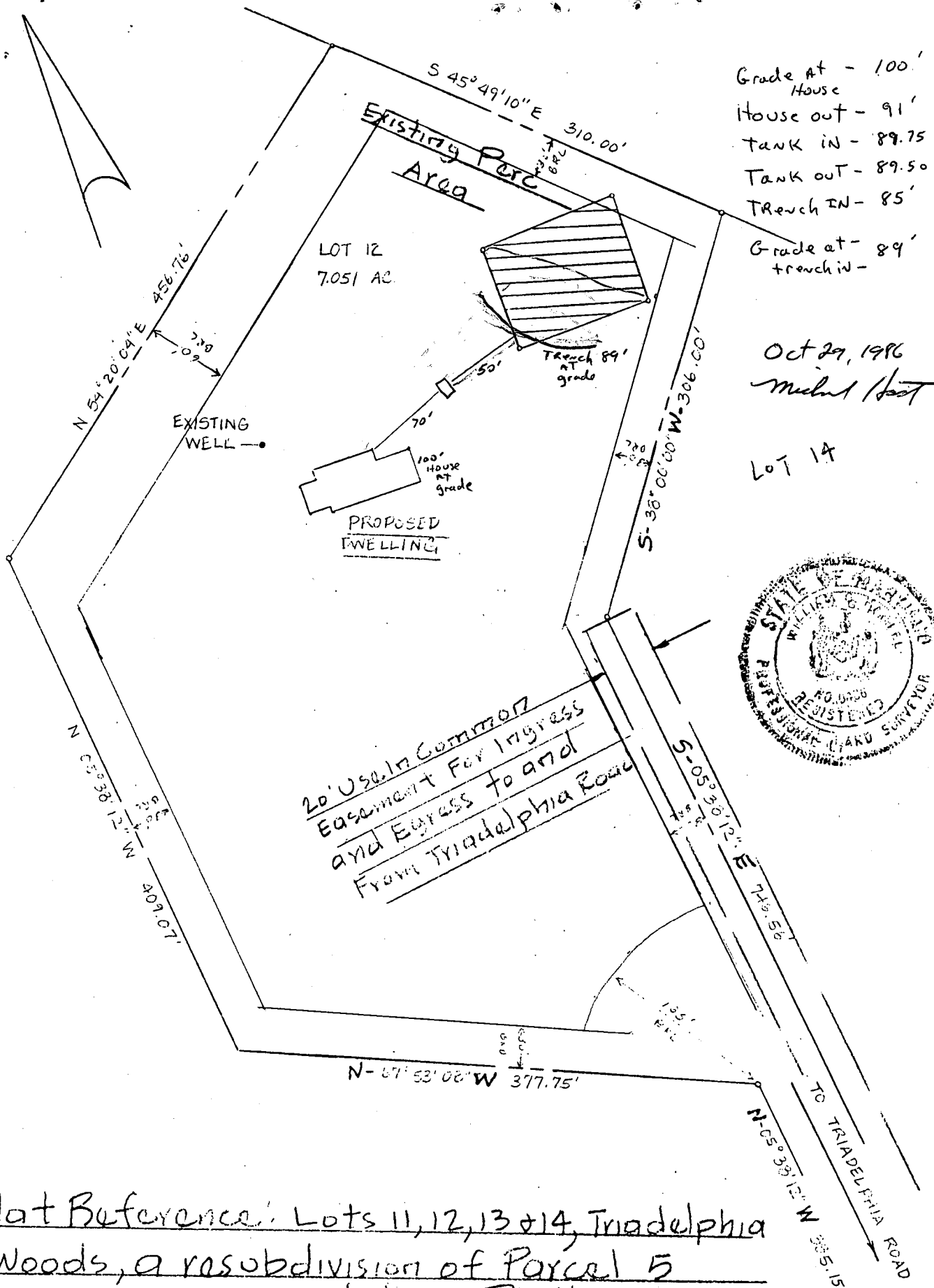
William

ALSO PRESENT

MIKE HASTY
LARRY HOWELL

EH-12-1079

There are no improvements