

12/8/98  
NOON

# PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 51129

A 48843

DISTRICT \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

DATE 12/3/98

DATE SYSTEM APPROVED 12/8/98

INSPECTOR HL

INDEXED

Fogle's Septic Clean, Inc.

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

ADDRESS 558 Obrecht Road Sykesville, Maryland 21784 PHONE (410) 795-5674

SUBDIVISION Quarterfield LOT 27 ROAD 3745 Running Springs Road

PROPERTY OWNER Dale Thompson Builders

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

NOTE TO INSTALLER - SEE PLAN  
FOR SUGGESTION ON ALTERNATE  
DISTRIBUTION BOX LOCATION.

TRENCHES - Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - From the junction of the 329.73' and 115.00' lot lines, place the distribution box 90 feet up the 329.73' lot line and 10 feet off that same lot line. Run trenches along contour towards the opposite 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.

PLANS APPROVED BY Glen Savage, Mark E. Rifkin GL/CO DATE 10/26/98

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

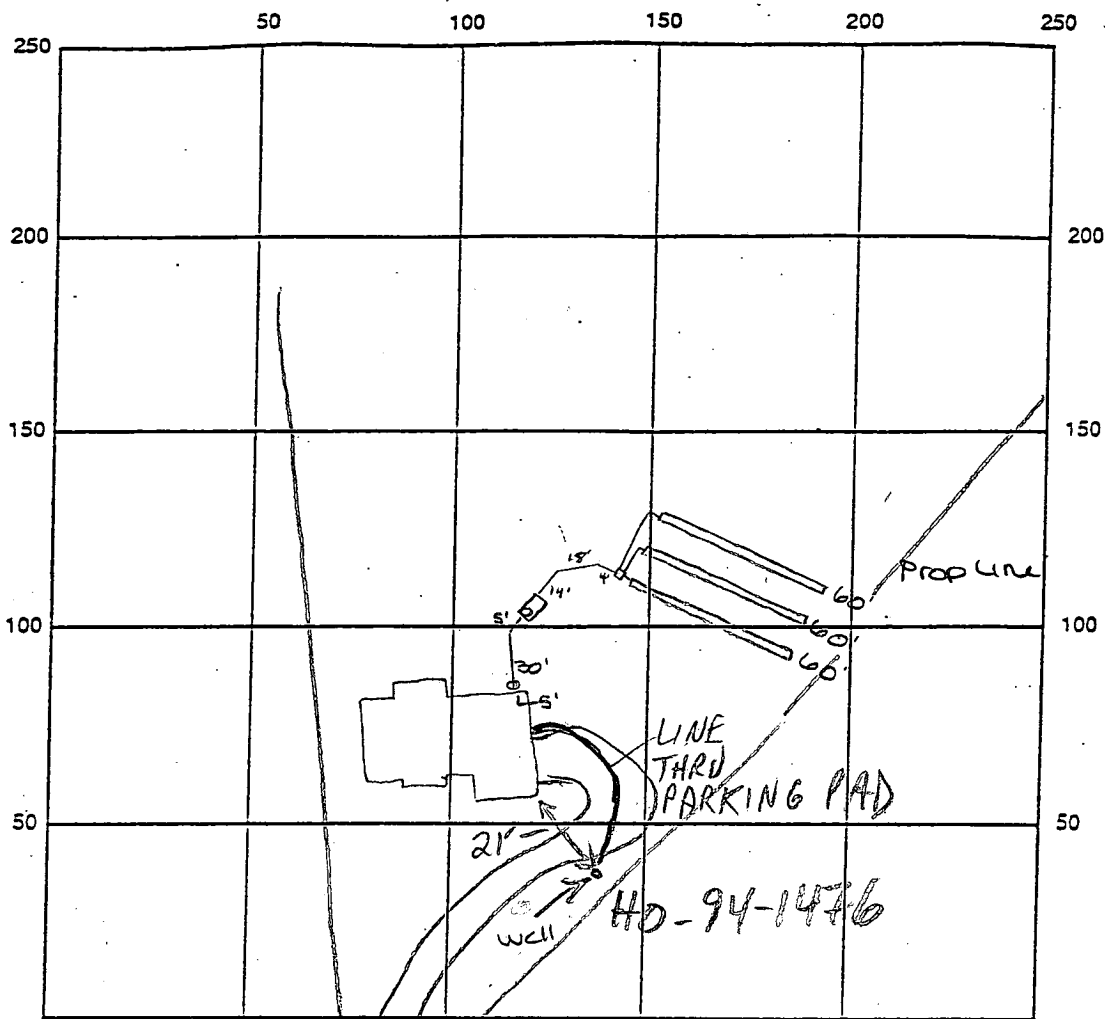
\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

HD-250(6-90)

