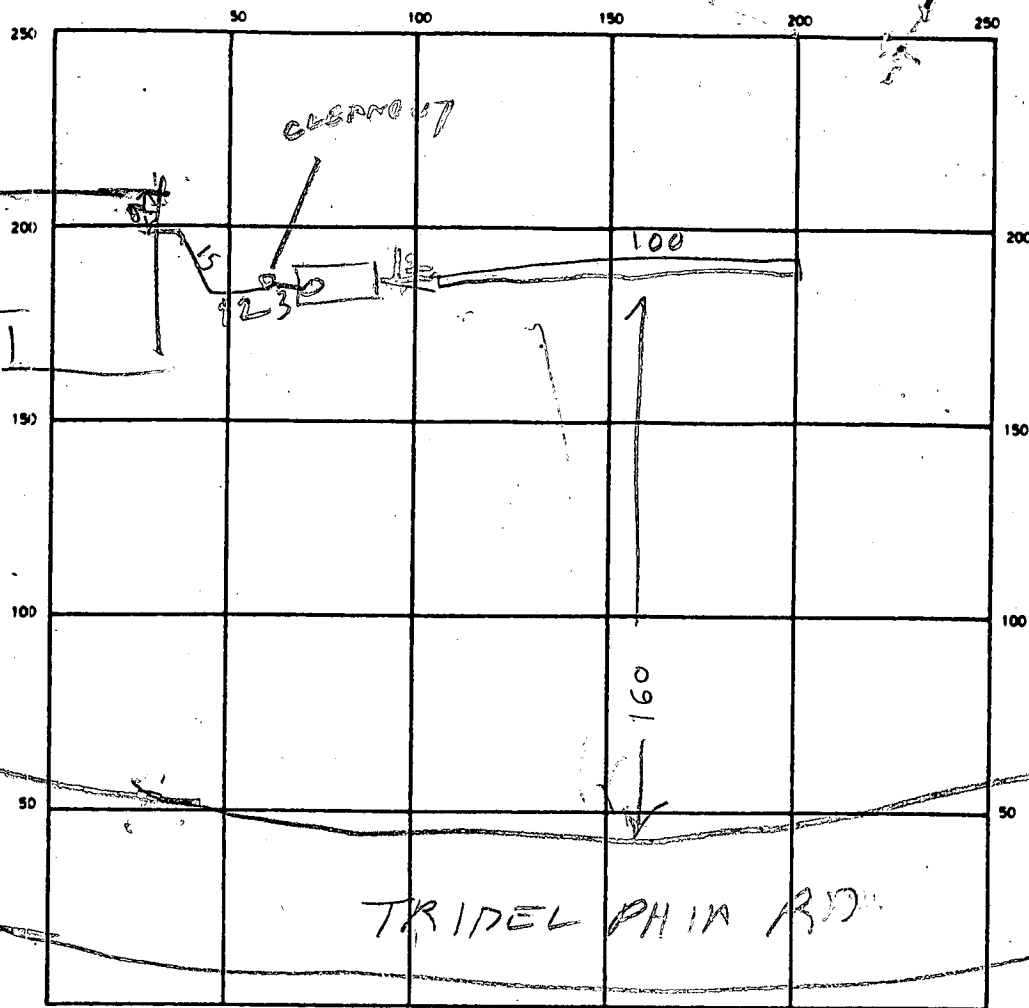


32446 A



SOIL PROFILE

TRENCH

SAND
MILK
LOAM

SEPTIC TANK LEVEL OK 1500

CLEANOUTS

ST/HOUSE SEWER
OK/OK

DISTRIBUTION BOX LEVEL

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

EFFECTIVE GRAVEL DEPTH 9 FT. TOTAL LENGTH 186 FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL/BOTTOM AREA 742 SQ FT. (660 REQUIRED)

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 7/12/89 TRENCH OK ADD STONE TO TRENCH & CALL
LEFT STICKER ON TANK RH 7/17/89 SOME STONE
ADDED TO TRENCH HOUSEHOLDERS STARTED REPLACE TANK
PAPER WITH RED POSITIVE PAPER RH 7/21/89 - OK TO
CHANGE INLET TO 2 FT (SEE SOIL PROFILE) 7 FT
STONE OK TO COVER TANK FINISH JOB & CALL RH

