

File

A 43090

DISTRICT 5th

DATE 8/10/94

DATE SYSTEM APPROVED 5/31/94

INSPECTOR C. Lee

INDEXED

IS PERMITTED TO INSTALL X ALTER

ADDRESS _____ PHONE 988-9270

SUBDIVISION Brierly LOT 16 ROAD 13818 Russell Zepp Drive

PROPERTY OWNER ~~Carol Shap & Eric Santmyer~~ Carol Shap

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

Addition - Deck
 BLDG. PERMIT SIGNED
 AND RETURNED 11-30-95
 Serial # 62773

TRENCHES - Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from the right front lot corner, place the distribution box 225 feet down the right lot line and 95 feet off this same lot line. Run trenches on contour in both directions. **MAINTAIN 100' MINIMUM WELL SETBACK.**

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK MR 5/12/94

PLANS APPROVED BY Mark Rifkin DATE 6/17/94

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.

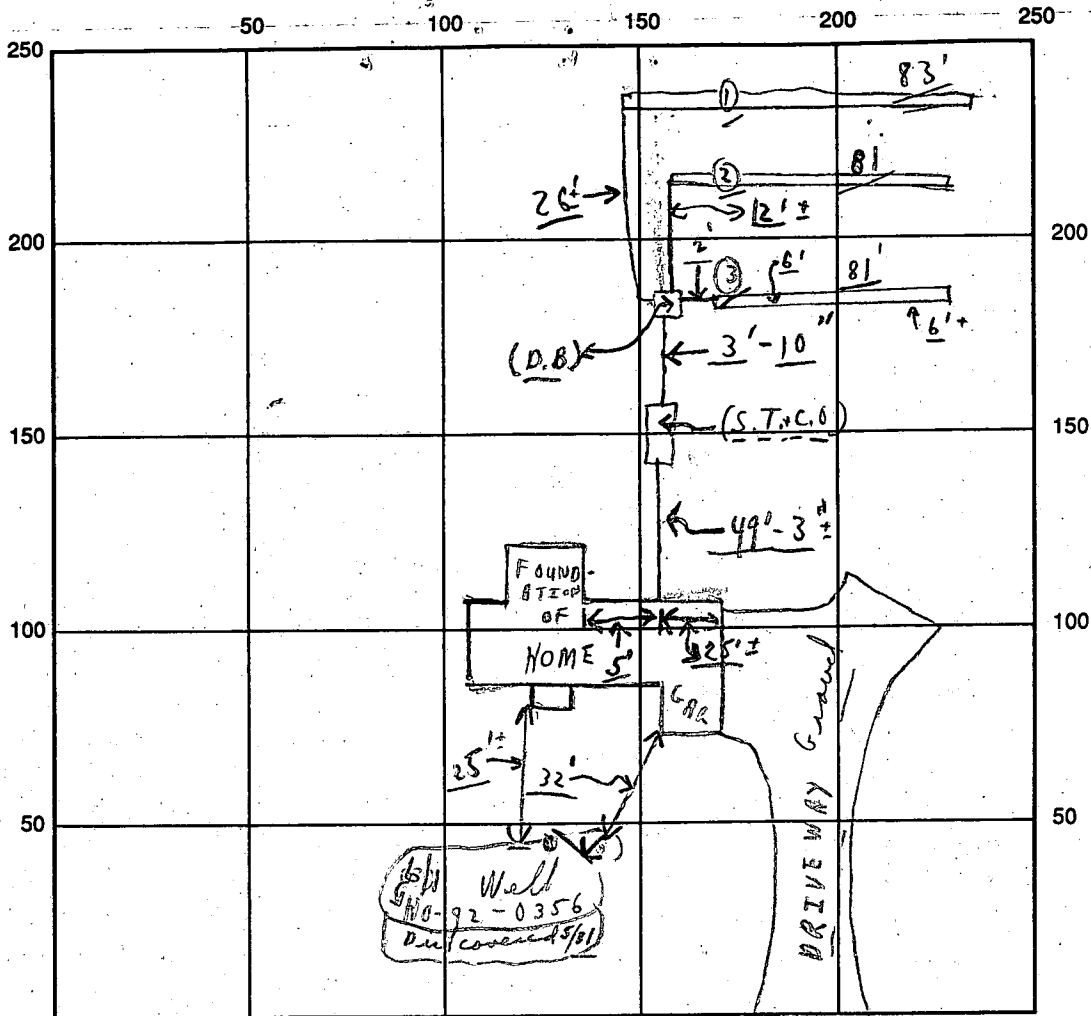
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

