

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXXXX~~ 410-313-2640

P 512670

A 41978

DISTRICT \_\_\_\_\_

DATE 8/19/99

DATE SYSTEM APPROVED 8/31/99

INSPECTOR S.R.K.

04-355121

### INDEXED

W & W Plumbing & Heating Contractors, Inc. IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 1202 Allview Drive, Hampstead, MD 21074 PHONE 410-239-8390

SUBDIVISION Choi Property LOT 15 ROAD 3380 Danmark Drive

PROPERTY OWNER Rob Foy

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 225

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 - Place the distribution box 190 feet down the right lot line and 105 feet off this same lot line as seen when facing the lot from Danmark Drive. Run trenches along 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. 4/16/99 OR AD

PLANS APPROVED BY Donna K. Soe DATE 4-14-1999

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**

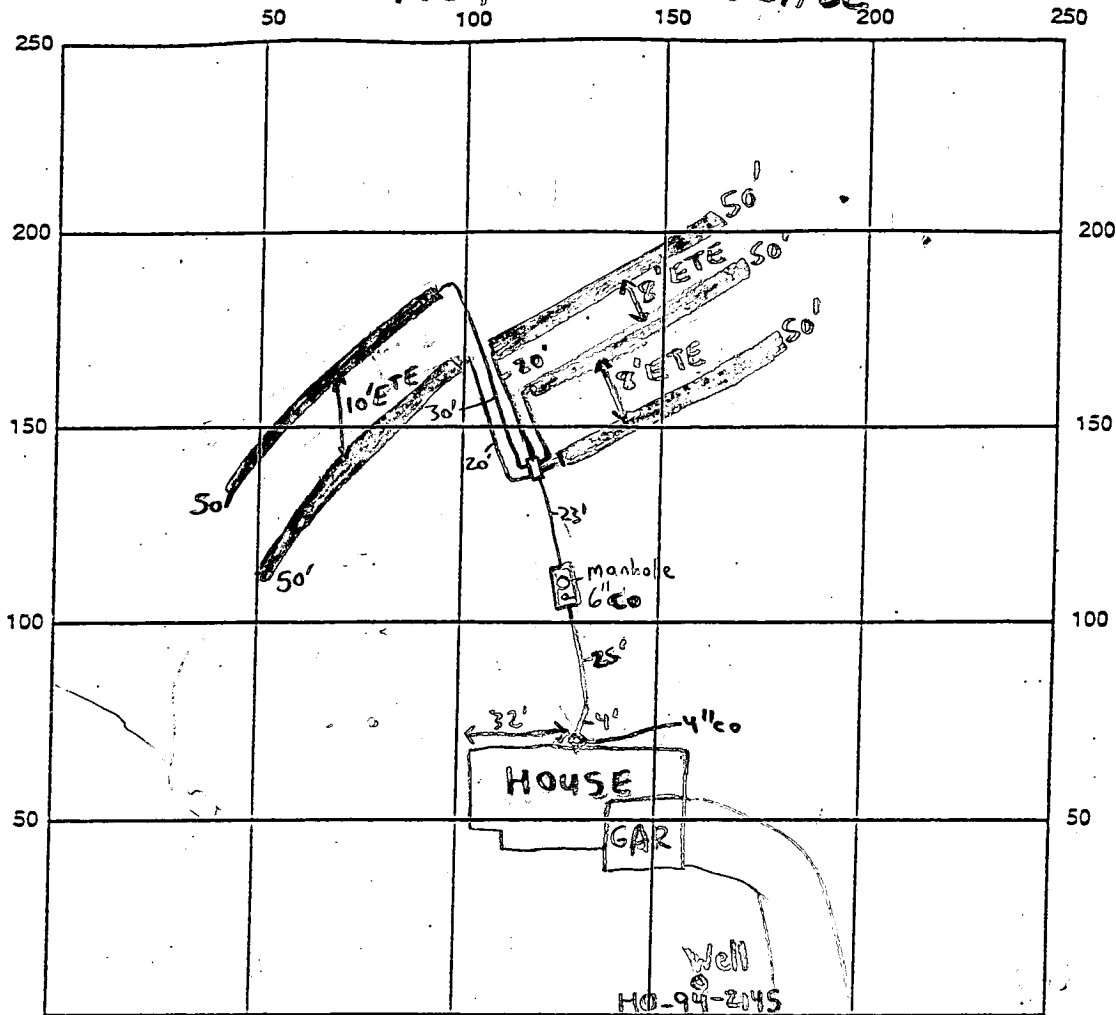
HD-260(5-90)

\*CALL 451-9933 FOR INSPECTION OF SEPTIC SYSTEM.

