

AM  
5/27/99

C.O. & WPI

# PERMIT 04-355172

P 511659

## SEWAGE DISPOSAL SYSTEM

A 41982

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

DATE 5/5/99

BUREAU OF ENVIRONMENTAL HEALTH

DATE SYSTEM APPROVED 5/28/99

XXXXXXX 410-313-2640

INSPECTOR S.R.N.

# INDEXED

Adam Harless

IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 9304 All Saints Road, Laurel, MD 20723

PHONE 301-604-5811

SUBDIVISION Choi Property LOT 19 ROAD 3340 Danmark Drive

PROPERTY OWNER Adam Harless DAVID J. BOETTINGER

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 144

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

LOCATION - Place the distribution box 155 feet down the left (388.09') lot line and 105 feet off this same lot line as seen when facing the lot from Danmark Drive. Run trenches on contour towards the right side of the lot.

NOTES - 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 Donna K. Soe

DATE 7-07-99

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

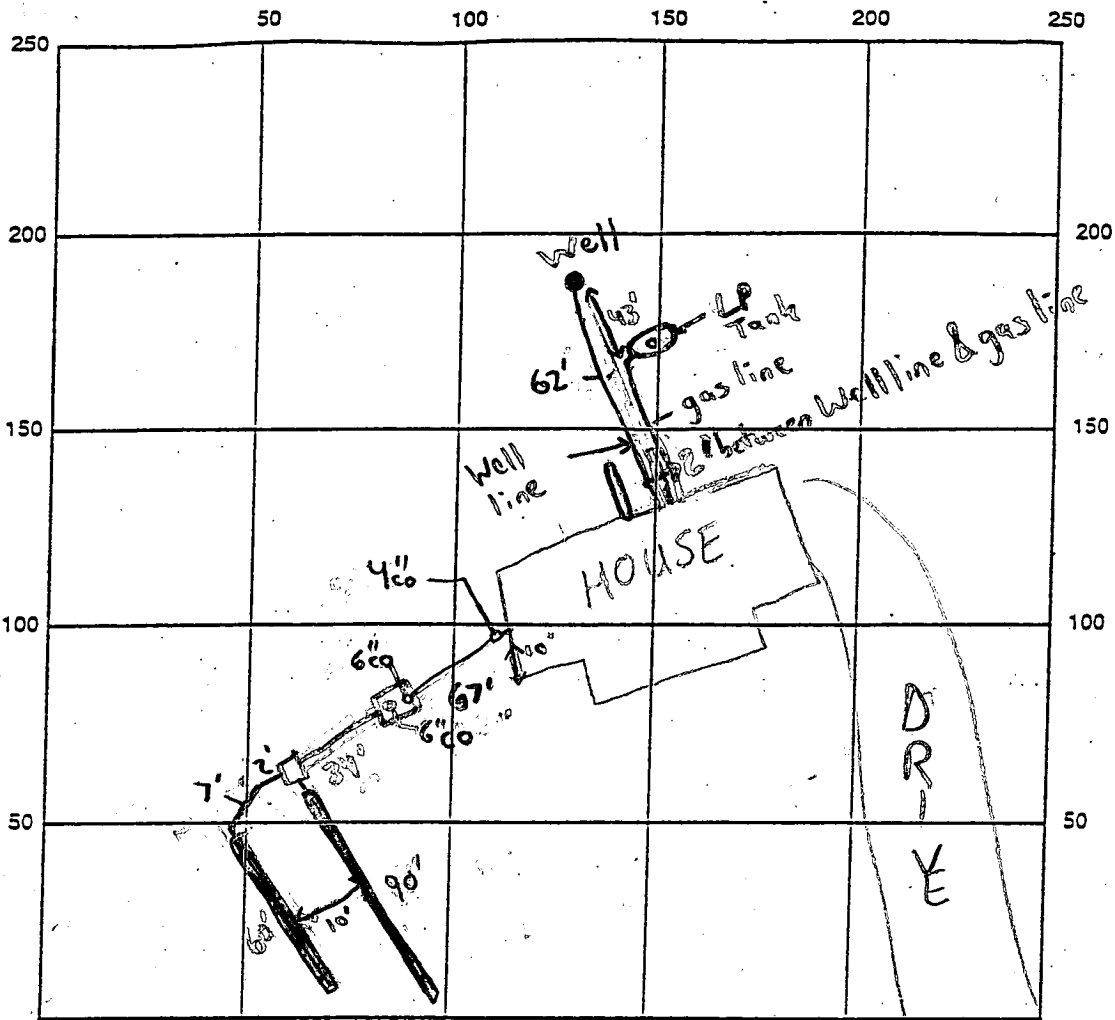
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

