

# PERMIT

## SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

05-419751

P 50837A

A 49277

DISTRICT \_\_\_\_\_

DATE 8-21-95

DATE SYSTEM APPROVED 8-23-95

INSPECTOR AM

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5674

SUBDIVISION Cortina Highlands LOT 5 ROAD 13406 Green Hill Lane  
6687 Cortina Drive

PROPERTY OWNER Dale Thompson Builders

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 144

TRENCHES - 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 distribution box 85 feet from front lot line and 12 feet from the left lot line. Run trenches along contour toward RIGHT lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 9/13/95 DKS

PLANS APPROVED BY Glen Savage DATE 3/27/95

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

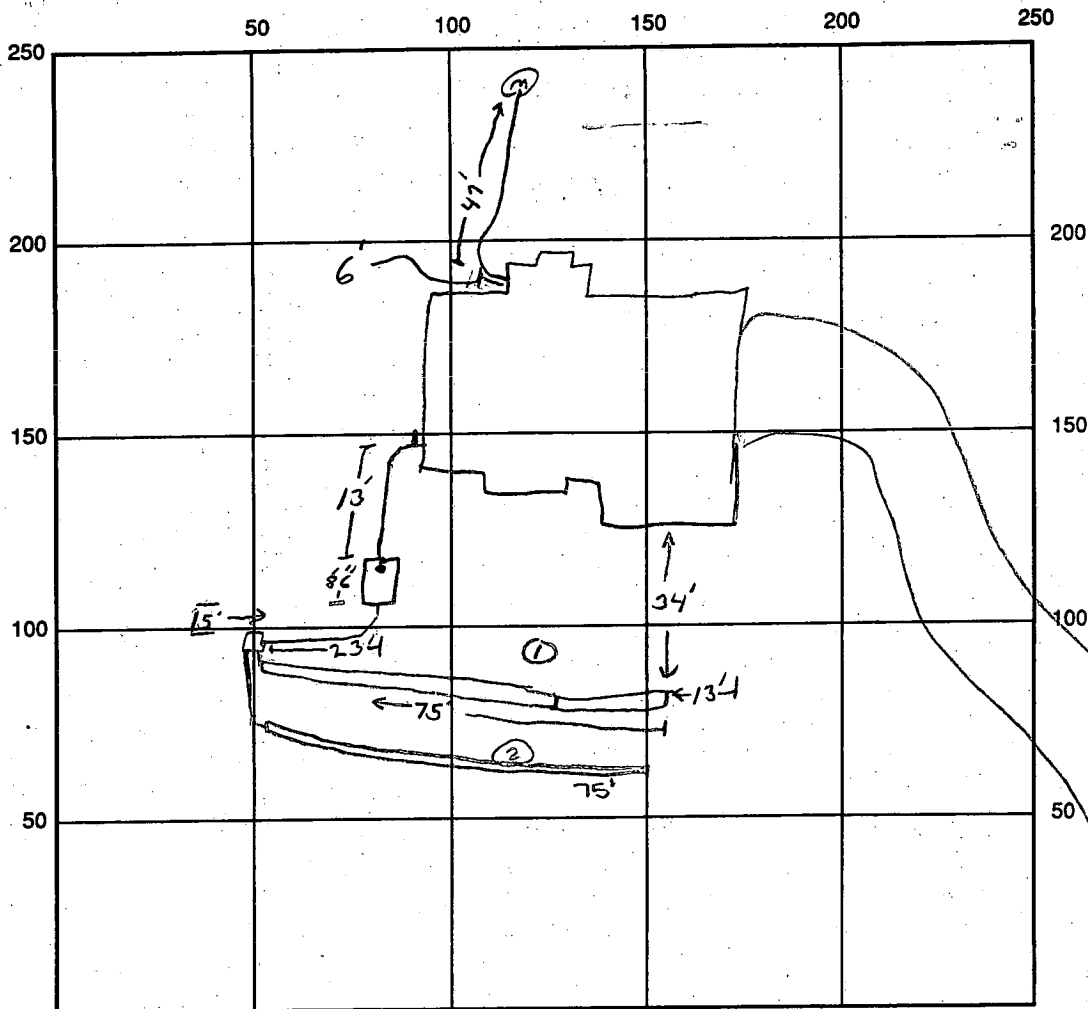
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

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**



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

← CORONA DRIVE →

SEPTIC TANK LEVEL OK 1250 gal CLEANOUTS OK - 1 on tank, 1 at wall  
 DISTRIBUTION BOX LEVEL OK baffle  
 DRAIN FIELD/TITLE DEPTH 8' FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.  
 EFFECTIVE GRAVEL DEPTH 5' FT. TOTAL LENGTH 150' FT. <sup>① 75'</sup> <sub>② 75'</sub>  $\begin{matrix} 2 \\ 150 \\ 5 \\ 750 \end{matrix}$   
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 750 SQ. FT.  
 DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.  
 ABSORBENT AREA      SQ. FT.