on this lot except as shown hereon

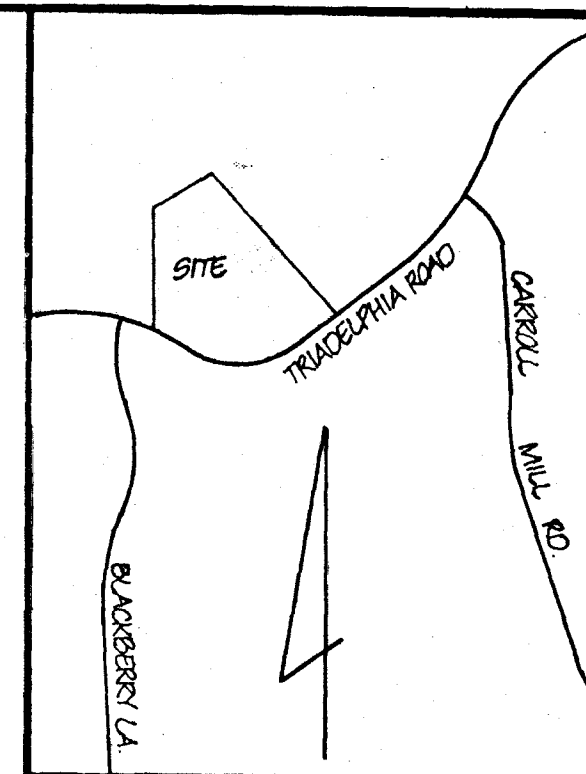
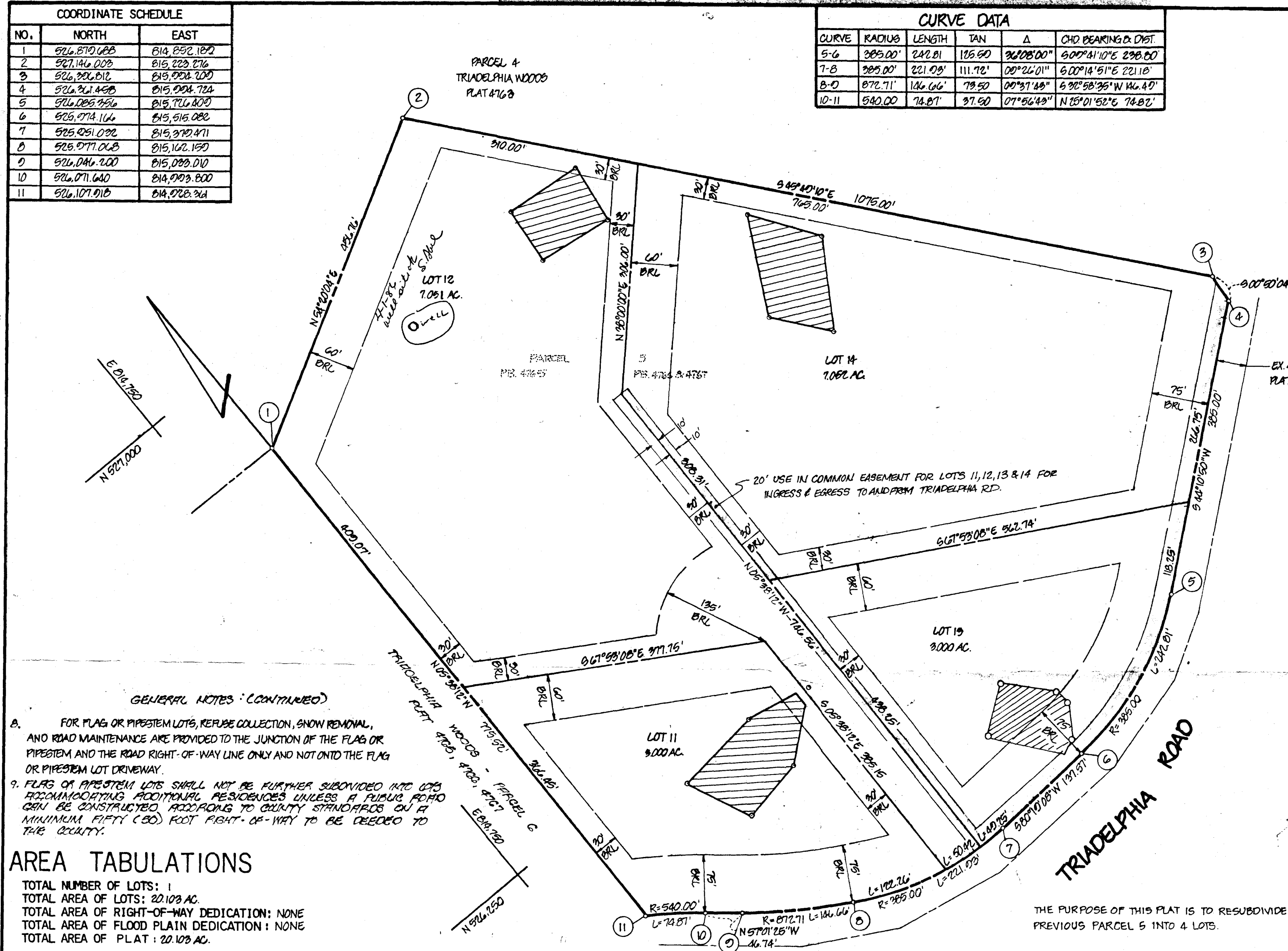