7/23/89 TRENCH FINISHED

DATE SYSTEM APPROVED 7/25/89

INSPECTOR Raymond Hodge

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 32446

P _____

DISTRICT 3 RD

DATE 1/31/83

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 Terje Gulbrandsen Elizabeth Bates

ADDRESS 829 Glen Allen Dr. PHONE 945-9124
Ba Ho. Md. 21229

PROPERTY LOCATION:

SUBDIVISION Triadelphia Woods LOT NO. 5C
12530

ROAD AND DESCRIPTION Triadelphia Road

SIZE OF LOT 10 Acres TYPE BLDG. Residential (4 bedr.)
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

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

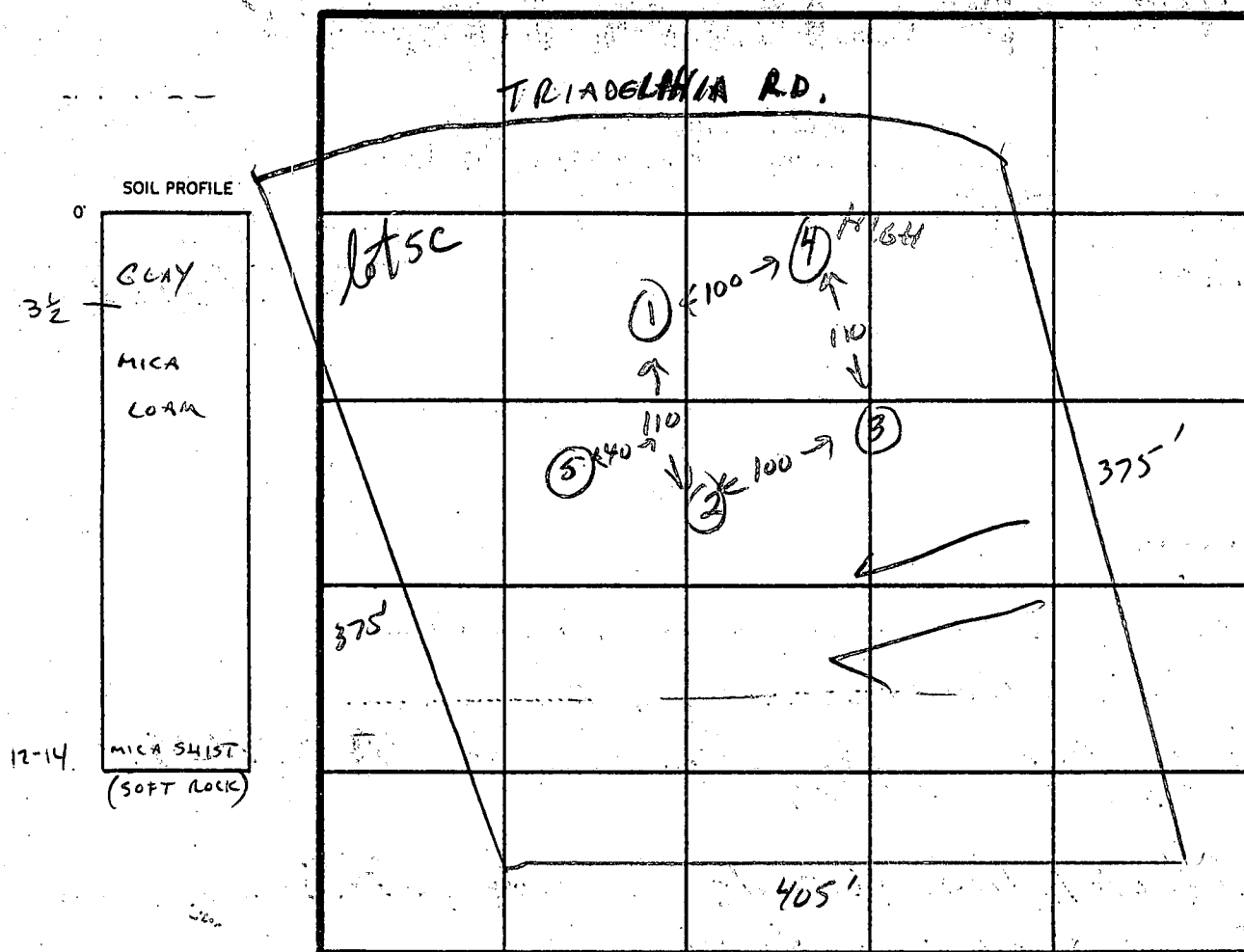
REASONS FOR REJECTION OR HOLDING NEED CERTIFIED HOLE LOCATIONS 2-4-83 C. Williams

