

8/2/94  
late A.M.  
8/2/94  
✓  
8/1/94  
✓  
12pm

10x ED-05-411-335

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE INDEXED

P 50154

A 42241

DISTRICT 5th

DATE 7/18/94

DATE SYSTEM APPROVED 8/4/94

INSPECTOR Ches

**HOWARD COUNTY HEALTH DEPARTMENT**  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXXX~~ 313-2640

J. Joseph Gartland IS PERMITTED TO INSTALL  ALTER

ADDRESS 1835 West Old Liberty Road, Westminster, Maryland 21157 PHONE 875-2400

SUBDIVISION Adams Reach LOT 2 ROAD 5561 Broadwater Lane

PROPERTY OWNER Steven Murphy

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

$$\begin{array}{r} 3 \\ 180 \\ 4 \\ \hline 720 \end{array}$$
  
$$\begin{array}{r} 180 \\ 4 \\ \hline 720 \\ \hline 32 \end{array}$$

TRENCHES - Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 100 feet from the rear lot line and 80 feet from the left lot line as seen when facing the lot from Broadwater Lane. 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 5/26/94 DKS

PLANS APPROVED BY Sid Abel/Mark Rifkin REVISED \_\_\_\_\_ DATE 04/22/94

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

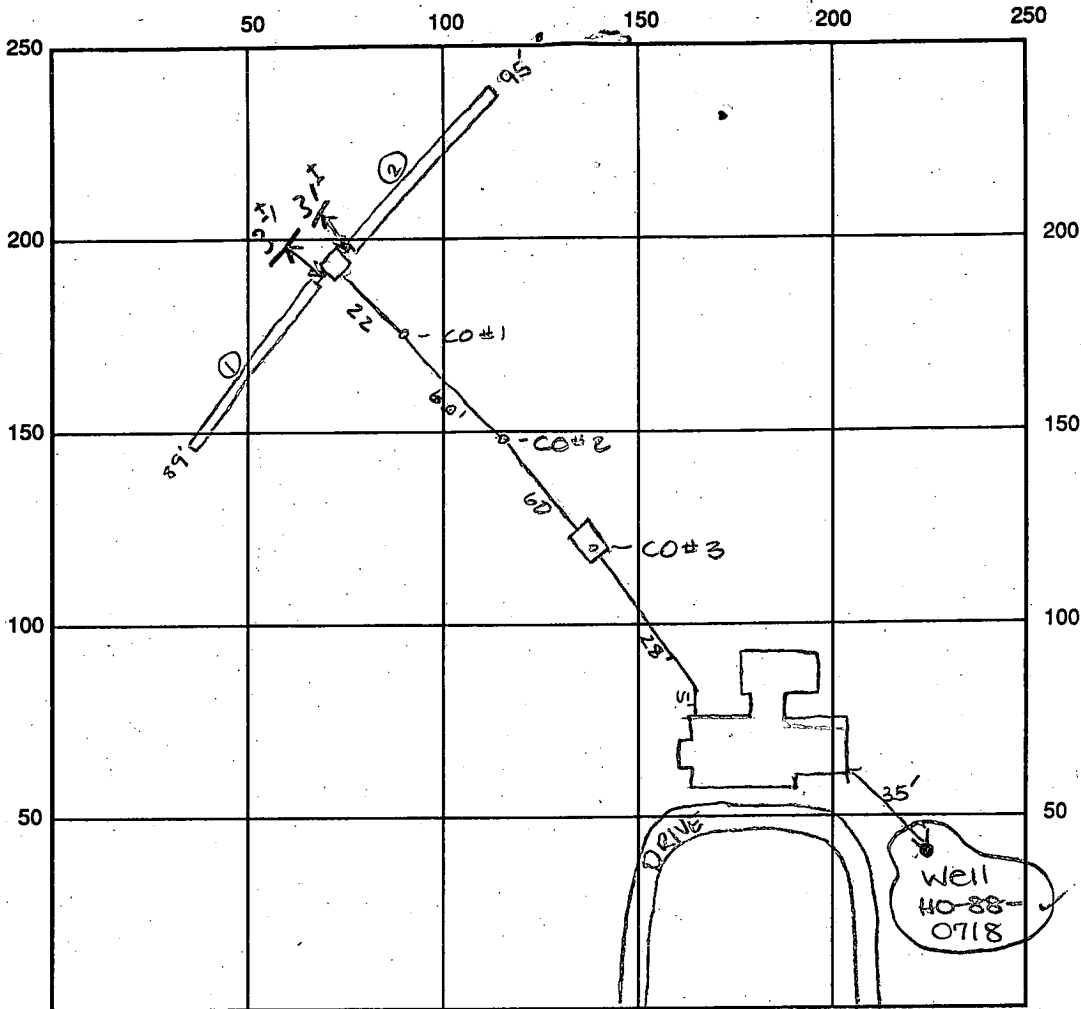
PERMIT VOID AFTER TWO YEARS

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**

17207 A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Broadwater Lane

SEPTIC TANK LEVEL 1250 gal CLEANOUTS 1, 2 & 3 OK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 7' FT. TRENCH WIDTH 2' FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4' FT. TOTAL LENGTH 89' @ 1 95' @ 2 FT. = 184' total

NUMBER OF TRENCHES 2 ONE SIDEWALL AREA 736 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 736 + SQ. FT.

