

10-22-93  
am asap  
10-25-93  
ASAP final - w/PT  
am  
10/26/93

05-414245

pd. 9-30-93

# PERMIT

P 49642

## SEWAGE DISPOSAL SYSTEM

A 37818

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT **INDEXED**

DATE 9/30/93

BUREAU OF ENVIRONMENTAL HEALTH  
~~861-9333~~ 313-2640

BLDG. PERMIT SIGNED  
AND RETURNED

DATE SYSTEM APPROVED 10/26/93

INSPECTOR H. Riskin

VanSant Plumbing & Heating IS PERMITTED TO INSTALL X ALTER

ADDRESS 3 North Main Street, Mt. Airy, Maryland 21771 PHONE 795-6566

SUBDIVISION Clearview Estates LOT 56 ROAD 12009 Misty Rise Court

PROPERTY OWNER N. V. Homes, Md. West

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 5½ feet below original grade. Bottom maximum depth 7½ feet below original grade. Effective area begins at 5½ feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 120 feet from right rear (287.27') lot line and 120 feet from right front (328.11') lot line and left side as viewed from Misty Rise Court.

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

PLANS APPROVED BY Ronald J. Pinkley REVISED DATE 09/30/93

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

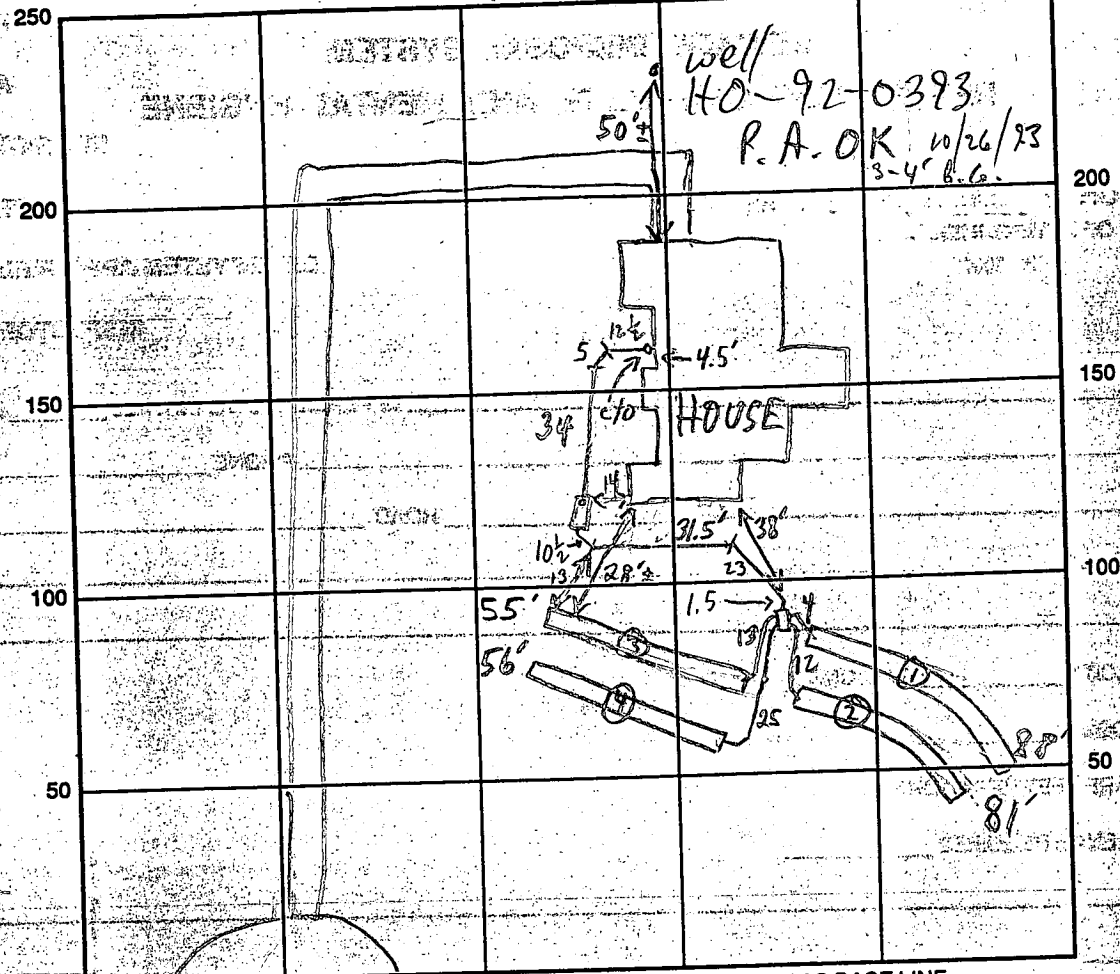
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 8 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\***

A  
32818



MISTY RISE CT INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 GAL-OK CLEANOUTS OK-INLINE & S.T.

