

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50612

A 47226

DISTRICT 3rd

DATE 4-5-95

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXX~~ 313-2640

DATE SYSTEM APPROVED *Am*

INSPECTOR \_\_\_\_\_

INDEXED

03-318958

WTC

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 1820 Gillis Falls Road, Woodbine, Maryland 21797 PHONE 410-489-4457

SUBDIVISION West Friendship Estates LOT 35 ROAD 3131 River Valley Chase

PROPERTY OWNER Dorsey Builders, inc.

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES - Trench to be 3 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 120 feet off the front lot line (287.70') and 100 feet off the left lot line (252.92') when facing the lot from River Valley Chase. 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 1/17/95 DKS

PLANS APPROVED BY Amy McMillen DATE 01/12/95

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

HD-260(6-90)

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

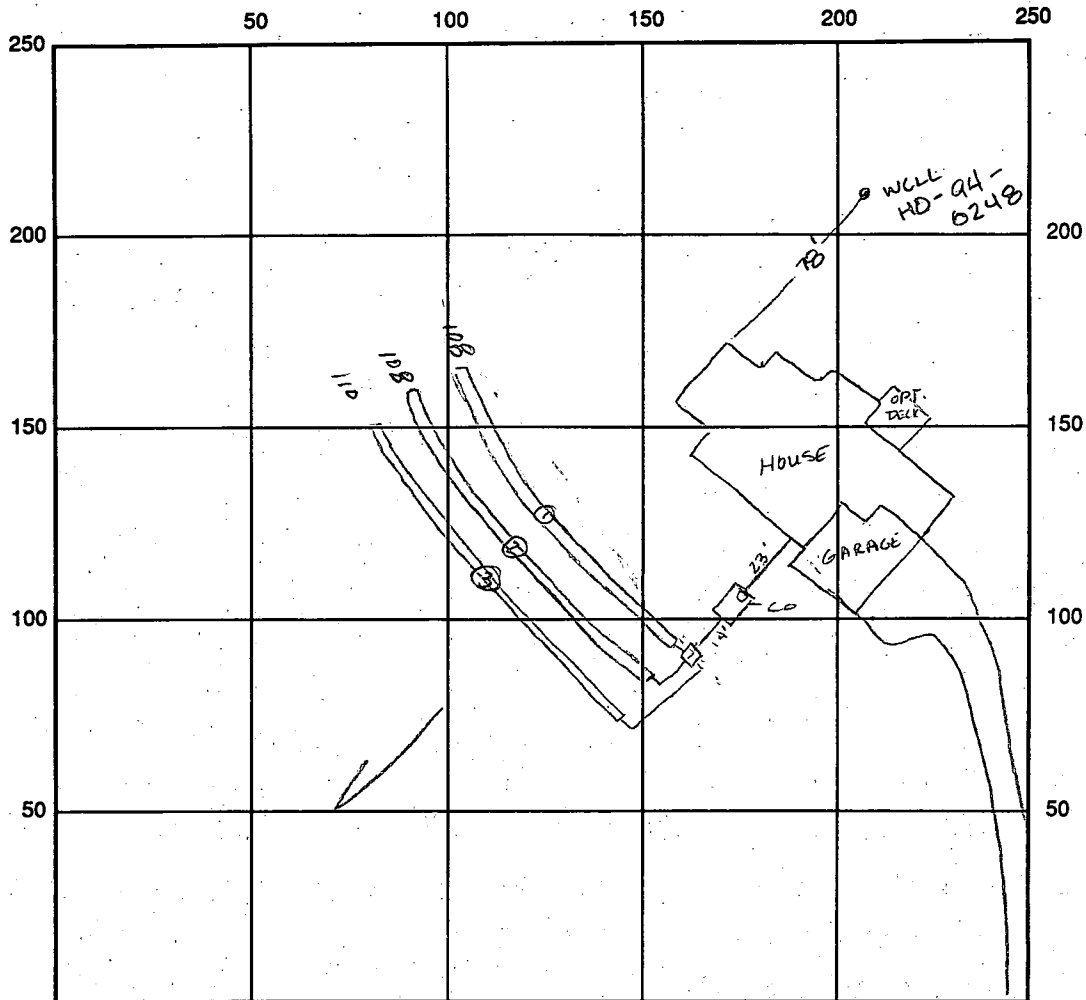
100% PERMIT SIGNED

AND RETURNED 9-10-97

Serial # B010 7843

*2-in garage*

A 47226



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE RIVER VALLEY CHASE

SEPTIC TANK LEVEL 1250 gal CLEANOUTS c/o OK

DISTRIBUTION BOX LEVEL ok baffle is in

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 3' FT. INLET DEPTH 4.5 FT.

