

1 PM
11/19/93
1/20/93 ASAP

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-320298

P 48854

A 48202

DISTRICT 4th

DATE 01/07/93

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

313-2640

DATE SYSTEM APPROVED 1/20/93

INSPECTOR M. Rifkin

INDEXED

Alphine Landscape Company/ Paul Anderson IS PERMITTED TO INSTALL ALTER

ADDRESS 3637 Ligon Road, Ellicott City, Maryland 21043 PHONE 465-4333

SUBDIVISION Justice/Hitchings Property LOT ROAD 165 & 5 Blooms Lane

PROPERTY OWNER Ruby Justice and Faith Hitchings PHONE: 489-5461

ADDRESS 16525 Blooms Lane Mt. Airy, Maryland 21771

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

300 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 3 feet wide. Inlet 2 1/2 feet below original grade. Bottom maximum depth 4 feet below original grade. Effective area begins at 2 1/2 feet below original grade. 1 1/2 feet of stone below distribution pipe.

LOCATION - Start the first trench at the highest perc hole (#1), 25 feet from the fence and approximately 115 feet from the existing farm house. Run trenches on contour away from the existing farm house.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 1/18/93 R J

PLANS APPROVED BY Mark Rifkin/Ronald J. Pinkley DATE 11/23/92

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

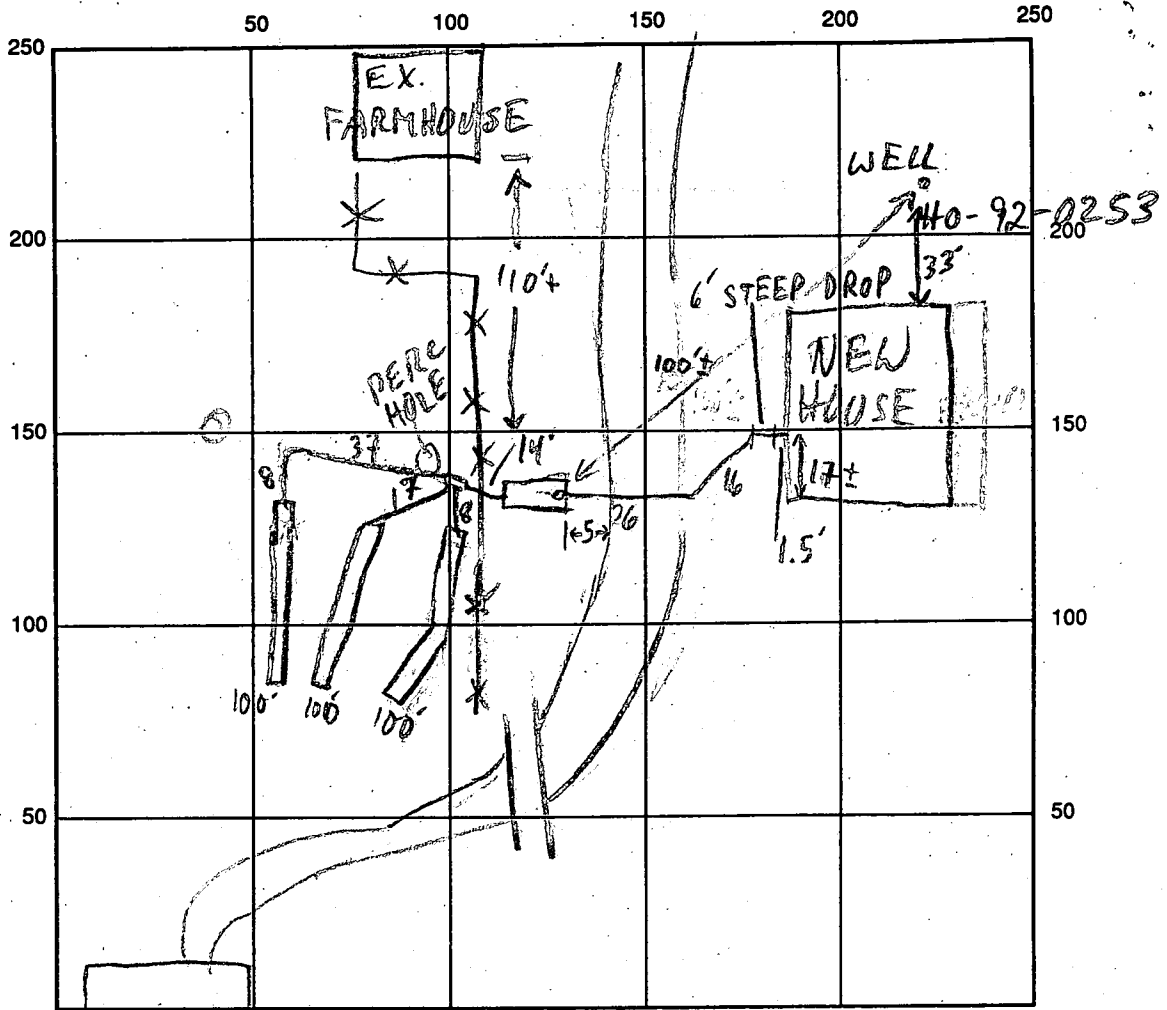
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