PERMIT STOP  
AND RETURNED 9-30-99  
Serial # B 1012 0592  
Howe Environmental Services Ltd

41978

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
DANMARK DRIVE

SEPTIC TANK LEVEL 1250 midseam CLEANOUTS 4" @ House, 6" @ Tank, Manhole @ Tank

DISTRIBUTION BOX LEVEL Baffle is in

DRAIN FIELD/TILE DEPTH 7.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 250 FT.

NUMBER OF TRENCHES 5 ONE SIDEWALL BOTTOM AREA 1000 SQ. FT.

DRYWELL DRYWELL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 8/25/99 - OK TO CONTINUE WORK (SRW) 8/30/99 - OK TO CONTINUE WORK (SRW)  
8/30/99 - OK TO CONTINUE WORK (SRW) 8/31/99 - OK TO COVER ALL WORK (SRW)  
9/17/99 - WPS OK (SRW)

DATE SYSTEM APPROVED 8/31/99 INSPECTOR Steven R. Krieg

# APPLICATION

PERCOLATION TESTING

A 41978

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

P \_\_\_\_\_

DISTRICT 4TH

DATE March 10, 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 Sang Ho Company, Inc.

ADDRESS 8100 Cooper Street, Alexandria, Va. 22309 PHONE (703) 239-7541

PROSPECTIVE BUYER Unknown

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Choi Property LOT NO. 19

ROAD AND DESCRIPTION North side of Burrowswood Rd., 1890' East of Hedges Road.

TAX MAP 14 PARCEL # 106

SIZE OF LOT 3.00 Acre Minimum TYPE BLDG S.F.O.  
(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.

Dennis M. Bush  
(SIGNATURE OF APPLICANT)

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

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

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

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

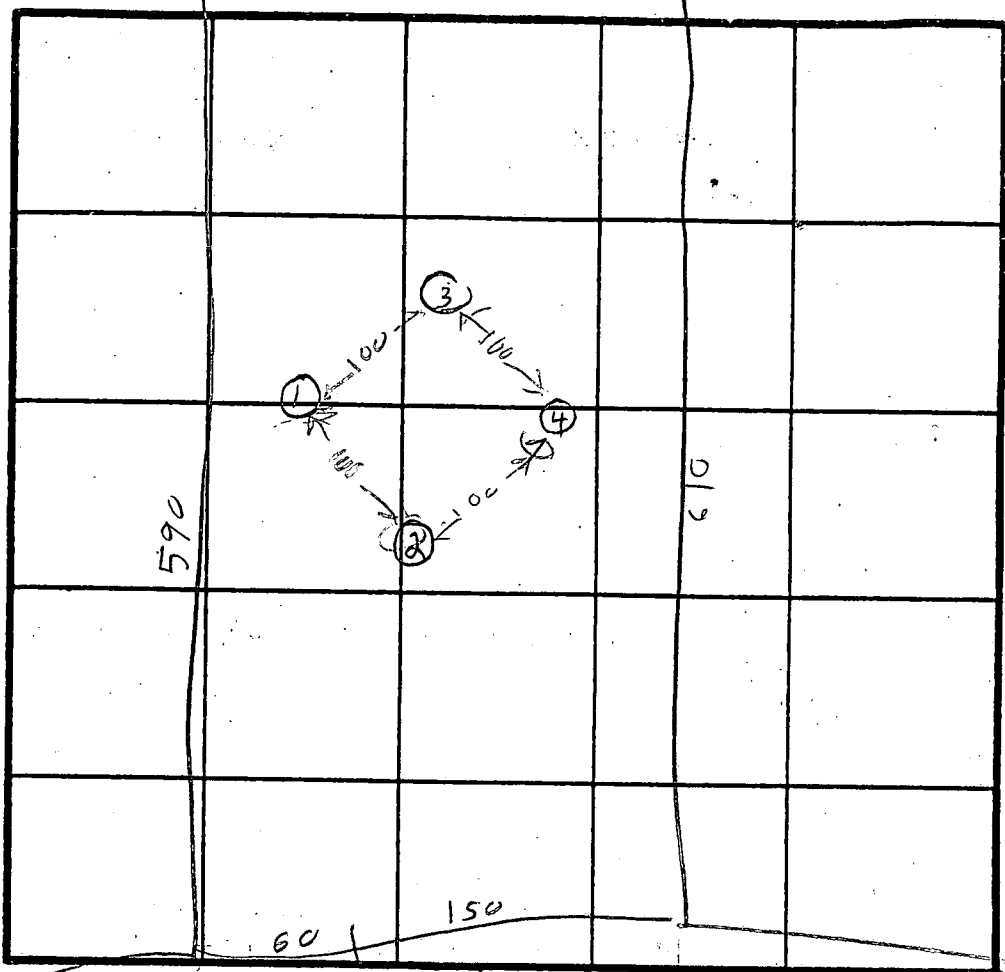
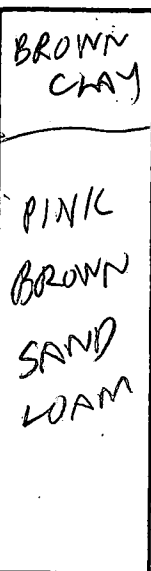
BLDG. PERMIT SIGNED  
AND RETURNED 3/11/88  
B00116787 SPA

