

2-13-87  
ASAP

APPROVED  
2/13/87  
RH  
P 38307

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

DISTRICT 3rd

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

DATE 12/9/86

DATE SYSTEM APPROVED \_\_\_\_\_

INSPECTOR \_\_\_\_\_

INDEXED

Dave Hopkins IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland PHONE 831-7257

SUBDIVISION Mathis Property ROAD 12470 Barnard Way LOT 8

PROPERTY OWNER Gary Barnard

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

TRENCHES - 158 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 210 feet from the front (193.93') lot line and 100 feet from the right (665.43') lot line as seen when facing the lot from Barnard Way. Run trenches on contour toward the back of lot.

NOTE - No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. okw

PLANS APPROVED BY S. Abel DATE 2/10/86

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES).

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.

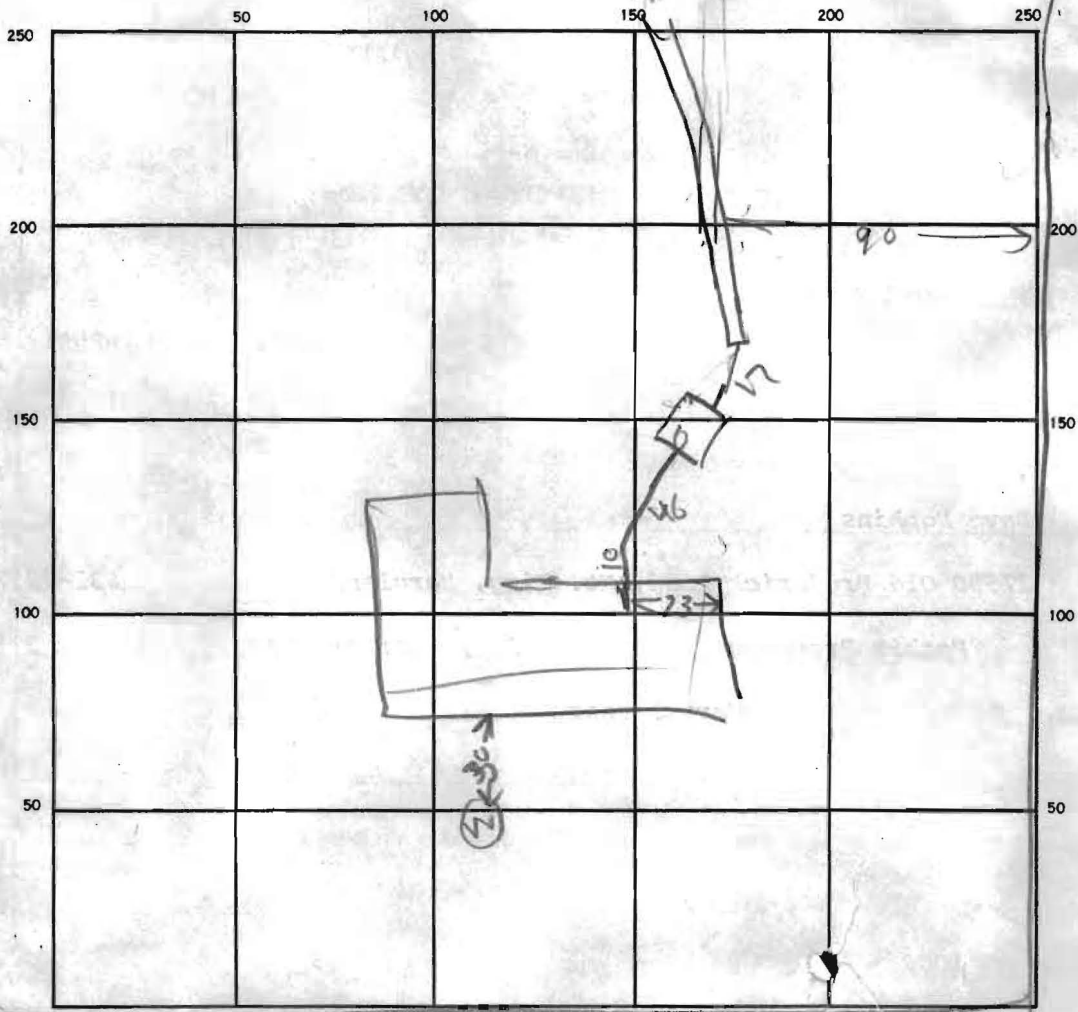
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 54959



INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE.  
 BARNKROFT WAY

SEPTIC TANK LEVEL OK 1500 CLEANOUTS OK

DISTRIBUTION BOX LEVEL 21

DRAIN FIELD/TILE FIELD. DEPTH \_\_\_\_\_ FT. TRENCH WIDTH \_\_\_\_\_ FT. INLET DEPTH \_\_\_\_\_ FT.