DISTRIBUTION BOX LEVEL OK-BAFFLE IN

DRAIN FIELD/TITLE DEPTH 1 1/2 3 1/4 5 7 5 1 7 5 FT. TRENCH WIDTH 3 FT. INLET DEPTHS 5 5 5 5 5 FT.

EFFECTIVE GRAVEL DEPTH 1 1/2 3 1/4 FT. TOTAL LENGTH 0 88 2 81 3 55 4 56 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 0 264 2 243 3 165 4 168 SQ. FT.

DRYWALL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 1840 SQ. FT.

REMARKS: 10/22/93 OK TO CONTINUE W/ 55' TRENCHES FOR  
10/25/93 #1 OK TO CONTINUE MR  
10/26/93 OK TO COVER ALL MR

DATE SYSTEM APPROVED 10/26/93 INSPECTOR McRipkin

A 37818

SUBDIVISION: Clearview Sect II Estates

LOT NUMBER: 56

DRY WELL OR DRY WELL AND TRENCH

sq. ft./bedroom

	Septic Tank	Minimum Total Square Feet
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 wide. Shallow  
70 Linear Ft / Bdr  
280 Lin. Ft / 4 Bdr House 210 sq. ft./bedroom

Inlet 3 1/2 feet below original grade. Deep  
52 LINEAR FT / BEDROOM  
208 LINEAR FT  
PER 4 BEDROOMS

Bottom maximum depth 7 1/2 feet below original grade.

Effective area begins at 3 1/2 feet below original grade.

4 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: Place Distribution Box 120' From Right Rear (287.27') lot line and 120' From Right Front (328.11') (corner lot to 655) lot line.  
Install Trenches on Contour toward Right Front (328.11') lot line & left side as Viewed From Misty Rise Court.

RIP 9/8/92  
 Parcel Revised 6/23/93 RP  
 Spec Permit 6/23/93 RP

\* IF Inlet must be at 5' approx, Must use 3 ft Trench widths and Shallow Trench Design above (18") depth # to 3', 5 1/2', 7 1/2', 5 1/2', 2')

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

A 37818

P \_\_\_\_\_

DISTRICT 10/09/86

DATE June 30, 1986

*10/31/86  
perc OK'd  
pending approval  
[initials]*

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.

*NV Homes Md. West*

PROPERTY OWNER Conrad J. and Patricia Langenfelder

Martha V. Langenfelder

11904 Clarksville Road

5511 Hamilton Avenue

ADDRESS Clarksville, Maryland 21029

PHONE Baltimore, Maryland 21206

PROPERTY LOCATION:

SUBDIVISION Langenfelder Farm Clearview Est Sec 2 LOT NO. 46 37 ST (56)

ROAD AND DESCRIPTION Maryland Route 108 and Shepherd Lane (12009 Misty Rise Court)

SIZE OF LOT 3.0 AC. TYPE BLDG. Residential  
(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]*  
(SIGNATURE OF APPLICANT)