HD-216

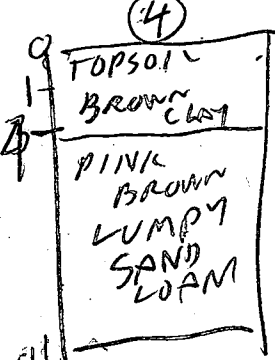
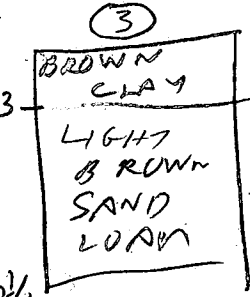
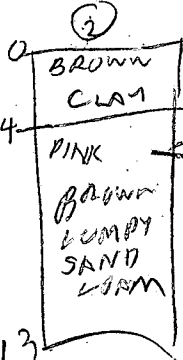
# THIS IS NOT A PERMIT

LOT 15  
41978

SOIL PROFILE



X 6 MIN  
180 IN  
INLET 3 1/2  
BOTTOM 7 1/2



TOP GRANITE WOODS RD INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
PROPOSED DAM MARK 12 1/2

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/8/88	1S 1V	5 13.5	931 OK	934	934 943	9	
9/8/88	2V	13	OK				
	3S 3V	3.5 12.5	949 OK	951	951 956	5	
	4S 4V	5.5 7.5	959 959	1000 1000	1000 1000	1002 1002	2
	4V	11.5	OK				

