

7/14/98  
LATE

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 510561

A 59289-G

DISTRICT 4th

DATE 7-14-98

04-361369

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 7.21.98

INSPECTOR JK

INDEXED

Jack Fyock Septic Service IS PERMITTED TO INSTALL X ALTER       

ADDRESS P. O. Box 89, Triadelphia Road, Glenelg, Maryland 21737 PHONE 410-988-9270

SUBDIVISION The Woods at Ridgeview LOT Parcel 7 ROAD 15062 Frederick Road

PROPERTY OWNER Crosen Homes, Inc.

ADDRESS       

SEPTIC TANK CAPACITY 1250 GALLONS **\*\*\* MANHOLE CLEANOUT REQUIRED IF COVER OVER SEPTIC TANK IS GREATER THAN 3 FEET.\*\*\***

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Place the distribution box 135 feet down the 268.50' (left) lot line and 85 feet off that same lot line as seen when facing the lot from gravel drive. Run trenches on 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. OK 7/21/98 DKS

PLANS APPROVED BY Kim Maiste/ DATE 06/23/98

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

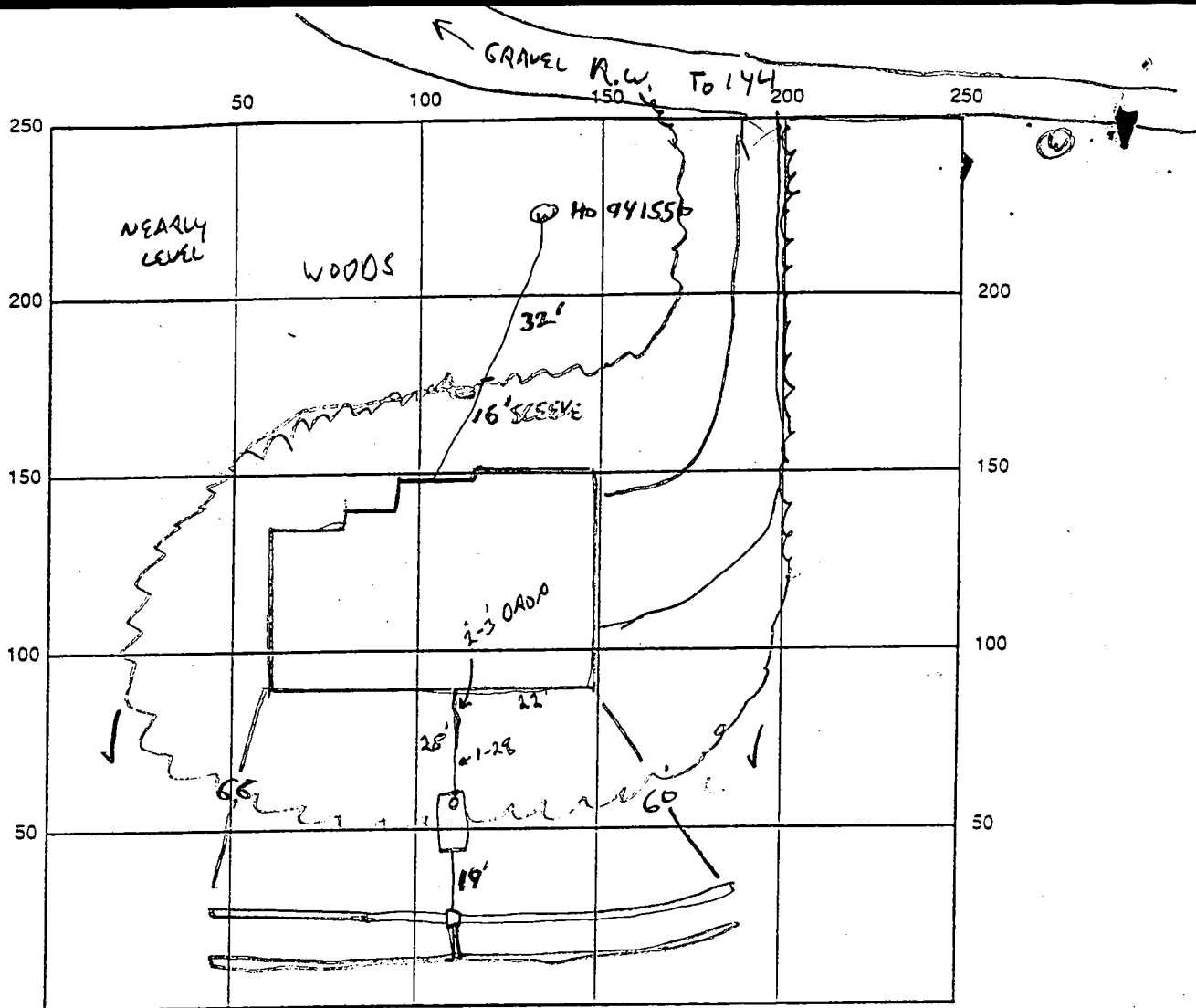
PERMIT VOID AFTER TWO YEARS

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**

159289-G



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL ok CLEANOUTS 1 ON TRAIL - ok  
 DISTRIBUTION BOX LEVEL ok - PLASTIC - LEVEL  
 DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.  
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 4 x 66 FT. = 240  
