

05-388422

9/20/89  
LNTB  
9/28/89 new

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

## INDEXED

P 44923  
A 27720  
DISTRICT 5th  
DATE 9/25/89  
DATE SYSTEM APPROVED 9/28/89  
INSPECTOR J. K. ...

Gregg's Excavation IS PERMITTED TO INSTALL  ALTER   
ADDRESS 10480 Little Patuxent Parkway, Columbia, MD PHONE 964-2023  
SUBDIVISION Green Hill Manor ROAD 13514 Villa D'est Drive LOT 2, Section 5  
PROPERTY OWNER Kerwin Miller Gary & Ester Brown  
ADDRESS \_\_\_\_\_

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%. 200

GARBAGE GRINDER? YES  NO

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 244 sq. ft. per bedroom with garbage disposal. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the first trench 135 feet down the left lot line and 45 feet off the same lot line as seen when facing the lot from Villa D'est Drive. Run trenches on contour toward front of lot.

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

*OK TO MAKE INLET 3 1/2"*

PLANS APPROVED BY Sid Abel DATE 5/11/88

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

BLDG. PERMIT SIGNED AND RETURNED 8/4/89  
*Serial # 44902 - deck*

BLDG. PERMIT SIGNED AND RETURNED 4/21/94  
*Serial # 53589 - Storage Shed*

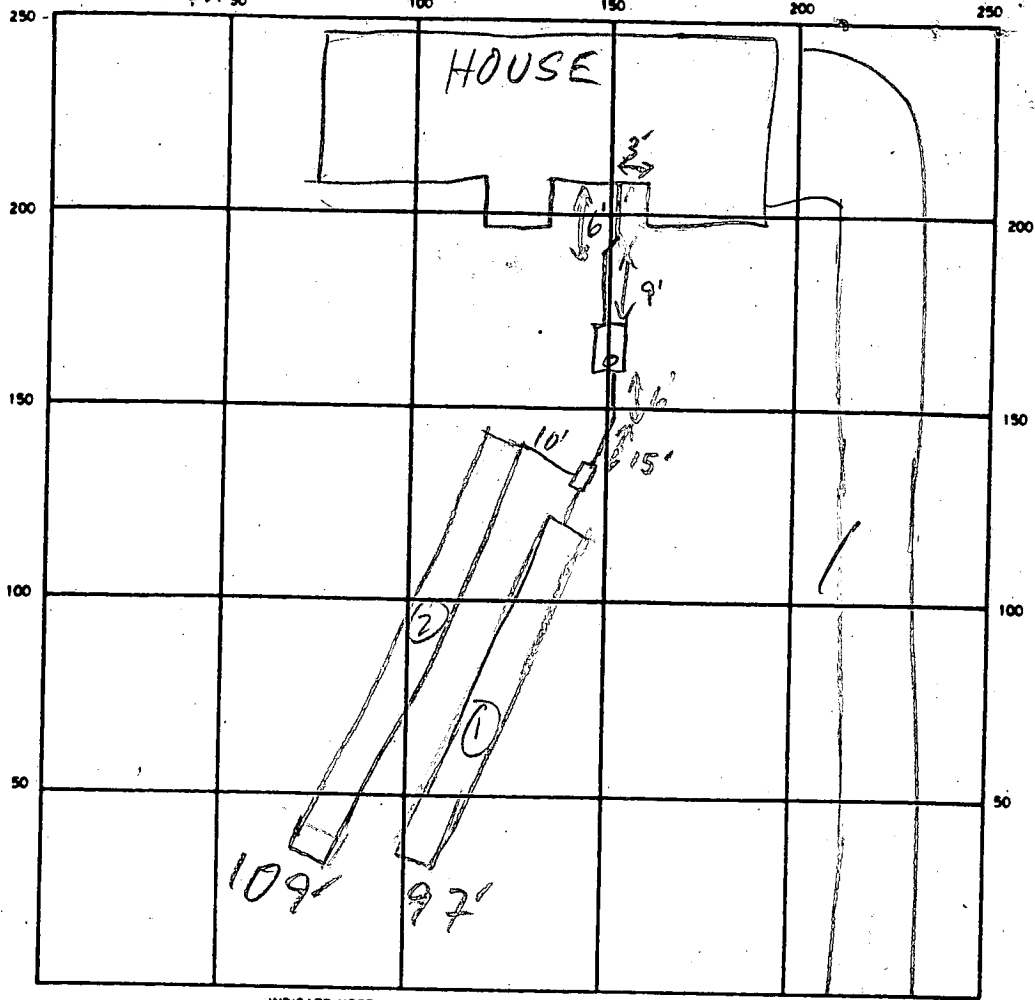
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