BLDG. PERMIT SIGNED AND RETURNED 1/24/93 Serial # 97728 - deck

A 48202



BLOOMSLA

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 GAL - OK CLEANOUTS OK
 DISTRIBUTION BOX LEVEL OK - BAFFLE IN
 DRAIN FIELD/TITLE DEPTH 4 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 1/2 FT.
 EFFECTIVE GRAVEL DEPTH 1 1/2 FT. TOTAL LENGTH 3 @ 100 FT.
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 3 @ 300 SQ. FT.
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.
 TOTAL ABSORBENT AREA 900 SQ. FT.

REMARKS: 1/19/93 OK TO CONTINUE - NEED D.B. MR
1/20/93 OK TO COVER; TRENCHES NOT EFFICIENTLY
LAI D OUT FOR FUTURE REPAIRS, BUT ACCEPTABLE MR

DATE SYSTEM APPROVED 1/20/93 INSPECTOR M. Rifkin

APPLICATION

6/24/92
10:00 am
Tentative

PERCOLATION TESTING

A 48202
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 313-2640

DISTRICT 4
DATE 5/26/92

*5-26-92 Tenant house
for farm. 10 to 12 feet above
stream elev. About 200 ft to
farm house. Agent requests
field inspection to determine if
repair is needed on 100+ yr old farmhouse. JEN*

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 Ruby Justice and Faith Hitchings

ADDRESS 16525 Blooms Lane Mt. Airy, Md. PHONE 489- 5461

PROSPECTIVE BUYER none tenant house Paul Anderson

Agent ADDRESS 3637 Ligon Rd EC 21042 PHONE 465-4333.

PROPERTY LOCATION:

SUBDIVISION 16525 Blooms Lane LOT NO. _____

ROAD AND DESCRIPTION 16525 Blooms Lane off Waterville, Rd.

TAX MAP liber 165 2 PARCEL # 401 25

SIZE OF LOT Farm ~~4.910~~ Acres TYPE BLDG Tenant house
52+ - Acres single family
(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. Paul D. Anderson Agent
(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 12/18/92
Serial # 46304 - SFD -
3 Bedroom

