

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 57348

A 50087C

DISTRICT \_\_\_\_\_

DATE 10-23-96

DATE SYSTEM APPROVED 11-1-96

INSPECTOR jt

#### HOWARD COUNTY HEALTH DEPARTMENT

##### BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

Cumberland & Company

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

ADDRESS 16391 A. E. Mullinix Road, Woodbine, Maryland 21797 PHONE 301-854-6838

SUBDIVISION Wainwright Estates ~~LOT~~ Parcel 7 ROAD 13050 Wainwright Road

PROPERTY OWNER Scott and Pamela Szeliga

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 3 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 2.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 60' off the left property line and 145' from the lot corner at the end of the flagstem driveway. Run trenches on contour to left side of property.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 7/1/96 DKS

PLANS APPROVED BY Mark Rifkin DATE 1/3/95

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

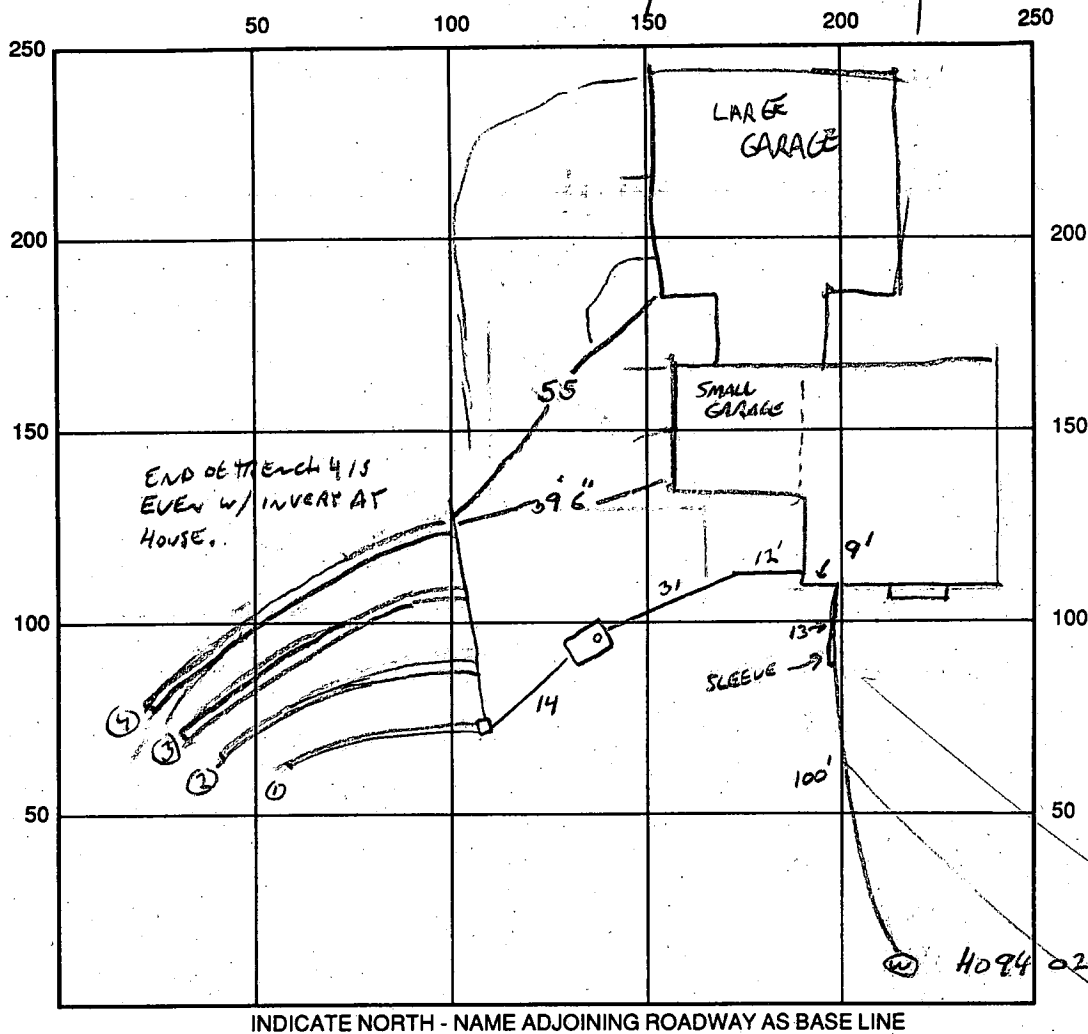
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