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

OLD PERMIT SIGNED  
AND RETURNED 2/16/00  
000122459 Deck

48843



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
Running Springs Road

SEPTIC TANK LEVEL OK CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 7.5 FT. TRENCH WIDTH 2.0 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 4.0 FT. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 4.0 FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 12/8/98 OK to cover all work final

DATE SYSTEM APPROVED 12/8/98

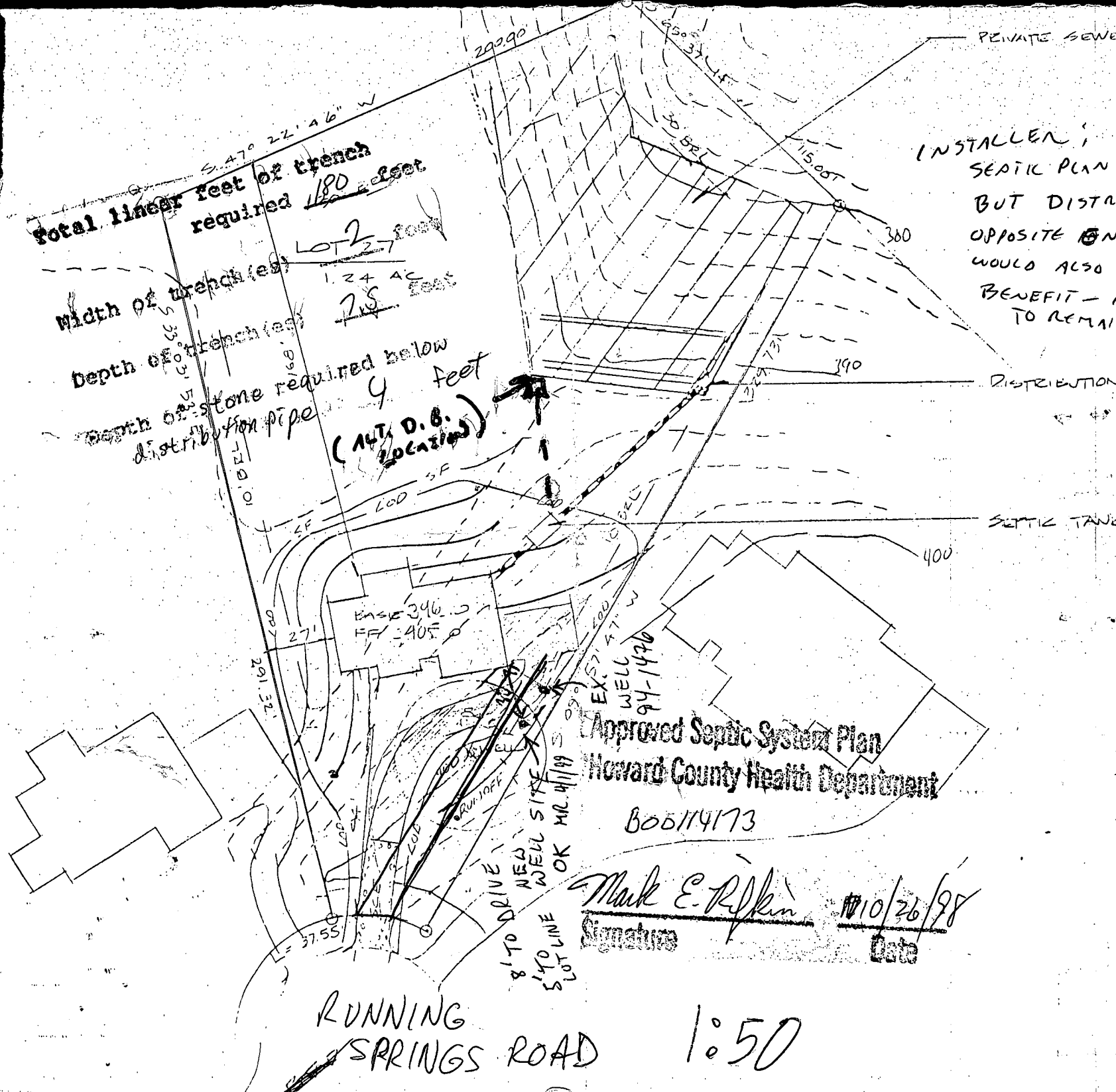
INSPECTOR A. McMillan

Total linear feet of trench required 180 feet

width of trench (est) 2 feet

Depth of trench (est) 4 feet  
(14" D.B. location)

INSTALLER;  
SEPTIC PLAN OR AS DRAWN,  
BUT DISTRIBUTION BOX AT  
OPPOSITE END OF TRENCHES  
WOULD ALSO BE ACCEPTABLE,  
BENEFIT - IMPROVES ACCESS  
TO REMAINDER OF REPAIR AREA.  
(CW)