LOG. PERMITS SIGNED  
AND RETURNED 10/26/2000  
B00127174 SHED-STORAGE  
LOG. PERMITS SIGNED  
AND RETURNED 5/10/01  
B00130130-deck

226/17



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

**DANMARK DRIVE** 1-6" front and

SEPTIC TANK LEVEL  1500 gallon mid seam CLEANOUTS 1-6" back of tank, 1-4" @ house

DISTRIBUTION BOX LEVEL

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

EFFECTIVE GRAVEL DEPTH 5 FT. TOTAL LENGTH 150 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 750 SQ. FT.

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

ABSORBENT AREA N/A SQ. FT.

REMARKS: 5/24/99 Septic layout check OK Au 5/27/99 - OK TO CONTINUE WORK (SRK), 5/28/99 - HOUSE CONNECTION MADE, OK TO COVER WORK (SRK)

DATE SYSTEM APPROVED 5/28/99 INSPECTOR Steven R. Krieg

# APPLICATION

PERCOLATION TESTING

A 41982

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. Adam HARLESS

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.  
(3340 DANMARK DRIVE)

TAX MAP 14 PARCEL # 106

SIZE OF LOT 3.00 Acre Minimum

BLDG. PERMIT SIGNED

~~AND RETURNED 3-25-88~~

Serial # B10116672  
S.P.O.

TYPE BLDG \_\_\_\_\_  
(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. Ruel

(SIGNATURE OF APPLICANT)

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

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

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

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

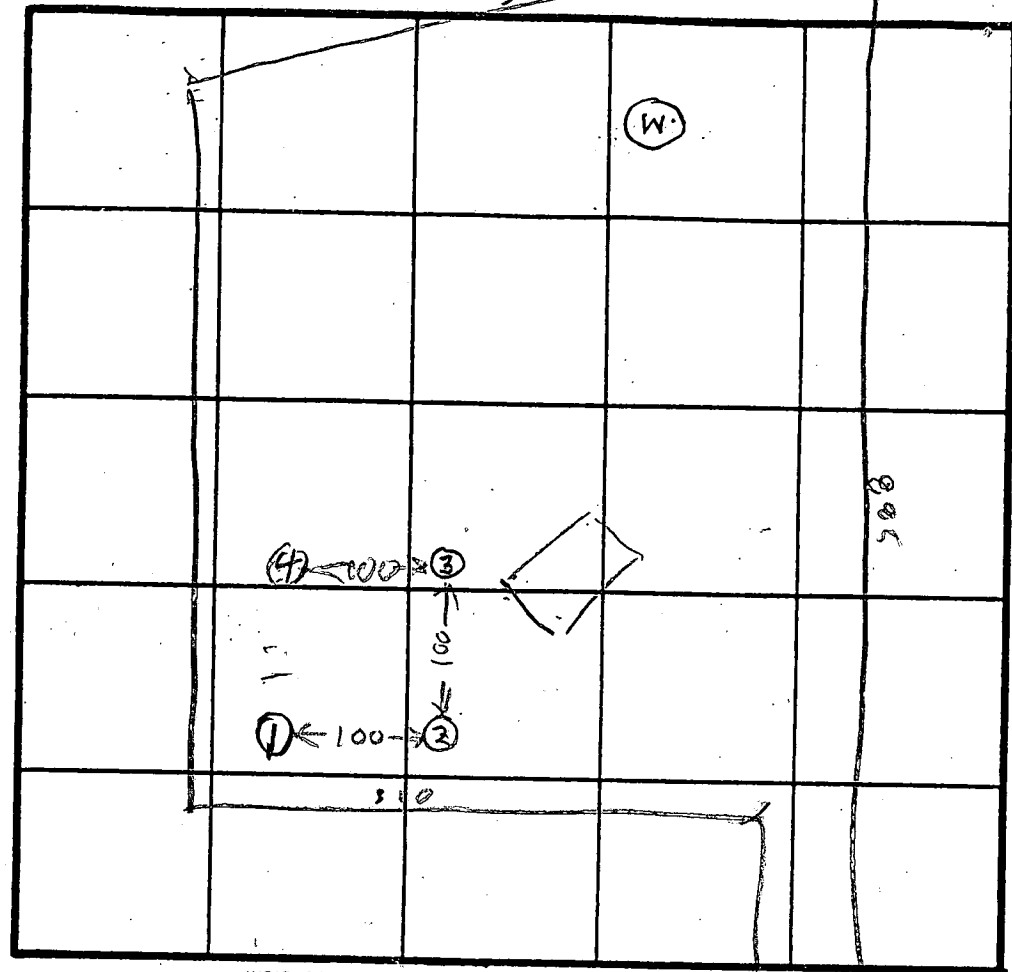
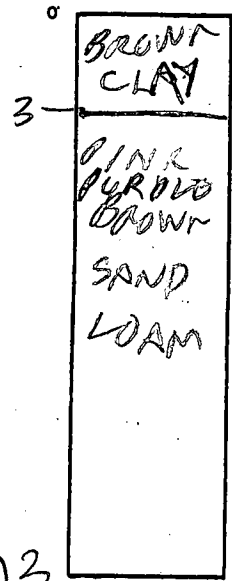
HD-216