Plat Reference: Lots 11, 12, 13 & 14, Triadelphia Woods, a resubdivision of Parcel 5 recorded in Platbook 6286

TITLE LOCATION SURVEY					THIS IS TO CERTIFY THAT WE HAVE CONDUCTED A LOCATION SURVEY OF THE IMPROVEMENTS AND THAT THEY ARE LOCATED AS SHOWN HEREON. <i>William S. Harrel</i> SIGNATURE REG. NO. 9436 DATE 7-10-86	
PROJECT LOT 12- TRIADELPHIA WOODS						
LOCATION 3 RD ELECTION DISTRICT, HOWARD CO., MD.					boender associates inc. consulting engineers land surveyors land planners COURT HOUSE SQUARE • ELLICOTT CITY, MD. 21043 (301) 486-7777	
FIELD BOOK	PAGE NO.	DRAWN BY: M.A.	CHECKED BY <i>[Signature]</i>	DATE: JULY, 1986		
SCALE: 1" = 100'		JOB NO.: 8336				
THE INFORMATION ON THIS PLAT SHOWS ONLY THAT THE IMPROVEMENTS INDICATED HEREON ARE CONTAINED WITHIN THE CONFINES OF THE LOT UPON WHICH THEY ARE ERECTED. THIS PLAT IS NOT TO BE CONSTRUED AS, OR USED FOR THE ESTABLISHMENT OF PROPERTY LINES.						

COORDINATE SCHEDULE		
NO.	NORTH	EAST
1	526,870.488	814,892.182
2	527,146.008	815,223.276
3	526,906.812	815,008.200
4	526,941.468	815,004.724
5	526,085.956	815,776.800
6	525,074.166	815,515.082
7	525,425.022	815,370.471
8	525,977.068	815,102.150
9	526,046.200	815,083.010
10	526,071.640	814,993.800
11	526,107.918	814,928.361

CURVE DATA					
CURVE	RADIUS	LENGTH	TAN	Δ	CHD BEARING & DIST.
5-6	385.00'	242.81'	125.60'	36°08'00"	S 00°41'10"E 238.80'
7-8	385.00'	221.08'	111.72'	00°26'01"	S 00°14'51"E 221.18'
8-9	872.71'	146.66'	79.50'	00°37'48"	S 90°58'35"W 146.40'
10-11	540.00'	74.87'	37.50'	07°56'43"	N 15°01'52"E 74.82'



GENERAL NOTES

- TAX MAP: 22, PART OF PARCEL 528
- DEED REFERENCE: 1166/140
- COORDINATES SHOWN HEREON ARE BASED ON HOWARD COUNTY CONTROL STATIONS 9286005-R AND 9286004-R
- SUBJECT PROPERTY ZONED R, PER 10-3-77 COMPREHENSIVE ZONING PLAN.
- 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.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF APPROXIMATELY 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 SEWAGE IS AVAILABLE AND SERVICING ANY RESIDENTIAL STRUCTURES CONSTRUCTED ON THESE BUILDING SITES. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICE SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- ALL PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND ARE SHOWN THUS (o).

