

02-339714
PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

INDEXED

DATE SYSTEM APPROVED 11/17/93

INSPECTOR C. B. S.

P 49675

A 38519

DISTRICT 2nd

DATE 10/13/93

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 **PHONE** 865-4197

SUBDIVISION Burleigh Manor **LOT** 684 **ROAD** 3898 Whitebrook Lane

PROPERTY OWNER Young & Inwha Cho

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 5 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from front left lot corner as seen from Kingsbridge Road, place distribution box 180 feet down left lot line, and 95 feet off this same lot line. Run trenches on contours toward right lot line, while maintaining 100 feet from well on adjacent lot 683.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 4/23/93 RH

PLANS APPROVED BY Mark Rifkin/Raymond Hodges **REVISED** **DATE** 3/24/93

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 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.

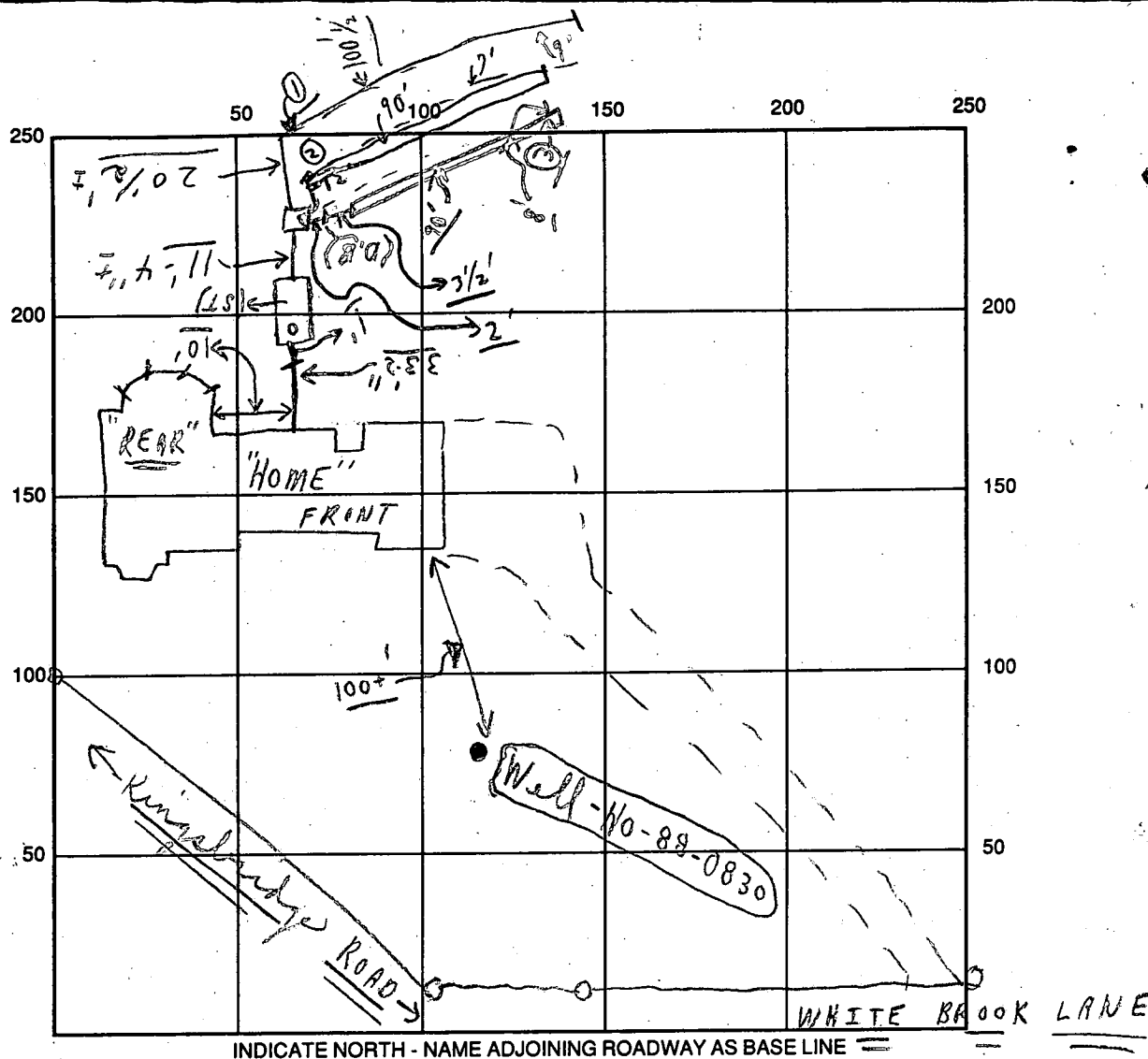
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