# THIS IS NOT A PERMIT

LMT 19  
A 41982

363

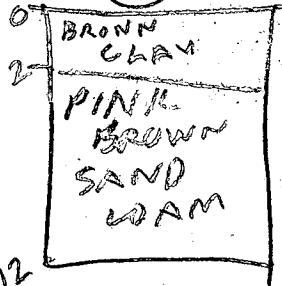
① SOIL PROFILE



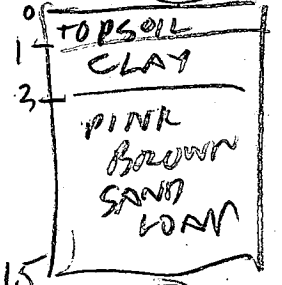
X 4 MIN  
180 BR  
INLET 3'  
BOTTOM 8'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

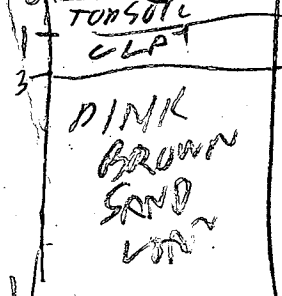
②



③



④



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 11 DROP		TIME
			START	STOP	START	STOP	
9/8/88	1 S	4	1240	1245	1245	1255	10 MIN
	1 V	13	OK				
	2 S	3.5	1244	1246	1246	1248	2 MIN
	2 V	12	OK				
	3 S	4	1257	100	100	102	2
	3 D	6.5	1257	100	100	102	2
	3 V	11.5	OK				
	4 V	12.5	OK				

REMARKS 9/9/88 Hole Driller Surveyed Test Plot

TYPE OF SOIL \_\_\_\_\_  
TESTED BY R. HODGES

ALSO PRESENT SKIP & ROCKY  
OF FLOCK

# SOR FARM ESTATES



580

590

LINE OF SUBMISSION

LOT 17  
3.82 AC. GROSS  
PIPESTEM  
0.436 AC

LOT 19  
3.67 AC.

LOT 18  
3.1 AC.

LOT 20  
3.0 AC.

DANMARK DR.

DRAIN  
UTILITY

350'

75' BRL

100' R WELL

75' BRL

75' BRL

230

WELL

100' R

75' BRL

100' R

594

596

230

15' BRL

542

75'

LOT 21  
3.515 Ac.



