

01-347455

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 45661

A 38716

DISTRICT 4th

DATE 3/9/90

DATE SYSTEM APPROVED 3/12/90

INSPECTOR [Signature]

3/12/90
AM

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

Ridgely Brothers IS PERMITTED TO INSTALL X ALTER _____
ADDRESS 23712 Pleasant View Lane, Gaithersburg, MD 20882 PHONE 253-9636
SUBDIVISION Morgan Station ROAD 827 Iron Rail Court LOT 10
PROPERTY OWNER ZCL Partnership
ADDRESS _____

~~IF GARBAGE GRINDER IS USED TO INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 25%~~

GARBAGE GRINDER NO ~~YES~~XXXXXXXXXXXX

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 194 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - SHALLOW SYSTEM - Beginning from the rear corner where the 248.12 ft and the 104.64 ft lot line intersect go down the 104.64 ft for 100 feet. Turn in from that back line 80 feet put distribution box there. Run the trenches toward the right-of-way.

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

PLANS APPROVED BY Raymond HODges DATE 11/10/87

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

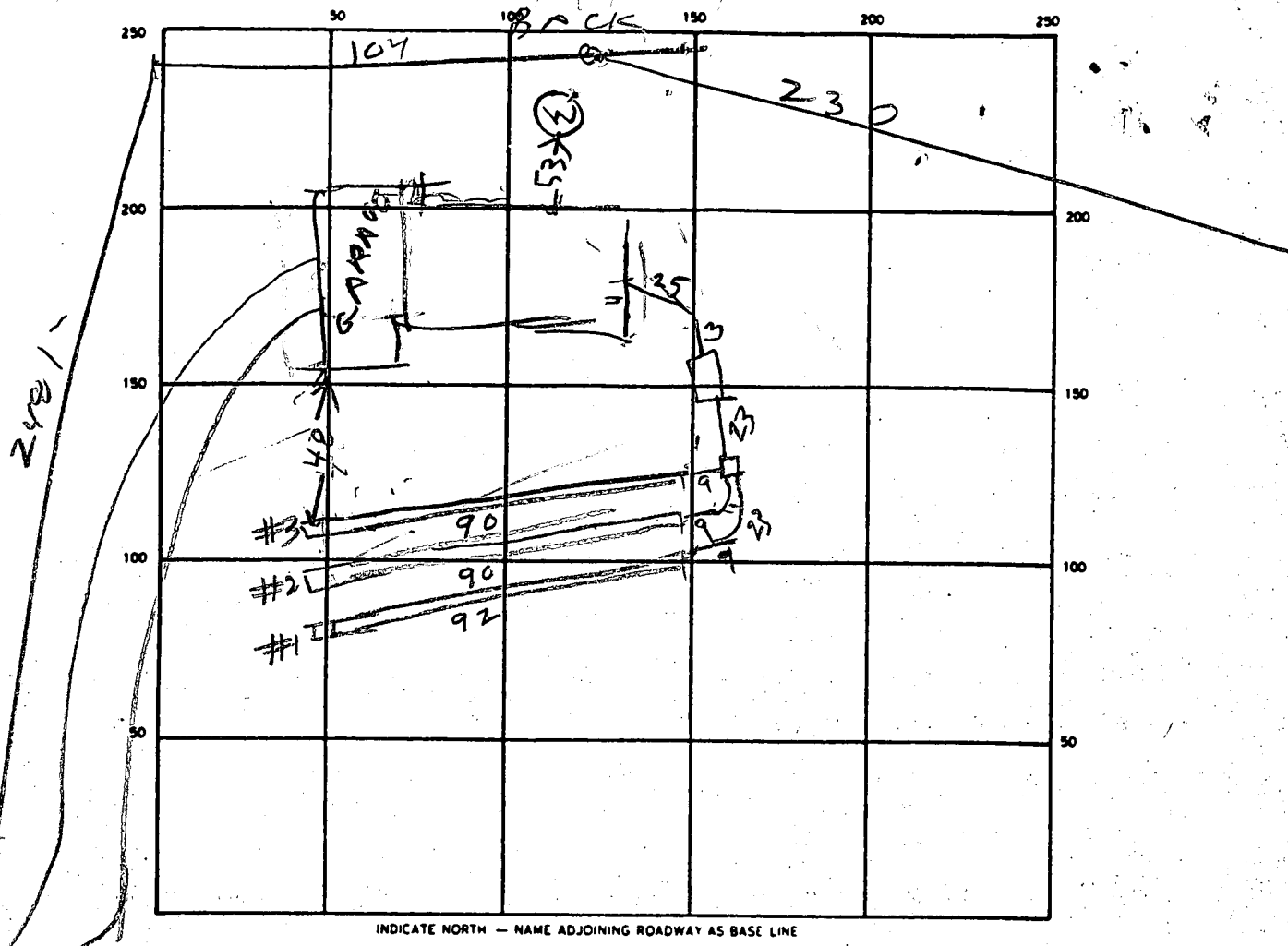
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 38716