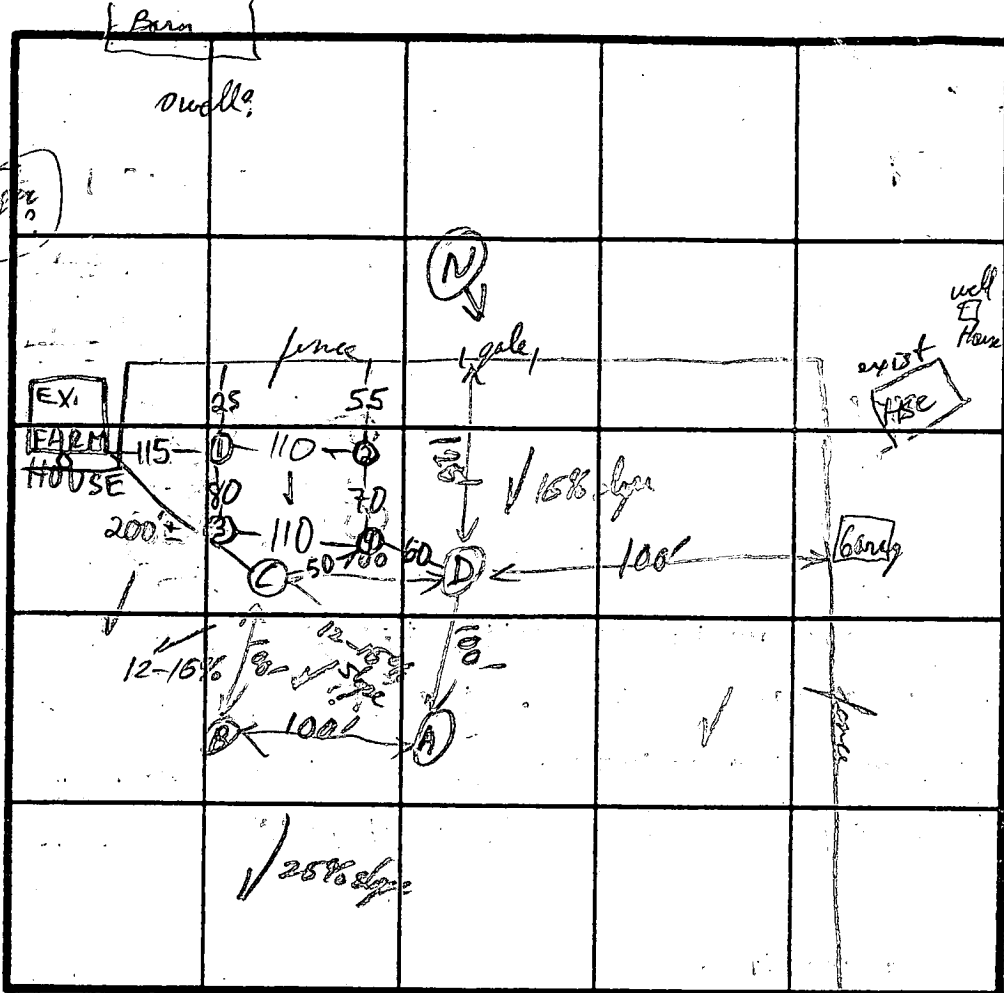
THIS IS NOT A PERMIT

HD-216

Test Hole A

SOIL PROFILE

0	Sft Brm Cherty loam
6"	Orange cherty loam 35% chert small flags
1 1/2 - 3'	50-80% mica schist to chlorite flashes in red loam (ch)
5'	80-90% vertical bed flags
13'	



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Veins of Rock vary
into packets close to 2ft
along side to soil packet
10ft deep - but
generally all 4 Test Holes
show a pattern of
Near vertically
oriented fractured
rocks (flags less than
1" thick) at 70-95%
bed nearly always
within 4 1/2 to 5ft
of surface of ground
plus cherty
silt (20-45% chert)
above.

Suitability of site
for ultra shallow
pressure boring
or Sand Pile and
Septic Systems only
Note of Holes B+C