60'  
BRL

95'  
BRL

S 64° 45' 10" E

75'  
BRL

50'  
R/W

N 64° 45' 10" W

30'  
BRL

201.69' 25.00'

410.00' 25.00'

WINDSOR FARM  
ESTATES

60'  
BRL

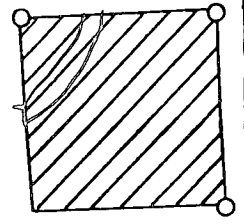
90'  
BRL

S 64° 45' 10" E

30'  
BRL

75'  
BRL

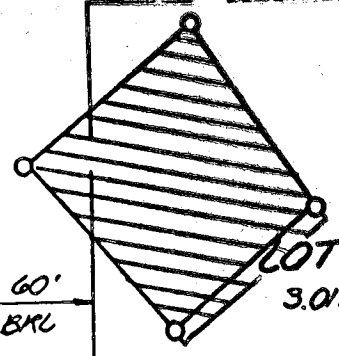
LOT 19  
3.719 Ac.



30'  
BRL

60'  
BRL

LOT 20  
3.012 Ac.



N 25° 14' 50" E

DRIVE

320.00'

388.09'

30'  
BRL

418.09'

410.00'

30'  
BRL

320.00'

S 64° 45' 10" E

S 64° 45' 10" E

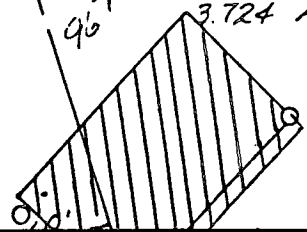
75'  
BRL

ESTATES

417.65'

96.72'

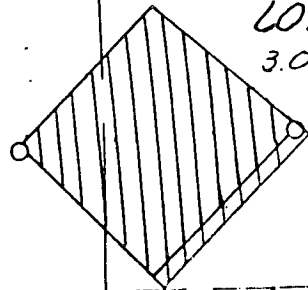
LOT 17  
3.724 Ac.



30'  
BRL

60'  
BRL

LOT 18  
3.053 Ac.



N 25° 14' 50" E

75'  
BRL

DANMARK

325' 18' 50" W

Excerpt From Preliminary Plan

Contours and Elevations From Preliminary Plan Approved by Topo Mapping Howard County Health Department

Scale 1"=50'

Total length of trench required 590 feet

Width of trench(es) 1363 feet

Depth of trench(es) 60 feet

Depth of stone required below distribution pipe 5 feet

Signature

BP-pre approval  
Elev. OK  
location OK  
A McNeill

LOT 19  
3.67 AC.

WELL  
Elevation 593.9

HP  
599.0

Inv. Out of House  
591.0

FF 602.0  
B 593.0

Dist. Box  
Ex. El. 592.0  
Inv. In 589.0

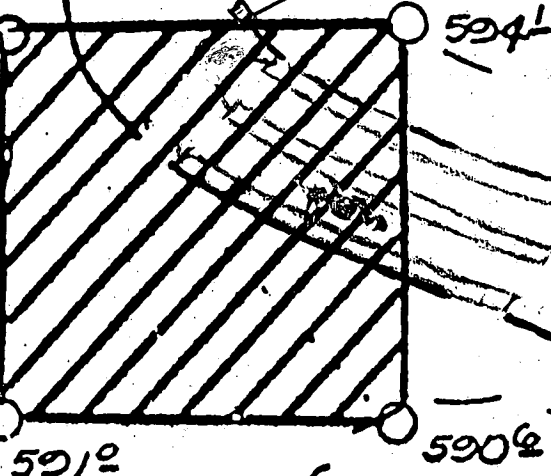
Septic Tank Ex Elev. 596.0  
Inv. In. 590.6  
Inv. Out 590.2