Approved Septic System Plan  
Howard County Health Department

B00114173

Mark E. Rifkin  
Signature

10/26/98  
Date

Septic Grades & Elevations		
	Inv.	Grade
INVERT @ DIST. BOX	387.00	391.0
INVERT @ EXIT OF TANK	394.50	
INVERT @ ENTRANCE OF TANK	394.15	
INVERT @ HOUSE	395.0	392.0

RUNNING  
SPRINGS ROAD

1:50

# APPLICATION

## PERCOLATION TESTING

43  
A 488216  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DISTRICT \_\_\_\_\_

DATE 1/7/93

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 Joseph M. Zoller, III DALE Thompson Builders  
11696 Carroll Mill Road  
ADDRESS Ellicott City, Maryland 21043 PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER SDC Group, Inc.  
ADDRESS P.O. Box 417, Ellicott City, MD 21041 PHONE (410) 465-4244

### PROPERTY LOCATION:

SUBDIVISION Zoller Property LOT NO. 10/27

ROAD AND DESCRIPTION Northeast quadrant Folly Quarter Road and Carroll Mill Road  
intersection. (3745 Running Springs Road)

TAX MAP 23 PARCEL # 8,82 & 101

SIZE OF LOT 1 Ac +/- TYPE BLDG. Single Family - 4 Bdr  
(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. SDC Group Inc.  
By: Ash Bick VP  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING PERC OK - HOLD FOR PLAT MR 7/26/93

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

COUNTY #

Lot 10

## SOIL PROFILE

0' (127)(127A)

brn ofg  
sa /m  
40-50%  
hard  
frags  
throat  
↑ width

126

tan 059  
sa 1 m

brn Jam  
5a 1m  
5-10%  
frags

br sa  
cl lm

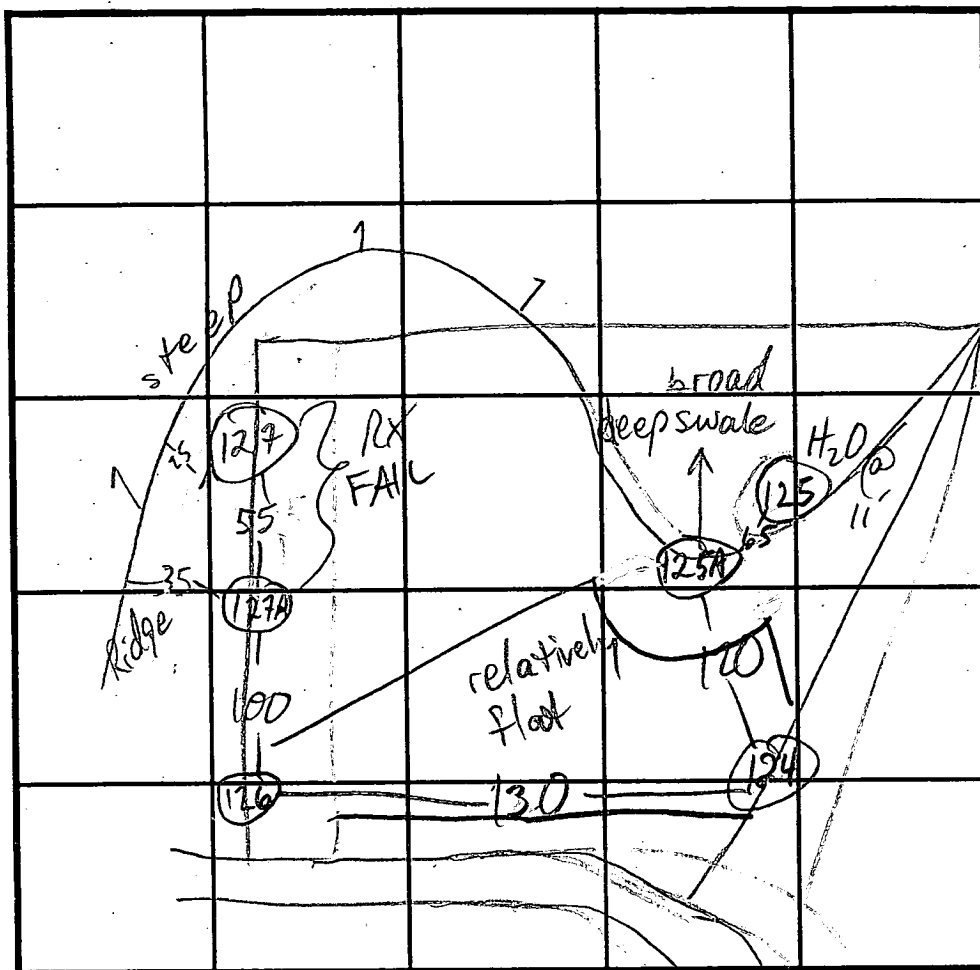
brn  
tan  
sa hn  
10% frags

WATER

in (125)