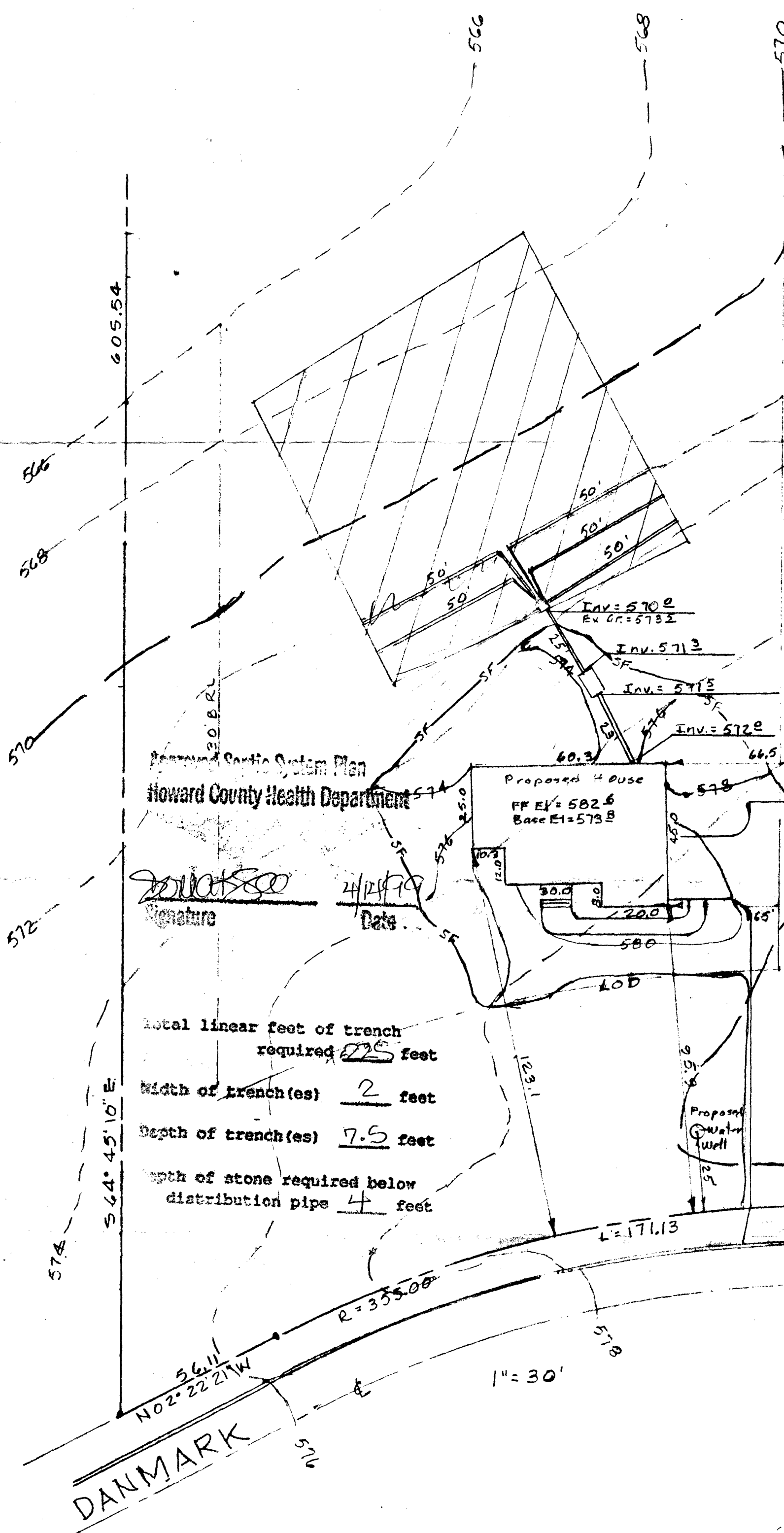
REMARKS Holes dug for Surveyor Plant

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

TESTED BY B. Hodges ALSO PRESENT ROCKY & SKIP OF FLOCK







Approved Septic System Plan  
 Howard County Health Department

*[Signature]*  
 Signature \_\_\_\_\_ Date 4/12/99

Total linear feet of trench  
 required 725 feet  
 Width of trench(es) 2 feet  
 Depth of trench(es) 7.5 feet  
 Depth of stone required below  
 distribution pipe 4 feet

DANMARK

1" = 30'

Fax # 410-313-2648

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

~~410-313-2648~~ 410-313-2640

APPLICATION FOR FITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X  
replacement \_\_\_\_\_

Receipt # \_\_\_\_\_  
Date 9-17-99

Name of Installer BREEDEN MECHANICAL, INC

Telephone 703-631-1111

License Number 11406

Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber X

Name of Property Owner Robert & Anne Marie Fey

Telephone 301-490-1845

Subdivision Chel Property Lot # 19

Well Tag # HC-94-2145

Site Address 380 Danmarch Drive

Pump

- Type
  - Deep well Jet \_\_\_\_\_
  - Shallow well Jet \_\_\_\_\_
  - Submersible X
- Make Scow
- Model # 50307422
- Capacity 7 GPM
- Pump exceeds well capacity Yes X No \_\_\_\_\_
- If Yes is low pressure cutoff switch installed? Yes X No \_\_\_\_\_
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors X Cable guards X Other \_\_\_\_\_

Motor

- Horsepower 3/4
- RPM 3450
- Voltage \_\_\_\_\_
  - 110 \_\_\_\_\_
  - 220 X

Fitless Adapter

- Make McQuay-Norris
- Model # B-10X
- Depth 48"

Tank

- Capacity 15 Gallon
- Pressure relief valve? YES

Piping

- Type 200PSI Polyethylene
- Size 1"
- NSF and/or BCCA Code approved YES
- Depth of supply line 48

Well data

- Depth 200 ft.
- Yield 2.5 GPM
- Static water level 40 ft.
- 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.