EFFECTIVE GRAVEL DEPTH 2-2.5 FT. TOTAL LENGTH  $\begin{matrix} 2 \times 108 \\ 2 \times 108 \\ 3 \times 110 \end{matrix}$  = 326 linear ft total

NUMBER OF TRENCHES 3 ONE-SIDEWALL/BOTTOM AREA 978 SQ. FT.  $\begin{matrix} 326 \\ 3 \\ \hline 978 \end{matrix}$

DRYWALL INSIDE DIAMETER        FT. EFFECTIVE DEPTH BELOW INLET        FT.

ABSORBENT AREA        SQ. FT.

REMARKS: 4-5-95 OK to cover all work final Am

WPT Completed 3-30-95 Am

DATE SYSTEM APPROVED 4-5-95 INSPECTOR Amy M. Mullen

# APPLICATION

PERCOLATION TESTING

A 47226

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 DORSEY Builders Inc

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

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION West Friendship Estates LOT NO. 124, Sec #3

ROAD AND DESCRIPTION W. Ivory Rd #32

(3131 RIVER VALLEY CHASE)

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ 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.

(SIGNATURE OF APPLICANT)

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

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

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

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

BLDG. PERMIT SIGNED  
AND RETURNED 1/12/95

Serial #57828  
SFD - 4 Boms

## THIS IS NOT A PERMIT

Lot 124

① ④  
SOIL PROFILE

5 1/2 - 6 1/2  
orig brn  
sa cl lm  
15% frags  
shaley  
shelf on  
one side  
25-30%  
other  
parts OK  
20%  
frags  
brn sa lm