## SOIL PROFILE

0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/10/93	127 V	11 1/2	40-50%	HARD R	x frags	From 1 1/2'	FAIL
	127A V	12'	40-50%	HARD R	x frags	From 1 1/2'	FAIL
2/11/93	126 S H	5 9	1:14:15 1:15:30	1:15:15 1:16:30	1:15:15 1:16:30	1:18:30 1:18:45	3+ min 2+ min
	126 V	13 1/2	see	profile			
	125 S M	4 1/2 8	1:23:30 1:23:45	1:25:15 1:25:15	1:25:15 1:25:15	1:27:00 1:26:00	1 3/4 min < 1 min
	125 M V	8 11	1:26:30 see	1:28:00 profile	1:28:00 WATER	1:31:00 @ 11'	3 min FAIL
	125A V	11 1/2	see	profile	DRY		
	124 S H	4 8 1/2	1:36:00 1:36:15	1:39:00 1:37:00	1:39:00 1:37:00	1:45:00 1:38:45	6 min 1 3/4 min
	124 V	12	see	profile			

REMARKS USE (126) - (124) - (125A)

TYPE OF SOIL

TESTED BY M. Riskin

ALSO PRESENT C. Sperry, Hatfield crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 TRENCH WIDTH 2

INLET DEPTH 3 1/2 MAXIMUM BOTTOM DEPTH 7 1/2 SQ. FT./BEDROOM 180

# APPLICATION

PERCOLATION TESTING

A 48843

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
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COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. SDC Group Inc  
By: Josh Pugh VP  
(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 \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

276

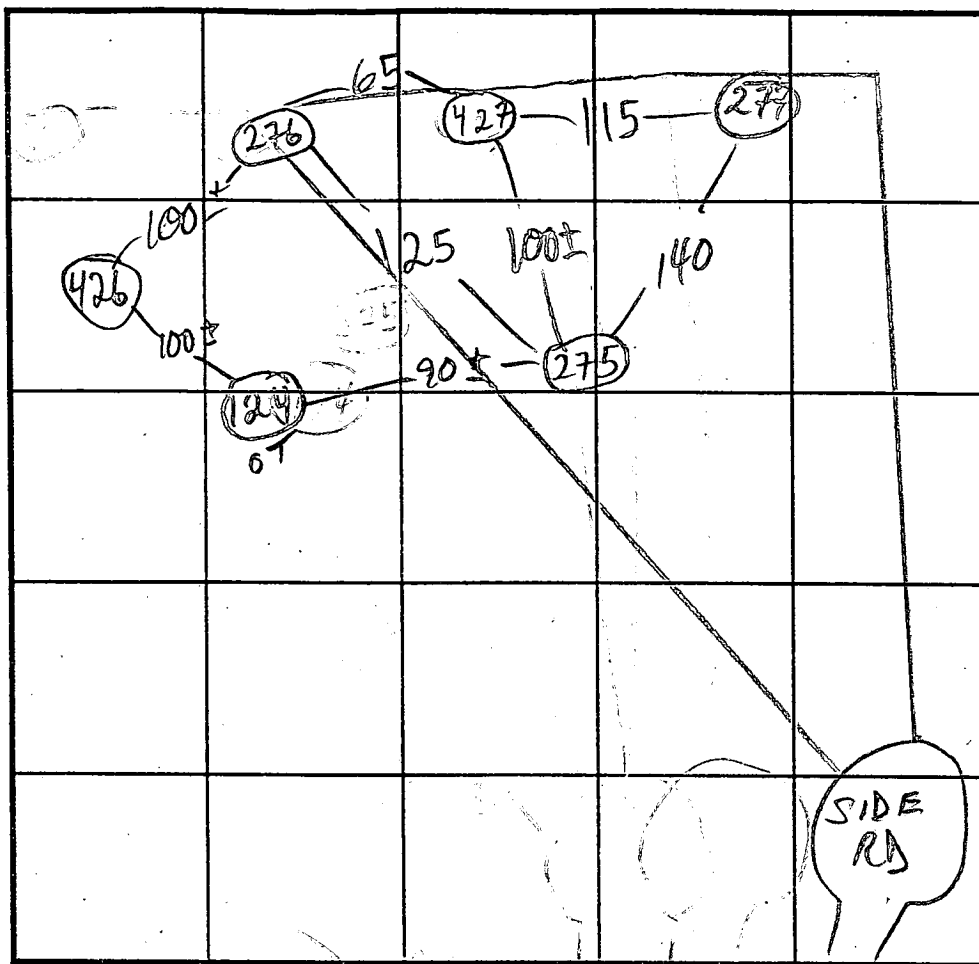
tan/brn  
sac lm  
10% frags  
0.9 g  
tan sa  
lm  
5-15%  
frags