 NUMBER OF TRENCHES 4 ~~ONE SIDE WALL~~ BOTTOM AREA 720 SQ. FT.  
 DRYWALL INSIDE DIAMETER - FT. EFFECTIVE DEPTH BELOW INLET - FT.  
 ABSORBENT AREA - SQ. FT.

REMARKS: 7-21-98 WPI ok, FINAL - COVER ALL WORK. M

DATE SYSTEM APPROVED 7-21-98 INSPECTOR [Signature]

# APPLICATION

225  
8  
11/13/98  
4 11/14/98

PERCOLATION TESTING

A 592896

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 12/31/97

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Highland Development Corporation - CRUSEN HOMES

ADDRESS \_\_\_\_\_  
PHONE 410 531 5539

AGENT OR PROSPECTIVE BUYER Chuck Strauf

ADDRESS 3779 Shug Road PHONE 410 4894630

PROPERTY LOCATION: Glenwood Md. 21738

SUBDIVISION \_\_\_\_\_ LOT NO. Parcel 7

ROAD AND DESCRIPTION Old 15962 Frederick Road Woodlawn

TAX MAP 8 PARCEL # 56, 57, 60, 61, 130, 137, 174 \* 9 lots (8 New 1 house)

SIZE OF LOT 1 to 3 ac 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. Chuck Strauf  
(SIGNATURE OF APPLICANT)

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

**PERMITS PERMIT SIGNED**  
**DATE SIGNED** 6-29-98  
Serial # B10112366  
SFD-4Bum

# THIS IS NOT A PERMIT

59289 G

COUNTY #

SOIL PROFILE

7C

0' or/brown clay loam  
 4.0' 30% shale frags  
 6.0' tan/pink yellow silty loam  
 12.0'

7B

0' or/red brown clay loam  
 3.5' tan/yellow silty loam  
 10% shale frags  
 12.0'

