

3/11/94  
3/14/94  
ADAP

03-314588

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49806

A 39583

DISTRICT 3

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

XXX-9933-XXX (410) 313-2640

INDEXED

DATE 12/21/93

DATE SYSTEM APPROVED 3/14/94

INSPECTOR DKS

~~Dennis Feaga~~ Paul Schissler / South Carroll Backhoe IS PERMITTED TO INSTALL  ALTER

ADDRESS 1625 Henryton Road, Marriottsville, Maryland 21104 PHONE 442-5623

SUBDIVISION Crystal Clear LOT #25 ROAD 13845 Kennard Dr.

PROPERTY OWNER ~~Crystal Clear General Partnership~~ DENISE Moch

ADDRESS 21006 Brink Rd., Gaithersburg, MD 20760

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

180  
4  
720  
144  
5) 720

LINEAR FEET OF TRENCH REQUIRED 144

TRENCHES - Trench to be 2' wide. Inlet 3' below original grade. Bottom maximum depth 8' below original grade. Effective area begins at 3' below original grade. 5' of stone below distribution pipe.

LOCATION - Start the first trench 145 from the front lot line and 190 from the left lot line. Run trenches along contour toward rear of lot.

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

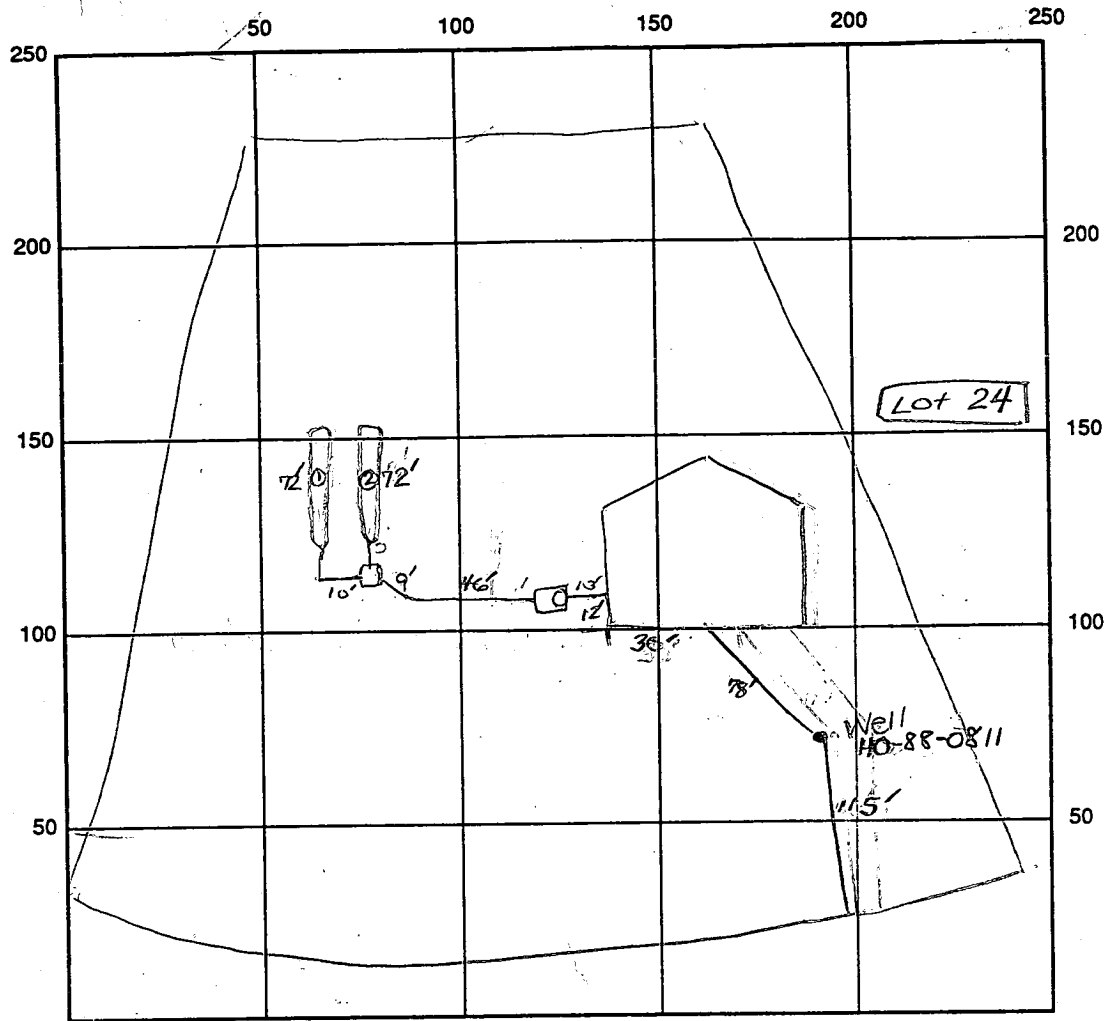
PLANS APPROVED BY Craig Williams DATE 7/6/89