11-12

②

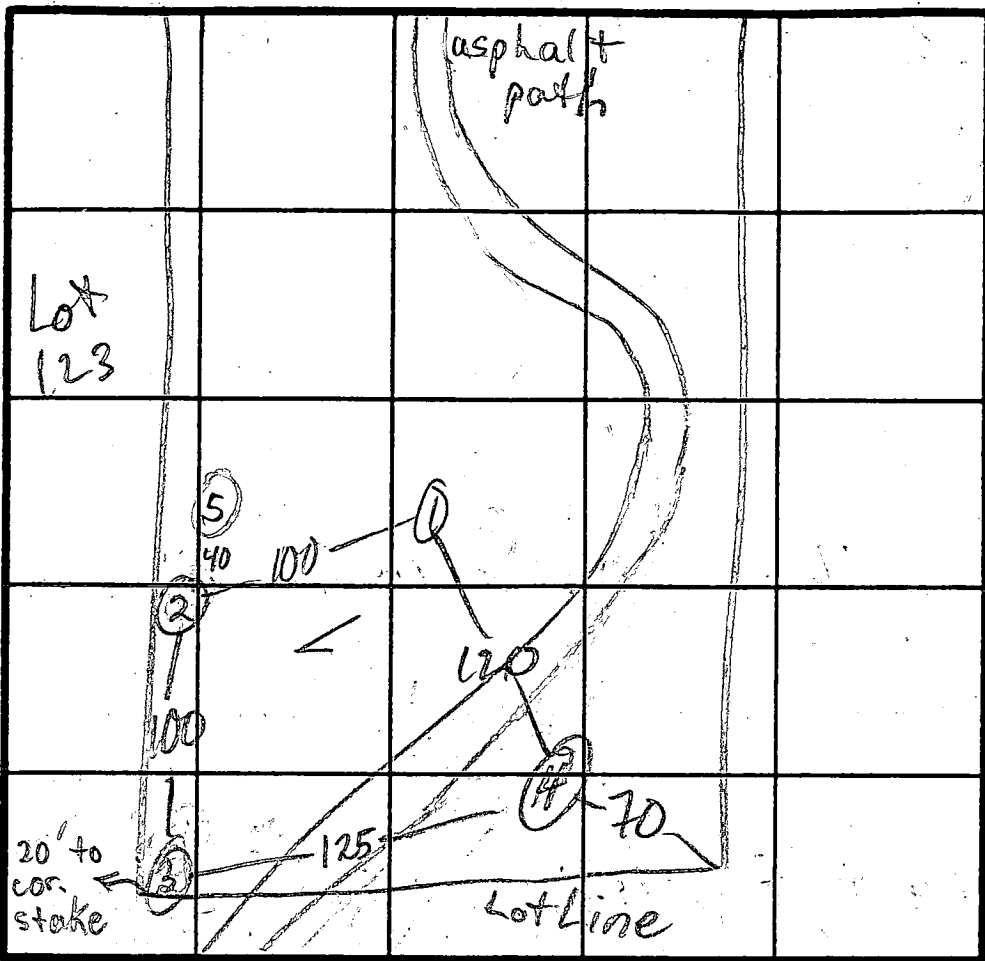
6 1/2  
orig brn  
sa cl lm  
15-20%  
frags  
tan  
sa lm  
15%  
saprolite  
frags

10

③

6  
orig red  
cl and  
cl lm  
brn red  
sa si  
laam  
95%  
leached  
frags

12



ROAD A

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/3/91	1 V	12	see	profile			
	2 S	7 1/2	2:11:30	2:16:30	2:16:30	2:26	10
	2 V	10	see	profile			
	3 S	7	2:18:30	2:33	2:33	2:49	16
	3 V	12	see	profile			
	4 S	6 1/2	3:09	3:13	3:13	3:19	6
	4 M	9 1/2	3:08:30	3:19	3:19	3:40	21 EST
	4 V	11	sim to ①				
	5 V	6	REFUSAL		FAIL		