BUDG. PERMIT SIGNED

AND RETURNED 10/24/88

Serial # 21982 - SFV

THIS IS NOT A PERMIT



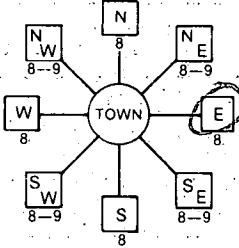
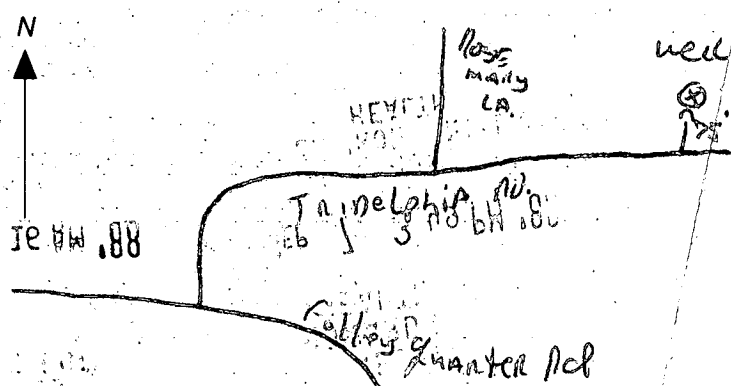
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-4-83	1	4	V. - MICA LOAM OK				
		14					
2-4-83	2	4	1:59	2:01	2:01	2:04	3 min
		14					
2-4-83	3	4	2:13	2:14	2:14	2:16	2 min
		14					
2-4-83	4	4	1:45	1:46	1:46	1:48	2 min
		14					
2-4-83	5	4	V. - MICA LOAM				
		12	MICA SHIST - VISUALLY TOO FAST				

REMARKS: CAN MOVE SYSTEM DOWNHILL TOWARD HOLE 5 IF NO DEEPER THAN 8'

TYPE OF SOIL: CLAY TO 3 1/2' THEN MICA LOAM LOW ELEVATION CHANGE TO SHIST 14'-12'