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**



SEPTIC TANK LEVEL ok CLEANOUTS ok

DISTRIBUTION BOX LEVEL ok

DRAIN FIELD/TITLE DEPTH 4 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2.5 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 60/24/82/91 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 909 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 10-31-96 OK TO COVER 1ST 2 TRENCHES, TANK + BOX, WPI OK TO  
COVER, NEEDS BRASS WIRE-NOTED. 11-1-96 OK TO COVER  
SYSTEM.

DATE SYSTEM APPROVED 11-1-96 INSPECTOR [Signature]

# APPLICATION

PERCOLATION TESTING

A 50087C

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 9/14/94

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 MARY ANN NORRIS Scott Pamela Szeliga

ADDRESS 501 Palisades Blvd Crownsville Md. 21032 PHONE 410 923-2348

AGENT OR PROSPECTIVE BUYER Ol L Ketterman

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

PROPERTY LOCATION:

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

ROAD AND DESCRIPTION West of Rt 108 in 5th Election District  
13050 Warhugher Road

TAX MAP 40 PARCEL # 503

SIZE OF LOT 4.2066 Ac TYPE BLDG. Single Family - 5 BRMS  
6.000 Ac 6.000 Ac (SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED  
AND RETURNED 5-16-96  
Serial # 64960

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. Ol L Ketterman  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING PERCS FAST, HOLD FOR PLAT MR 10/14/94

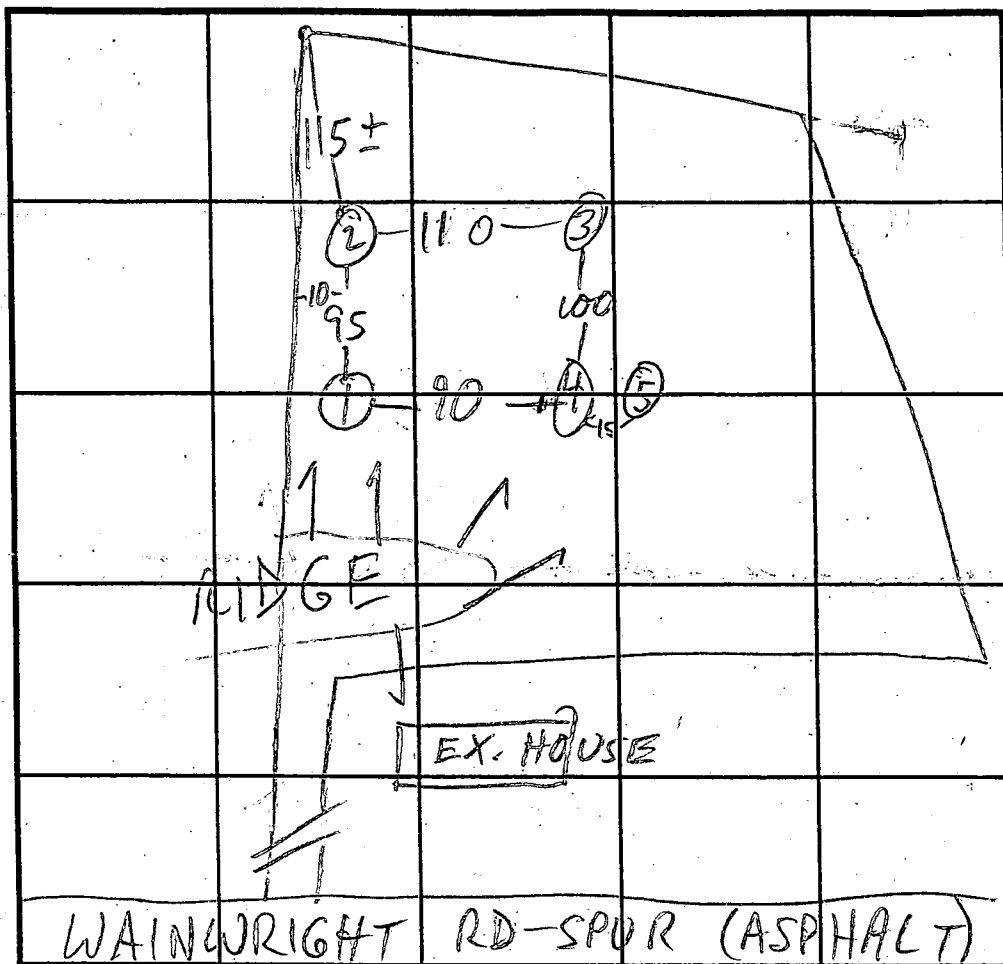
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