HD-260(6-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A 38519



SEPTIC TANK LEVEL OK CLEANOUTS S.T. OK

DISTRIBUTION BOX LEVEL OK (Baffles is in)

DRAIN FIELD/TITLE DEPTH 7 + average FT. TRENCH WIDTH 3 FT. INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. { 1 100' + 2 90' 3 90' } TOTAL LENGTH (280) FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 840 SQ. FT.

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

ABSORBENT AREA 840 + SQ. FT.

REMARKS: Partial "M. Hold for a call on 11/17/93; "M. ok to cover from home, to dist. box and farthest trench #1 direct
ends - 1 on paper + stone; C.B. 11/17/93 #2 Trench of the
covers as finish - left 8' and #0 trench C.B.; Partial A.M.;
11/17 P.M. Final - Trench #3 is ok to cover - all done - as finish.
(11/17 W.P.I. -) - OK to cover - Final C.B. (Material on site)
Late P.M.
 DATE SYSTEM APPROVED 11/12/93 INSPECTOR Charles Bryan Stenker

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

A 38519

P _____

DISTRICT _____

DATE 1-28-87

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 Stewart J. Greenebaum Young + Inwha Cho
Gerald M. Katz, Trustee c/o Whitman, Requardt and Associates

ADDRESS Suite 410, Woodhome Center 484-8400
2315 Saint Paul Street, Baltimore, MD 21218 PHONE (301)-235-3450
1929 Reisterstown Rd, Baltimore, MD 21208

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Burleigh Manor Section 2 LOT NO. lot 684 on Prelim

ROAD AND DESCRIPTION West of the intersection of Centennial Lane and Old Annapolis Road
3898 Whitebrook Lane
Ellicott City, MD 21043

TAX MAP 23, 24 PARCEL # 290

SIZE OF LOT 3 A.C. TYPE BLDG. Single Family Dwelling
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY B. Wixen FOR shallow system DATE 2/9/88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4-9-87 Rec. Satisfactory; Hold for subdivision Plat. S.A.M.