TESTED BY C. Williams ALSO PRESENT MIKE NASTY
GARRY HOWELL

B 1 3509 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (DP. USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type.	STATE PERMIT NUMBER HO-88-0209 <small>fill in this form completely</small>
Date Received (APA) 092188		B 3 LOCATION OF WELL	
OWNER INFORMATION Owner: HASTY MICHAEL Street or RFD: 12520 TRINDELPHIA RD Town: ELLICOTT CITY MD 21043		8 COUNTY: HOWARD 23 SUBDIVISION: TRINDELPHIA WOODS SECTION: --- LOT: 11 52 NEAREST TOWN: GREENBELT MILES FROM TOWN (enter 0 if in town): 2 MI	
DRILLER INFORMATION Driller's Name: Ralph Mayne Firm Name: Ralph Mayne Well Drilling Address: 9120 Brown Church Rd. Mt Airy Signature: <i>Ralph Mayne</i> Date: 8/31/88		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.): 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500		NEAR WHAT ROAD: TRINDELPHIA Rd. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): NORTH <input checked="" type="radio"/> WEST <input type="radio"/> EAST <input type="radio"/> SOUTH <input type="radio"/> DISTANCE FROM ROAD: 25 FT or MI FT	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="radio"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="radio"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME: HOWARD COUNTY NO.: A-32446 STATE SIGNATURE: _____ DATE ISSUED: 100388 NORTH GRID: 526000 EAST GRID: 0814000	
APPROXIMATE DEPTH OF WELL: 150 FEET APPROXIMATE DIAMETER OF WELL: 6" NEAREST INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER: 1. well 2. 48' casing 3. 45' open WRITE THE BOX NUMBER FROM THE MAP HERE: E 810 4 N 520 6	
METHOD OF DRILLING (circle one) BORED (or Augered) <input checked="" type="radio"/> JETTED <input type="radio"/> Jetted & DRIVEN <input type="radio"/> AIR-ROTARY <input checked="" type="radio"/> AIR-PERCussion <input type="radio"/> ROTARY (Hydraulic Rotary) <input type="radio"/> CABLE <input type="radio"/> REVERSE-ROTARY <input type="radio"/> DRIVE-POINT <input type="radio"/> other: _____		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="radio"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE): _____		Not to be filled in by driller. (OEP USE ONLY) APPROX. PERMIT NUMBER: _____ FORCE: <input checked="" type="radio"/> WRITE INITIALS IN BOX: HO-88-0208 SPECIAL CONDITIONS: 998-9680	

C1	0549	SEQUENCE NO. (DENV 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.
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		COUNTY NUMBER A# 32446		

DATE Received	DATE WELL COMPLETED	Depth of Well	PERMIT NO.
<input type="text"/>	092400	22 265 26 (TO NEAREST FOOT)	FROM "PERMIT TO DRILL WELL" HO-88-0209

OWNER	KRISTY MICHAEL		
STREET OR RFD	last name TRIPLEHIA RD.	first name	TOWN GLENELG
SUBDIVISION	TRIPLEHIA WOODS SECTION		LOT 11

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	
T, Soil	0	2	
Sandy	2	35	
Sandstone	35	40	
MICKA	40	55	
Sandstone	55	60	
MICKA	60	245	

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL

CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **45 46 12** NO. OF POUNDS **45 46 60**

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from **0** ft. to **45** ft.

CASING RECORD

casing types insert appropriate code below

ST **CO**
STEEL CONCRETE

PL **OT**
PLASTIC OTHER

MAIN CASING TYPE **ST**

Nominal diameter top (main) casing (nearest inch) **6**

Total depth of main casing (nearest foot) **48**

OTHER CASING (if used)

diameter inch **6** depth (feet) from **0** to **48**

SCREEN RECORD

screen type or open hole insert appropriate code below

ST **BR** **HO**
STEEL BRASS OPEN HOLE

PL **OT**
PLASTIC OTHER

C2

DEPTH (nearest ft.)

HO **48** **245**

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. **273**

Math Wayne

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

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

SLOT SIZE 1 **2** 3

DIAMETER OF SCREEN **6** (NEAREST INCH)

GRAVEL PACK

IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

T **70** (E.R.O.S.) **72** WQ **74 75 76**

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

1 2

PUMPING TEST

HOURS PUMPED (nearest hour) **2**

PUMPING RATE (gal. per min. to nearest gal.) **4**

METHOD USED TO MEASURE PUMPING RATE **Bucket**

WATER LEVEL (distance from land surface)

BEFORE PUMPING **55**

WHEN PUMPING **25**

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**

(CIRCLE) (YES or 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: **29**

CAPACITY: GALLONS PER MINUTE (to nearest gallon) **31** **35**

PUMP HORSE POWER **37** **41**

PUMP COLUMN LENGTH (nearest ft.) **43** **47**

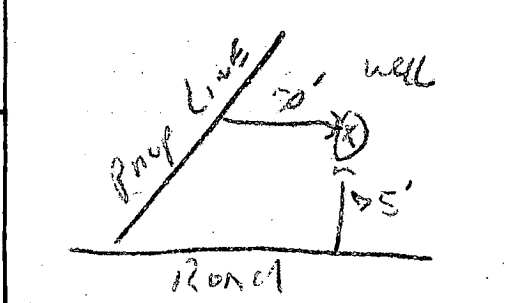
CASING HEIGHT (circle appropriate box and enter casing height)