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-12-92	A	@ 2'	12:06:47	12:08:54	12:11:00	12:14:08	3 min
		@ 3 1/2'	12:05:39	12:08:44	→	12:14:20	5 1/2 min
		@ 5' V 13'	Full bed & drained in 15 seconds				
	B	@ 2'	12:20:25	12:37:42	12:43:50	12:53:22	9 1/2 min
		@ 3 1/2'	12:27:30	12:47:30	12:47:00	1:21:53	35 min
		@ 5' V 13'	only 6" thick & only 3' from 90% best bed floor		12:29:20	12:33:50	12:34:00
	D	@ 3'	1:02:00	1:16:50	1:16:50	1:28:19	22 min
		@ 4'	1:01:28	1:08:34	1:08:34	1:46:50	38 min
		@ 5 1/2' V 13' net	1:16:50	→	→	1:19:??	1-2 min?
	C	13'	Visual only see comments & description (no thick soil seen opposite rock sec @ 4 1/2' (8 ft apart))				

on Hole D South Face is only 50% Rock & Soil / North Face is 80% Stone

REMARKS

Red clay loam layer (type 2-2ft)
TYPE OF SOIL Heavy cherty loam M1D3

TESTED BY

R. P. ...

ALSO PRESENT

owner

APPLICATION

10:00 am
Tenant house

PERCOLATION TESTING

A 48202
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 313-2640

5-26-72 Tenant house
for farm, 10 to 12 feet above
stream elev. About 200 ft to
farm house. Agent requests
field inspection to determine if
repair is needed on 100+ yr old farmhouse. JEN

DISTRICT 4
DATE 5/26/92

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 Ruby Justice and Faith Hitchings

ADDRESS 16525 Blooms Lane Mt. Airy, Md. PHONE 489-5461

PROSPECTIVE BUYER none tenant house Paul Anderson

Agent
ADDRESS 3637 Ligon Rd EC 21042 PHONE 465-4333

PROPERTY LOCATION:

NEW TENANT HOUSE

SUBDIVISION 16525 Blooms Lane LOT NO. _____

ROAD AND DESCRIPTION Blooms Lane off Waterville, Rd.

TAX MAP liber 165 2 folio 401 25 PARCEL # _____

SIZE OF LOT Farm ~~43.910~~ Acres TYPE BLDG Tenant house single family
52+ - Acres (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. Paul D. Anderson Agent
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

A 48202

COUNTY #

SOIL PROFILE

0' ⑩-⑫

brn
sil c/lm
20% frags

4-6

org brn
sil lm
w/some
yel, org,
etc.

15-30% shale
frags

8-13

SOIL PROFILE

0'

SEE
ATTACHED
drawings

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/21/92	1 S	3 1/2	10:27:30	10:39	10:39	11:05	26
	1 M	5	10:28:00	10:39	10:39	11:05	26
	1 V	13	see profile				
	2 S	3	10:32:30	10:38	10:38	11:00	22
		5	10:32:45	10:35	10:35	10:41	6
	2 V	8	HARD BOT		see profile		
	3 S	3	11:07	11:22	11:22	11:52	30
		5	11:07	11:17	11:17	11:44	27
	3 V	13	see profile				
	4 S	3 1/2	11:10	11:15	11:15	11:37	22
		5	11:09	11:13	11:13	11:20	7
	4 V	10 1/2	see profile				

REMARKS EXPAND AREA 10' UPHILL, 10' ON ONE SIDE FOR INK

TYPE OF SOIL

TESTED BY M. Rifkin

ALSO PRESENT agent, Arnold crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 21 min