SEPTIC TANK LEVEL 1250 CLEANOUTS ST OK

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TILE FIELD DEPTH 15 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 92 | 90 | 90 FT 272

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 816 SQ FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 3/12/90 LOCATION OK TRENCHES OK

DATE SYSTEM APPROVED 3/12/90 INSPECTOR Raymond Hodger

APPLICATION

PERCOLATION TESTING

A 38716

P _____

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

DISTRICT 4

DATE 12/17/86

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 Roy W. Cram + wife ZCH Partnership - 882-9006

ADDRESS 791 Morgan Station Rd PHONE 489-4995

PROSPECTIVE BUYER Hemphill Partnership

ADDRESS 10176 Baltimore National Pike Suite 210 PHONE 465-5855

PROPERTY LOCATION:

SUBDIVISION Morgan Station (~~Cram Property~~) LOT NO. 15

ROAD AND DESCRIPTION E/S Morgan Station Rd north of Old Frederick Rd (827 Iron Rail Court)

TAX MAP 3 PARCEL # 9

SIZE OF LOT 3 acres 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.

M. D. Reil
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4/30/87 PERC ON HOLD FOR PLAT RPT Note: Lot lines to be changed

BLDG. PERMIT SIGNED AND RETURNED 9/19/89
Serial # 28920-SFD-4 Beds

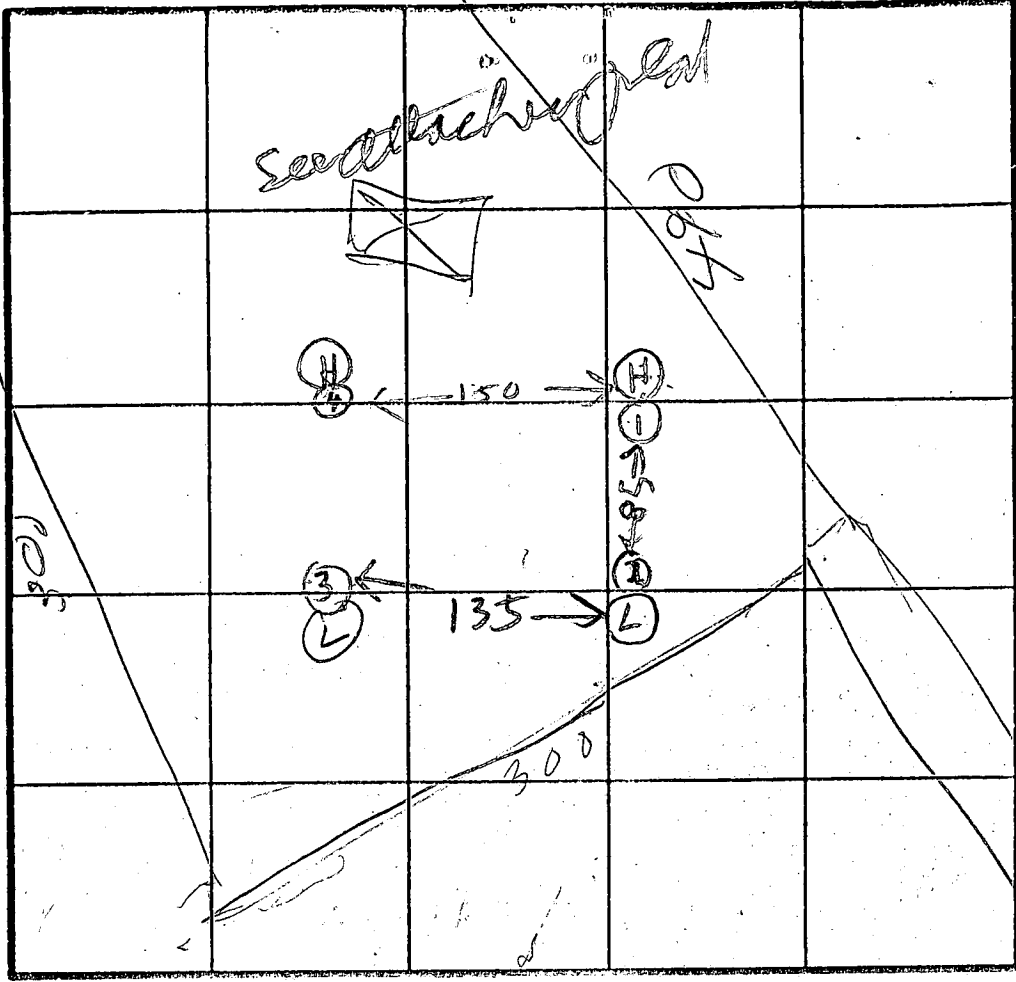
THIS IS NOT A PERMIT

15

12

SOIL PROFILE

CLAY
BROWN SAND LOAM



Hole Elevation
14 = HIGH
23 = LOW

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/2/87	1S	2.5	238	249	241	252	9
	1D	9	238	240	246	244	4
	1V	11	OK				
	2S	2.5	253	304	308	319	11
	2V	12	OK				
	3S	4	255	259	259	313	14
	3V	10.5	OK				
4/2/87	4V	11	OK				

air Time
9 min
max depth
3 FT
BOTTOM
5'
190 #1BR

34

BROWN CLAY
BROWN SAND LOAM

EH-12-1079

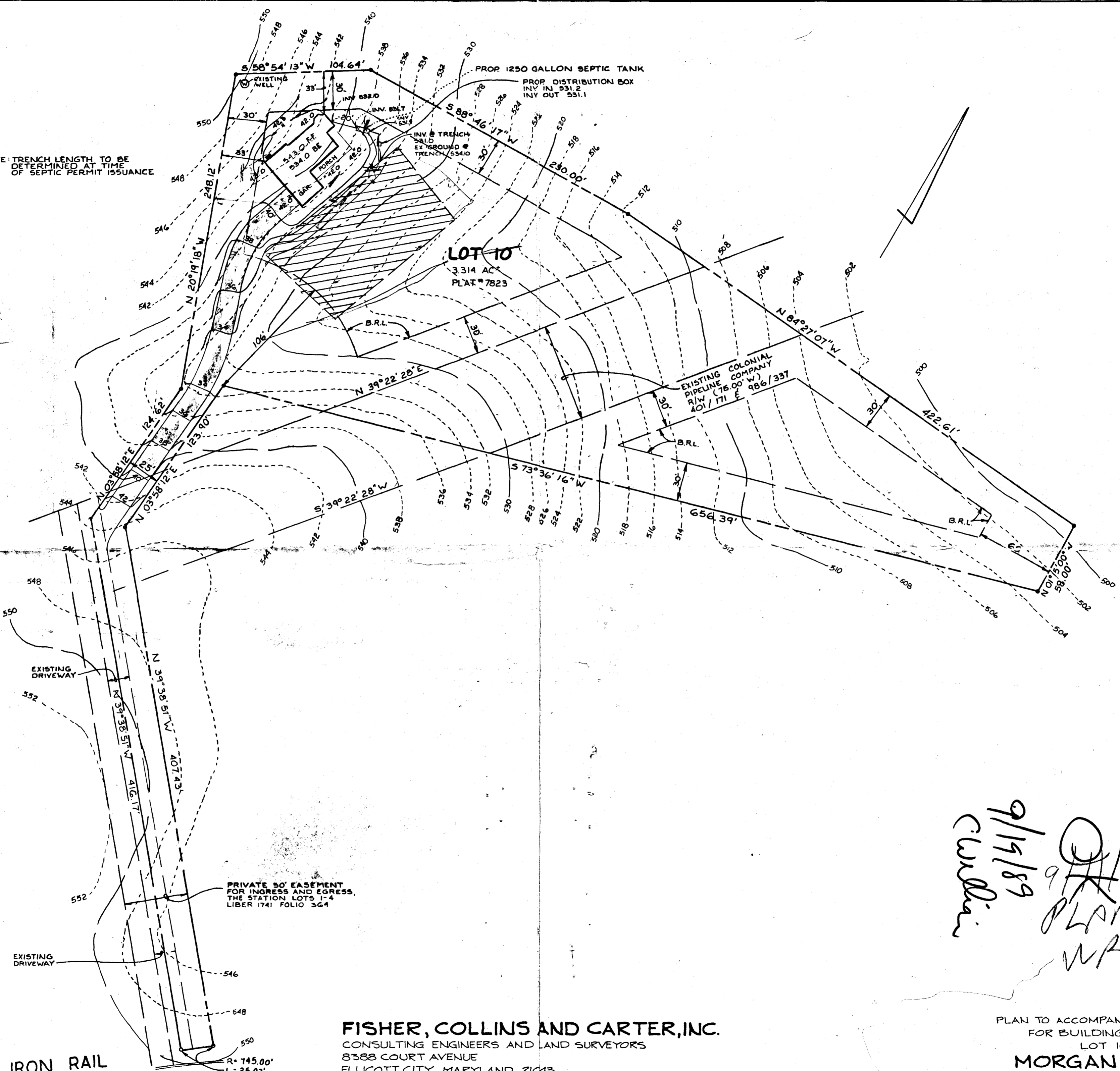
REMARKS Hole Dug Per Surveyor Plat attached