OWNER & DEVELOPER

TERRY GULBRANDSON & MIKE HASTY
800 GLEN ALLEN DRIVE 804 GLEN ALLEN DRIVE
BALD., MD. 21220 BALD., MD. 21220

AREA TABULATIONS

TOTAL NUMBER OF LOTS: 4
TOTAL AREA OF LOTS: 20.103 AC.
TOTAL AREA OF RIGHT-OF-WAY DEDICATION: NONE
TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
TOTAL AREA OF PLAT: 20.103 AC.

OWNERS STATEMENT

WE, TERZE GULBRANDSON, LORRAINE GULBRANDSON, MICHAEL MAURICE HASTY AND DEBORAH P. HASTY, OWNERS 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. ALL EASEMENTS OF RIGHT-OF-WAYS AFFECTING THE PROPERTY ARE INCLUDED IN THIS PLAN OF SUBDIVISION.

WITNESS MY/OUR HANDS THIS 10th DAY OF June 1985

WITNESS

WITNESS

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY CHARLES CARROLL III & ANNE PARKER CARROLL NULHOLLAND TO TERZE GULBRANDSON & LORRAINE GULBRANDSON, HIS WIFE AND MICHAEL MAURICE HASTY AND DEBORAH PATTERSON HASTY, HIS WIFE, BY DEED DATED JUNE 2, 1983 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 1166 AT FOLIO 140, SAID PARCEL ALSO BEING A RESUBDIVISION OF PARCEL 5, AS SHOWN ON PLAT OF SUBDIVISION ENTITLED TRIADELPHIA WOODS PARCELS 1 THRU 6 RECORDED AMONG THE AFORESAID LAND RECORDS IN PLATBOOK 4765, 4766 & 4767.

WILLIAM G. HARTEL, PLS. NO. 5436

DATE

RECORDED AS PLAT 6286 ON 7-24-85
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

LOTS 11, 12, 13 & 14
TRIADELPHIA WOODS
A RESUBDIVISION OF PARCEL 5
F-85-24

O.P.R. FILES: V.P. 8038

TAX MAP: 22

EX. ZONING: R

3RD ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE: 1" = 120'

DATE: JUNE, 1984

boender associates engineers
surveyors
planners
3905 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MARYLAND 21043
BALTIMORE 301-465-7777

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

Joyce M. Boyd M.O. 7-15-85
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas L. Hasty 7-23-85
PLANNING DIRECTOR DATE

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

Director 7-22-85
DIRECTOR DATE

B 1	<div style="border: 1px solid black; padding: 2px; display: inline-block;">1779</div>	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">MD-81-1250</div>
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		fill in this form completely		

Date Received

8 13

OWNER INFORMATION

LASTY MICHAEL

934 GLEN AILEEN DR

BALTIMORE MD 21225

DRILLER INFORMATION

Ralph Mayne

Ralph Mayne (Inn. Drillin)

9120 Rodina Church Rd. Mt. Airy

Ralph Mayne 3/6/86

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

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

APPROXIMATE DEPTH OF WELL 150 FEET

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

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 DEEPMEN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE 5A WRITE INITIALS IN BOX PERMIT No. MD-81-1250

SPECIAL CONDITIONS

B 3

LOCATION OF WELL

HANCOCK

TRINITY/PHILADELPHIA

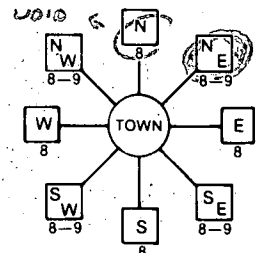
SECTION 44 46 LOT 12

CLEVELAND

MILES FROM TOWN (enter 0 if in town) 3 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



TRINELPHIA RD.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 1000

ENTER FT or MI

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME COUNTY NO.
 OEP SIGNATURE STATE HEALTH INSERT S
 DATE ISSUED EXP. DATE
 NORTH GRID 526000 EAST GRID 081400