Trench #1  
Ex. Elev. 592.0  
Inv. In 589.0

Trench #2  
Ex. Elev. 591.0  
Inv. In 588.0

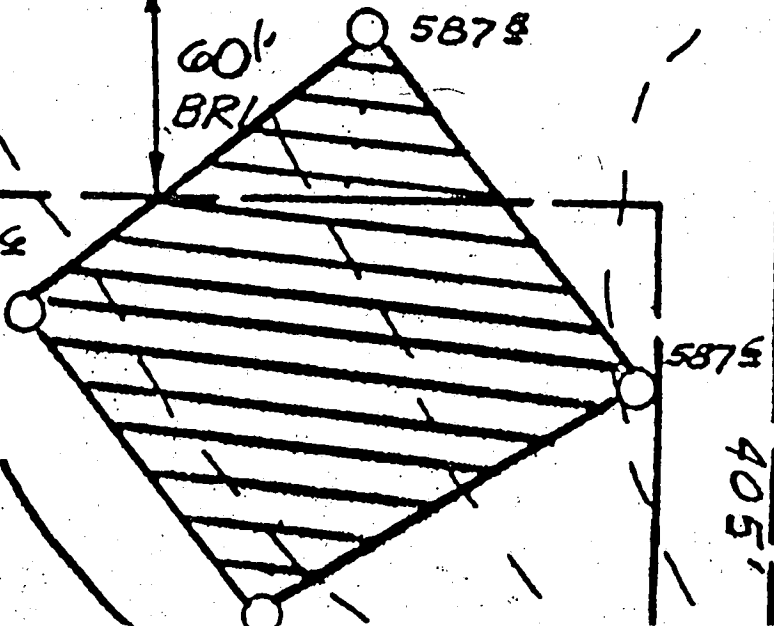
Trench #3  
Ex. El. 590.0  
Inv. In 587.0

30' 30'  
BRL BRL



320'  
30' BRL

60' BRL  
587.5



410'

405'

885'

4331

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A 41982

ST/CO USE ONLY DATE Received MY 21 98

DATE WELL COMPLETED 11 30 98

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 94 1789

OWNER BOEHINGER David STREET OR RFD Danmark Drive TOWN Glenwood SUBDIVISION Choi Property SECTION LOT 19

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Shaly Clay, Sand Stone mica, Sand Stone mica, Sand Stone mica, Sand Stone mica.

GROUTING RECORD. WELL HAS BEEN GROUTED (Y). TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC). NO. OF BAGS 19, NO. OF POUNDS 1900. GALLONS OF WATER 95. DEPTH OF GROUT SEAL 39 ft.

CASING RECORD. casing types insert appropriate code below: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER). MAIN CASING TYPE: ST 6 40.

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

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

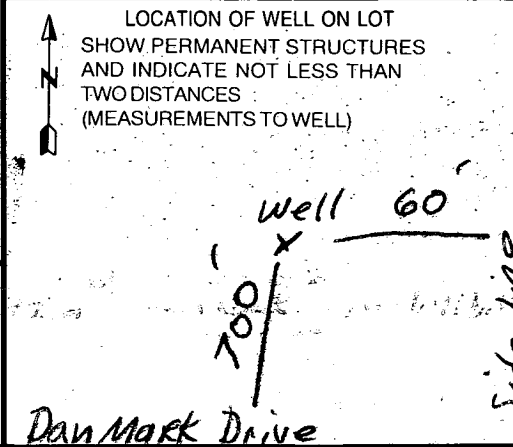
DEPTH (nearest ft.) table with rows 1-51 and columns 2-6. Includes SLOT SIZE and DIAMETER OF SCREEN.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), W Q, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST. HOURS PUMPED 3, PUMPING RATE 4 gal. per min. METHOD USED TO MEASURE PUMPING RATE Bucket. WATER LEVEL (distance from land surface) BEFORE PUMPING 41 ft, WHEN PUMPING 122 ft. TYPE OF PUMP USED: S (submersible).

PUMP INSTALLED. DRILLER INSTALLED PUMP 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, - below. LAND SURFACE 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. DRILLERS SIGNATURE: [Signature]. LIC. NO. 1 MWD 501. SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee): [Signature].

B 1 **2438**

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

**HO-94-1789**  
fill in this form completely

Date Received (APA) **10/08/98**

**A.W. BLDG. OWNER INFORMATION RN 7619**

B 3 **Howard** LOCATION OF WELL CC#

**Boettinger** David J  
Last Name Owner First Name

**6405 Kaslo Street**  
Street or RFD

**New Carrollton, Md 20784**  
Town State Zip

8 COUNTY **Howard** 21

23 SUBDIVISION **Crop Property** 42

SECTION **19** LOT **19**  
44 46 48 50

**Glenwood**  
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **1**  
73 76 77 78

DRILLER INFORMATION

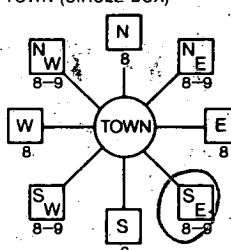
**George F. Easterday** M **WD 040**  
Driller's Name License No.