TYPE OF SOIL
TESTED BY [Signature]

ALSO PRESENT Dave [Signature]

NOTE: TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE

9/19/89



IRON RAIL COURT

PRIVATE 50' EASEMENT FOR INGRESS AND EGRESS, THE STATION LOTS 1-4, LIBER 1741 FOLIO 364

FISHER, COLLINS AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 TELEPHONE: (301) 461-2855

9/19/89
 Curblin
 PLANS WRONG

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT
 LOT 10
MORGAN STATION
 FOURTH ELECTION DISTRICT HOWARD COUNTY, MD.
 JUNE 14, 1989 SCALE: 1" = 50'

B 1 7395 SEQUENCE NO. (OEP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

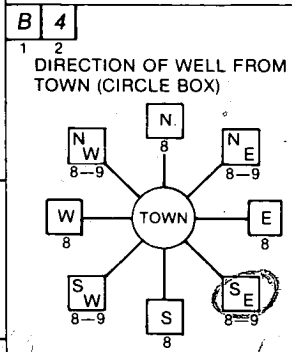
STATE OF MARYLAND PERMIT TO DRILL WELL
please print or type

OEP PERMIT NUMBER
40-81-2399
fill in this form completely

Date Received
OWNER INFORMATION
HEMPHILL E ASSOC
8307 MAIR STREET
ELLICOTT CITY MD 21043

B 3 LOCATION OF WELL
HOWARD
8 COUNTY MORRAN
21 THE SOUTHERN STATION
23 SUBDIVISION
SECTION 44 46 LOT 48 50
WOODBINE
52 NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) 2 MI

DRILLER INFORMATION
Ralph Mayne
273
Ralph Mayne (well drilling)
9120 Brown Church Rd. N.A. Hwy
Ralph Mayne 10/29/87



MORGAN STATION RD.
NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH
WEST EAST
SOUTH
600
DISTANCE FROM ROAD
ENTER FT or MI FL

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME
A 38710 COUNTY NO.
OEP SIGNATURE
DATE ISSUED 11/10/87
CO SIGNATURE B. Wilson
EXP. DATE 05/10/88
NORTH GRID 553000
EAST GRID 0786000

APPROXIMATE DEPTH OF WELL 150 FEET

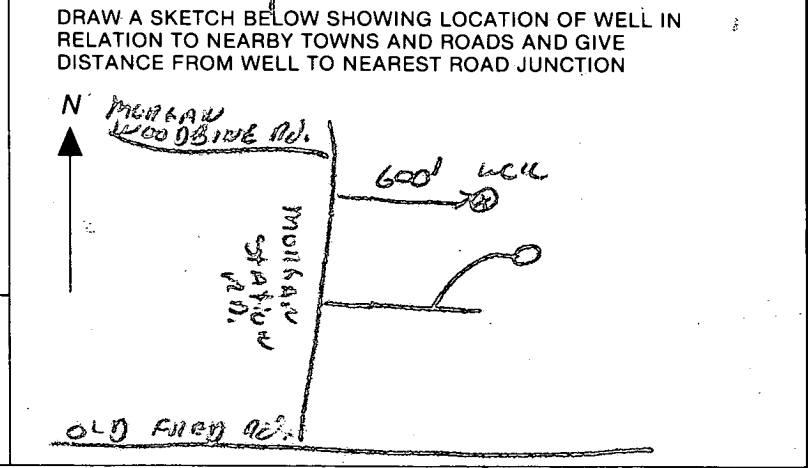
APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion 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 5806
N 5503