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

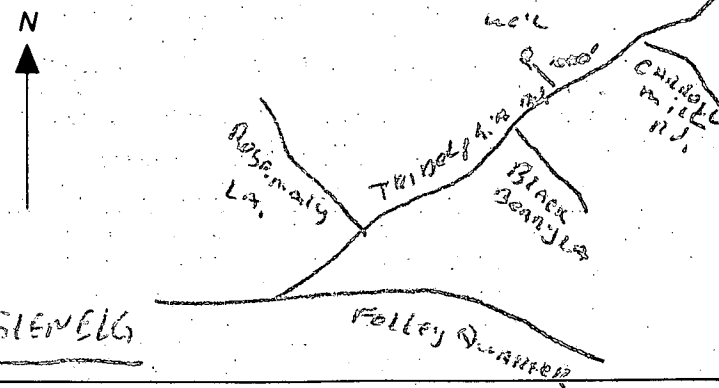
SOURCES OF DRILLING WATER

- well
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

5260

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

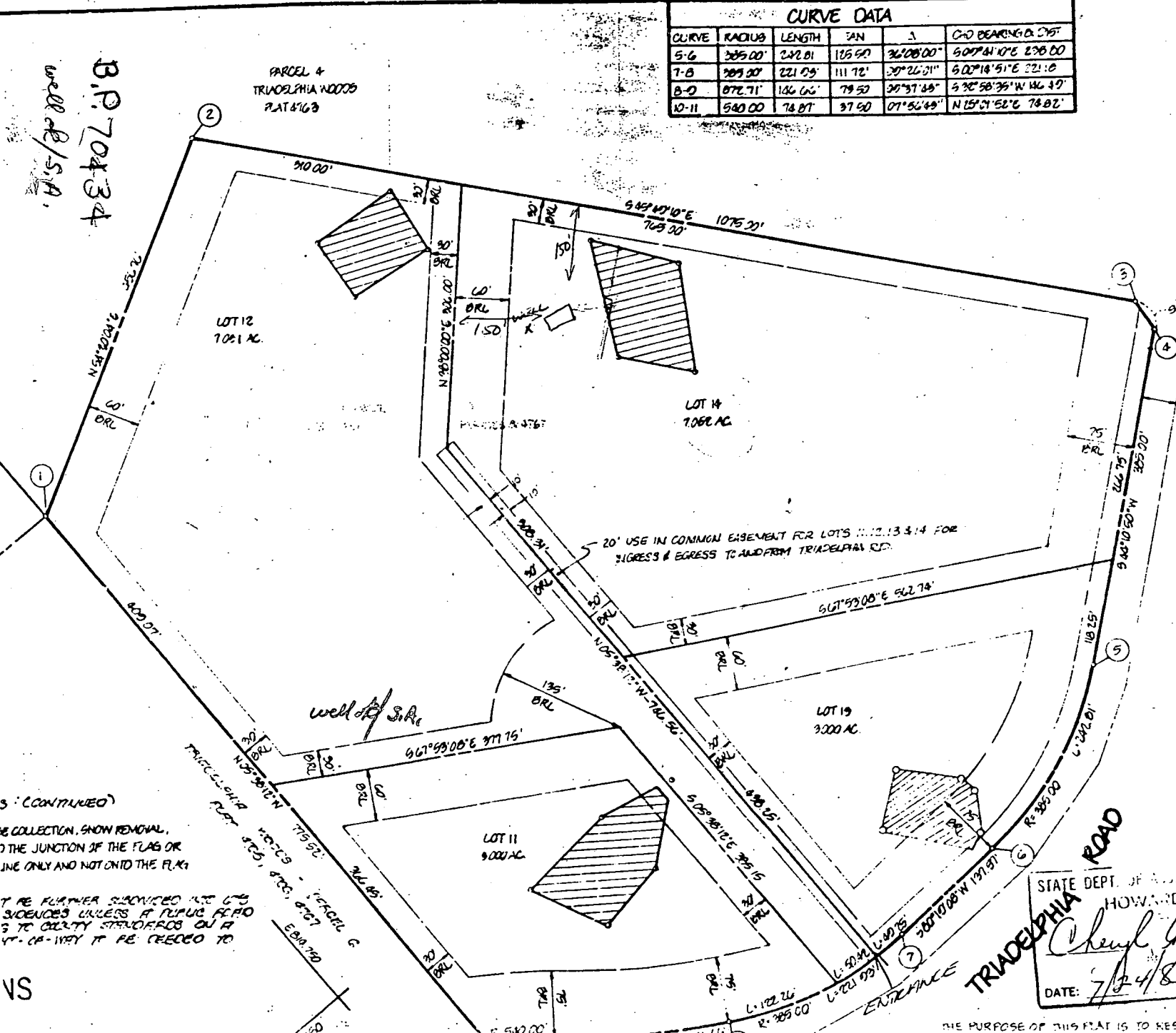


DIST. BOX INV. OUT = 97.1
INV. IN = 97.0

PROP. F.F. ELEV = 107.7
PROP. BSMT ELEV = 98.7
SEPTIC INV. FROM HSE. EL = 98.1
SEPTIC TANK INV. IN = 97.45
INV. OUT = 97.6

6/2/86
Culberson

CURVE DATA					
CURVE	RADIUS	LENGTH	TAN	Δ	CHD BEARING & DIST
5-6	365.00'	242.01'	105.50'	36°08'00"	500°14'10"E 296.00'
7-8	309.00'	221.59'	111.72'	30°26'31"	502°18'51"E 221.00'
8-9	872.71'	126.66'	79.50'	30°37'33"	530°58'35"W 126.40'
10-11	540.00'	74.87'	37.50'	07°56'49"	N 15°01'52"E 74.82'



FILED JUL 24 19

EX 40' 1/2 R/W RECORDED IN
PLAT C.M.

GEI

1. TAX MAP: 22
2. DEED REFERENCE
3. COORDINATES SH CONTROL STATIONS 92
4. SUBJECT PROPE COMPREHENSIVE
5. THE LOTS SHOW OWNERSHIP W/OT THE MARYLAND MENTAL HYGIENE
6. THIS AREA AS REQUIRED BY HEALTH AND MEA DISPOSAL IMPRO AREA ARE RESTI AVAILABLE AND S CONSTRUCTED ON SHALL BECOME IN PUBLIC SEWAGE S THE AUTHORITY TO S PRIVATE SEWAGE EASEMENT SHALL N
7. ALL PERCOLATION TE LOCATED AND ARE S

STATE DEPT. OF
HOWARD
Cheyl J. Lopez
DATE: 7/24/85

THE PURPOSE OF THIS PLAT IS TO RESUBDIVIDE

OWNE

3: (CONTINUED)
8 COLLECTION, SNOW REMOVAL,
9 THE JUNCTION OF THE FLAG OR
LINE ONLY AND NOT ONTO THE FLAG
7 RE FURTHER SPECIFIED RE C-4
SIDINGS UNLESS A TUPIC REFO