+ above **LAND SURFACE** **54** (nearest foot)

- below **50** **51**

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)



COUNTY

Well Permit No. HO - 88-0209
Location of property (road) TRIADELPHIA RD.
Subdivision TRIADELPHIA WOODS Lot 11 Block - Plat - Sec. -
Well Driller P. MAYNE Owner M. HASTY

HD-224

$7^{\circ}53'08''E$ 377.75'

3 bedroom House

LOT 11
3.000 AC.

INV. Elev. Septic tank (into) 93.8
INV. Elev. Septic tank (out) 93.5

INV elev. (into)
Dist Box 96.5

Exist Elev at House 100
INV. Elev. (out)
house 95

FF Elevation 101
BE Elevation 92

Septic tank
10' from house

Trench length
to be determined
At time of septic
Permit

Well
Elevation
110

R=540.00'

$\Delta=74.81'$

10

R=872.71 L=146.66'
N57°01'25"W

9

ADJUSTMENT TO
SEPTIC AREA
ACCEPTED
10/24/88
CW

8

L=122.26'

R=385.00'

L=221.93'

LOT 19
3.000 AC.

N 74° 56' 56"

30' ERL

S 25° 38' 12" E 335.15'

30' ERL

438.25'

L=50.42'

OWNER: POLARIS DEVELOPMENT CORPORATION
3414 MORNINGWOOD DRIVE, SUITE 1
OLNEY, MD 20832
301-774-8082

DRAWING SCALE: 1"=60'

LOT INFORMATION: 1235 CROWS FOOT ROAD
WOODSTOCK, MD 21163
LOT: 19 PARCEL: 139 SECTION: 1
SUBDIVISION: MEADOWOOD ZONE: R
ELECTION DIS: 3 TAX MAPS: 10
CENSUS TRACK: 6030

ELEVATIONS

1-Basement elevation:-----	532.50 Ft.✓
2-First floor elevation:-----	541.50 Ft.✓
3-Invert out of house:-----	537.82 Ft.✓
4-Invert into septic tank:-----	537.61 Ft.✓
5-Invert out of septic tank:-----	537.31 Ft.✓
6-Invert into trench:-----	537.00 Ft.✓
7-Existing grade at septic tank:--	540.21 Ft.✓
8-Existing grade at start piont---	540.50 Ft.✓
9-Elevation of well at grade:-----	545.50 Ft.✓

BSMT

DISTANCE FROM HOUSE TO TANK:	20.00 Ft.✓
DISTANCE FROM TANK TO S.P. :	15.00 Ft.✓
INVERT AT START PIONT :	3.50 Ft.✓

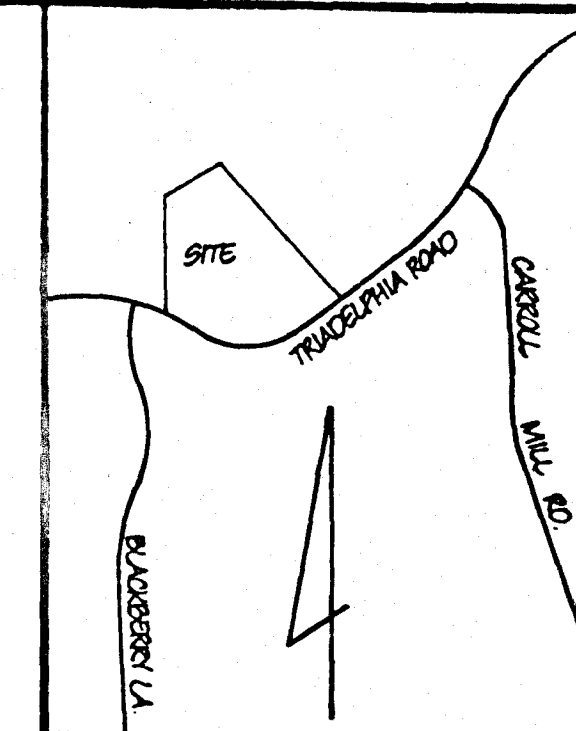
BUILDER: POLARIS DEVELOPMENT CORP.
3414 MORNINGWOOD DRIVE
SUITE 1
OLNEY, MD 20832
LICENSE: 2558
PHONE: 301-774-8082