REMARKS

TYPE OF SOIL

TESTED BY

ALSO PRESENT

EMERGENCY/TEMP NO. IF ANY

<b>B 1</b> <span style="font-size: 24pt; font-weight: bold;">5319</span>		SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please print or type		STATE PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">H0-94-0248</div> <small>70 fill in this form completely 79</small>
<div style="display: flex; justify-content: space-between;"><div style="width:48%;"><p><b>Date Received (APA)</b> <div style="border: 1px solid black; padding: 2px;">102899</div> <b>OWNER INFORMATION</b> <div style="border: 1px solid black; padding: 2px;">DORSEY BUILDERS INC</div><div style="display: flex; justify-content: space-between;"><span>15 Last Name</span><span>Owner</span><span>First Name</span><span>34</span></div><div style="border: 1px solid black; padding: 2px;">130900LD FREDERICK RD</div><div style="display: flex; justify-content: space-between;"><span>36</span><span>Street or RFD</span><span>55</span></div><div style="border: 1px solid black; padding: 2px;">SYKEVILLE MD 21784</div><div style="display: flex; justify-content: space-between;"><span>57</span><span>Town</span><span>70 State 72</span><span>Zip</span><span>76</span></div></p></div><div style="width:48%;"><p><b>DRILLER INFORMATION</b> MSD/MGD/MWD <div style="border: 1px solid black; padding: 2px;">Joseph L. Mayne</div> <div style="border: 1px solid black; padding: 2px;">24</div><div style="display: flex; justify-content: space-between;"><span>Driller's Name</span><span>77 License No. 80</span></div><div style="border: 1px solid black; padding: 2px;">Joseph L. Mayne Well Drilling</div><div style="border: 1px solid black; padding: 2px;">5512 Ridge Rd. Mt. Airy 21771</div><div style="display: flex; justify-content: space-between;"><span>Firm Name</span><span>Date</span></div><div style="border: 1px solid black; padding: 2px;">Joseph L. Mayne</div> <div style="border: 1px solid black; padding: 2px;">10/28/94</div></p></div></div>					
<b>B 2</b>		<b>WELL INFORMATION</b>			
		APPROX. PUMPING RATE (GAL. PER MIN.) <div style="border: 1px solid black; padding: 2px;">5</div>			
		AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <div style="border: 1px solid black; padding: 2px;">500</div>			
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b>					
<div style="display: flex; flex-wrap: wrap;"><div style="width: 50%;"><input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)</div><div style="width: 50%;"><input type="checkbox"/> FARMING (LIVESTOCK WATERING &amp; AGRICULTURAL IRRIGATION)</div><div style="width: 50%;"><input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)</div><div style="width: 50%;"><input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)</div><div style="width: 50%;"><input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)</div></div>					
APPROXIMATE DEPTH OF WELL <div style="border: 1px solid black; padding: 2px;">300</div> FEET					
APPROXIMATE DIAMETER OF WELL <div style="border: 1px solid black; padding: 2px;">6</div> INCH					
<b>METHOD OF DRILLING (circle one)</b>					
<div style="display: flex; justify-content: space-between;"><div><input checked="" type="checkbox"/> BORED (or Augered)</div><div><input type="checkbox"/> JETTED</div><div><input type="checkbox"/> Jetted &amp; DRIVEN</div></div> <div style="display: flex; justify-content: space-between;"><div><input checked="" type="checkbox"/> AIR-ROTARY</div><div><input type="checkbox"/> AIR-PERCussion</div><div><input type="checkbox"/> ROTARY (Hydraulic Rotary)</div></div> <div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> CABLE</div><div><input type="checkbox"/> REVerse-ROTary</div><div><input type="checkbox"/> Drive-POINT</div></div> <div style="display: flex; justify-content: space-between;"><div>other</div><div></div><div></div></div>					
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b>					
<div style="display: flex; flex-wrap: wrap;"><div style="width: 50%;"><input type="checkbox"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL</div><div style="width: 50%;"><input type="checkbox"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</div><div style="width: 50%;"><input checked="" type="checkbox"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS</div><div style="width: 50%;"><input type="checkbox"/> D THIS WELL WILL DEEPEMED AN EXISTING WELL</div></div> <div style="display: flex; justify-content: space-between;"><div>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)</div><div><div style="border: 1px solid black; padding: 2px;">41</div> <div style="border: 1px solid black; padding: 2px;">52</div></div></div>					
<b>Not to be filled in by driller (OEP USE ONLY)</b>					
APPROX. PERMIT NUMBER <div style="border: 1px solid black; padding: 2px;">54</div> <div style="border: 1px solid black; padding: 2px;">GAP</div> <div style="border: 1px solid black; padding: 2px;">63</div>					
FORCE <input checked="" type="checkbox"/> C <input type="checkbox"/> W <input type="checkbox"/> WRITE INITIALS IN BOX PERMIT No. <div style="border: 1px solid black; padding: 2px;">H0-94-0248</div>					
SPECIAL CONDITIONS					
NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =					

**B 3** **LOCATION OF WELL**

**1** **2** **HOWARD**

**8** COUNTY **21**

**WEST FRIENDSHIP EST.**

**23** SUBDIVISION **42**

SECTION 

44

46

 LOT 

35

**WEST FRIENDSHIP**

**52** NEAREST TOWN **71**

MILES FROM TOWN (enter 0 if in town) 