3 TO C-4 CITY STANDARDS ON A
4T- C-4-WAY IT BE CEECED TO

VS

Review

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-1398
Location of property (road) TRIADOLPHIA Rd.
Subdivision TRIADOLPHIA WOODS Lot 12 Block _____ Plat _____ Sec. _____
Well Driller R. MAYNE Owner MICHAEL HASTY

Depth of well _____
Distance of measuring point (M.P.) above ground _____
Static water level (S.W.L.) below M.P. _____

High rate pumping -- reservoir drawdown

Time pump started _____ Pumping rate _____

Total time _____ to reach pumping water level _____ ft. below M.P.

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

[illegible]

C100454

SEQUENCE NO.
(OEP USE ONLY)

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

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

COUNTY
NUMBERA

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

050186

2224526
(TO NEAREST FOOT)

FROM "PERMIT TO DRILL WELL"
40-81-1398

OWNER

STREET OR RFD

SUBDIVISION

SECTION

TOWN

LOT

last name

first name

WELL LOG		
Not required for driven wells		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		
DESCRIPTION (Use additional sheets if needed)	FEET	Check if water bearing
	FROM	TO
top soil	0	2
sandy	2	60
sand stone	60	65
Micka	65	80
sand stone	80	85
Micka	85	150
sand stone	150	155
Micka	155	245

GROUTING RECORD

WELL HAS BEEN GROUTED

TYPE OF GROUTING MATERIAL

CEMENT

BENTONITE CLAY

NO. OF BAGS

NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from

ft. to

ft.