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

**9265 Brown Church Rd., MT. Airy, Md. 21771**  
Address

*George F. Easterday* **10/2/1998**  
Signature Date

B 4  
1 2  
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



**Danmark Drive**  
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

**700**  
34 DISTANCE FROM ROAD 37  
ENTER FT OR MI **FT** 38 39

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

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5**  
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)
  - INDUSTRIAL, COMMERCIAL, DEWATERING
  - PUBLIC WATER SUPPLY WELL
  - TEST, OBSERVATION, MONITORING
  - GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

**HOWARD** **A 41982**  
COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S \_\_\_\_\_  
DATE ISSUED **10/16/98** **10/15/99**  
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID **529 000** EAST GRID **0796 000**  
50 55 57 63

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

APPROXIMATE DIAMETER OF WELL **6** INCH  
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 \_\_\_\_\_

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
  - 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) \_\_\_\_\_

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

APPROX. PERMIT NUMBER **54** GAP **63**

PERMIT No. **HO-94-1789**  
70 71 72 73 74 75 76 77 78 79

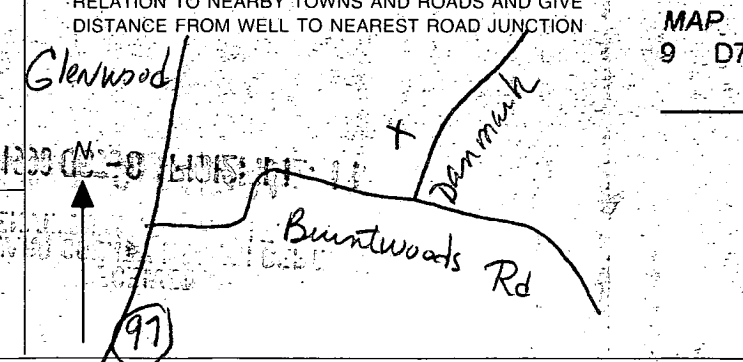
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
- wells**
  - 
  -

WRITE THE BOX NUMBER FROM THE MAP HERE

E **790**  
N **529**

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



SPECIAL CONDITIONS

aff  
5/28/99

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 Arthur M. Black

Telephone 301-776 7520

License Number 1557

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

Name of Property Owner AW Builders

Telephone 301-317 8900

Subdivision CHOI PROT Lot # 18

Well Tag # HO-94-1789

Site Address 3340 DANMARK DR. Bldg

Pump

- 1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible
- 2. Make JUCOR 220
- 3. Model # \_\_\_\_\_
- 4. Capacity 5 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 1/4
- 2. RPM \_\_\_\_\_
- 3. Voltage 230
  - a. 110 \_\_\_\_\_
  - b. 220

Pitless Adapter

- 1. Make \_\_\_\_\_
- 2. Model # \_\_\_\_\_
- 3. Depth \_\_\_\_\_

Tank

- 1. Capacity 42 Gal
- 2. Pressure relief valve?

Piping

- 1. Type Poly
- 2. Size 1/2"
- 3. NSF and/or BOCA Code approved \_\_\_\_\_
- 4. Depth of supply line 3'+

Well data

- 1. Depth 400 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.