TRENCH WIDTH 3

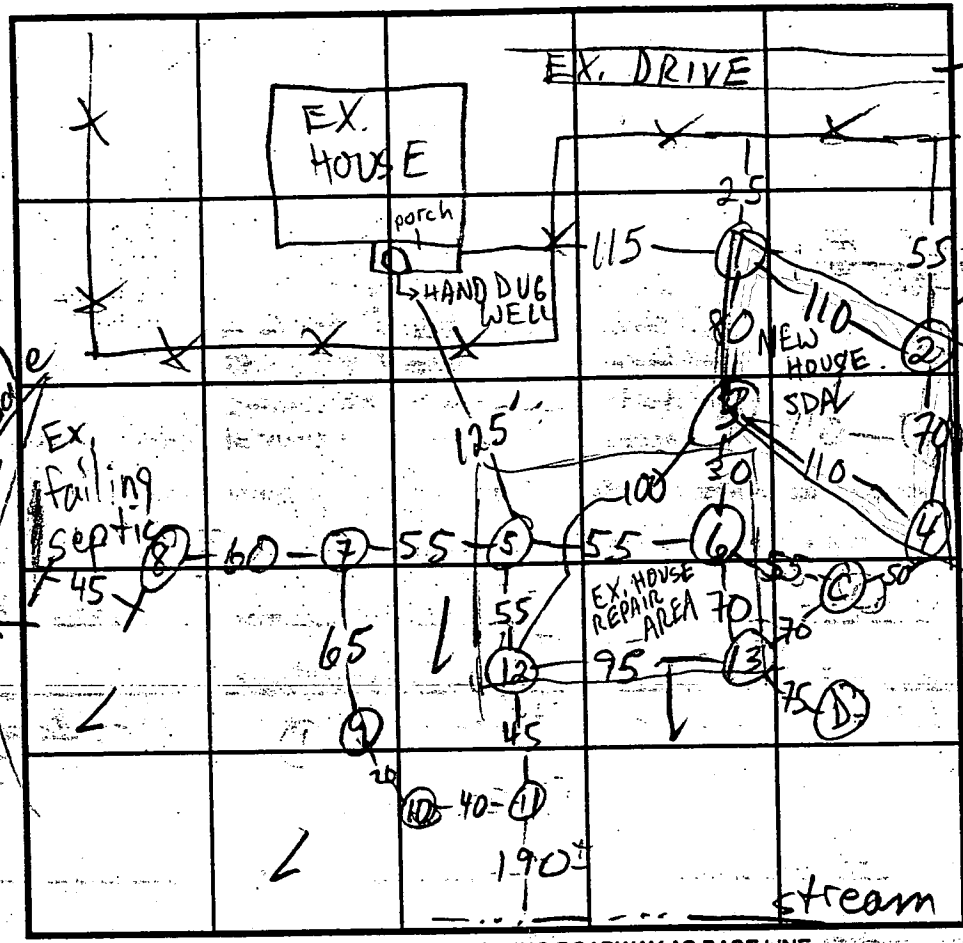
INLET DEPTH 2 1/2

MAXIMUM BOTTOM DEPTH 4

SQ. FT./BEDROOM 300

TO BLOOMSBURY LA.

COUNTY #
 SOIL PROFILE
 7-11
 org brn
 si c/lm
 w/hard
 shallow
 shale
 HARD BOT
 4-7'



SOIL PROFILE WELL?
 100'+
 ADJ. HOUSE

12+13
 dk org
 clay lm
 3
 org brn
 si sa lm
 15-30%
 shale
 frags
 10-10'4"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/21/92	5 V	11	see	profile			
	6 V	11	see	profile			
	7 V	7 ±					
	8 V	5 ±					
	9 V	4 ±					
	10 V	7 ±					
	11 V	7 ±					
8/10/92	12 S	3' 9"	2:17:15	2:18:45	2:18:45	2:21:45	3
	12 M	6	2:17:30	2:23	2:23	2:43	20
	12 V	10' 4"	see	profile			
	13 S	3' 9"	2:20	2:24	2:24	2:36	12
	13 V	10'	see	profile			

ALL FAIL
 SHALLOW
 SHALE

REMARKS USE 5 & 6 FOR REPAIR FOR EX. FARMHOUSE
 TYPE OF SOIL _____
 TESTED BY M. Ripkin ALSO PRESENT Agent, Arnold crew
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME sim to 1-4 TRENCH WIDTH 2
 INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM 300 (75' TRENCH)

C1 6680 SEQUENCE NO. (DENV USE ONLY)
 1 2 3 4 5 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 A48202

ST/CO USE ONLY
 DATE RECEIVED [] [] [] [] [] []
 DATE WELL COMPLETED 12/1/92

Depth of Well
 22 305 26
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
HO-92-0253