11/18/87
location as per stake
22' casing (2' above)
19' open
6 bags
120 sample taken

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



Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER GAP
FORCE INITIALS PERMIT No. 40-81-2399

SPECIAL CONDITIONS 465-5855 NEEDED FOR PRELIM PLAN APPROVAL

Page _____ of _____
 Date 11/18/87

Review OK'd (P) 11/25/87

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2399
 Location of property (road) MORGAN STATION ROAD
 Subdivision MORGAN STATION Lot 10 Block _____ Plat _____ Sec. _____
 Well Driller RALPH MAYNE Owner ASSOCIATES, HEMPHILL

Depth of well 205'
 Distance of measuring point (M.P.) above ground 2 ft
 Static water level (S.W.L.) below M.P. 49 ft

I. High rate pumping -- reservoir drawdown

Time pump started 9:30 Pumping rate 9 G.P.M.
 Total time 15 min to reach pumping water level 49 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 4 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)	
9:45	49 ft	7 sec	OK	9 G.P.M.	
10:00	49 ft	7 sec		9 G.P.M.	
10:15	49 ft	7 sec		9 G.P.M.	
10:30	49 ft.	7 sec		9 G.P.M.	
10:45	49 ft.	7 sec		9 G.P.M.	
11:00	49 ft	7 sec		9 G.P.M.	
11:15	49 ft	6 sec		10 G.P.M.	
11:30	49 ft	6 sec		10 G.P.M.	
11:45	49 ft	6 sec		10 G.P.M.	
12:00	49 ft	6 sec		10 G.P.M.	
12:15	49 ft	6 sec		10 G.P.M.	
12:30	49 ft	6 sec		10 G.P.M.	
12:45	49 ft	6 sec		10 G.P.M.	

22 ft PL 19 gpm to base

3/14/90

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 # 45667
Date 3/12/90

Name of Installer Thomas O. Johnson, Sr.

Telephone 301-857-1316

License Number 4548

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner Jerry Jones

Telephone 381-3579

Subdivision Morgan Station Lot # 20

Well Tag # HD-81-2399

Site Address 827 Iron Rail Ct. Lisbon, Md

Pump

- 1. Type
 - a. Deep well jet
 - b. Shallow well jet
 - c. Submersible
- 2. Make Goulet
- 3. Model # 7EHD5
- 4. Capacity 7 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

Motor

- 1. Horsepower 1/2
- 2. RPM 3500
- 3. Voltage
 - a. 110
 - b. 220

Pitless Adapter

- 1. Make Harvard
- 2. Model #
- 3. Depth 4 ft

Tank

- 1. Capacity 82
 - 2. Pressure relief valve? 75.16
- P.A. 5.5' B.G. MR
OK 3/14/90

Piping

- 1. Type 1/2" soft plastic
- 2. Size 1"
- 3. NSF and/or BOCA Code approved yes
- 4. Depth of supply line 4'

Well data

- 1. Depth 200 ft.
- 2. Yield GPM
- 3. Static water level ft.
- 4. Will water supply be disinfected by installer? No

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: Thomas O. Johnson Sr.

Date: 3-12-90

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

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

December 2, 1987

Hemphill & Associates
8307 Main Street
Ellicott City, Maryland 21043

RE: Morgan Station - Lot 10
Well Number: HO-81-2399
Morgan Station Road

To Whom It May Concern:

At the time of the yield test on the above referenced lot, the water sample taken showed an above normal iron content and/or turbidity index and an above nitrate-nitrogen concentration (See enclosure). These problems are potentially correctable with the use of treatment filters.

Approval of this water supply at the time sampling for use and occupancy will depend on the installation of an iron removal device and a nitrate removal system. Both of these devices should bring the water supply in compliance with the State Regulations.