- 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

BLDG. PERMIT SIGNED AND RETURNED 7/13/94  
Serial # 55269 - sewer pump  
deef

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

A 39583



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
Kennard Dr.

SEPTIC TANK LEVEL OK - 1250 gallon CLEANOUTS one on tank

DISTRIBUTION BOX LEVEL OK - baffle in

DRAIN FIELD/TITLE DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 5 FT. TOTAL LENGTH 72' @ 72' FT.  $\frac{2744}{5}$

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.  $\frac{720}{5}$

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

ABSORBENT AREA — SQ. FT.

REMARKS: 3/11/94 OK to continue. OK to cover from house to box. DKS

3/14/94 OK to cover all work. DKS

DATE SYSTEM APPROVED 3/14/94

INSPECTOR Steve K. See

# APPLICATION

PERCOLATION TESTING

A 39583

P \_\_\_\_\_

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

7-22-87  
Perms ok pending  
plat approval JEN

DISTRICT 5<sup>TH</sup>

DATE 6-12-87

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 ~~Kennard Warfield Jr.~~ Crystal Clear General Partnership

ADDRESS 14663 Tridelphia Rd Glenely 21737 PHONE 442-2337

PROSPECTIVE BUYER N/A

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

PROPERTY LOCATION:  
SUBDIVISION Crystal Clear LOT NO. 26

LOT 25 Preliminary

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd  
13845 Kennard Drive

TAX MAP 22 PARCEL # 533

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. S. Reiv  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 7-22-87 for perc hole location and subdivision plat approval JEN