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

## THIS IS NOT A PERMIT

Panel 2  
SOIL PROFILE

## SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

| DATE    | TEST NO. | DEPTH  | PRE-WET             |          | TEST - 1" DROP |          | TIME   |
|---------|----------|--------|---------------------|----------|----------------|----------|--------|
|         |          |        | START               | STOP     | START          | STOP     |        |
| 8/26/94 | 1 S      | 3 1/2  | 10:53:30            | 10:55:15 | 10:55:15       | 10:58:15 | 3 min  |
|         | 1 M      | 6      | 10:58:45            | 10:59:10 | 10:59:10       | 10:59:45 | 35 sec |
|         | 1 V      | 6 1/2  | 10:59:15            | 10:59:30 | 10:59:30       | 11:02:45 | 3 min  |
|         | 2 S      | 3'9"   | 11:06:45            | 11:07:30 | 11:07:30       | 11:08:45 | 1 min+ |
|         | 2 V      | 11 1/2 | HARD                | BOT      |                |          |        |
|         | 3 S      | 3 1/2  | 11:18:30            | 11:19:15 | 11:19:15       | 11:20:15 | 1 min  |
|         | 3 V      | 10     | HARD                | BOT      |                |          |        |
|         | 4 V      | 10     | HARD                | BOT      |                |          |        |
|         | 5 V      | 4      | 30-40 %             | Rock     | NO             | REFUSAL  |        |
|         |          |        | BUT ADJUSTED ANYWAY |          |                |          |        |