REG. PERMIT. SIGNED
AND RETURNED 4-21-85

BP24991
8A

COORDINATE SCHEDULE		
NO.	NORTH	EAST
1	576,570.663	814,852.187
2	576,146.003	815,228.576
3	576,226.612	815,778.107
4	576,241.458	815,994.764
5	576,085.956	815,776.800
6	575,074.166	815,515.082
7	575,051.092	815,379.471
8	575,071.068	815,142.157
9	576,046.200	815,099.010
10	576,071.640	814,973.800
11	576,107.916	814,976.914

CURVE DATA					
CURVE	RADIUS	LENGTH	TAN	Δ	CHD BEARING & DIST.
5-6	385.00'	242.81	116.90	36°08'00"	S 60°21'10"E 236.00
7-8	385.00'	221.08	111.72	00°26'01"	E 00°14'51"E 221.10
8-9	872.71'	186.06	79.50	00°31'45"	S 90°58'35"W 146.40
10-11	540.00'	74.87	37.60	07°56'45"	N 75°01'52"E 74.82



VICINITY MAP
SCALE: 1"=1200'

GENERAL NOTES

- TAX MAP: 22, PART OF PARCEL 528
- DEED REFERENCE: 1164/140
- 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
880 GLEN ALLEN DRIVE 880 GLEN ALLEN DRIVE
BALD, MD. 21220 BALD, MD. 21220

GENERAL NOTES (CONTINUED)

- FOR FLAG OR PIPESTEAM LOTS, REFUSE COLLECTION, SNOW REMOVAL, AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEAM AND THE ROAD RIGHT-OF-WAY LINE ONLY AND NOT ONTO THE FLAG OR PIPESTEAM LOT DRIVEWAY.
- FLAG OR PIPESTEAM LOTS SHALL NOT BE FURTHER SUBDIVIDED AND NOT ACCOMMODATING ADDITIONAL RESIDENCES UNLESS A PUBLIC ROAD CAN BE CONSTRUCTED ACCORDING TO COUNTY STANDARDS OR A MINIMUM FIFTY (50) FOOT RIGHT-OF-WAY TO BE DEEDED TO THE COUNTY.

AREA TABULATIONS

TOTAL NUMBER OF LOTS: 1
TOTAL AREA OF LOTS: 22.103 AC.
TOTAL AREA OF RIGHT-OF-WAY DEDICATION: NONE
TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
TOTAL AREA OF PLAT: 22.103 AC.

OWNERS STATEMENT

WE, TERRY GULBRANDSON, TERRY GULBRANDSON, MICHAEL MAURICE HASTY AND DEBORAH RHASTY, 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 1984

WITNESS
Terry Gulbranson, Mike Hasty, Deborah Rhasty, Michael Maurice Hasty

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 & CLANNE PARKER CARROLL MCKHOLLAND TO TERRY GULBRANDSON & LOUISE GULBRANDSON, HIS WIFE AND MICHAEL MAURICE HASTY AND DEBORAH RHASTY, 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, P.L.S. NO. 3436
DATE: 7-17-84

RECORDED AS PLAT 6286 ON 7-27-85
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

LOTS 11, 12, 13 & 14
TRIADELPHIA WOODS
A RESUBDIVISION OF PARCEL 5

O.P.Z. FILES: VP-8836
TAX MAP: 22
3RD ELECTION DISTRICT
SCALE: 1"=100'
EX ZONING: R
HOWARD COUNTY, MARYLAND
DATE: JUNE, 1984

boender associates engineers/surveyors/planners
3515 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MARYLAND 21043
BALTIMORE 301-488-7777

F-85-24

09036