426

tan sa  
cl lm  
10% frags  
tan sa  
lm  
10-20%  
frags  
tan sa  
lm  
<10%  
frags

SCIL PROFILE

0'



INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/3/94	276 S	4 1/2	1:46:25	1:47:05	1:47:05	1:48:20	1 1/4 min
	276 V	11 1/2					
	277 S	5	2:12:50	2:14:25	2:14:25	2:17	2 +
	277 V	13					
	275 S	5	2:03:20	2:04:05	2:04:05	2:05:15	1 +
	275 V	11 1/2					
	427 S	5	1:51:45	1:52:30	1:52:30	1:53:30	1
	427 V	13	clay	40 3'	sim to profile		
	426 S	4 1/2	1:15	1:21	1:21	1:37	16
	426 V	11 1/2					

REMARKS

TYPE OF SOIL

TESTED BY

M. Rifkin

ALSO PRESENT

Hatfield crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

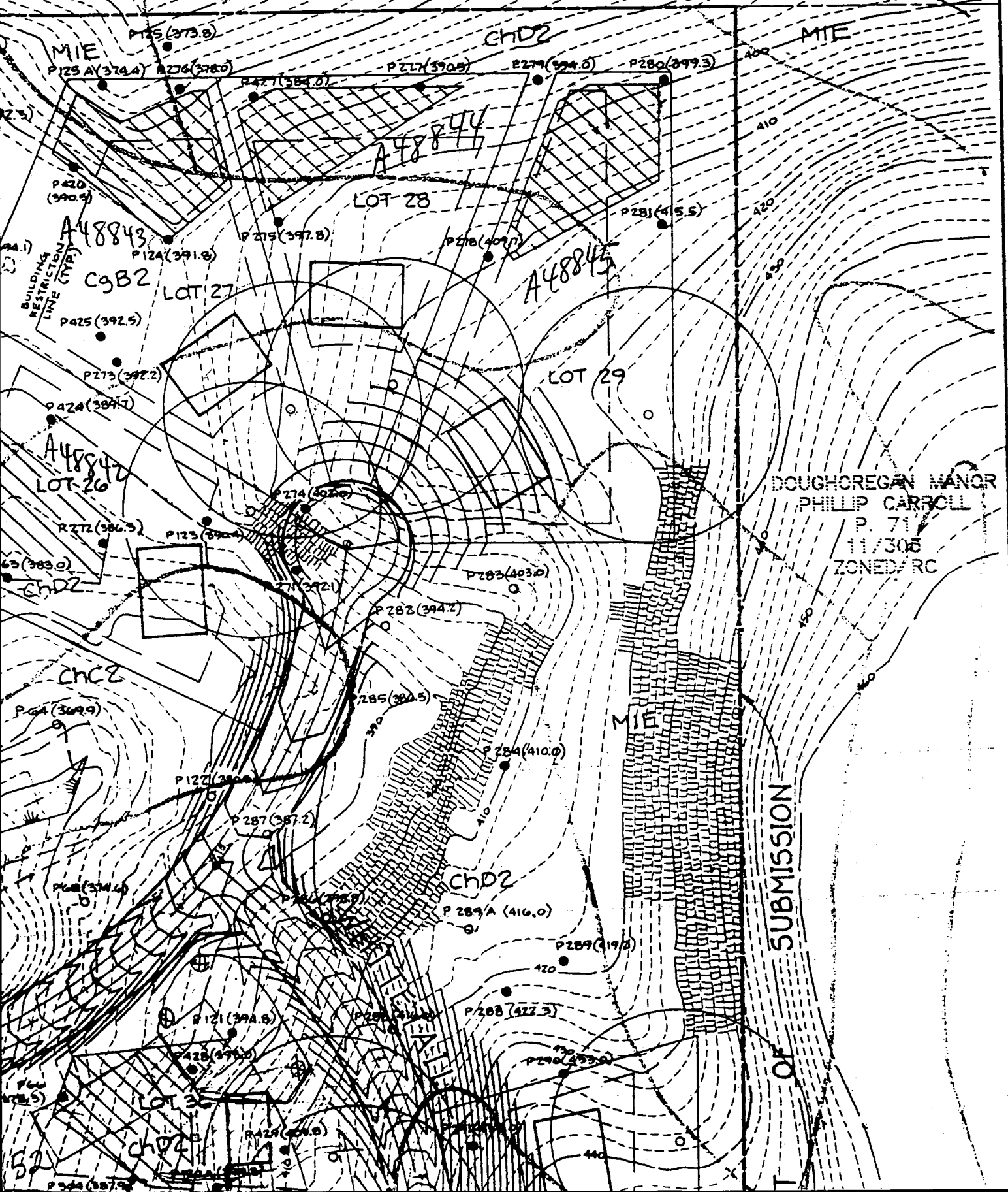
INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