REMARKS

TYPE OF SOIL SPEC. NOTE: ALL TRENCHES W/IN SDA

TESTED BY M. Rifkin

ALSO PRESENT OK Jr. owners

### TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH 3

INLET DEPTH  $2\frac{1}{2}$

MAXIMUM BOTTOM DEPTH 4 1/2

SQ. FT./BEDROOM 180

|                                                                                                                                                                                                                                                                                                         |  |                                                                                |  |                                                                                                             |  |                                                                                                                                                       |  |                                                                                                                                                                  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| <b>C1 5987</b>                                                                                                                                                                                                                                                                                          |  | SEQUENCE NO.<br>(DENV USE ONLY)                                                |  | <b>STATE OF MARYLAND<br/>WELL COMPLETION REPORT</b><br>FILL IN THIS FORM COMPLETELY<br>PLEASE PRINT OR TYPE |  |                                                                                                                                                       |  | THIS REPORT MUST BE SUBMITTED WITHIN<br>45 DAYS AFTER WELL IS COMPLETED.                                                                                         |  |  |  |
| (THIS NUMBER IS TO BE PUNCHED<br>IN GOLS. 3-6 ON ALL CARDS)                                                                                                                                                                                                                                             |  |                                                                                |  |                                                                                                             |  |                                                                                                                                                       |  | COUNTY<br>NUMBER <b>A50087C</b>                                                                                                                                  |  |  |  |
| ST/CO USE ONLY<br>DATE Received                                                                                                                                                                                                                                                                         |  | DATE WELL COMPLETED                                                            |  | Depth of Well                                                                                               |  |                                                                                                                                                       |  | PERMIT NO.                                                                                                                                                       |  |  |  |
| <div>8</div> <div>13</div>                                                                                                                                                                                                                                                                              |  | <div>15</div> <div>20</div>                                                    |  | <div>22</div> <div>400</div> <div>26</div><br>(TO NEAREST FOOT)                                             |  |                                                                                                                                                       |  | <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div><br><b>H0-94-0276</b> |  |  |  |
| OWNER <b>Norris</b>                                                                                                                                                                                                                                                                                     |  | last name                                                                      |  | first name <b>Mary Ann</b>                                                                                  |  | TOWN <b>Highland</b>                                                                                                                                  |  | LOT <b>7</b> Parcel <b>503</b>                                                                                                                                   |  |  |  |
| STREET OR RFD <b>Wainwright Rd</b>                                                                                                                                                                                                                                                                      |  | SUBDIVISION <b>WAINWRIGHT ESTATE</b>                                           |  | SECTION                                                                                                     |  | LOT <b>7</b>                                                                                                                                          |  | Parcel <b>503</b>                                                                                                                                                |  |  |  |
| <b>WELL LOG</b><br>Not required for driven wells                                                                                                                                                                                                                                                        |  | <b>GROUTING RECORD</b>                                                         |  | <b>C 3</b>                                                                                                  |  | <b>PUMPING TEST</b>                                                                                                                                   |  |                                                                                                                                                                  |  |  |  |
| STATE THE KIND OF FORMATIONS<br>PENETRATED, THEIR COLOR, DEPTH,<br>THICKNESS AND IF WATER BEARING                                                                                                                                                                                                       |  | WELL HAS BEEN GROUTED<br>(Circle Appropriate Box)                              |  | <b>YES</b> <b>Y</b> <b>NO</b> <b>N</b>                                                                      |  | HOURS PUMPED (nearest hour) <b>6</b>                                                                                                                  |  |                                                                                                                                                                  |  |  |  |
| DESCRIPTION (Use<br>additional sheets if needed)                                                                                                                                                                                                                                                        |  | TYPE OF GROUTING MATERIAL                                                      |  | CEMENT <b>CM</b> BENTONITE CLAY <b>BC</b>                                                                   |  | PUMPING RATE (gal. per min.<br>to nearest gal.) <b>3</b>                                                                                              |  |                                                                                                                                                                  |  |  |  |
| FEET<br>FROM TO                                                                                                                                                                                                                                                                                         |  | NO. OF BAGS <b>9</b> NO. OF POUNDS <b>900</b>                                  |  | GALLONS OF WATER <b>45</b>                                                                                  |  | METHOD USED TO<br>MEASURE PUMPING RATE <b>Bucket</b>                                                                                                  |  |                                                                                                                                                                  |  |  |  |
| top soil 0 2                                                                                                                                                                                                                                                                                            |  | DEPTH OF GROUT SEAL (to nearest foot)                                          |  | from <b>0</b> ft. to <b>34</b> ft.                                                                          |  | WATER LEVEL (distance from land surface)                                                                                                              |  |                                                                                                                                                                  |  |  |  |