BLDG. PERMIT SIGNED AND RETURNED 8/25/87  
Serial # 57263-SFD  
4 Bedrooms

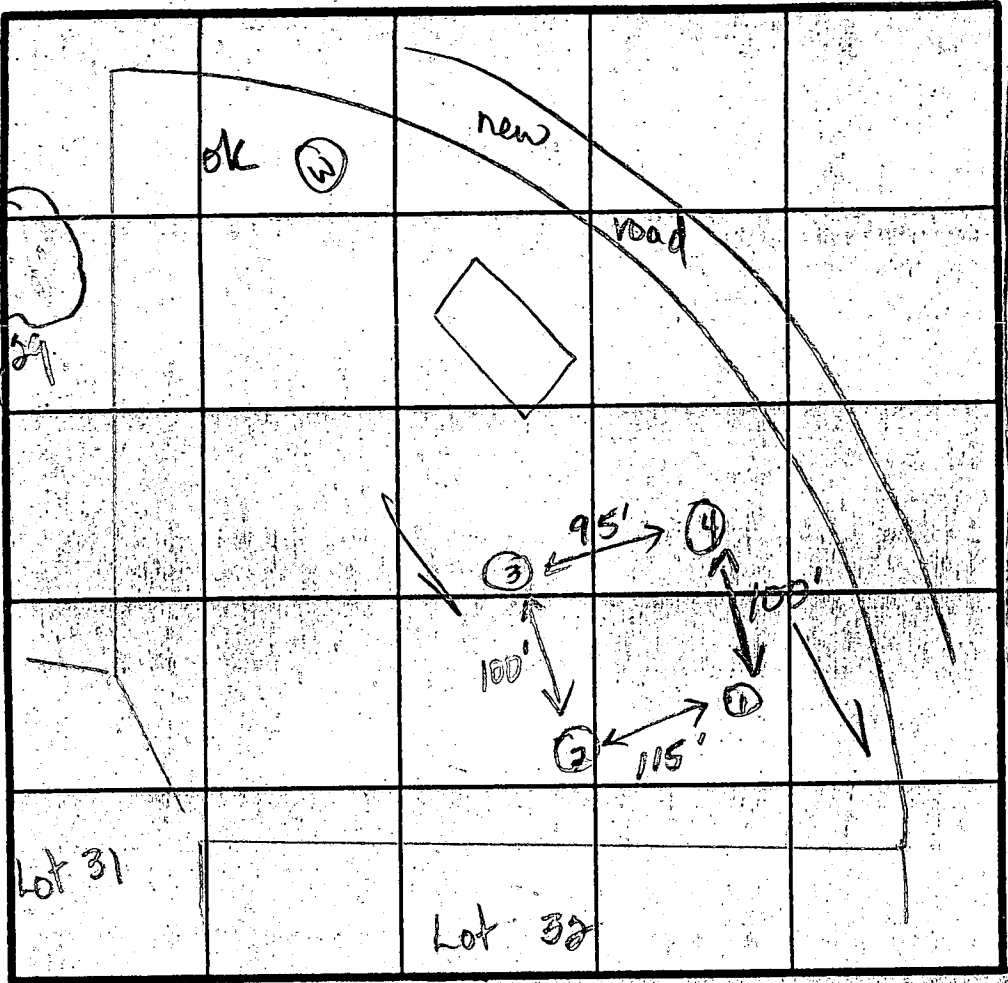
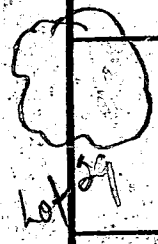
BLDG. PERMIT SIGNED AND RETURNED 9/11/87  
Serial # 3941-SFD  
5 Bedrooms with gut sleep

# THIS IS NOT A PERMIT

3 Highest  
4  
2  
1  
↓  
Lowest

①  
SOIL PROFILE

0-2.0 Dk br si cl lm  
2.0-8.0 Br cl si gvl lm  
8.0-12.5 Br si sandy lm, trc of broken rock frags < 100%  
12.5 Bottom



③  
0-1.5 Rd-br si cl lm  
1.5-3.5 Br sa si lm  
3.5-12.5 Br si sa lm, trc of broken rock frags < 10%  
Bottom

④  
0-3.0 Dk br si cl lm, trc gvl  
3.0-5.5 Br sa si lm  
5.5-12 Br mica si sa lm, trc bedding  
12.0 Bottom

INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE

TO IVORY RD ↓

②  
0-2.0 Rd-br si loam  
2.0-13.0 Br micaceous silty sandy lm, some broken rock frags < 20% trace of bedding at 45°  
13.0 Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST		DROPT	TIME
			START	STOP	START	STOP		
7-22-87	1	4.0 S	3:54	3:57	3:57	4:00	3	
		12.5 D	Bottom (see profile)					
	2	3.5 S	4:01	4:03	4:03	4:05	2	
		13.0 D	Bottom (see profile)					
	4	12.0 V	(see profile)					
	3	3.0 S	4:18	4:20	4:20	4:22	2	
		6.5 M	4:16	4:18	4:18	4:20	2	
		12.5 D	Bottom (see profile)					

spec  
invert @ 3.0'  
3.0' x 8.0' stone  
X PERC 3min

REMARKS All holes as located per plot.  
TYPE OF SOIL 0-2' Rd-br si cl lm, 3'-13' Br mica si sa lm < 20% frags  
TESTED BY Jane Nadeau ALSO PRESENT Mark Olen Sr, III