2

MI

**11** **30** **River Valley Chase**

**NEAR WHAT ROAD**

**ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)**

34

37

38

39

**DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

N

NE

E

SE

S

SW

W

NW

TOWN

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

**B 4**

**DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

N

NE

E

SE

S

SW

W

NW

TOWN

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

**HOWARD** **A# 42226**

COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S

DATE ISSUED 

11/15/94

**Charles Bryan Street**

11/15/95

43 CO SIGNATURE EXP. DATE

NORTH GRID 

529000

 EAST GRID 

0808000

50 55 57 63

**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 809 2

N 529 2

**12-7-94**

**Grout 10:30**

**Not complete**

**84' casing**

**40' open**

**15' bags used**

**Amy M. Miller**

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

N

**32**

C1 5928

SEQUENCE NO.  
(DENV USE ONLY)STATE OF MARYLAND  
WELL COMPLETION REPORT  
FILL IN THIS FORM COMPLETELY  
PLEASE PRINT OR TYPETHIS REPORT MUST BE SUBMITTED WITHIN  
45 DAYS AFTER WELL IS COMPLETED.(THIS NUMBER IS TO BE PUNCHED  
IN COLUMNS 3-6 ON ALL CARDS)COUNTY  
NUMBER 942226ST/CO USE ONLY  
DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"

8						13
---	--	--	--	--	--	----

120794

22 365 26  
(TO NEAREST FOOT)H0-94-0248  
28 29 30 31 32 33 34 35 36 37OWNER DORSEY BLDG'S INC.  
STREET OR RFD last name RIVER VALLEY CHASE first name TOWN W. FRIENDSHIP  
SUBDIVISION W. FRIENDSHIP EST SECTION 1 LOT 35

## WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS  
PENETRATED, THEIR COLOR, DEPTH,  
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use  
additional sheets if needed) FEET  
FROM TO Check  
if water  
bearing

SAND	0	80	
	80	365	

GRAY Mica Rock

## GROUTING RECORD

WELL HAS BEEN GROUTED  
(Circle Appropriate Box)yes ☒ Y no ☐ N

TYPE OF GROUTING MATERIAL

CEMENT ☒ CM BENTONITE CLAY ☐ BCNO. OF BAGS 15 NO. OF POUNDS 1410GALLONS OF WATER 90

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 42 ft.  
(enter 0 if from surface)

## CASING RECORD

casing  
types  
insert  
appropriate  
code  
below

<input checked="" type="radio"/> ST	<input type="radio"/> CO
STEEL	CONCRETE
<input type="radio"/> PL	<input type="radio"/> OT
PLASTIC	OTHER

MAIN  
CASING  
TYPENominal diameter  
top (main) casing  
(nearest inch)Total depth  
of main casing  
(nearest foot)☒ ST684OTHER CASING (if used)  
diameter inch depth (feet)  
from toscreen type  
or open hole  
insert  
appropriate  
code  
below

## SCREEN RECORD

<input checked="" type="radio"/> ST	<input type="radio"/> BR	<input type="radio"/> HO
STEEL	BRASS	OPEN
	BRONZE	HOLE
<input type="radio"/> PL	<input type="radio"/> OT	
PLASTIC	OTHER	

EACH SCREEN	1	2	DEPTH (nearest ft.)									
	<u>H0</u>	<u>82</u>	<u>365</u>									
	23	24	26	30	32	36						
	38	39	41	45	47	51						
SLOT SIZE 1 2 3												
DIAMETER OF SCREEN (NEAREST INCH)												
from to												

GRAVEL PACK ☐  
IF WELL DRILLED WAS  
FLOWING WELL INSERT  
F IN BOX 68MDE USE ONLY  
(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

TELESCOPE  
CASINGLOG  
INDICATOR

OTHER DATA

C 3

## PUMPING TEST

HOURS PUMPED (nearest hour) 6PUMPING RATE (gal. per min. to nearest gal.) 107METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 38WHEN PUMPING 333