| shale 2 19                                                                                                                                                                                                                                                                                              |  | from <div>48</div> TOP <div>52</div> ft. to <div>54</div> BOTTOM <div>58</div> |  |                                                                                                             |  | BEFORE PUMPING <b>66</b>                                                                                                                              |  |                                                                                                                                                                  |  |  |  |
| Brown mica 19 24                                                                                                                                                                                                                                                                                        |  |                                                                                |  |                                                                                                             |  | WHEN PUMPING <b>210</b>                                                                                                                               |  |                                                                                                                                                                  |  |  |  |
| shale 24 29                                                                                                                                                                                                                                                                                             |  |                                                                                |  |                                                                                                             |  | TYPE OF PUMP USED (for test)                                                                                                                          |  |                                                                                                                                                                  |  |  |  |
| Brown mica 29 34                                                                                                                                                                                                                                                                                        |  |                                                                                |  |                                                                                                             |  | <b>A</b> air <b>P</b> piston <b>T</b> turbine                                                                                                         |  |                                                                                                                                                                  |  |  |  |
| grey mica 34 120                                                                                                                                                                                                                                                                                        |  |                                                                                |  |                                                                                                             |  | <b>C</b> centrifugal <b>R</b> rotary <b>O</b> other (describe below)                                                                                  |  |                                                                                                                                                                  |  |  |  |
| Brown mica 120 121                                                                                                                                                                                                                                                                                      |  |                                                                                |  |                                                                                                             |  | <b>J</b> jet <b>S</b> submersible                                                                                                                     |  |                                                                                                                                                                  |  |  |  |
| grey mica 121 400                                                                                                                                                                                                                                                                                       |  |                                                                                |  |                                                                                                             |  |                                                                                                                                                       |  |                                                                                                                                                                  |  |  |  |
| NOTE:<br>2.5 GPM                                                                                                                                                                                                                                                                                        |  |                                                                                |  |                                                                                                             |  |                                                                                                                                                       |  |                                                                                                                                                                  |  |  |  |
| IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY<br>WHERE SATURATED FRACTURES WERE OBSERVED                                                                                                                                                                                                                    |  | <b>C 2</b>                                                                     |  | <b>OTHER CASING (if used)</b>                                                                               |  | <b>PUMP INSTALLED</b>                                                                                                                                 |  |                                                                                                                                                                  |  |  |  |
| WELL HYDROFRACTURED <b>yes</b> <b>Y</b> <b>no</b> <b>N</b>                                                                                                                                                                                                                                              |  | screen type or open hole                                                       |  | diameter inch                                                                                               |  | driller will install pump <b>YES</b> <b>NO</b>                                                                                                        |  |                                                                                                                                                                  |  |  |  |
| CIRCLE APPROPRIATE LETTER                                                                                                                                                                                                                                                                               |  | insert appropriate code below                                                  |  | depth (feet) from to                                                                                        |  | IF DRILLER INSTALLS PUMP, THIS SECTION<br>MUST BE COMPLETED FOR ALL WELLS<br>EXCEPT HOME USE                                                          |  |                                                                                                                                                                  |  |  |  |
| <b>A</b> A WELL WAS ABANDONED AND SEALED<br>WHEN THIS WELL WAS COMPLETED                                                                                                                                                                                                                                |  | <b>ST</b> STEEL <b>BR</b> BRASS <b>HO</b> OPEN HOLE                            |  | <b>1</b> <b>40</b> <b>30</b> <b>900</b>                                                                     |  | TYPE OF PUMP INSTALLED                                                                                                                                |  |                                                                                                                                                                  |  |  |  |