REMARKS: 8/2/94 OK to cover from house to DB and stock both trenches.

(P.M.) Find  
8/4/94 Chd

saw-all work - done on trenches only; Chd

(P.M.) 8/4/94 W.P.I. - OK Chd

DATE SYSTEM APPROVED 8/4/94 INSPECTOR Charles S. Street

# APPLICATION

PERCOLATION TESTING

A 42241  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 5TH  
DATE MAY 1988

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 Steven Murphy  
~~BAC HP DEVELOPMENT LIMITED PARTNERSHIP~~

ADDRESS C/O H.P. ASSOCIATES  
3901 NATIONAL DRIVE SUITE 100 PHONE 747-1673  
BURTONSVILLE, MARYLAND 20866 4-21-1900

PROSPECTIVE BUYER \_\_\_\_\_  
ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION ADAMS REACH Sec. 1 LOT NO. 28 Lot 2 Preliminary

ROAD AND DESCRIPTION LOCATED ON THE NORTH AND SOUTH SIDES OF  
MD. ROUTE 32, WEST OF RTE 108, NORTH OF TEA OAKS ROAD  
(5361 Broadwater Lane)

TAX MAP 28 PARCEL # 240

SIZE OF LOT ± 3.4 AC. TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

RAKALVP  
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR 8 Deep trenches DATE 6-9-89

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING 9-13-88 Per Satisfactory - hold for Subel. Plat. 5 abn