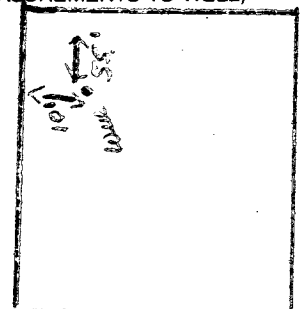
TYPE OF PUMP USED (for test)

☒ A air ☐ P piston ☐ T turbine☐ C centrifugal ☐ R rotary ☐ O other (describe below)☐ J jet ☒ S submersible

## PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES ☒ NOIF DRILLER INSTALLS PUMP, THIS SECTION  
MUST BE COMPLETED FOR ALL WELLS  
EXCEPT HOME USE  
TYPE OF PUMP INSTALLED ☐PLACE (A,C,J,P,R,S,T,O)  
IN BOX - SEE ABOVE: ☐CAPACITY:  
GALLONS PER MINUTE (to nearest gallon) ☐PUMP HORSE POWER ☐PUMP COLUMN LENGTH (nearest ft.) ☐CASING HEIGHT (circle appropriate box  
and enter casing height)☒ above ☐ below LAND SURFACE 2 (nearest foot)

## LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS  
BUILDING, SEPTIC TANKS, AND/OR  
LANDMARKS AND INDICATE NOT LESS  
THAN TWO DISTANCES  
(MEASUREMENTS TO WELL)IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY  
WHERE SATURATED FRACTURES WERE OBSERVED.

WELL HYDROFRACTURED

yes ☒ Yno ☐ N

## CIRCLE APPROPRIATE LETTER

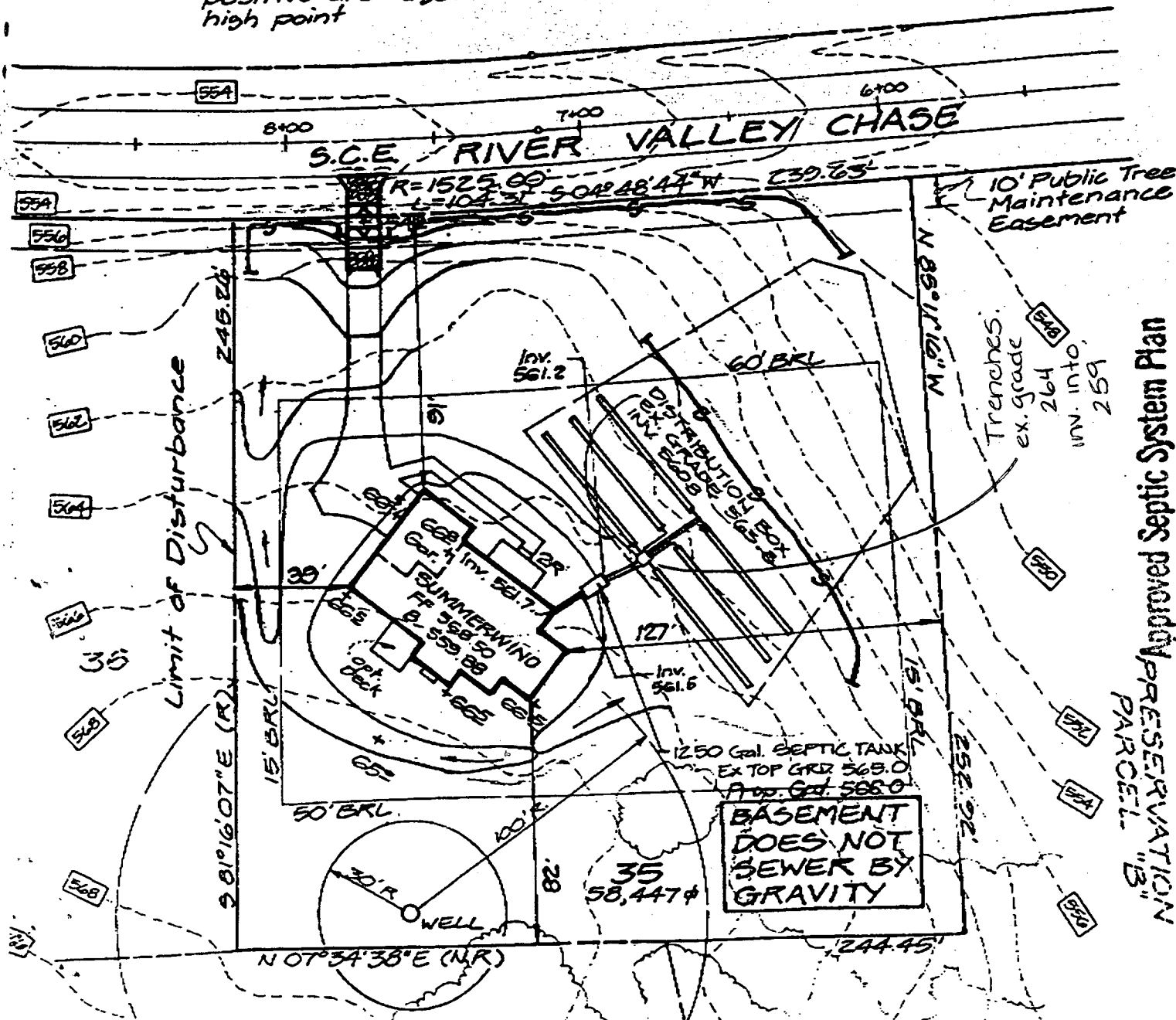
A A WELL WAS ABANDONED AND SEALED  
WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION  
WELLI 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 PRE-  
SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF  
MY KNOWLEDGE.DRILLERS IDENT. NO. 24DRILLERS SIGNATURE  
(MUST MATCH SIGNATURE ON APPLICATION)SITE SUPERVISOR (sign. of driller or journeyman  
responsible for sitework if different from permittee)