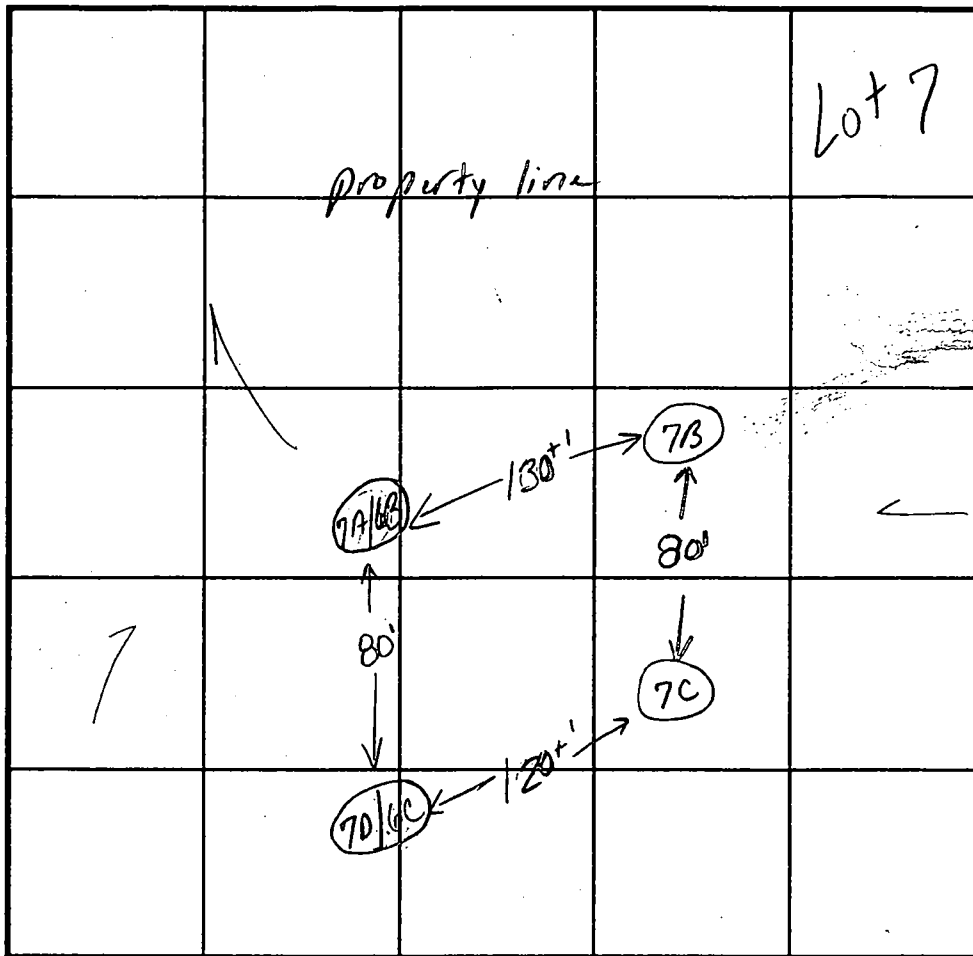
7A/6B

0' or/br clay loam  
 3.0' tan/or yellow silty loam  
 15% shale frags  
 12.0'

SOIL PROFILE

7D/6C

0' or/br red clay loam  
 3.0' pink/tan silty loam  
 10% shale frags  
 11.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE    | TEST NO. | DEPTH  | PRE-WET  |          | TEST - 1" DROP |          | TIME  |
|---------|----------|--------|----------|----------|----------------|----------|-------|
|         |          |        | START    | STOP     | START          | STOP     |       |
| 1/13/98 | 7C       | 3.5'S  | 11:06 30 | 11:11    | 11:11          | 11:18 30 | 7:30  |
|         |          | 12.0'D | visual   | ok-see   | profile        |          |       |
|         | 7B       | 3.5'S  | 11:07    | 11:11    | 11:11          | 11:18    | 7min  |
|         |          | 12.0'D | visual   | ok-see   | profile        |          |       |
|         | 7A/6B    | 3.5'S  | 11:20    | 11:21    | 11:21          | 11:22    | 1min  |
|         |          | 10.0'D | visual   | ok-see   | profile        |          |       |
|         | (repour) |        | 11:23 30 | 11:26 30 | 11:26 30       | 11:28 30 | 2min  |
|         | 7D/6C    | 3.0'S  | 11:30    | 11:35 30 | 11:35 30       | 11:47    | 12:30 |
|         |          | 6.5'S  | 11:30 30 | 11:32 30 | 11:32 30       | 11:34 30 | 2min  |
|         |          | 11.5'D | visual   | ok-see   | profile        |          |       |

REMARKS test holes staked

TYPE OF SOIL Kim Maiste

TESTED BY Kim Maiste ALSO PRESENT Chuck Sharp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5-6 minutes TRENCH WIDTH 2

INLET DEPTH 3.0 MAXIMUM BOTTOM DEPTH 7.0 SQ. FT/BEDROOM 180

C1 05003

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A592896

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

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED 6-9-98

6 4 98

22 360' 26

HO-94-1550

OWNER Highland Development CMC STREET OR RFD 144 TOWN Glenwood SUBDIVISION Woods at Ridgeview SECTION 1st Parcel 7

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (B) NO. OF BAGS 11 NO. OF POUNDS 1034 GALLONS OF WATER 66 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 27 ft.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 6 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 53 ft. WHEN PUMPING 192 ft. TYPE OF PUMP USED (for test) S submersible

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: Brown Shale (0-23), Yellow clay (23-26), Gray Granite (26-360)

CASING RECORD (S) (C) (P) (O) MAIN CASING TYPE (S) Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 30

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

SCREEN RECORD (S) (B) (H) (P) (O) screen type or open hole (S) (B) (H) (P) (O) insert appropriate code below