CASING RECORD

casing types insert appropriate code below

STEEL

CONCRETE

PLASTIC

OTHER

MAIN CASING TYPE

Nominal diameter top (main) casing (nearest inch)

Total depth of main casing (nearest foot)

PL

6

70

OTHER CASING (if used)

diameter inch

depth (feet) from to

SCREEN RECORD

screen type or open hole insert appropriate code below

STEEL

BRASS

BRONZE

PLASTIC

OPEN HOLE

OTHER

DEPTH (nearest ft.)

140

68

245

EACH SCREEN

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN

(NEAREST INCH)

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 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO.

DRILLERS SIGNATURE

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

GRAVEL PACK

IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

T

(E.R.O.S.)

WG

70

72

74

75

76

TELESCOPE CASING

LOG INDICATOR

OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min. to nearest gal.)

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

A air

P piston

T turbine

C centrifugal

R rotary

O other (describe below)

J jet

S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

TYPE OF PUMP INSTALLED

PLACE (A,C,J,P,R,S,T,O)

IN BOX - SEE ABOVE:

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

above

below

LAND SURFACE

(nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

Diagram showing well location on a lot with distances to a house and a road.

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-1398
Location of property (road) TRIADOLPHIA Rd.
Subdivision TRIADOLPHIA WOODS Lot 12 Block Plat Sec.
Well Driller R. MAYNE Owner MICHAEL HASTY

Depth of well 245
Distance of measuring point (M.P.) above ground 38 ft
Static water level (S.W.L.) below M.P. 33 ft

∴ High rate pumping -- reservoir drawdown

Time pump started 9:40 Pumping rate 9.6 P.M
Total time 20 min to reach pumping water level 60 ft. below M.P.

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

[illegible]

70 ft + PL 55X Open 15 bags

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

PUMP INSTALLATION

THE FOLLOWING STATEMENT MUST BE COMPLETED BY THE HOME OWNER
WHEN A PUMP IS INSTALLED BY A PERSON OTHER THAN THE WELL
DRILLER:

My well driller is not to install the pump for my water well, and I
hereby certify that it will be my responsibility to have a Pump Permit
taken out by a registered master plumber or certified pump installer.
It will be my responsibility to notify the Health Department before
and during the installation so that inspections can be made by their
representative. (Pursuant to Chapter XVII, of the Plumbing Code of
Howard County.)

Michael Hasty

(Name)

*824 Glen Allen Dr.
Balt Md. 21229*

(Address)

HC 811398

(OEP Well Permit Number)

3/6/86

(Date)

PH- 1-236-3937

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

New Installation ✓
Replacement _____

Receipt # 38402
Date 1/7/82

Name of Installer Charles A Klein & Sons Inc.

Telephone 922-4660

License number 1693

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber ✓

Name of Property Owner Michael & Deborah Hasty Telephone 624-1696

Subdivision _____ Lot # _____ Well tag # _____

Site Address 12520 Triadelphia Rd.

Pump

1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible ✓

2. Make McDonald

3. Model # _____

4. Capacity _____ GPM

5. Pump exceeds well capacity Yes _____ No ✓

6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards ✓ Other _____

Motor

1. Horsepower 1/2

2. RPM 1700

3. Voltage _____

a. 110 _____

b. 220 ✓

Pitless Adapter

1. Make Harvard

2. Model # B-10

3. Depth 36-40"

Tank

1. Capacity Charbon Mark #9

2. Pressure relief valve? Yes

Piping

1. Type Plastic

2. Size 1"

3. NSF and/or BOCA

Code approved Yes

4. Depth of supply

line 36" to 40"

Well data

1. Depth _____ ft.

2. Yield _____ GPM

3. Static water

level _____ ft.

4. Will water supply

be disinfected by

installer? Yes

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Charles A Klein Jr.

Date: 1/7/82

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.