EFFECTIVE GRAVEL DEPTH #1 8.5 FT. TOTAL LENGTH #1 105 FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL/BOTTOM AREA 5.5 SQ. FT.

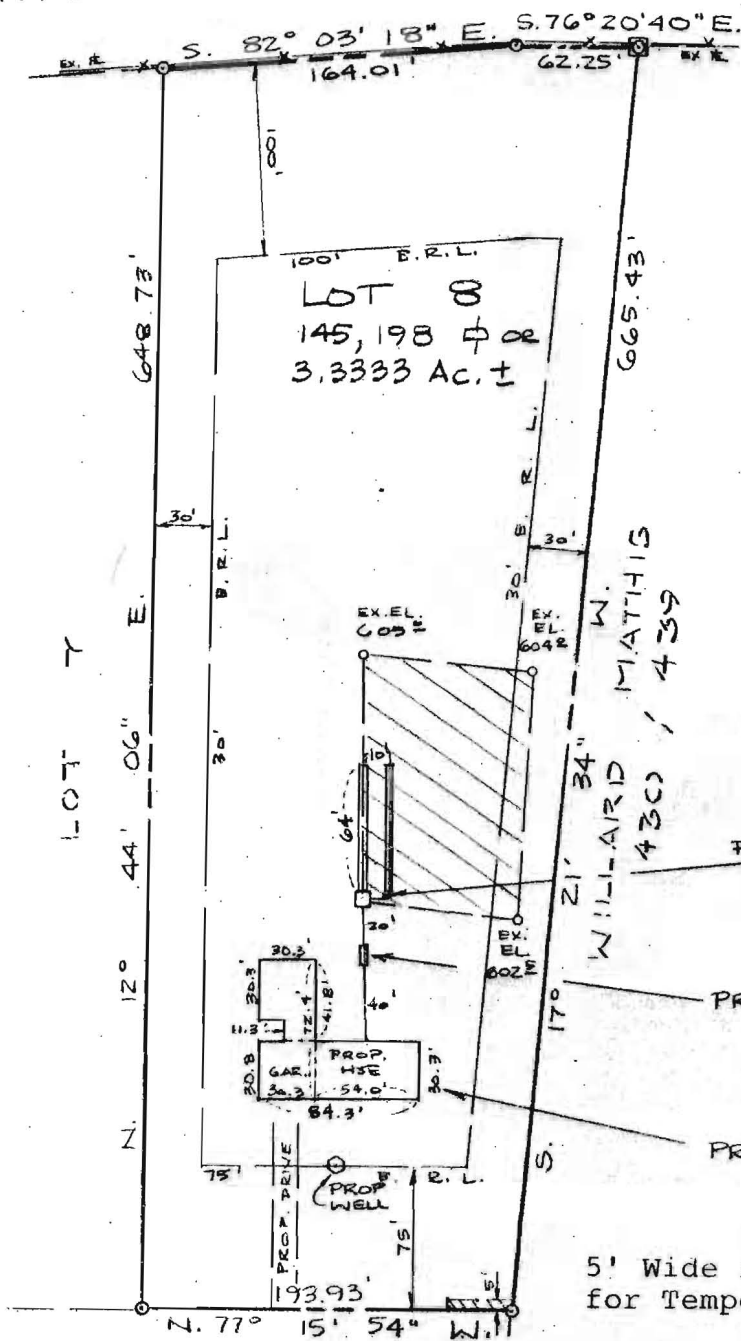
DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET 5.77 FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 2/13/87 LOCATION OK OK TO COVER TANK & HOUSE  
SEWER TRENCH DUG ADD STONE  
2/13/87 PM - STONE ADDED

DATE SYSTEM APPROVED 2/13/87 INSPECTOR Raymond Hodges

INTERSTATE ROUTE # 70



PROP. TRENCHES  
 2 @ 64' BOTTOM  
 TRENCH W. EL. = 597.3 ✓  
 5' OF STONE  
 8' MAX DEPTH

PROP. DISTRIBUTION BOX  
 EX. EL. = 605.3 ✓  
 INV. IN. = 602.3 ✓

PROP. SEPTIC TANK  
 EX. EL. = 605.3 ✓  
 INV. IN. = 602.3 ✓  
 INV. OUT. = 602.3 ✓

PROP. 1-STY HOUSE  
 FF. EL. = 609.3 ✓  
 BSMT. EL. = 601.2 ✓  
 INVERT OUT OF HOUSE = 603.3 max depth

5' Wide revertible slope easement for Temporary Tee Turn-around given this info.