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

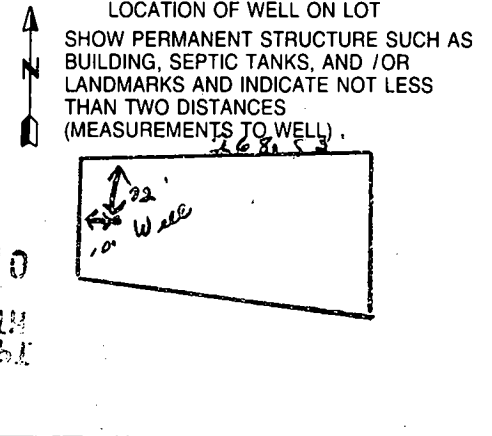
DEPTH (nearest ft.) 28 360 SLOTTED SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from 56 to 60

PUMP INSTALLED DRILLER WILL INSTALL 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 LAND SURFACE (-) below 2 (nearest foot)

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 MS DO 24 DRILLERS SIGNATURE Harry Mays LIC. NO. 1 MS DO 27 Harry Mays

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/O TELESCOPE CASING LOG INDICATOR OTHER DATA



B 1 **9469** SEQUENCE NO. (MDE USE ONLY)  
2 3 4 5 6  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

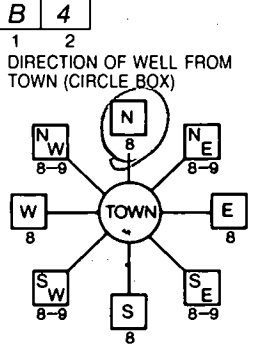
STATE OF MARYLAND  
PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER  
**HO-94-1550**  
70 fill in this form completely 79

Date Received (APA) **4-17-98**  
OWNER INFORMATION  
8 MM 00 YY 13  
**Headland Development CMC**  
15 Last Name Owner First Name 34  
**P.O. Box 208**  
36 Street or RFD 55  
**Clarksville Md. 21029**  
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
**Howard**  
8 COUNTY 21  
**The Woods at Ridgeway**  
23 SUBDIVISION 42  
SECTION 44 46 LOT **Parcel 7** 48 50  
**Colewood**  
52 NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) **3** M I 73 76 77 78

DRILLER INFORMATION  
**Joseph L. Maize** MS **0024**  
Driller's Name 76 License No. 81  
**Joseph L. Maize Well Drilling**  
Firm Name  
**5512 Ridge Rd. Mt. Airy 21771**  
Address  
**Joseph L. Maize 4/6/98**  
Signature Date



**RT 144 and Ridgeway**  
11 NEAR WHAT ROAD 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
  
34 **950** 37 DISTANCE FROM ROAD 38 39  
ENTER FT OR MI  
TAX MAP: **8** BLK: **15** PARCEL: **130**

B 2 WELL INFORMATION  
1 2  
APPROX. PUMPING RATE **5**  
(GAL. PER MIN.) 8 12  
AVERAGE DAILY QUANTITY NEEDED **500**  
(GAL. PER DAY) 14 20

- 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 APPROVAL)  
 TEST; OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
**Howard** **A592896**  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE  
DATE ISSUED **5.20.98** **Kimberly Maize** **5.20.99** INSERT S 41  
43 MM DD YY 48 CO SIGNATURE EXP. DATE  
NORTH GRID **545** 000 EAST GRID **789** 000  
50 55 57 63

APPROXIMATE DEPTH OF WELL **260** FEET  
24 28

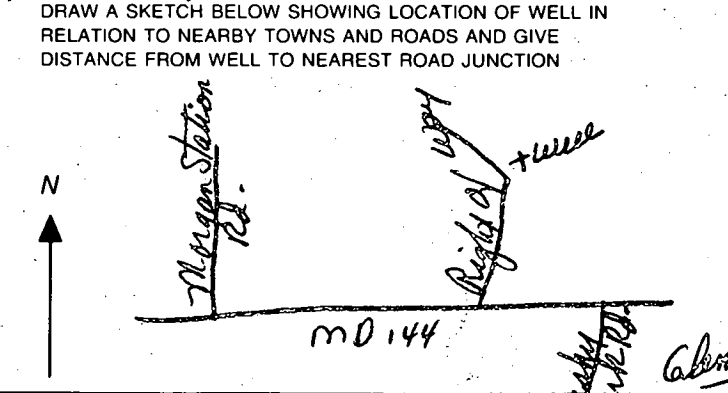
APPROXIMATE DIAMETER OF WELL **6** INCH  
NEAREST INCH