OWNER Anderson Paul Agent for Justice
 STREET OR RFD Rhodes La first name Paul TOWN Papier Springs
 SUBDIVISION _____ SECTION _____ LOT Tenant House

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	
<u>OVERBURDEN</u>	<u>0</u>	<u>47</u>	
<u>SLATE AT 47' 70' ✓</u>	<u>47</u>	<u>70</u>	
<u>SLATE AT 70' 15 GPM</u>			
<u>SLATE</u>	<u>70</u>	<u>305</u>	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 29 NO. OF POUNDS 2726
 GALLONS OF WATER 174
 DEPTH OF GROUT SEAL (to nearest foot)
 from [] [] [] 0 ft. to [] [] [] 60 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST CO
 STEEL CONCRETE
PL OT
 PLASTIC OTHER

MAIN CASING TYPE
 Nominal diameter top (main) casing (nearest inch) 6
 Total depth of main casing (nearest foot) 60

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

SCREEN RECORD
 screen type or open hole insert appropriate code below
ST BR HO
 STEEL BRASS OPEN HOLE
PL OT
 PLASTIC OTHER

C2

EACH SCREEN	DEPTH (nearest ft.)	
	1	2
1	<u>HO</u> <u>60</u>	<u>305</u>
2	[] [] [] [] [] []	[] [] [] [] [] []
3	[] [] [] [] [] []	[] [] [] [] [] []

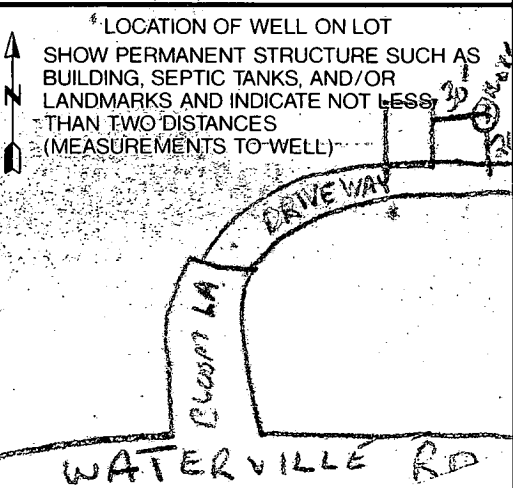
SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN [] [] [] [] (NEAREST INCH)
 from _____ to _____

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) 70 72 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
 PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min. to nearest gal.) 7 15
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 98
 WHEN PUMPING 52
 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 NO
 IF 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: 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 } 12 (nearest foot)
 49 51



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

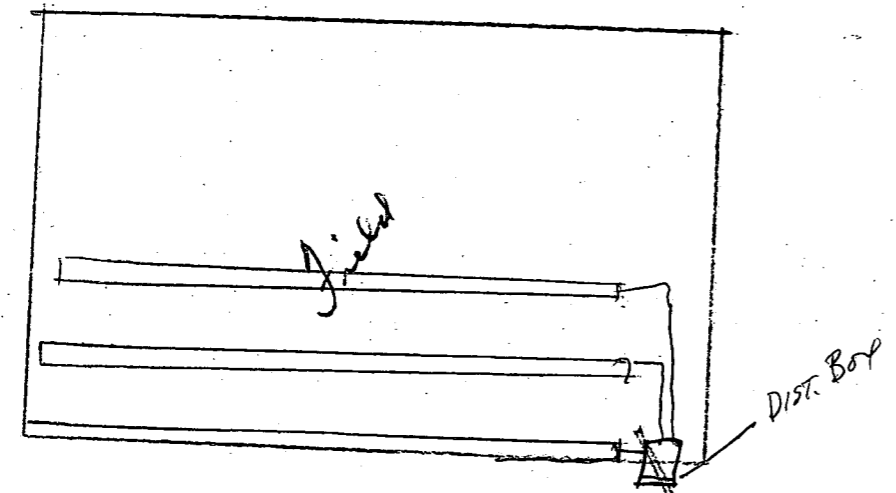
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT NO. 144
 DRILLERS SIGNATURE Jenny E. Harley
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