BLDG. PERMIT SIGNED

AND RETURNED 3/24/93

Serial # 47770 - SFD -

4 Bdrms

BLDG. PERMIT SIGNED

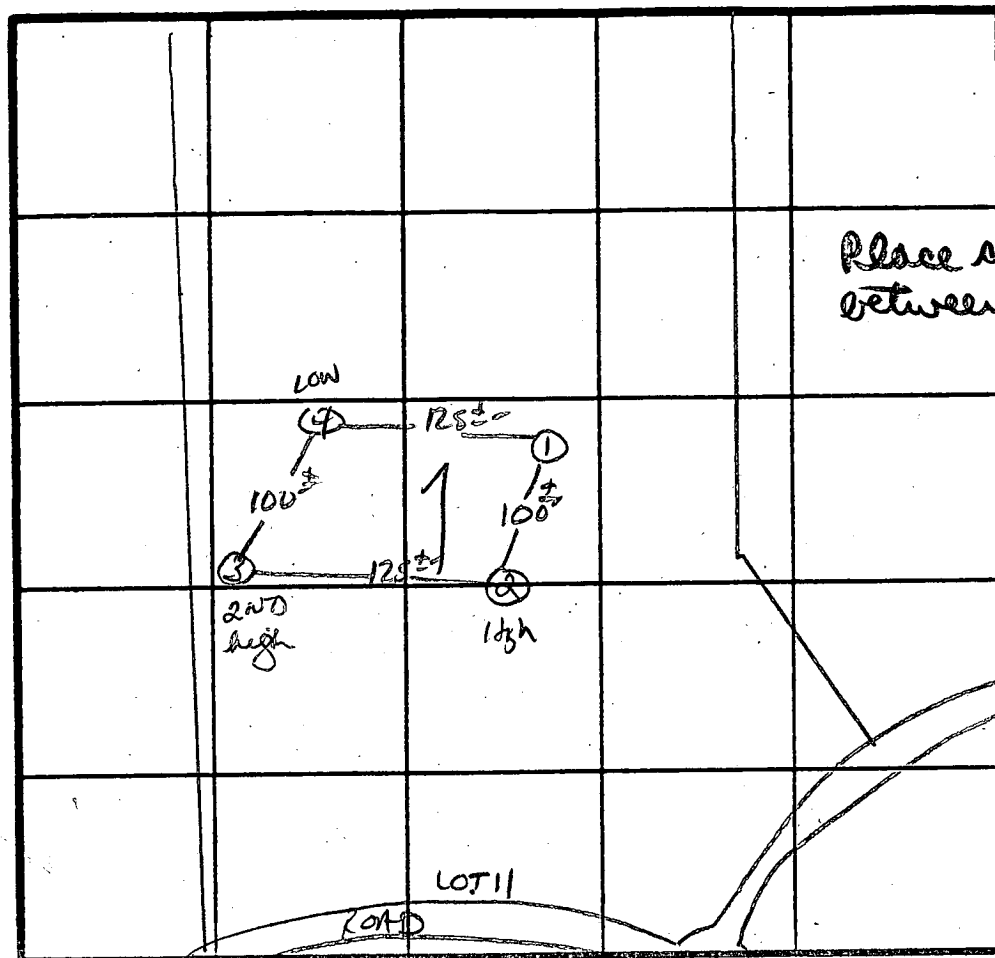
AND RETURNED 9-22-87

BP # 29750 5 bdrms

THIS IS NOT A PERMIT

① ②
SOIL PROFILE

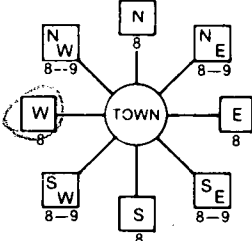
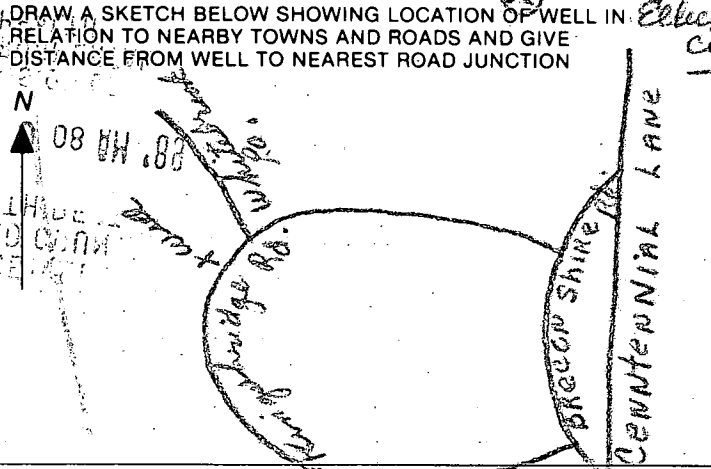
4" A1-3
Red Br
Silty loam
12-15% clay
10-15% frags
4.5-6' Yellow Br
Silty loam
20-25%
Fragments
12-13'



X PERC
12 MIN
200#/BR
INLET 5'
BOTTOM 7'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/9/87	1 S	6"	11:31	11:46	11:46	12:15	29 MIN
	1 V	13"	UNIFORM SOIL below 6"		6"		
	2 S	6"	11:48	11:54	11:54	12:04	10 MIN
	2 V	13"	UNIFORM SOIL below 6"		6"		
	3 V	10"	HARD BOTTOM		UNIFORM below 4"		
	4 S	5"	11:59	12:01	12:01	12:04	3 MIN
	4 M	8"	12:06	12:07	12:07	12:10	3 MIN
	4 V	13"	UNIFORM below 4.5"				

REMARKS Holes per unit / Keep syst. shallow.
 TYPE OF SOIL Chester
 TESTED BY S. Abel ALSO PRESENT Skipp, Roney