Signed perc cent

TRACT  
41-4342  
PAGE LOT 11





B 1	<b>7466</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <b>H0-94-2216</b> <small>fill in this form completely</small>
<div style="display: flex; justify-content: space-between;"> <div style="width:48%;"> <p>Date Received (APA) <b>04/01/99</b></p> <p><b>OWNER INFORMATION</b></p> <p>8 MM DD YY 13  Last Name <u>Thompson</u> Owner <u>Dale</u> First Name <u>Dale</u>  15 <u>10005 Old Columbia Rd</u>  36 <u>Columbia</u> <u>MD</u> <u>21046</u>  57 <u>Columbia</u> <u>MD</u> <u>21046</u></p> <p><b>DRILLER INFORMATION</b></p> <p>Driller's Name <u>Joseph L. Wayne</u> MSD <u>024</u>  76 License No. 81  Firm Name <u>Joseph L. Wayne Well Drilling</u>  <u>5512 Ridge Rd. Mt. Airy 21771</u>  Address <u>Joseph L. Wayne 4/1/99</u>  Signature <u>Joseph L. Wayne</u> Date <u>4/1/99</u></p> </div> <div style="width:48%;"> <p><b>LOCATION OF WELL</b></p> <p>8 COUNTY <u>Howard</u> 21  23 SUBDIVISION <u>Quarterfield</u> 42  SECTION <u>44</u> <u>46</u> LOT <u>27</u> <u>48</u> <u>50</u>  52 NEAREST TOWN <u>West Friendship</u> 71  MILES FROM TOWN (enter 0 if in town) <u>4</u> M I  73 76 77 78</p> <p><b>DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</b></p> <p><b>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)</b></p> <p>11 <u>Running Spring Rd.</u> 30  NEAR WHAT ROAD  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  34 <u>80</u> 37  DISTANCE FROM ROAD <u>FT</u>  ENTER FT OR MI 38 39  TAX MAP: <u>23</u> BLK: <u>15</u> PARCEL <u>101</u></p> </div> </div>				
<div style="display: flex; justify-content: space-between;"> <div style="width:48%;"> <p><b>WELL INFORMATION</b></p> <p>1 2  APPROX. PUMPING RATE (GAL. PER MIN.) <u>5</u>  8 12  AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>500</u>  14 20</p> <p><b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b></p> <p><input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY &amp; RESIDENTIAL IRRIGATION  <input type="checkbox"/> FARMING (LIVESTOCK WATERING &amp; AGRICULTURAL IRRIGATION)  <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING  <input type="checkbox"/> PUBLIC WATER SUPPLY WELL  <input type="checkbox"/> TEST, OBSERVATION, MONITORING  <input type="checkbox"/> GEO-THERMAL</p> </div> <div style="width:48%;"> <p><b>NOT TO BE FILLED IN BY DRILLER, HEALTH DEPARTMENT APPROVAL</b></p> <p>COUNTY NAME <u>Howard</u> COUNTY NO. <u>A48843</u>  STATE SIGNATURE <u>Mark E. R. R. R.</u> INSERT S <u>S</u>  DATE ISSUED <u>04/01/99</u> 41  43 MM DD YY 48  CO SIGNATURE <u>Mark E. R. R. R.</u> EXP/DATE <u>4/1/00</u>  NORTH GRID <u>522</u> <u>000</u> EAST GRID <u>0826</u> <u>000</u>  50 55 57 63</p> </div> </div>				
<p>APPROXIMATE DEPTH OF WELL <u>200</u> FEET  24 28</p> <p>APPROXIMATE DIAMETER OF WELL <u>6</u> INCH  NEAREST INCH</p> <p><b>METHOD OF DRILLING (circle one)</b></p> <p>BORED (or Augered) JETTED Jetted &amp; DRIVEN  30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)  32 CABLE REVERSE-ROTARY DRIVE-POINT  other _____</p> <p><b>REPLACEMENT OR DEEPEENED WELLS (CIRCLE APPROPRIATE BOX)</b></p> <p><input type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL  <input checked="" type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  39 <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  <input type="checkbox"/> THIS WELL WILL DEEPEEN AN EXISTING WELL  PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41 _____ 52</p> <p><b>Not to be filled in by driller (MDE OR COUNTY USE ONLY)</b></p> <p>APPROP. PERMIT NUMBER _____ GAP _____ 63  PERMIT No. <u>H0-94-2216</u>  70 71 72 73 74 75 76 77 78 79</p>				
<p><b>SPECIAL CONDITIONS</b></p> <p>NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED - <b>YIELD TEST REQUIRED</b></p>				



## HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

March 26, 1999

Mr. Dale Thompson  
c/o Dale Thompson Builders  
10005 Old Columbia Road  
Suite N-165  
Columbia, MD 21046

RE: Well Location Concerns  
Quarterfield, Lot 27  
3745 Running Springs Road  
Well Permit # HO-94-1476

Dear Mr. Thompson:

On March 25, 1999, a well line inspection was conducted at the above referenced property. Although the installation of plumbing was satisfactory, the well was observed to be located 21 feet from the attached garage.