WPI OK  
9/17/99-SRW

Signature of Applicant: Donald Fey  
Date: 9-17-99

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

C1 9643

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A 41978

FILL IN THIS FORM COMPLETELY PLEASE TYPE

ST/CO USE ONLY DATE Received MM DD YY 8 13

DATE WELL COMPLETED MM DD YY 3/15/99 15 20

Depth of Well 22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" NO. 94 2145 28 29 30 31 32 33 34 35 36 37

OWNER Collins Mike STREET OR RFD Tanmark Drive TOWN Glenwood SUBDIVISION Chas. Property SECTION LOT 15

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Brown Shale, Brown Mica, Tan Mica, Gray Mica.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 19 NO. OF POUNDS 1700 GALLONS OF WATER 95 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 64 ft.

CASING RECORD

MAIN CASING TYPE (S) (T) (P) (L) (C) (O) (J) (S) Nominal diameter: top (main) casing (nearest inch)! Total depth of main casing (nearest foot)

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

SCREEN RECORD

screen type or open hole (S) (B) (H) (P) (L) (O) (T) DEPTH (nearest ft.)

PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 2.5 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 32 ft. WHEN PUMPING 190 ft. TYPE OF PUMP USED (for test) (S) submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES) (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate 'box and enter casing height) (+) above LAND SURFACE (-) below 2 (nearest) foot

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N)

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

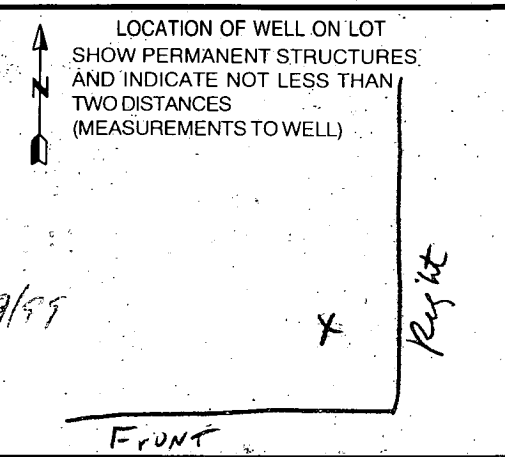
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 MWD 040 George F. Esterling DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 JWD 038 Bruce Thompson

Table with columns: E, A, C, H, S, R, E, N. Rows include slot size and diameter of screen.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.) CC 4/19/99 WQ



B 1	<b>8706</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <b>HO - 94 - 2145</b> <small>70 fill in this form completely 79</small>
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Date Received (APA) **02/17/99**

**OWNER INFORMATION RN 7751**

15 Last Name **Collins** Owner **Mike** First Name 34

36 Street or RFD **P. O. Box 511** 55

57 Town **Burtonsville, Md 20866** 70 State 72 Zip 76

**LOCATION OF WELL**

B 3 **Howard** COUNTY 21

**Choi Property** 23 SUBDIVISION 42

SECTION **15** LOT **48** 44 46 48 50

**Glenwood** 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **2** M I 73 76 77 78

**DRILLER INFORMATION**

**George F. Easterday** M **040** 76 License No. 81

**L. Franklin Easterday, Inc.** Firm Name

**9265 Brown Church Rd.. MT. Airv. Md. 21771** Address

*George F. Easterday* Signature **2/16/1999** Date

**Danmark Drive** 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH  WEST  EAST  SOUTH

34 **40** 37 DISTANCE FROM ROAD 38 39 Ft

ENTER FT OR MI

TAX MAP: \_\_\_\_\_ BLK: \_\_\_\_\_ PARCEL \_\_\_\_\_

**WELL INFORMATION**

1 2 **5** APPROX. PUMPING RATE (GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500** 14 20

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22  INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

**HOWARD** COUNTY NAME **A 41978** COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S \_\_\_\_\_

DATE ISSUED **02/19/99** 43 MM DD YY 48 CO SIGNATURE *[Signature]* EXP. DATE **02/28/00**

NORTH GRID **000** EAST GRID **000**  
50 55 57 63

APPROXIMATE DEPTH OF WELL **300** FEET 24 28

APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST

**METHOD OF DRILLING (circle one)**

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)

37 CABLE REVerse-ROTary DRive-POINT

other \_\_\_\_\_

**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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**

APPROP. PERMIT-NUMBER 54 \_\_\_\_\_ G.A.P. 63

PERMIT No. **HO - 94 - 2145**  
70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. **wells**

2.

3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E **790** 000 000

N **520**

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

MAP **E6**

*Sketch showing Danmark Dr and Burtonsville Rd*