HD-260(6-90)

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

A 43090



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK Russell Zapp Drive S.T. OK
CLEANOUTS

DISTRIBUTION BOX LEVEL OK (Baffle's in)

DRAIN FIELD/TITLE DEPTH 6' FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2' FT. { 1 83' 2 81' 3 81' } TOTAL LENGTH 245 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL BOTTOM AREA 735 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 735 SQ. FT.

REMARKS: 5/31/94 (NOON) - Final - all done at 11 stop - CR Note:
"Material on site to finish last trench closest to
home

5/31 W.P.I. - No inspection C.B.O. 6/1 W.P.I. done CR

DATE SYSTEM APPROVED 5/31/94 INSPECTOR Charles B. Theaker

APPLICATION

PERCOLATION TESTING

A 43090

P _____

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

DISTRICT 8th

DATE 9-20-88

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 RUSSELL ZEPP Carol Shap + Eric SANTMYER

ADDRESS 13790 HIGHLAND RD PHONE 854-2797
410-531-6344

PROSPECTIVE BUYER HENRY L. BLEVINS

ADDRESS 3600 WATERSVILLE RD PHONE 795-2337
MT. AIRY, MD 21771

PROPERTY LOCATION:
SUBDIVISION ZEPP SUBDIVISION LOT NO. 19/16 on prelin

ROAD AND DESCRIPTION HIGHLAND ROAD HOWARD CO
ZIP: 21029 (13818 Russell Zepp Road)

TAX MAP 34 PARCEL # 7

SIZE OF LOT 3.05 AC ± TYPE BLDG. 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.

[Signature]
(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 5/2/94
Serial # 53475-SFD
4 Boms

THIS IS NOT A PERMIT

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	
3/1/89	6S	10	3:10	3:13	3:13	3:17	4
11	6V	13	clay to 4 1/2		10% frags		

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

APPLICATION

PERCOLATION TESTING

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

A 43090

P _____

DISTRICT 5TH

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TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER RUSSELL ZEPP

ADDRESS 13790 HIGHLAND RD PHONE 854-2797

PROSPECTIVE BUYER HENRY L. BLEVINS

ADDRESS 3600 WATERSVILLE RD PHONE 795-2337
MT. AIRY, MD 21771

PROPERTY LOCATION:
SUBDIVISION ZEPP SUBDIVISION LOT NO. 19

ROAD AND DESCRIPTION HIGHLAND ROAD HOWARD CO
ZIP: 21029

TAX MAP 34 PARCEL # 7

SIZE OF LOT 3.05 AC ± TYPE BLDG. SINGLE FAMILY
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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[Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