BLDG. PERMIT SIGNED  
AND RETURNED 4/22/94  
Serial # 53942-  
SFD-4 Bdrms

BLDG. PERMIT SIGNED  
AND RETURNED 9/5/87  
Serial # 28687  
SFD-4 Bedrooms

# THIS IS NOT A PERMIT

A-42241

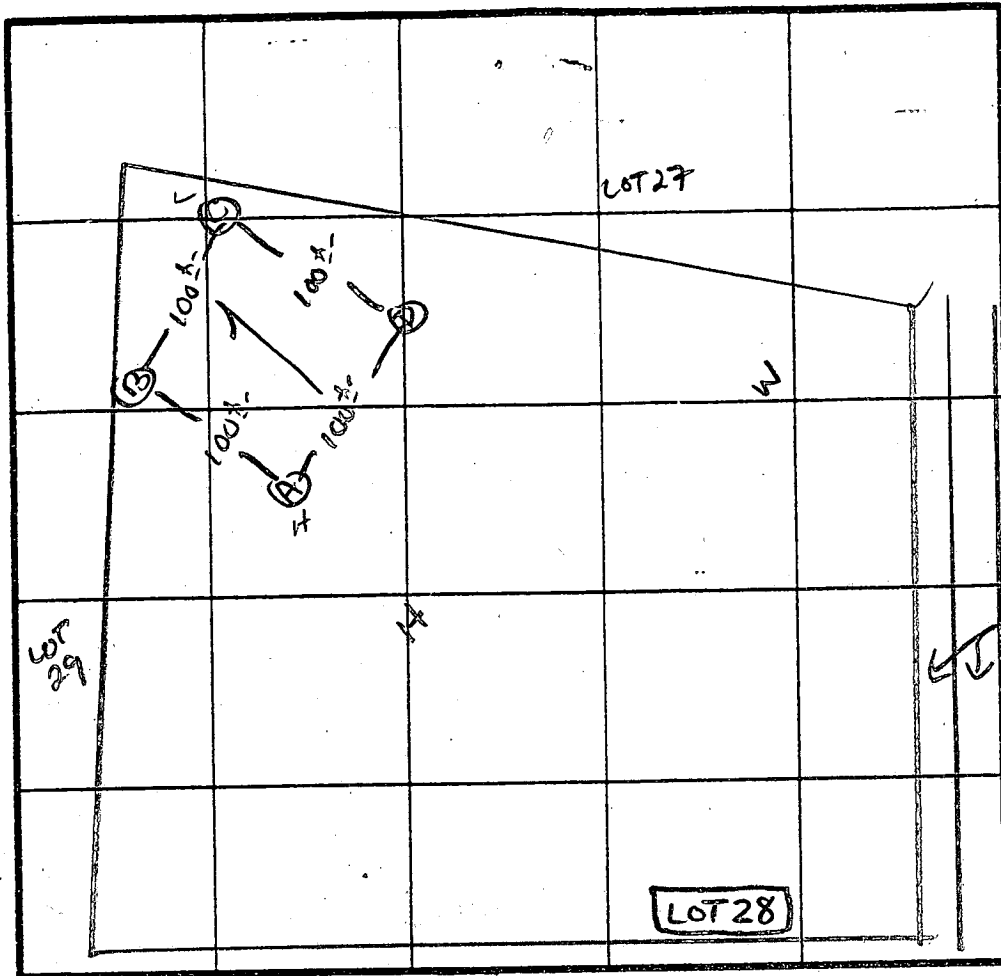
SOIL PROFILE

10"  
 3.5-4.0'  
 12'+

AP

Yellow Red  
 Silty Clay  
 W. Am  
 c 10% frags

Brown  
 Highly  
 micaceous  
 Silty loam  
 20-25%  
 coarse  
 frags  
 Sclerist  
 Hard



X PERC 2min  
 100 #/BA  
 INLET 3.5'  
 BOTTOM 7.5'

INDICATE NORTH --NAME ADJOINING ROADWAY AS BASE LINE.

BROADWATER Lane

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9/13/88	A	S	4.5'	7:36	7:37	7:37	7:39	2 min
		M	9.0'	7:36	7:37	7:37	7:39	2 min
	A	V	12.5'	UNIFORM soil below 3.5'				
	B	S	4.5'	9:42	9:43	9:43	9:45	2 min
		V	13'	UNIFORM soil below 3.5'				
	C	S	4.5'	9:47	9:48	9:48	9:50	2 min
		V	13'	UNIFORM soil below 4.0'				
	D	V	12.5'	UNIFORM soil below 4.0'				
ALL TEST HOLES SIMILAR IN APPEARANCE.								

REMARKS Holes APPROX TO RAT

TYPE OF SOIL Chester loam

TESTED BY S. Abel ALSO PRESENT sample Fyock & Co.

EH-12-1079

BROADWATER FARMS  
LOTS 1 & 2  
PLAT # 5387

PROPERTY OF  
ARLIE & MARY MARGIE BROADWATER  
173/338, 738/343, 439/218

N 63° 50' 58" E

325.00'

100'

214

Approved Septic System Plan  
Howard County Health Department

*Mary E. R. R. R.*  
Signature  
4/22/94  
Date

N 36° 04' 38" E

BROADWATER  
MARYLAND  
ROUTE

SEC. PLATS # 2920 & 2921  
1126 & 1021 & 2921

LANE

212

816

LOT # 6  
3.121 AC.

LOT # 2

3.146 AC.

FF

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2-1 0042 SEQUENCE NO. (DENV USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 NUMBER A42241

ST/CO USE ONLY  
 DATE Received [ ] [ ] [ ] [ ] [ ] [ ]  
 DATE WELL COMPLETED 072089

Depth of Well  
200 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
40-88-0718

OWNER KENNEDY DEVELOPMENT  
 STREET OR RFD. last name BROADHARZ COVE first name  
 TOWN Chandlersville  
 SUBDIVISION BRANDS DESIGN SECTION 1 LOT 2 (28)

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	
Clay	2	4	
Shaley	4	15	
Brown Mica	15	35	
Gray Mica	35	55	
Quartz	55	57	✓
Gray Mica	57	110	
Flint	110	112	✓
Gray Mica	112	200	

GROUTING RECORD  
 WELL HAS BEEN GROUTED  YES  NO  
 (Circle Appropriate Box)  
 TYPE OF GROUTING MATERIAL  
 CEMENT  BENTONITE CLAY   
 NO. OF BAGS 12 NO. OF POUNDS 1200  
 GALLONS OF WATER 60  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 31 ft.  
 (enter 0 if from surface)

CASING RECORD  
 casing types insert appropriate code below  
 ST STEEL  CO CONCRETE  
 PL PLASTIC  OT OTHER  
 MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 42  
 OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD  
 screen type or open hole insert appropriate code below  
 ST STEEL  BR BRASS  HO OPEN HOLE  
 PL PLASTIC  OT OTHER

DEPTH (nearest ft.)  
 EACH SCREEN 40 200  
 SLOT SIZE 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_  
 DIAMETER OF SCREEN \_\_\_\_\_ (NEAREST INCH)  
 from \_\_\_\_\_ to \_\_\_\_\_

PUMPING TEST  
 HOURS PUMPED (nearest hour) 3  
 PUMPING RATE (gal. per min. to nearest gal.) 10  
 METHOD USED TO MEASURE PUMPING RATE Bucket  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 30  
 WHEN PUMPING 155  
 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 2 (nearest foot)

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 40  
 DRILLERS SIGNATURE Charles R. L. [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.) 70 [ ] 72 [ ]  
 W Q 74 [ ] 75 [ ] 76 [ ]  
 TELESCOPE CASING LOG INDICATOR OTHER DATA