B 1 9181

SEQUENCE NO. (DP. USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HD-88-0811

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

please print or type

fill in this form completely

Date Received (APA)

052689

OWNER INFORMATION

GOSHEN LAND CO INC
21006 BRINK CT
GATHERSBURG MD 20879

B 3

LOCATION OF WELL R 444 11

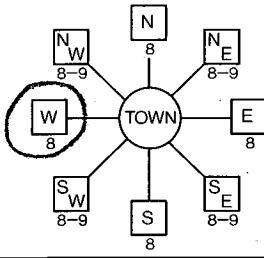
HOWARD COUNTY
CRYSTAL CLEAR
SECTION 25 LOT 25
3 LEVELS
1 MILE FROM TOWN

DRILLER INFORMATION

George F. Easterday
L. Franklin Easterday, Inc.
9265 Brown Church Rd., Mt. Airy, Md. 21771
Signature: George F. Easterday 5-24-89

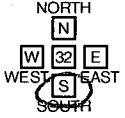
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



13845 KENNARD DR NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



1110 DISTANCE FROM ROAD ENTER FT OR MI FT

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 39583 COUNTY NO.
STATE SIGNATURE DATE ISSUED 070389
NORTH GRID 523000 EAST GRID 0801000

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

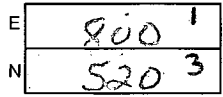
METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary Drive-POINT

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

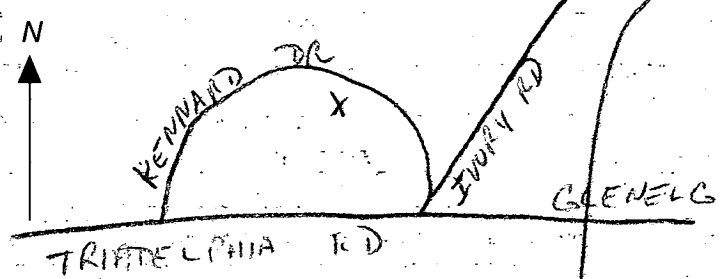


7/25/89 GROUT NOT OBS'D
96' CASING
44' OPEN
2 1/2' CASING A.G.
31 BAGS MR
VITACOR 7/25/89

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

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)

APPROX. PERMIT NUMBER GAP
FORCE OW PERMIT No. HD-88-0811

SPECIAL CONDITIONS

C1 9983

SEQUENCE NO. (DENV 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 A39583

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for date received

072589

400

40-88-0811

OWNER GOSHEN LAND CO. STREET OR RFD last name REWARDS DRIVE first name TOWN GREENBELT SUBDIVISION A CRYSTAL CLEAR SECTION LOT 25

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Topsoil, Clay/Loam, Sand, Gravel, Silt, Iron mica, Grey mica.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT, BENTONITE CLAY, NO. OF BAGS 21, NO. OF POUNDS 3100.

CASING RECORD: casing types insert appropriate code below. ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER).

MAIN CASING TYPE: ST, Nominal diameter 6, Total depth 96.

OTHER CASING (if used): diameter, depth from to.

SCREEN RECORD: screen type or open hole insert appropriate code below. ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

DEPTH (nearest ft.) grid: 10, 94, 400.

CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED), 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. 49

DRILLERS SIGNATURE

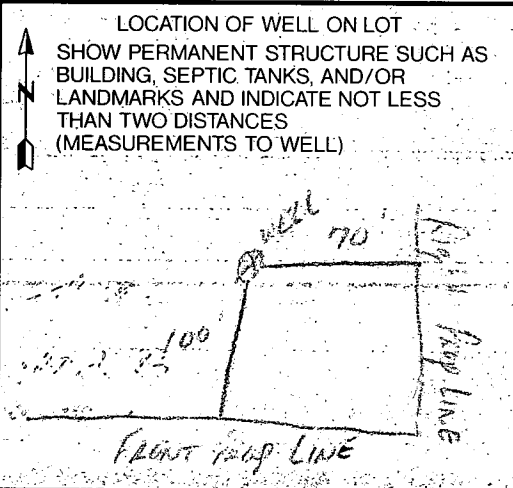
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee).