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

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) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)  
APPROP. PERMIT NUMBER **KM** 54 G A P 63  
FORCE **KM** 67 68 WRITE INITIALS IN BOX PERMIT NO. **HO-94-1550** 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. **Well**  
2.  
3.  
WRITE THE BOX NUMBER FROM THE MAP HERE  
E **789**  
N **545**  
000  
000



N 69°43'12" W 785.92'

Parcel 7  
Well site ok  
as staked. (KM)  
299,275 SQ. FT.  
6.8750 ACRES

NOT INCLUDED

EX HOUSE

EX WELL

EX WELL

72386 SQ. FT.  
1.6606 ACRES

PARCEL 5

PROP WELL

44174 SQ. FT.  
1.0141 ACRES

PARCEL 6

PROP WELL

43381 SQ. FT.  
0.9959 ACRES

PARCEL 7

PARCEL 8

130902 SQ. FT.  
3.0051 ACRES

EKA  
EKB2

EL 4

EL 3

237 SQ. FT.  
587 ACRES

B2  
KKB2

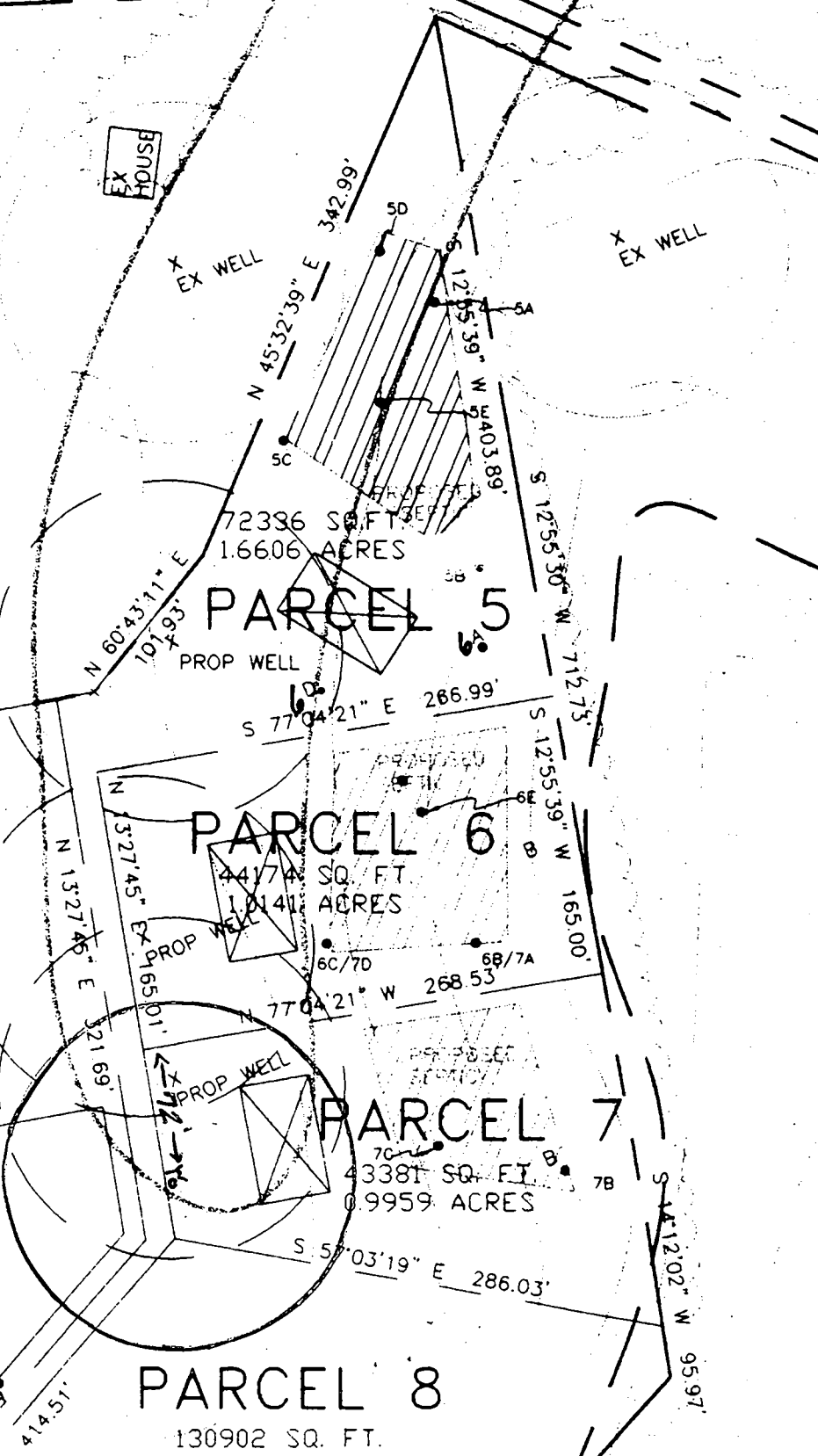
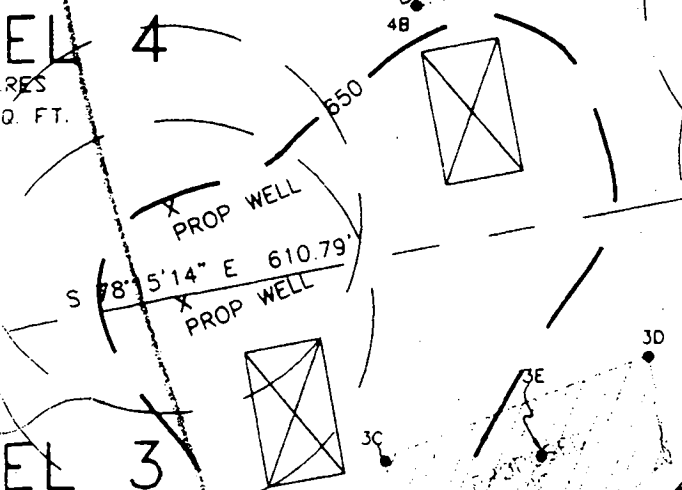
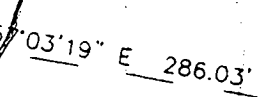
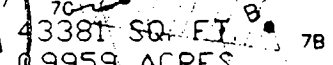
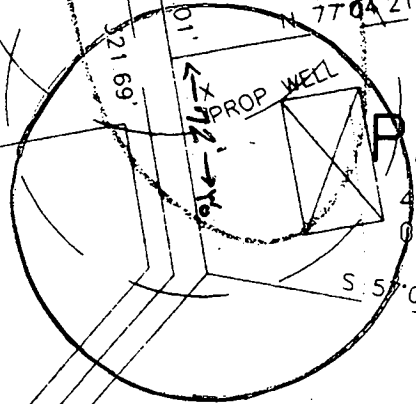
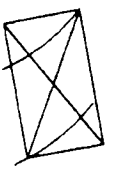
RES  
Q. FT.