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

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

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

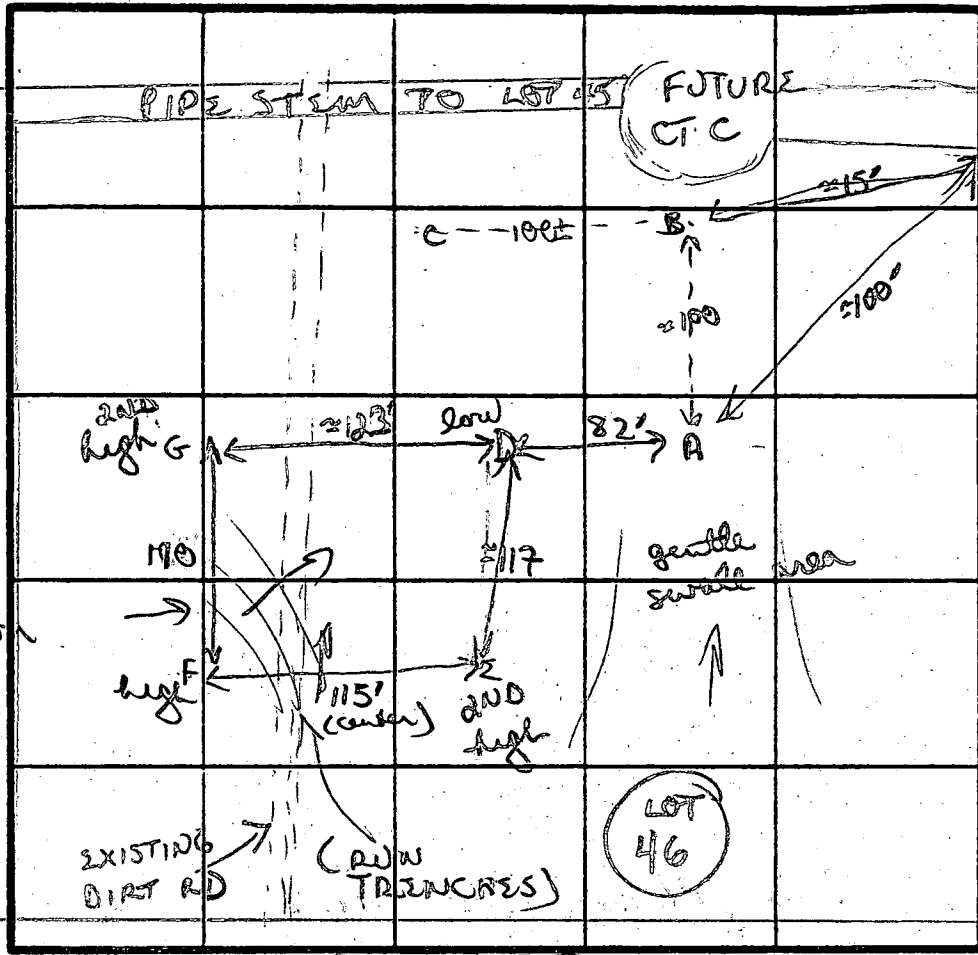
REASONS FOR REJECTION OR HOLDING for field located in area (good + land)

BLDG. PERMIT SIGNED  
AND RETURNED [Signature]  
Serial # 48829-SFD-  
4/Bms

# THIS IS NOT A PERMIT

**E + D**  
SOIL PROFILE

orange/red  
chunky  
clay/clay  
loam  
-4 1/2 layer  
of gravel  
with  
(2-3 1/2')  
changing to  
orange brown  
silty mica  
loam  
12'D



A  
orange brown  
chunky/silty  
loam  
-4'  
brown to  
darker brown  
silty mica  
loam  
not getting + few  
small balled  
chunks  
11 1/2 - 12'D  
12'

gritty orange/  
brown sandy  
clay mix  
-3 1/2'  
to tan  
brown  
powdery  
silty mica  
loam  
↓  
small balled  
13'D  
G  
gritty silty  
brown/orange  
loam  
tan brown  
layers of deep  
fellow  
powdery brown  
↓  
B'D

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/11/86	E	4 1/2'S	1053	1055	1055	1057	2 MIN	
		8' M	1053	1059	1059	1112	13 MIN	
		12'D	bottom (see profile)					
	F	4'S	1105	1106	1106	1108	2 MIN	
		13'D	bottom (see profile)					
	G	4'S	1109	1122	1122	1147	25 MIN	
		8' M	1109	1111	1111	1114	3 MIN	
		13'D	bottom (see profile)					
	D	4 1/2'S	1125	1126	1126	1127	1 MIN	
		12'D	bottom (see profile)					
	A	12'D	H.O. @ 12'D		NOT TESTED		fail	
	B+C	NOT DUG NOR TESTED - WOULD HIT H.O.						

REMARKS: shifted para field uphill cover due to H<sub>2</sub>O  
cheater soils; silty mica loams  
TESTED BY: B. Neff  
ALSO PRESENT: Jane, Neil

C1 0451

SEQUENCE NO. (DENY USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER

A 37818

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received grid

DATE WELL COMPLETED 070293

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. H0-42-0303

OWNER N.V. ... STREET OR RFD ... TOWN Clarksville ... SUBDIVISION ... SECTION ... LOT 56

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 FROM TO Check if water bearing

Handwritten well log table with columns for description and depth. Includes entries for Overburden, Sandstone, and Sandstone with water flow rates.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL CEMENT, BENTONITE CLAY NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD casing types insert appropriate code below ST CO PL OT STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing Total depth of main casing

OTHER CASING (if used) diameter inch depth (feet) from to

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

DEPTH (nearest ft.) grid for screen depth and slot size information

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

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)

CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS IDENT. NO. DRILLERS SIGNATURE

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



B 1 01251 SEQUENCE NO. (DP USE ONLY)  
1 2 3 4 5 6  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND  
PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER  
HD-92-0393  
70 fill in this form completely 78