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.), WQ (OTHER DATA).

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 6, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, TYPE OF PUMP USED (S - submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.



COUNTY

HOWARD COUNTY HEALTH DEPARTMENT  
 Bureau of Environmental Health  
 3625-H Ellicott Mills Drive  
 Ellicott City, MD 21043  
 461-8933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
 Replacement

Receipt # \_\_\_\_\_  
 Date \_\_\_\_\_

Name of Installer Ben Lewis Inc

Telephone 3014083900

License Number 11202

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

Name of Property Owner Jacobsen Bldgs

Telephone 932083

Subdivision Cypress Clear Lot # 25 Well Tag # \_\_\_\_\_

Site Address 13845 Kennard Dr, Shady Md

Pump

1. Type
  - a. Deep well jet
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible \_\_\_\_\_

Motor

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

Pitless Adapter

1. Make \_\_\_\_\_
2. Model # \_\_\_\_\_
3. Depth 385'

2. Make Goeds

3. Model # 7EH10422

4. Capacity 62k 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 \_\_\_\_\_

Tank

1. Capacity 1100
2. Pressure relief valve? yes

Piping

1. Type 1/60" Poly Eth.
2. Size 1"
3. NSF and/or BOCA Code approved yes
4. Depth of supply line 385'

Well data

1. Depth 400 ft.
2. Yield 6 GPM
3. Static water level 47 ft.
4. Will water supply be disinfected by installer? \_\_\_\_\_

3/14/94 4' below grade  
 2' above grade  
 OK to cover. DKS

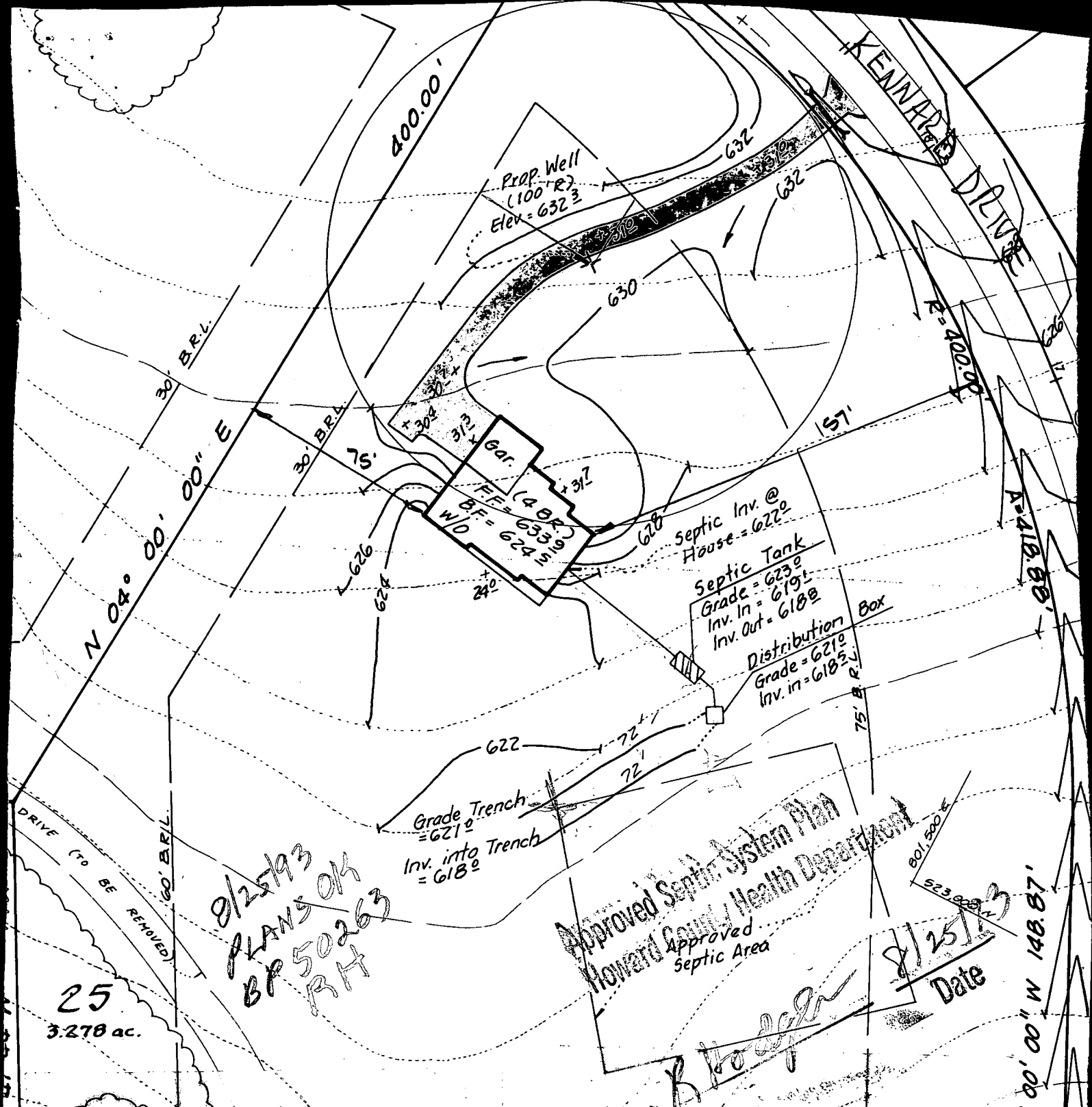
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge

Signature of Applicant: [Signature]

Date: 3/11/94

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



# CRYSTAL CLEAR

LOT LINE LOT LINE  
 3<sup>RD</sup> ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**Macris, Hendricks and Witmer P.A.**  
 Engineers • Planners • Surveyors

(301) 670-0840

Suite 120  
 9220 Wightman Road  
 Gaithersburg, Maryland

Designed BJD	Drawn MGW + WSM
Date 8/05/93	Scale 1" = 50'
Job No.	Sheet 3

FINAL LOCATION PLAT  
LOT 25

**CRYSTAL CLEAR**  
HOWARD COUNTY, MARYLAND

Scale: 1" = 100' December 7, 1993  
Plat No. 8443

**MACRIS, HENDRICKS and GLASCOCK, P.A.**

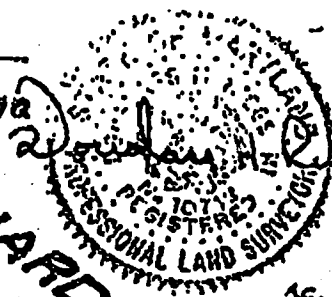
ENGINEERS • PLANNERS • SURVEYORS  
9220 HIGHTEAM ROAD GAITHERSBURG, MD. 20879  
(301) 670-0840

I hereby certify that the survey shown hereon is correct and the property is as delineated on the above stated plat as recorded among the Land Records of Howard County, Md. The improvements were located by a transit-tape survey made on November 21, 1993. Unless shown hereon, there are no visible encroachments. I further certify that no portion of the property lies within the designated 100 year flood plain as reflected on the Flood Insurance Rate Maps issued by the Federal Emergency Management Agency.