COUNTY

No Culvert Required  
Dip driveway to provide  
positive drainage from  
high point



NOT A RESERVATION  
APPROVED SEPTIC SYSTEM PLAN  
PARCEL 13

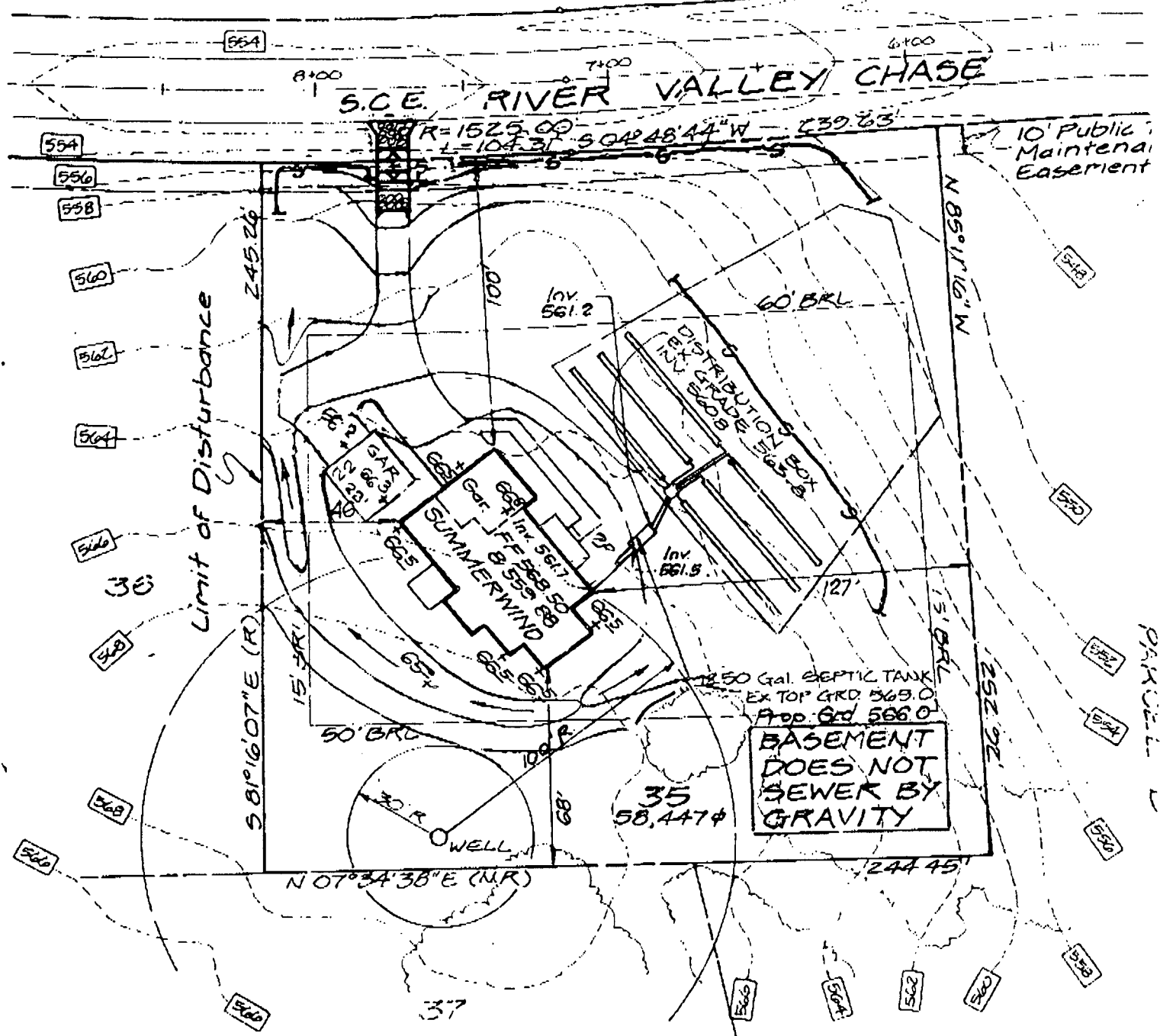
Howard County Health Department

NOTE: Length of  
trenches to  
be determined  
at time of  