REMARKS: 8/23/95 WPH 110 94 0352 RITLESS ADAPTER OK, 2X CLAMPS, 3'-4' DEEP  
SLEEVE & SEAL THRU WALL OF HOUSE. OK TO COVER, GROUND NOT ATTACHED TO CASING. JJ  
OK TO STONE 1ST TRENCH, COVER HOUSE TO DISTRIBUTION BOX. JJ  
8/23/95 OK to cover all work final AUN

DATE SYSTEM APPROVED 8-23-95

INSPECTOR Amy McMelle

# APPLICATION

PERCOLATION TESTING

A 49277

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 5/26/93

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Estate of Vincent L. Vinella  
Esther Remson, Personal Representative DALE Thompson Builders  
15517 Prince Frederick Way  
ADDRESS Silver Spring, MD 20906 PHONE (301) 598-2409 995-6736

AGENT OR PROSPECTIVE BUYER Paul D. Remson  
The Michael Companies, Inc.  
ADDRESS 4390 Parliament Place PHONE (301) 459-1533  
Suite A  
PROPERTY LOCATION: Lanham, MD 20706

SUBDIVISION Vinella Property LOT NO. # 5  
6687  
ROAD AND DESCRIPTION Cortina Court and Mink Hollow 13406 GREEN HILL LANE

TAX MAP 34 PARCEL # 59  
SIZE OF LOT 40,000 Sq. Ft. TYPE BLDG. Single Family - SFD-4Brm  
**BLDG. PERMIT SIGNED AND RETURNED 3/31/95**  
Serial # 52877  
(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. Estate of Vincent L. Vinella  
Esther Remson PR  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS 6/2/93 - PERC OK HOLD FOR PLAT RH