This condition is not consistent with Maryland well regulations COMAR 26.04.04., which are designed to provide a minimum separation distance of thirty feet between wells and structures. Additionally, the proximity of the well to the garage virtually assures that the well will be less than ten feet to the driveway, thereby providing risk of vehicular damage to the well.

This agency hereby requests that the well HO-94-1476 be properly abandoned and a replacement well drilled at a location meeting separation distance requirements.

Alternately, you can arrange to resolve these issues in a meeting in this office, at which the MDE Regional Sanitarian will also be present. The next available day for such a meeting is Tuesday, March 30, 1999. Please call this office to schedule a time for this meeting on that day.

No Certificate of Potability will be issued for this property until this issue is resolved.

To schedule this meeting or if you have any questions, please call this office at (410) 313-2640.

Very truly yours,

*Mark E. Rifkin*

Mark E. Rifkin, R.S.  
Water and Sewerage Program

MR  
cc: File

AS DISCUSSED 3/30/99  
BUILDER  
WILL SUBMIT  
FOR NOW  
WELL  
CW.

AFTER DISCUSSION  
W/OWNER, H.D.  
AGREED TO ALLOW  
OWNER TO KEEP  
EX. WELL  
4/5/99  
CW/MP

- 2 Samples

New

3745 Runnings Road  
Ellicott City, MD 21042

old

5421 Jersey Belle Ct  
Ellicott City, MD 21043

Donald Brookes

CAMERON TRACT  
PLATS 4341-4342

OPEN SPACE LOT 11

MIE

CHD2

LOT 28

LOT 29

LOT 27

C982

LOT 26

CHC2

CHD2

Well Stake OK

P17(984.1)

P15(973.8)

P175A(974.4) P176(988.0)

P171A(982.8)

P170(980.4)

P174(984.7)

P124(981.8)

P475(982.9)

P275(981.3)

P475(981.2)

P476(981.7)

P272(986.9)

P119(984.7)

P6(988.2)

CHD2

P47(989.9)

P48(984.4)

P177(984.4)

P171(984.1)

P103(987.0)

P283(984.7)

P105(984.9)

P284(910.9)

P289A(416.0)

P109(987.5)

P108(987.5)

11/25/97

11/25/97

10/17/97

85.7

1152

274

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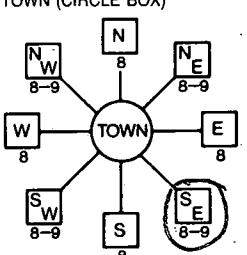
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B 1	<b>8005</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <b>HO-94-1476</b> <small>fill in this form completely</small>
Date Received (APA) <u>11/18/97</u> <small>8 MM DD YY 13</small>		OWNER INFORMATION <u>Thompson</u> <u>Dale</u> <small>15 Last Name Owner First Name 34</small> <u>10005 Old Columbia Rd.</u> <small>36 Street or RFD 55</small> <u>Columbia Md. 21046</u> <small>57 Town 70 State 72 Zip 76</small>		
DRILLER INFORMATION <u>Joseph L. Mayne</u> <u>M 5 D 0 2 4</u> <small>Driller's Name 76 License No. 81</small> <u>Joseph L. Mayne Well Drilling</u> <small>Firm Name</small> <u>5512 Ridge Rd. Mt. Airy Md. 21771</u> <small>Address</small> <u>Joseph L. Mayne</u> <u>11/17/97</u> <small>Signature Date</small>		LOCATION OF WELL <u>Howard</u> <small>8 COUNTY 21</small> <u>Quarterfield</u> <small>23 SUBDIVISION 42</small> SECTION <u>44</u> LOT <u>27</u> <small>44 46 48 50</small> <u>West Friendship</u> <small>52 NEAREST TOWN 71</small> MILES FROM TOWN (enter 0 if in town) <u>4</u> <small>M I 73 76 77 78</small>		
WELL INFORMATION APPROX. PUMPING RATE <u>5</u> <small>(GAL. PER MIN.) 8 12</small> AVERAGE DAILY QUANTITY NEEDED <u>500</u> <small>(GAL. PER DAY) 14 20</small>		DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <u>Running Spring Rd.</u> <small>11 NEAR WHAT ROAD 30</small> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <small>34 65 37</small> DISTANCE FROM ROAD <u>65</u> <small>ENTER FT OR MI 38 39</small> TAX MAP: <u>23</u> BLK: <u>105</u> PARCEL <u>101</u>		
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="radio"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL) <input type="radio"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <u>Howard</u> <u>A 48843</u> <small>COUNTY NAME COUNTY NO.</small> STATE SIGNATURE _____ INSERT S _____ DATE ISSUED <u>03 12 98</u> <u>Mark E. Palkin</u> <u>3/12/99</u> <small>43 MM DD YY 48 CO SIGNATURE EXP. DATE</small> NORTH GRID <u>522 000</u> EAST GRID <u>0826 000</u> <small>50 55 57 63</small>		
APPROXIMATE DEPTH OF WELL <u>240</u> FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL <u>6</u> INCH <small>NEAREST INCH</small>		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. <u>Well</u> 2. _____ 3. _____ WRITE THE BOX NUMBER FROM THE MAP HERE E <u>826</u> N <u>522</u> 000 000		
METHOD OF DRILLING (circle one) <input checked="" type="radio"/> BORED (or Augered) <input type="radio"/> JETTED <input type="radio"/> Jetted & DRIVEN <input checked="" type="radio"/> AIR-ROTARY <input type="radio"/> AIR-PERCussion <input type="radio"/> ROTARY (Hydraulic Rotary) <input type="radio"/> CABLE <input type="radio"/> REVerse-ROTARY <input type="radio"/> Drive-POINT other _____		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="radio"/> THIS WELL WILL DEEPEEN 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 _____ G A P _____ <small>54 63</small> FORCE <u>MR</u> <u>HO-94-1476</u> <small>67 68 70 71 72 73 74 75 76 77 78 79</small> SPECIAL CONDITIONS <small>NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</small>				