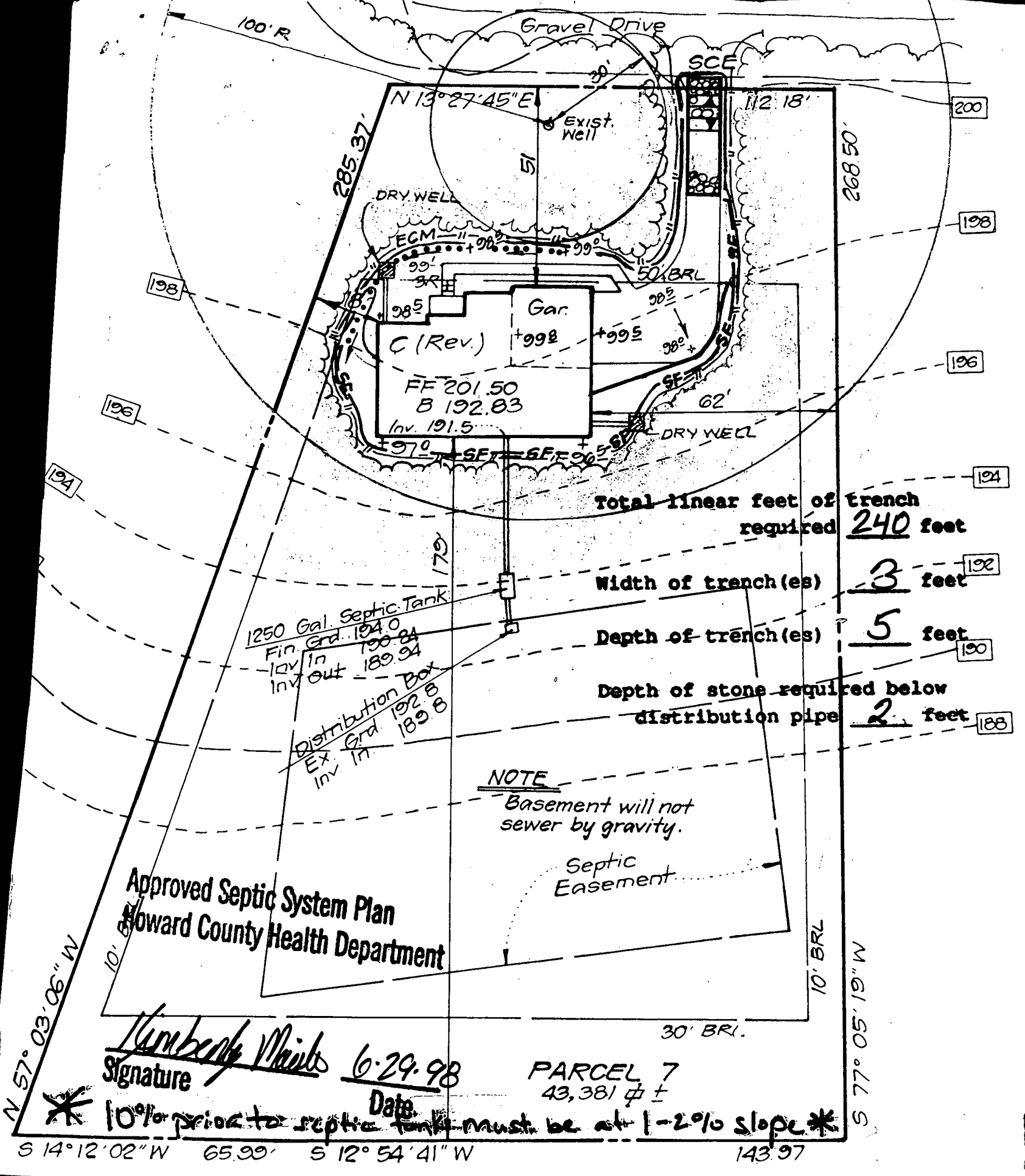
PROP WELL

PROP WELL

PROP WELL

PROP WELL





Total linear feet of trench required 240 feet

Width of trench (es) 3 feet

Depth of trench (es) 5 feet

Depth of stone required below distribution pipe 2 feet

**NOTE**  
Basement will not sewer by gravity.

Septic Easement

Approved Septic System Plan  
Howard County Health Department

*Lumberg Maiba*  
Signature 6-29-98  
Date

PARCEL 7  
43,381 ±

\* 10% prior to septic tank must be at 1-2% slope \*

S 14° 12' 02" W 65.99' S 12° 54' 41" W 143.97'

EKB

EKA  
EKB2

N 69°43'12" W 785.92'

S 48°31'58" W 288.98'

299473 SQ. FT.  
6.8750 ACRES

EX HOUSE

X EX WELL

N 45°32'39" E 342.99'

PROPOSED SEPTIC

X EX WELL

NOT INCLUDED

72336 SQ. FT.  
1.6606 ACRES

PARCEL 5

N 61°02'44" E 102.57'

EX. WELL

8°15'22" E 506.24'

PROPOSED SEPTIC

N 77°05'19" W 266.91'

1.0141 ACRES  
44174 SQ. FT.

PARCEL 6

PROPOSED SEPTIC

S 13°27'45" W 317.74'

EX. WELL

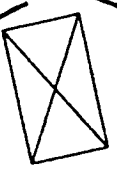
S 15°27' W 165.00'

WELL

S 12°55'04" W 167.00'

Approved  
Peric Cert  
3/18/99

14° E 603.15'



650



3C

PROPOSED SEPTIC

PROPOSED SEPTIC

43381 SQ. FT.  
0.9959 ACRES

PARCEL 7

N 57°03'06" W 285.37'

EX. WELL

S 12°55'04" W 141.98'

S 14°12'02" W 65.99'

30902 SQ. FT.