BARNARD WAY

11/18/86  
 elevations approved with info concerning street depth.  
 S. Abel

BLDG. PERMIT SIGNED AND RETURNED 11/18/86  
 S. Abel  
 BP# 8994

PLOT PLAN  
 LOT 8, SECTION I  
 SHEET 1 OF 2

MATHIS PROPERTY

A RESUBDIVISION OF LOT ONE #12470 BARNARD WAY THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 100' NOVEMBER 1986

PLAT OF RECORD NOTES: There is a 25' wide revertible slope easement along all road frontage lot lines.



I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.



SHELADIA Associates, Inc.  
 CONSULTING ENGINEERS  
 310 A South Main Street, Mt. Airy MD. 21771  
 (301) 829-2890

REFERENCE

JOB NO.

PLAT # 6748

251-379

319

PROPERTY OWNER Barnard DATE OF REQUEST 3/5/87

TELEPHONE 489-7621 <sup>after 3:30</sup> NEW WELL NUMBER 81-1546

DIRECTIONS OR INSTRUCTIONS George J. Jace Stratmann H: 442-1876 Helen S.

Preston Wright

NAME Helen & George Stratmann  
ADDRESS 12470 Barnard Way  
W. Friendship  
21794

<u>SAMPLE TYPE</u>	<u>REASON FOR REQUEST</u>
<input type="checkbox"/> Health Hazard	<input type="checkbox"/> Physician's Advice
<input type="checkbox"/> U & O	<input type="checkbox"/> New Residence
<input type="checkbox"/> Real Estate	<input type="checkbox"/> Nitrate Monitoring
<input type="checkbox"/> Pond or Stream	<input type="checkbox"/> Taste or Odor
<input type="checkbox"/> Sewage	<input type="checkbox"/> Treatment System Necessity
<input type="checkbox"/> Other	<input type="checkbox"/> Plumbing or Well Repair
	<input type="checkbox"/> Replacement Well
	<input type="checkbox"/> Curiosity

SETTLEMENT DATE    /   /   

SEPTIC SYSTEM:  Approved  Disapproved DATE 2/13/87

CONDITION: A 34939

SUPPLY TYPE:  Drilled Well  Hand Dug  Spring  Public

CONDITION:    

FIRST SAMPLE COLLECTOR Stays TIME 10:00 DATE 3/19/87

BACTERIA A3631, pH    , Free Cl<sup>-</sup>    , Res. Cl<sup>-</sup>    , VOC    

CHEMICAL M22, LEAD & COPPER    , NITRATES    , PESTICIDE    

ACTION: Tank Positive

RESAMPLE COLLECTOR Stays DATE 3/23/87

BACTERIA VV 26 L, pH    , Free Cl<sup>-</sup>    , Res. Cl<sup>-</sup>    , TIME 10:00

CHEMICAL    , Other    

ACTION: Positive - called 3/30 will reschedule

RESAMPLE COLLECTOR L. Clark DATE 8/27/87

BACTERIA AE 832, pH 5.4, Free Cl<sup>-</sup> 0.0, Res. Cl<sup>-</sup> 0.0, TIME 11:05

ACTION: Send copy of chemical & ICOP both FCOP 9-2-87 JEN ✓

RESAMPLE COLLECTOR     DATE    /   /   

BACTERIA    , pH    , Free Cl<sup>-</sup>    , Res. Cl<sup>-</sup>    , TIME    

ACTION:

SUBDIVISION: MATHIS Property

LOT NUMBER: 8

DRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

	<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.

TRENCHES

158 sq. ft./bedroom

Trench to be 2 wide.

Inlet 3 feet below original grade.

Bottom maximum depth 8 feet below original grade.

Effective area begins at 3 feet below original grade.

5 feet of stone below distribution pipe.

3-No

- 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: PLACE THE DISTRIBUTION BOX 210 FT FROM THE FRONT (193.93')  
LOT LINE AND 100 FT FROM THE RIGHT (665.43') LOT LINE  
AS SEEN WHEN FACING THE LOT FROM BARNARD WAY. ROW  
TRENCHES ON CONTOUR TOWARD THE BACK OF LOT. 2-10-86

S. Abel