BP46304 elev's & location of FF

12-18-92

Paul D. Anderson



BASE	-62"
Elev Top floor	46'
Inlet	166'0"
Tank	168'0"
Dist Box	170'0"
Top Tank	166'0"

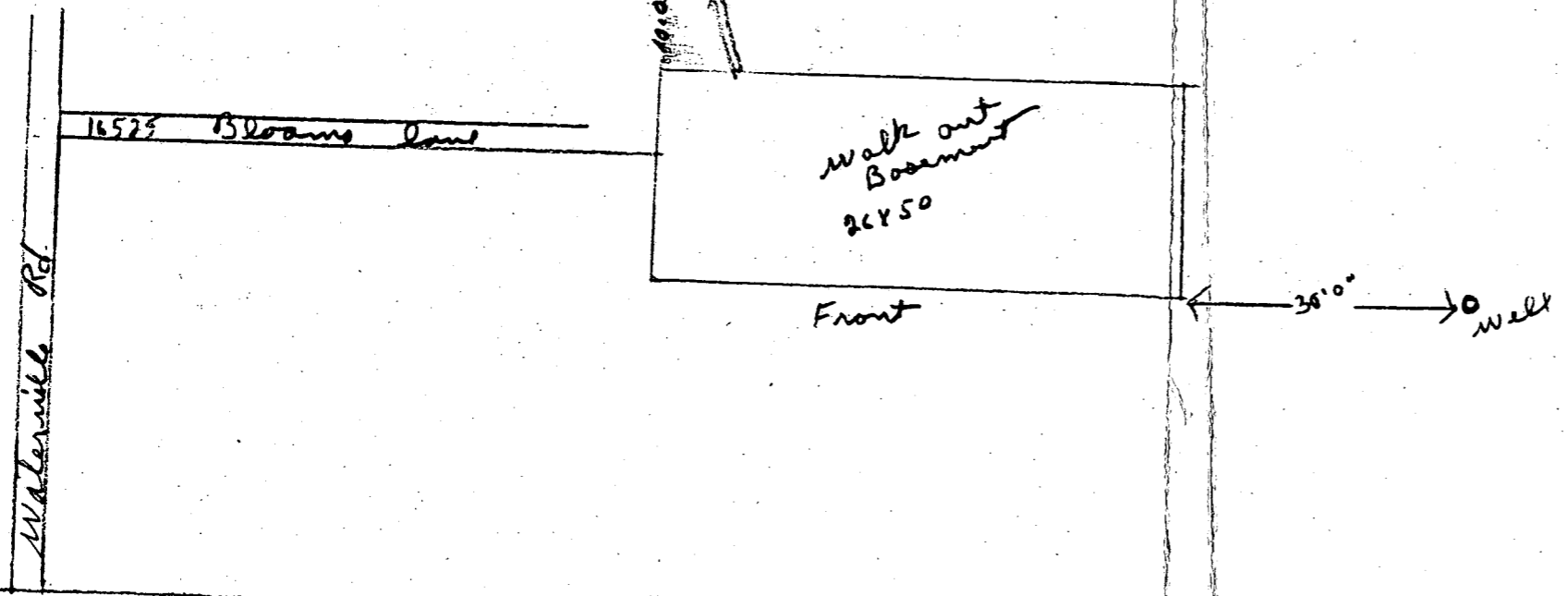
HOUSE OUT INV.	-96"	
S. TANK IN INV.	-99"	
S. TANK OUT INV.	-102"	
Grade at trench	-96"	= 0'
Trench INV.	-126"	= -2 1/2'

100 linear ft. per bedroom
3 Bedrooms 300' ft.

Healthy Dept
Site Plan

Owner
Faith Hitchings
16525 Blooms Lane

Builder
Paul D. Anderson
465-4333



BUILDING PERMIT DEPARTMENT
ISSUED AND RETURNED 12/18/92 F.