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

27720

HO-81-2573

Well 50



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
VILLA D'EST DR

SEPTIC TANK LEVEL OK 2000 GAL CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK BAFFLE IN

DRAIN FIELD/TILE FIELD DEPTH 8 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 4 1/2 - 5 FT. TOTAL LENGTH 97 109 216 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 1026 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS 9/27/89 TRENCHES DUG, READY FOR STONE; OK TO COVER FROM HOUSE TO DR MR

9/28/89 OK TO COVER ALL MR

DATE SYSTEM APPROVED 9/28/89 INSPECTOR M. Rifkin

SUBDIVISION:

VILLA D'EST DR

LOT NUMBER: 2

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

Trench to be 2 ft wide. 200 sq. ft./bedroom  
 Inlet 4.0 feet below original grade. 244 sq. ft./bedroom  
 Bottom maximum depth 8 feet below original grade. with g.d.  
 Effective area begins at 4.0 feet below original grade. if yes  
4.0 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 absorbent sidewall area by 22%.

LOCATION: ~~at well site either 230-250 down left lot line or on back third of lot.~~

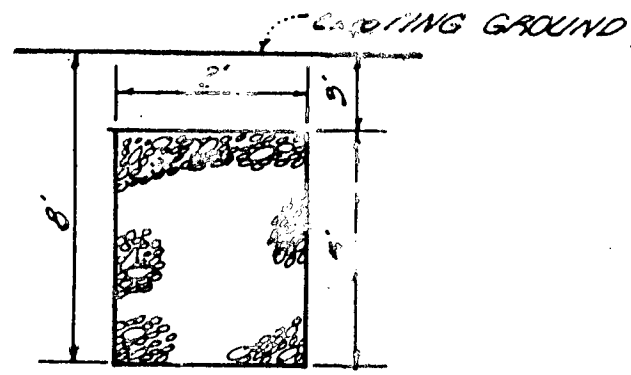
PLACE THE FIRST TRENCH 135 FT DOWN THE LEFT LOT LINE  
AND 45 FT OFF THE SAME LOT LINE AS SEEN WHEN FACING  
THE LOT FROM VILLA D'EST DR. RUN TRENCHES ON CONTOUR  
TOWARD FRONT OF LOT. 5-11-88 S. Ahl

LOT #1  
 INV. ELEV. (OUT OF) HOUSE 477.26  
 INV. ELEV. (INTO) SEPTIC TANK 477.06  
 EXIST. ELEV. @ SEPTIC TANK 477.20  
 INV. ELEV. (OUT OF) SEPTIC TANK 476.73  
 INV. ELEV. (INTO) DISTRIBUTION BOX 476.03  
 EXIST. ELEV. @ DISTRIBUTION BOX 480.00  
 INV. ELEV. (OUT OF) DISTRIBUTION BOX 475.70  
 EXIST. ELEV. @ TRENCH 480.00

✓  
 LOT #2  
 INV. ELEV. (OUT OF) HOUSE 477.04 ✓ (-BSMT)  
 INV. ELEV. (INTO) SEPTIC TANK 476.84 ✓  
 EXIST. ELEV. @ SEPTIC TANK 472.20 ✓  
 INV. ELEV. (OUT OF) SEPTIC TANK 476.51 ✓  
 INV. ELEV. (INTO) DISTRIBUTION BOX 476.23 ✓  
 EXIST. ELEV. @ DISTRIBUTION BOX 479.20 ✓  
 INV. ELEV. (OUT OF) DISTRIBUTION BOX 475.90 ✓  
 EXIST. ELEV. @ TRENCH 479.30 476.2 ✓  
 Should be 480.0  
 raised at 2

MASTER SP  
 Plan in  
 Files

LOT #3  
 INV. ELEV. (OUT OF) HOUSE 482.66  
 INV. ELEV. (INTO) SEPTIC TANK 482.46  
 EXIST. ELEV. @ SEPTIC TANK 485.30  
 INV. ELEV. (OUT OF) SEPTIC TANK 482.13  
 INV. ELEV. (INTO) DISTRIBUTION BOX 481.23  
 EXIST. ELEV. @ DISTRIBUTION BOX 484.20  
 INV. ELEV. (OUT OF) DISTRIBUTION BOX 480.20  
 EXIST. ELEV. @ TRENCH 484.20



TYPICAL TRENCH DETAIL  
 NO SCALE