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

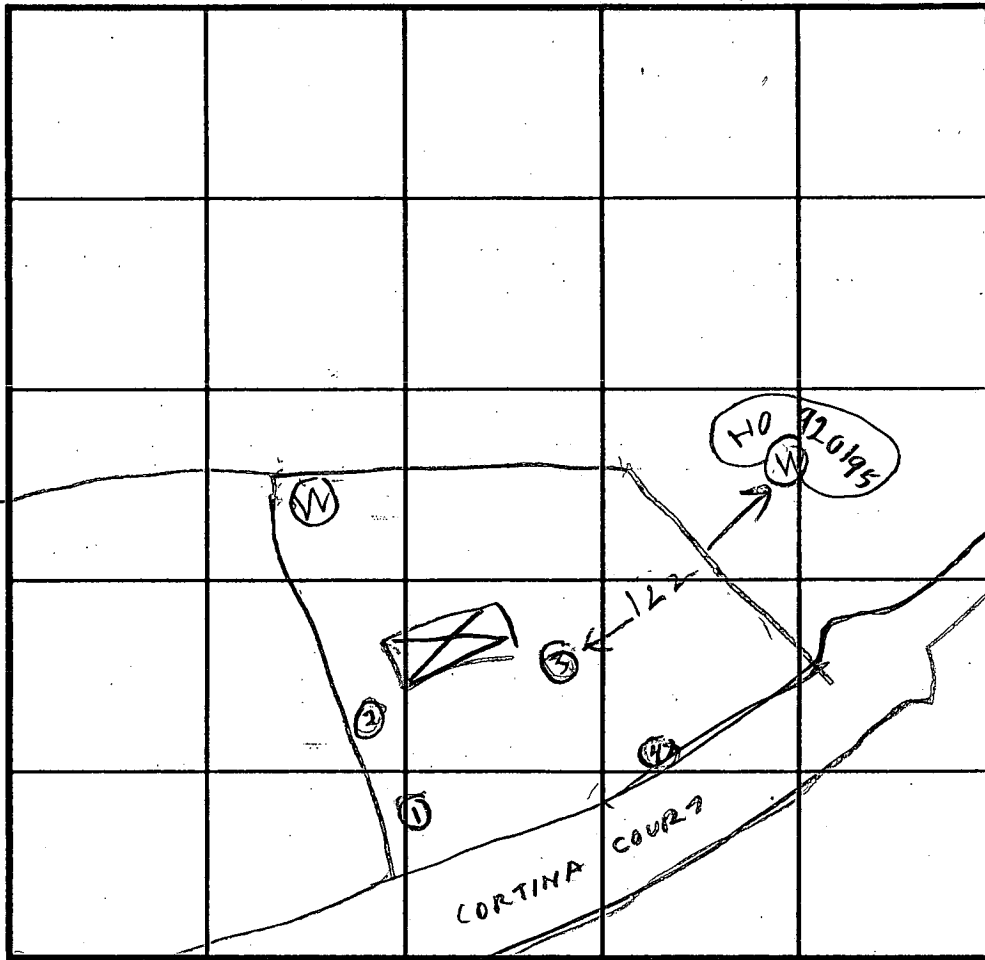
49277  
COUNTY #

SOIL PROFILE  
①  
0' TOP SOIL CLAY  
3' PINK BROWN SAND LOAM

②  
3' TOP SOIL CLAY  
PINK BROWN SAND MICA LOAM

③  
0' TOP SOIL CLAY  
3' PINK BROWN SAND MICA LOAM

SOIL PROFILE  
④  
0' TOP SOIL BROWN CLAY  
4' PINK BROWN SAND LOAM



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/1/93	1S	4	1108	1109	1109	1110	1
	1V	13	OK				
	2S	3.5	1112	1113	1113	1114	1
	2V	13	OK				
	3S	3.5	1116	1118	1118	1121	3
	3V	12.5	OK				
13	4S	5	1123	1124	1124	1127	3
	4V	12.5	OK				

REMARKS Holes Shifted From Test Plat to move from well R H

TYPE OF SOIL \_\_\_\_\_

TESTED BY R. HODGES FROIL RICK & DOR ALSO PRESENT BOB

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 TRENCH WIDTH 2

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 9 SQ. FT./BEDROOM 180

C1 3570

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A 49277

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

03/6/95

Depth of Well 285 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-0352

OWNER SDC Group last name Cortina Drive first name TOWN Highland SUBDIVISION Cortina Highlands SECTION LOT 5

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entry for SAND GRAY MICA Rock from 0 to 80 feet.

GROUTING RECORD form including fields for WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (21), NO. OF POUNDS (1994), GALLONS OF WATER (126), DEPTH OF GROUT SEAL (0 to 71 ft).

CASING RECORD form including fields for casing types (ST, CO, PL, OT), MAIN CASING TYPE (SF), Nominal diameter (6 inch), Total depth (84 feet).

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form including fields for screen type (ST, BR, HO, PL, OT) and slot size.

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (Y).

CIRCLE APPROPRIATE LETTER: A (well abandoned and sealed), 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...

DRILLERS IDENT. NO. 24

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Larry Wayne 27

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

SCREEN RECORD table with columns for depth (nearest ft.) and rows for screen sections (1, 2, 3). Includes slot size and diameter of screen.

GRAVEL PACK form including field for IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form including fields for TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST form including fields for HOURS PUMPED (3), PUMPING RATE (4.5 gal. per min.), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (56 before, 249 when pumping), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED form including fields for DRILLER WILL INSTALL PUMP (NO), TYPE OF PUMP INSTALLED (S), CAPACITY (GALLONS PER MINUTE), PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (2 feet).

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). See attached location.

8-23-95  
am API

8/23/95 WPH P01  
HO-94-0352 LOT 5  
OK-~~88~~  
SEE SEPTIC INSTALLATION DIAGRAM

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043  
461-9833

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation  Replacement   
 Receipt # \_\_\_\_\_ Date \_\_\_\_\_  
 Name of Installer WILLOUGHBY PLUMB. Telephone \_\_\_\_\_  
 License Number \_\_\_\_\_  
 Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber   
 Name of Property Owner DALE THOMPSON BUILDERS Telephone 915-6736  
 Subdivision 13406 GREEN HILL CRT Lot # 5 Well Tag # HO-94-0352  
 Site Address CURTINA HIGHLAND

Pump  
 1. Type  
 a. Deep well jet \_\_\_\_\_  
 b. Shallow well jet \_\_\_\_\_  
 c. Submersible   
 2. Make JACUZZI  
 3. Model # \_\_\_\_\_  
 4. Capacity 5 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 Tape

Motor  
 1. Horsepower 1/2 HP  
 2. RPM \_\_\_\_\_  
 3. Voltage \_\_\_\_\_  
 a. 110 \_\_\_\_\_  
 b. 220

Pitless Adapter  
 1. Make HARVARD  
 2. Model # \_\_\_\_\_  
 3. Depth 4 FT

Tank  
 1. Capacity 40 gal  
 2. Pressure relief valve? yes

Piping  
 1. Type CRESTLINE  
 2. Size 1"  
 3. NSF and/or BOCA Code approved yes  
 4. Depth of supply line 4 FT

Well data  
 1. Depth 285 ft.  
 2. Yield 75 GPM  
 3. Static water level 56 ft.  
 4. Will water supply be disinfected by installer? \_\_\_\_\_

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: [Signature]  
Date: 8/27/95

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



LOT #5  
"Green Hill Manor"

LOT #4

LOT #5  
40,072 s.f.

Limit of Disturbance

Limit of Disturbance

1,250 Gallon Septic Tank

SEPTIC GRADES & ELEVATIONS	
	Grade
Invert at house	513.6 516.2
Invert at tank inlet	513.3 515.7
Invert at tank outlet	513.0 515.5
Invert at distribution box	512.0 515.0

Approved Septic System Plan  
Howard County Health Department

*Blair Savage*  
Signature

3/3/95  
Date

Private Sewerage Easement

CORTINA DRIVE

SITE PLAN

Lot #5  
Cortina Highlands