B 1 5648 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (DP USE ONLY) 5648	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-88-0830 fill in this form completely
Date Received (APA) 052389 OWNER INFORMATION GREENBAUM ROSE ASS 1777 BELMONT AVE BALTIMORE MD 21208		B 3 LOCATION OF WELL 40 HARRIS 23 RIPLEIGH MANOR SECTION 2 LOT 684 ELLICOTT CITY MILES FROM TOWN (enter 0 if in town) 3 1/2 MI	
DRILLER INFORMATION Joseph L. MAYNE Driller's Name Joseph L. Mayne Well Drilling Firm Name 5512 RIDGE RD. MT. AIRY 21771 Address Joseph P. Mayne Signature 5/22/89 Date		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  NEAR WHAT ROAD Kingsbridge Rd. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  DISTANCE FROM ROAD 40 FT ENTER FT or MI FT	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard COUNTY NAME A38519 COUNTY NO. STATE SIGNATURE DATE ISSUED 07-05-89 CO SIGNATURE Mark E. Riffin EXP. DATE 1/5/90 NORTH GRID 520000 EAST GRID 0834000	
USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ 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)		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 834 N 520	
APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH 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		7-25-89 GROUT 33' OPEN 42' CASING 8 BAGS 1' CASING A.B. GROUT NOT OBS'D MR 7/26/89 well 2	
REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
Not to be filled in by driller (OEP USE ONLY)			
APPROP. PERMIT NUMBER 54 GAP 63			
FORCE MR WRITE INITIALS IN BOX PERMIT No. 40-88-0830			
SPECIAL CONDITIONS			

C1 0100 SEQUENCE NO. (DENV USE ONLY)
1 2 3 4 5 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

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

COUNTY
NUMBER A38519

ST/CO USE ONLY
DATE Received

8 13

DATE WELL COMPLETED

07 06 87

Depth of Well

22 165 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

HD-85-0830
28 29 30 31 32 33 34 35 36 37

OWNER Greenbaum & Assoc last name Kingsbridge first name TOWN Ellicott City
STREET OR RFD
SUBDIVISION BURLEIGH MANOR SECTION LOT 1884

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

SAND STONE 0 38
GRAY MUD 38 165

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

yes no
Y N
44 44

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 8 NO. OF POUNDS 752

GALLONS OF WATER 48
DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 33 ft.
48 TOP 52 BOTTOM 58
(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

ST CO
STEEL CONCRETE
PL OT
PLASTIC OTHER

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

S 1 6 42
60 61 63 64 66 70

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

EACH CASING

screen type or open hole insert appropriate code below

ST BR HO
STEEL BRASS OPEN HOLE
PL OT
PLASTIC OTHER

C2

DEPTH (nearest ft.)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)

from to

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) W Q
70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 12

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 30

WHEN PUMPING 50

TYPE OF PUMP USED (for test)

A air P piston T turbine
C centrifugal R rotary O other (describe below)
J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

above below LAND SURFACE (nearest foot)

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
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 IDENT. NO. 238

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

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 # _____
Date _____

Name of Installer ROD. L. FEERER CO., INC.

Telephone 781-4657

License Number 2122
Certified Well Pump Installer ☒

Well Driller ☐

Registered Plumber ☒

Name of Property Owner YOUNG & INWHA CHO
Subdivision THE PRESERVES @ BUNKER Lot # 684
Site Address 3918 ST. JOHNS LN.

Telephone 795-2405
Well Tag # HO-88-0830

Pump

1. Type

- a. Deep well jet _____
b. Shallow well jet _____
c. Submersible ☒

2. Make DEMING (CERESWOLD)

3. Model # 3ALN

4. Capacity 3 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 3450
3. Voltage _____
a. 110 _____
b. 220 ☒

Pitless Adapter

1. Make HANAUER
2. Model # PT800
3. Depth 42"

Tank CAPTIVE AIR

1. Capacity WX250
2. Pressure relief valve? YES

Piping

1. Type PVC
2. Size 1"
3. NSF and/or BOCA Code approved YES
4. Depth of supply line 42' +

Well data

1. Depth 165 ft.
2. Yield 7 GPM
3. Static water level ? ft.
4. Will water supply be disinfected by installer? YES

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: 3/12/94

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

Designed & Printed by PARAGON Design & Drafting

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0830
Location of property (road) Kingsbridge Rd
Subdivision BURLEIGH MANOR Lot 1684 Block Plat Sec.
Well Driller J. Mayne Owner Greenbaum & Assoc

Depth of well 168
Distance of measuring point (M.P.) above ground 1'
Static water level (S.W.L.) below M.P. 30'

I. High rate pumping -- reservoir drawdown

Time pump started 7:00 Pumping rate 15 gpm.
Total time 15 min. to reach pumping water level 50 ft. below M.P.

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

[illegible]