| <b>E</b> ELECTRIC LOG OBTAINED                                                                                                                                                                                                                                                                          |  | <b>PL</b> PLASTIC <b>OT</b> OTHER                                              |  | <b>2</b> <b>23</b> <b>24</b> <b>26</b> <b>30</b> <b>32</b> <b>36</b>                                        |  | PLACE (A,C,J,P,R,S,T,O)                                                                                                                               |  |                                                                                                                                                                  |  |  |  |
| <b>P</b> TEST WELL CONVERTED TO PRODUCTION<br>WELL                                                                                                                                                                                                                                                      |  |                                                                                |  | <b>3</b> <b>38</b> <b>39</b> <b>41</b> <b>45</b> <b>47</b> <b>51</b>                                        |  | IN BOX - SEE ABOVE                                                                                                                                    |  |                                                                                                                                                                  |  |  |  |
| I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN<br>ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"<br>AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE<br>ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRE-<br>SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF<br>MY KNOWLEDGE |  | SLOT SIZE 1 2 3                                                                |  | Diameter of screen <div>56</div> (NEAREST INCH) <div>60</div>                                               |  | CAPACITY:<br>GALLONS PER MINUTE (to nearest gallon) <div>31</div> <div>35</div>                                                                       |  |                                                                                                                                                                  |  |  |  |
| DRILLERS IDENT. NO. <b>40</b>                                                                                                                                                                                                                                                                           |  | GRAVEL PACK                                                                    |  | from to                                                                                                     |  | PUMP HORSE POWER <div>37</div> <div>41</div>                                                                                                          |  |                                                                                                                                                                  |  |  |  |
| DRILLERS SIGNATURE <b>Deane F. Eusterman</b>                                                                                                                                                                                                                                                            |  | IF WELL DRILLED WAS<br>FLOWING WELL INSERT<br>F IN BOX 68                      |  | <div>68</div>                                                                                               |  | PUMP COLUMN LENGTH (nearest ft.) <div>43</div> <div>47</div>                                                                                          |  |                                                                                                                                                                  |  |  |  |
| DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)                                                                                                                                                                                                                                                |  | MDE USE ONLY<br>(NOT TO BE FILLED IN BY DRILLER)                               |  | T (E.R.O.S.)                                                                                                |  | Casing height (circle appropriate box<br>and enter casing height)                                                                                     |  |                                                                                                                                                                  |  |  |  |
| SITE SUPERVISOR (sign of driller or journeyman<br>responsible for sitework if different from permittee)                                                                                                                                                                                                 |  | TELESCOPE CASING                                                               |  | LOG INDICATOR                                                                                               |  | <b>+</b> above <b>-</b> below                                                                                                                         |  |                                                                                                                                                                  |  |  |  |
|                                                                                                                                                                                                                                                                                                         |  | OTHER DATA                                                                     |  |                                                                                                             |  | LAND SURFACE <b>2</b> (nearest foot) <div>50</div> <div>51</div>                                                                                      |  |                                                                                                                                                                  |  |  |  |
|                                                                                                                                                                                                                                                                                                         |  |                                                                                |  |                                                                                                             |  | LOCATION OF WELL ON LOT                                                                                                                               |  |                                                                                                                                                                  |  |  |  |
|                                                                                                                                                                                                                                                                                                         |  |                                                                                |  |                                                                                                             |  | SHOW PERMANENT STRUCTURE SUCH AS<br>BUILDING, SEPTIC TANKS, AND/OR<br>LANDMARKS AND INDICATE NOT LESS<br>THAN TWO DISTANCES<br>(MEASUREMENTS TO WELL) |  |                                                                                                                                                                  |  |  |  |
|                                                                                                                                                                                                                                                                                                         |  |                                                                                |  |                                                                                                             |  |                                                                                                                                                       |  |                                                                                                                                                                  |  |  |  |

# Approved Septic System Plan Howard County Health Department

EX. EL. Tr.: 418  
Inv. Tr.: 415.5  
Db. In.: 416  
St. Out.: 416.5  
St. In.: 417  
House Inv.: 418

Signature

Date

5/17/96

\*Note: Elevations  
Contours Not Accurate (Co. Topo.)  
10'0" WIDE DRIVEWAY

PARCEL 6 TRENCH TYPICAL -  
3.6100 AC. ACTUAL TRENCH  
LENGTH BY H.D.

1st Floor  
Elevation  
422

BE 414

WM  
E

COMMON WITH  
✓ DESCRIBED IN  
1)

SCALE: 1" = 100'

LOCATION OF HOUSE  
Parcel #7 WAINWRIGHT  
HIGHLAND, MD 20777  
HOWARD COUNTY  
Election District: 5th