Date Received (APA) 052893  
OWNER INFORMATION  
NU HOMED  
15 Last Name Owner First Name 34  
12215 SHADY GROVE RD  
36 Street or RFD 55  
ROCKVILLE MD 20850  
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
1 2  
HOWARD  
8 COUNTY 21  
CLEARVIEW ESTATES  
23 SUBDIVISION 42  
SECTION 44 46 LOT 56 48 50  
CLARKSVILLE  
52 NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) 1 MI  
73 76 77 78

DRILLER INFORMATION  
AUSTIN GARVER 1194  
Driller's Name 77 License No. 80  
Kaiser Sewer Well Driller  
Firm Name  
405 B Bell rd Frederick MD  
Address  
Kaiser Sewer 5/25/93  
Signature Date

B 4  
1 2  
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
NORTH  
N  
W 8-9  
E 8  
S 8-9  
S  
W 8-9  
SE 8-9  
TOWN  
NEAR WHAT ROAD 11 30  
12009 MISTY RISE CT  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH  
N  
W 32 E  
WEST EAST  
S SOUTH  
34 400 37  
DISTANCE FROM ROAD  
ENTER FT or MI FT 38 39

B 2 WELL INFORMATION  
1 2  
APPROX. PUMPING RATE (GAL. PER MIN.) 4  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 800  
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
22  INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)  
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)  
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
Howard A37818  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE DATE ISSUED 062393 6-23-94  
43 48 CO SIGNATURE EXP. DATE  
NORTH GRID 504000 EAST GRID 0819000  
50 55 57 63

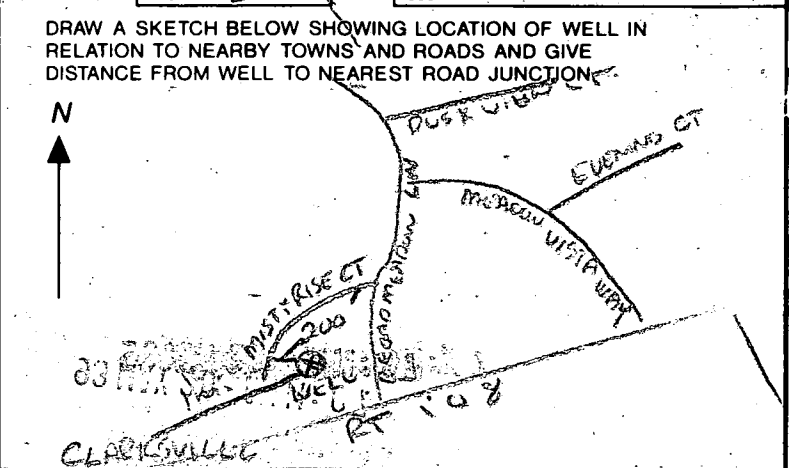
APPROXIMATE DEPTH OF WELL 400 FEET  
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)  
30 BORED (or Augered) JETTED Jettied & DRIVEN  
37 AIR-ROTary AIR-REccussion ROTARY (Hydraulic Rotary)  
CABLE REVerse-ROTary Drive-POINT  
Other

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER  
1. WELL  
2.  
3.  
WRITE THE BOX NUMBER FROM THE MAP HERE  
E 819  
N 508  
000  
000  
Ground 2:00 P.M. Well taken  
Location OK  
grout 13 bags 11/2/93

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)  
 THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
39  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY  
 THIS WELL WILL DEEPEM AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41



Not to be filled in by driller (OEP USE ONLY)  
APPROP. PERMIT NUMBER GAP  
54 63  
FORCE  WRITE INITIALS IN BOX PERMIT No. HD-92-0393  
67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

COUNTY

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043  
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt #     -0-      
Date 11/2/96

Name of Installer VAN SANT Pcbg. & RTG. Mt. Airy

Telephone 795-6566

License Number \_\_\_\_\_  
Certified Well Pump Installer

Well Driller

Registered Plumber

Name of Property Owner NV Homes  
Subdivision Clearview Lot # 56  
Site Address 12009 Misty Ridge Ct.

Telephone 258-0002  
Well Tag #     -    -    

Pump

- Type
  - Deep well jet
  - Shallow well jet
  - Submersible
- Make Goulds
- Model # TEKO 7-422
- Capacity 7 GPM
- Pump exceeds well capacity Yes  No
- If Yes, is low pressure cutoff switch installed? Yes  No
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors  Cable guards  Other

Motor

- Horsepower 3/4
- RPM
- Voltage     
  - 110
  - 220

Pitless Adapter

- Make Cambell
- Model # 6107
- Depth 48"

Tank

- Capacity 100
- Pressure relief valve?

Piping

- Type
- Size 1"
- NSF and/or BOCA Code approved
- Depth of supply line 48"

Well data

- Depth 320 ft.
- Yield 22 GPM
- Static water level      ft.
- 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: 11/2/96

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