septic permit  
issuance.

Amy M. Miller 1-18-95  
Signature Date

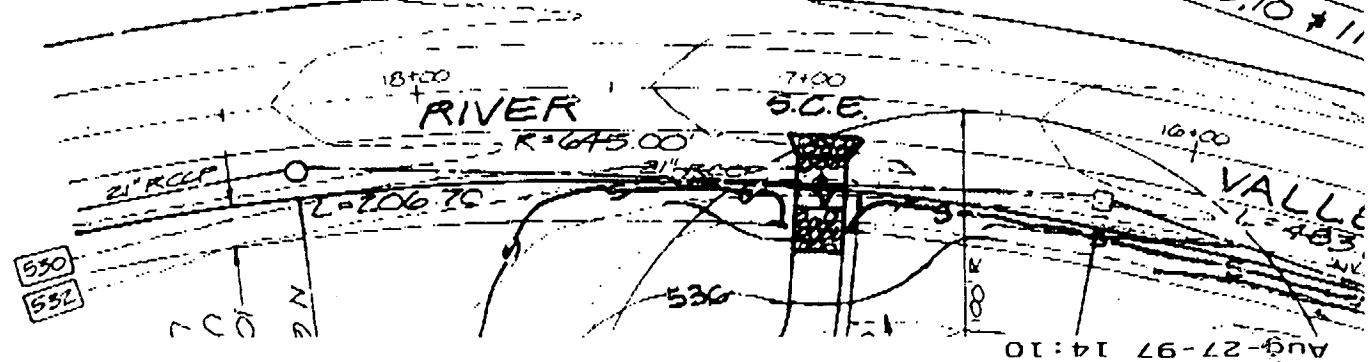
25' Private Easement  
for the Kittleman Property

high point



PROPOSED GARAGE  
OK  
MR 9/10/97  
BOC107843

EXISTING  
PAVEMENT  
EARTH  
STABLE BERM  
(road)



Aug-27-97 14:10