The nitrate-nitrogen level was present at a concentration of 15.5 parts per million. Comar 10.17.13.09 prohibits approval of any water supply with a nitrate-nitrogen contaminant level in excess of 10 parts per million.

This department will grant a Permanent Deviation from that regulation if a nitrate removal device is installed that effectively maintains the nitrate-nitrogen contaminant level below the 10 parts per million requirements. Once this device is installed, it will be necessary for you to comply with the following conditions before a Final Certificate of Potability can be issued:

1. Within six months, you must have your water re-tested to insure that the installed nitrate removal system is operating properly. Thereafter a yearly nitrate analysis is recommended.
2. There must be continuing service contract with a plumbing contractor or water treatment service company to maintain the efficiency of the nitrate removal device. You must supply this Department with a copy of that contract.

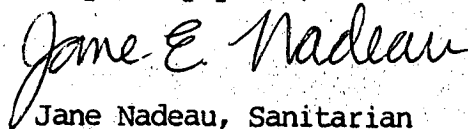
December 2, 1987

3. If in the future, you decide to sell or rent your home, you must make any potential buyer/tenant aware of the above condition.

If the above conditions are not improved by the installations of these treatment devices, then reconstruction or replacement of the well will be required.

If you have any questions relative to this matter, or if these devices have been installed and you are ready for resampling, please call me at 461-9933.

Very truly yours,



Jane Nadeau, Sanitarian
Water and Sewerage Program

JN:JR

Enclosure



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

February 5, 1991

Reply to:

Mr. Jerry Jones
827 Iron Rail Court
Woodbine, Maryland 21797

RE: 827 Iron Rail Court
Well Permit No. HO-81-2399

Dear Mr. Jones:

The water sample taken showed an above normal nitrate-nitrogen concentration. A copy of the test results is enclosed. This problem is potentially correctable with the use of a suitable treatment nitrate unit.

Approval of this water supply at the time sampling for use and occupancy will depend on the installation of an nitrate removal system. This device should bring the water supply in compliance with the State Regulations.

The nitrate-nitrogen level was present at a concentration of 13.5 parts per million. COMAR 26.04.04.09 prohibits approval of any water supply with a nitrate-nitrogen contaminant level in excess of 10 parts per million.

This department will grant a Permanent Deviation from that provision of the regulation if a nitrate removal device is installed that effectively maintains the nitrate-nitrogen contaminant level below 10 parts per million requirements. Once this device is installed, it will be necessary for you to comply with the following conditions before a Final Certificate of Potability can be issued:

1. Within six months, you must have your water re-tested to insure that the install nitrate removal system is operating properly. Thereafter a yearly nitrate analysis is recommended.

Bureau of Environmental Health

3525 Ellicott Mills Drive Ellicott City, Maryland 21043-4544

Director 461-9956 Water and Sewerage, Permits 461-9933 Community Environmental Health 461-9944

Technical Services 461-9955

February 5, 1991

2. There must be continuing service contract with a plumbing contractor or water treatment service company to maintain the efficiency of the nitrate removal device. You must supply this Department with a copy of that contract.
3. If in the future, you decide to sell or rent your home, you must make any potential buyer/tenant aware of the above condition.

If the above conditions are not improved by the installation of this treatment device, then reconstruction or replacement of the well will be required.

If you have any questions relative to this matter, or if this device has been installed and you are ready for resampling, please call me at 461-9933.

Very truly yours,

Charles Streaker

Charles Streaker, Sanitarian
Water and Sewerage Program

CB/cm

Enclosure

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

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December 2, 1987

Hemphill & Associates
8307 Main Street
Ellicott City, Maryland 21043

RE: Morgan Station - Lot 10
Well Number: HO-81-2399
Morgan Station Road

To Whom It May Concern:

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Approval of this water supply at the time sampling for use and occupancy will depend on the installation of an iron removal device and a nitrate removal system. Both of these devices should bring the water supply in compliance with the State Regulations.

The nitrate-nitrogen level was present at a concentration of 15.5 parts per million. Comar 10.17.13.09 prohibits approval of any water supply with a nitrate-nitrogen contaminant level in excess of 10 parts per million.

This department will grant a Permanent Deviation from that regulation if a nitrate removal device is installed that effectively maintains the nitrate-nitrogen contaminant level below the 10 parts per million requirements. Once this device is installed, it will be necessary for you to comply with the following conditions before a Final Certificate of Potability can be issued:

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