WPI OK  
5/27/99-SRN

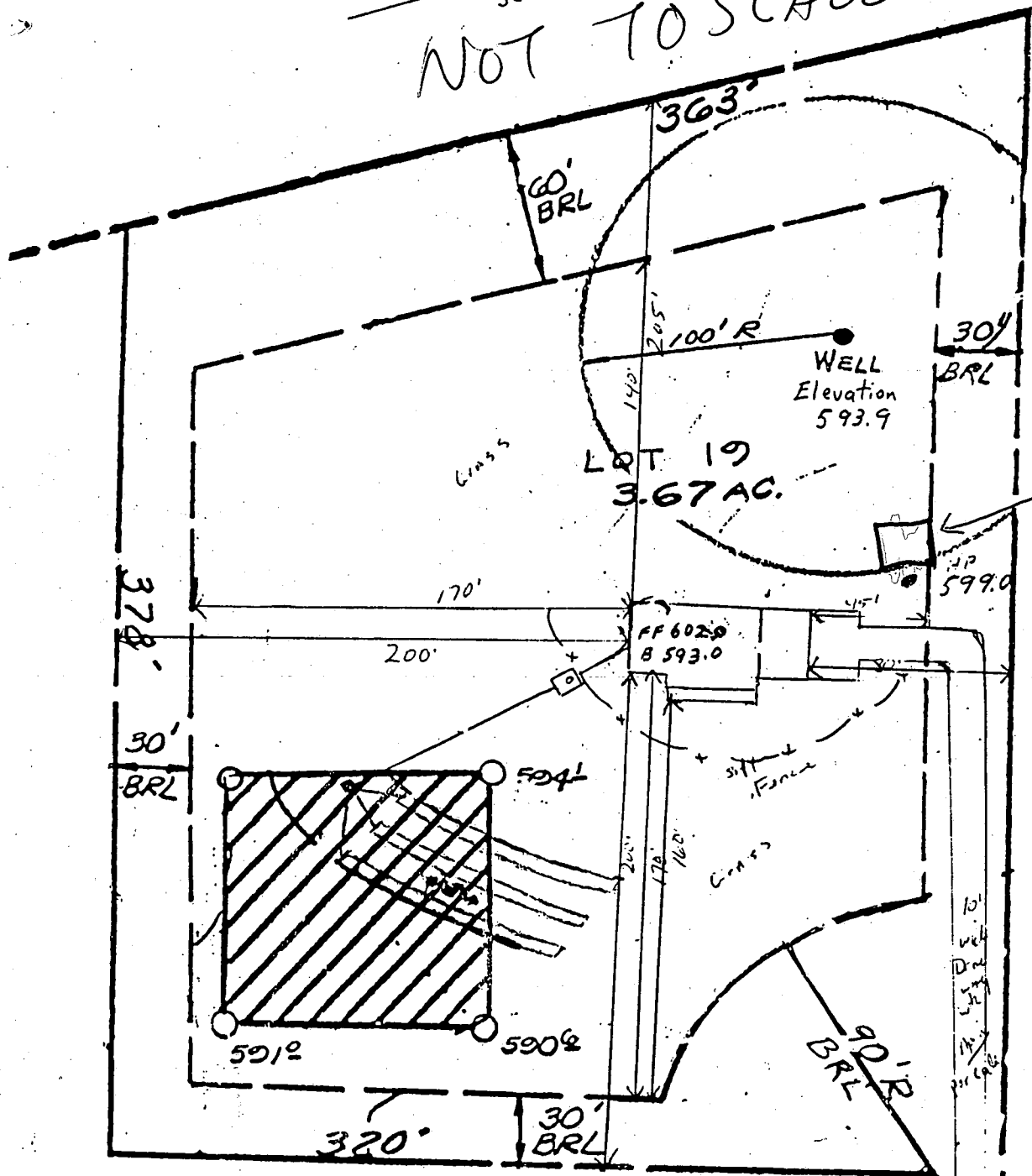
Signature of Applicant: Arthur M Black

Date: 5/10/99

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

Scale 1"=50'