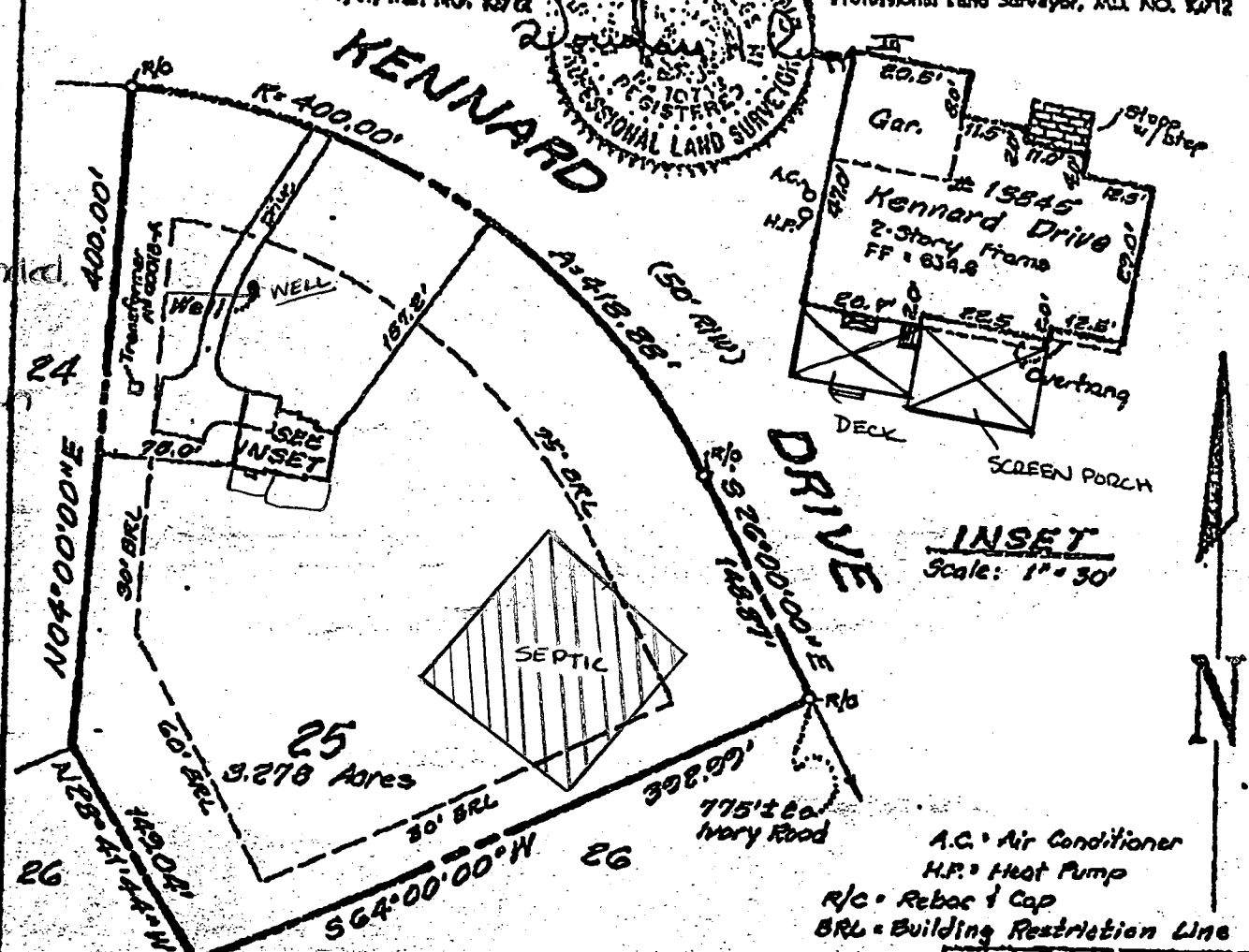
CERTIFIED CORRECT AS OF June 10, 1994

Douglas H. Riggs III  
DOUGLASS H. RIGGS, III  
Professional Land Surveyor, MD. NO. 12912

Douglas H. Riggs III  
DOUGLASS H. RIGGS, III  
Professional Land Surveyor, MD. NO. 12912



7/13/94  
Proposed addition has no impact to existing well or septic. Approval Recommended. OK to proceed. A. McMiller



**INSET**  
Scale: 1" = 30'

A.C. = Air Conditioner  
H.P. = Heat Pump  
R/C = Rebar & Cap  
BRL = Building Restriction Line

**NOTE:** EXISTENCE OF PROPERTY CORNER MARKERS NOT GUARANTEED BY THIS SURVEY, UNLESS INDICATED HERON AS FOUND.

Field	WC	P
Draft	D.B.	O.A.
Check	C.K.	S.R.
	ED	ED