C1 05059 SEQUENCE NO. (MDE USE ONLY)

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 A 48843

ST/CO USE ONLY  
DATE Received, MM DD YY  
8 13

DATE WELL COMPLETED  
MM DD YY  
15 13 98  
Depth of Well  
22 180' 26  
(TO NEAREST FOOT)

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"  
HO-94-1776  
28 29 30 31 32 33 34 35 36 37

OWNER Dale Thompson Bldgs  
STREET OR RD Running Springs Rd TOWN W. Friendship  
SUBDIVISION QUARTERFIELD SECTION 27 LOT 27

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		check if water bearing
	FROM	TO	
Sand	0	35	
Gray Granite	35	180	✓

GROUTING RECORD  
WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N  
TYPE OF GROUTING MATERIAL (Circle one)  
CEMENT CM BENTONITE CLAY BC  
NO. OF BAGS 13 NO. OF POUNDS 1222  
GALLONS OF WATER 78  
DEPTH OF GROUT SEAL (to nearest foot)  
from 0 ft. to 35 ft.  
(enter 0 if from surface)

CASING RECORD  
casing types insert appropriate code below  
MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 40  
STEEL CONCRETE  
PLASTIC OTHER

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

SCREEN RECORD  
screen type or open hole  
insert appropriate code below  
STEEL BRASS BRONZE OPEN HOLE  
PLASTIC OTHER

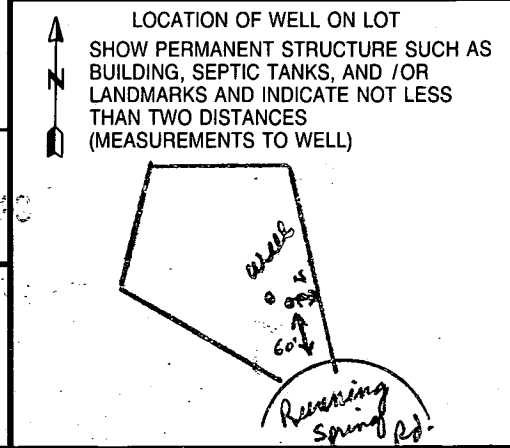
DEPTH (nearest ft.)  
1 HO 2 37 3 180  
E 8 9 11 15 17 21  
A 23 24 26 30 32 36  
C 3  
S 38 39 41 45 47 51  
R  
E  
E  
N  
SLOT SIZE 1 2 3  
DIAMETER OF SCREEN (NEAREST INCH)  
56 60  
from to

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  
70 72 74 75 76  
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST  
HOURS PUMPED (nearest hour) 3  
PUMPING RATE (gal. per min.) 20  
METHOD USED TO MEASURE PUMPING RATE Bucket  
WATER LEVEL (distance from land surface)  
BEFORE PUMPING 43 ft.  
WHEN PUMPING 47 ft.  
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 (CIRCLE) (YES or NO) 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 3 (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. MSD 24  
DRILLERS SIGNATURE Dale Thompson  
LIC. NO. MSD 27  
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