NOT TO SCALE



location of shed has no impact to well or septic

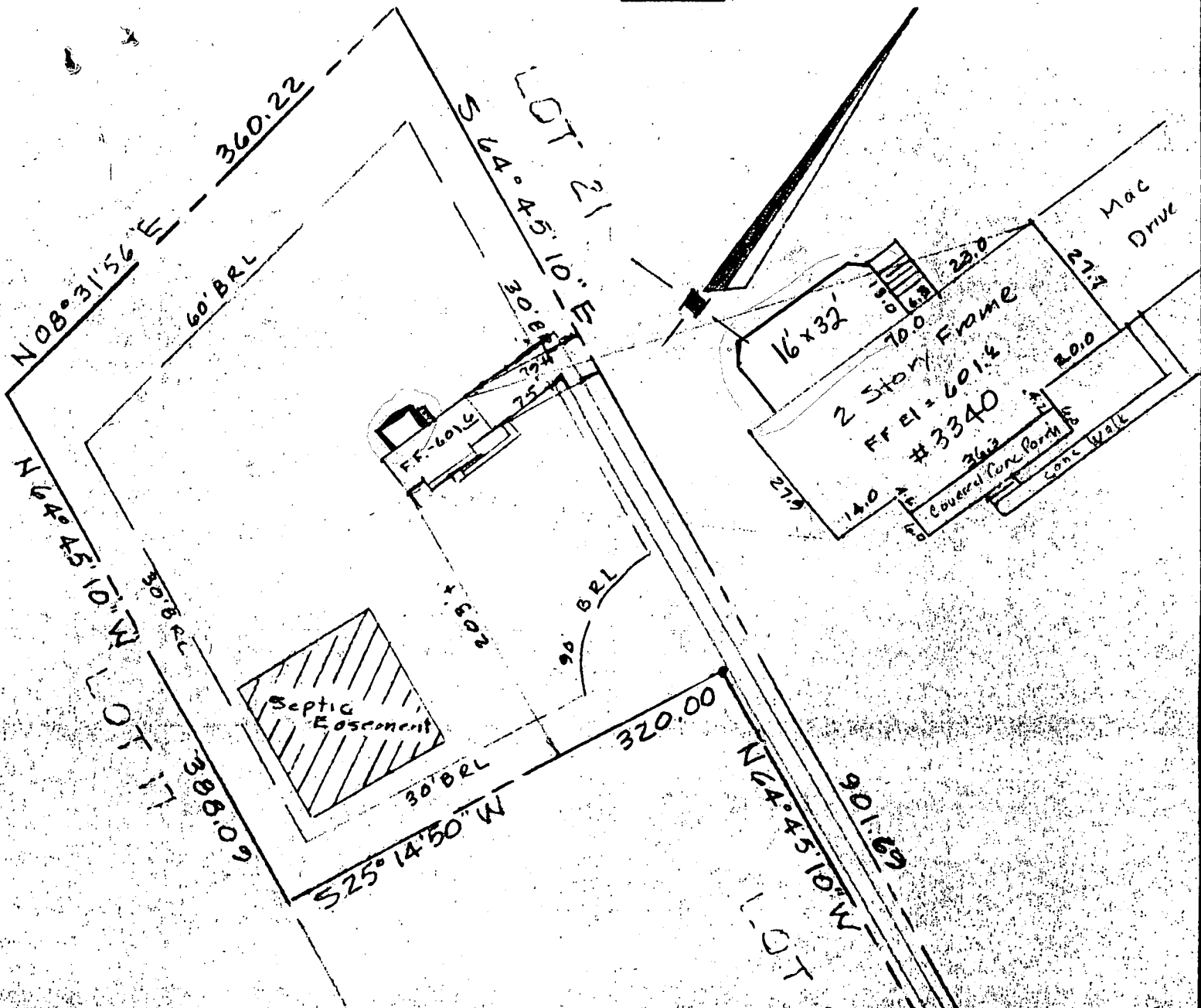
OK SRU

10/26/00

**PLOT PLAN**  
**3340 DRIVE**  
**LOT 19**  
**TAX MAP**  
**GLENELG M.D. HOWARD C.O.**  
**SCALE : 1"=50' - MARCH 1999**

To DANMARK Drive ↓

Note: This is a building and improvement plat only and should not be used to establish property lines.



LOT 19  
 CHOI PROPERTY  
 LOTS 1-32  
 GLENELG

Howard County, Md.  
 Scale: 1" = 100' June, 1999  
 Plat # 10632

**SURVEYORS CERTIFICATE**

I hereby certify that a careful transit tape survey has been made of the improvements on the property shown hereon and that they are as shown and that there are no encroachments except as shown.

*Jack E. Clark*  
 Land Surveyor



**THE J. E. CLARK COMPANY**  
 LAND SURVEYING ENGINEERING

P.O. BOX 147 • LAUREL, MARYLAND 20707

1420 ± to  
 Burntwoods Rd.  
 DANMARK DRIVE