LOT 19 16 on prelin

A43090

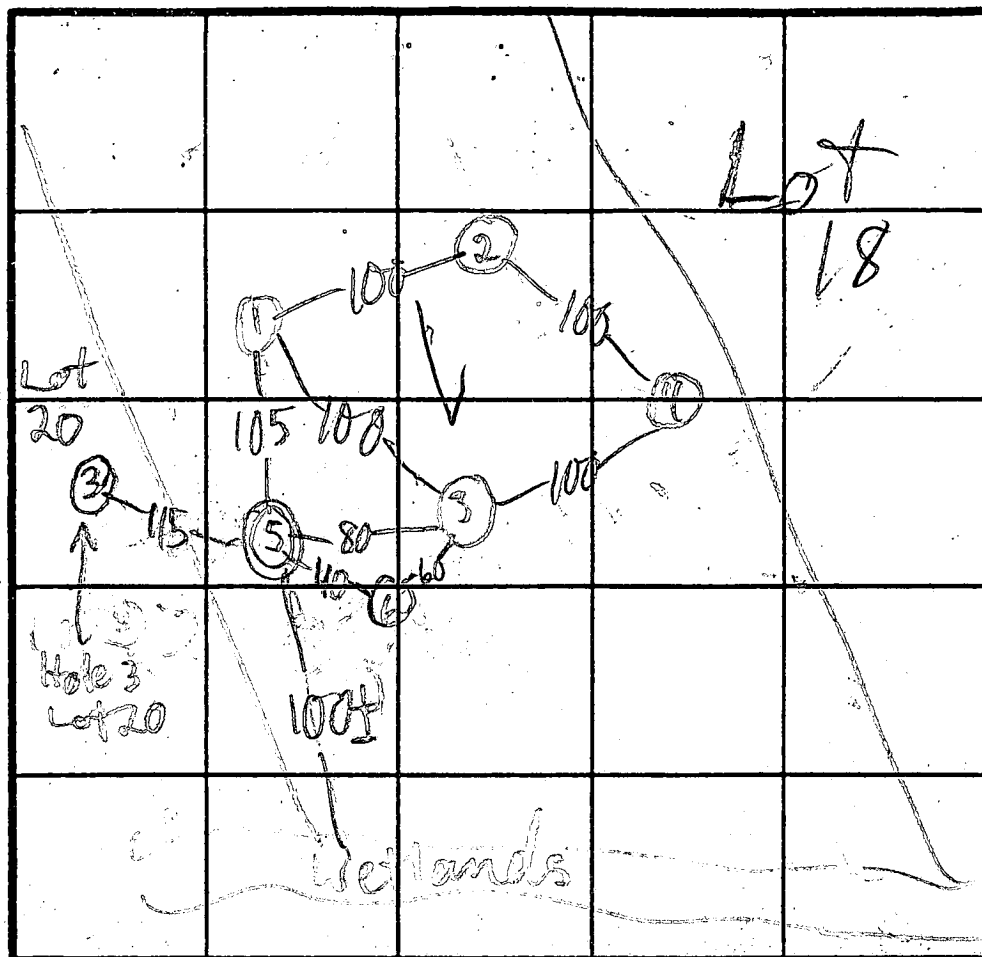
①

SOIL PROFILE

64°

topsoil
pink org
yellow
silt clay
loam
yellow
red org
sandy silt
loam
v. high
mica
45% frags

4 1/2



$\bar{x} = 6$
180° BR
Inlet 4
Bottom 6

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/9/89	1 S	5 1/2	11:31	11:33	11:33	11:36	3
	1 V	11 1/2	11:33	11:37	11:37	11:47	10
	2 S	4 1/2	11:40	11:42	11:42	11:47	5
	2 V	11 1/2	12:21	12:27	12:27	12:38	11
	3 S	5 1/2	11:50	11:51	11:51	11:53	2
	3 V	13	11:50	11:51	11:51	11:53	2
	4 S	4 1/2	11:55	11:57	11:57	12:01	4
	4 V	11 1/2	11:55	11:57	11:57	12:01	4
	5 S	5 1/2	12:47	12:48	12:48	12:49	1
	5 V	13	12:47	12:48	12:48	12:49	1

cont'd

on next sheet

REMARKS

HOLE ① ② ③ + ④ DUG PER PLAT USE ①-④ + ⑥

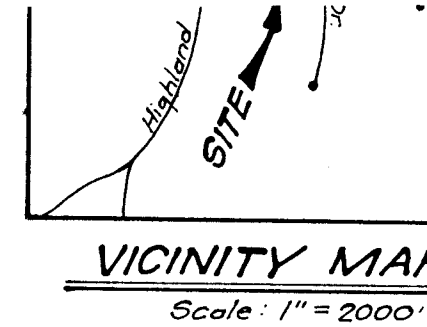
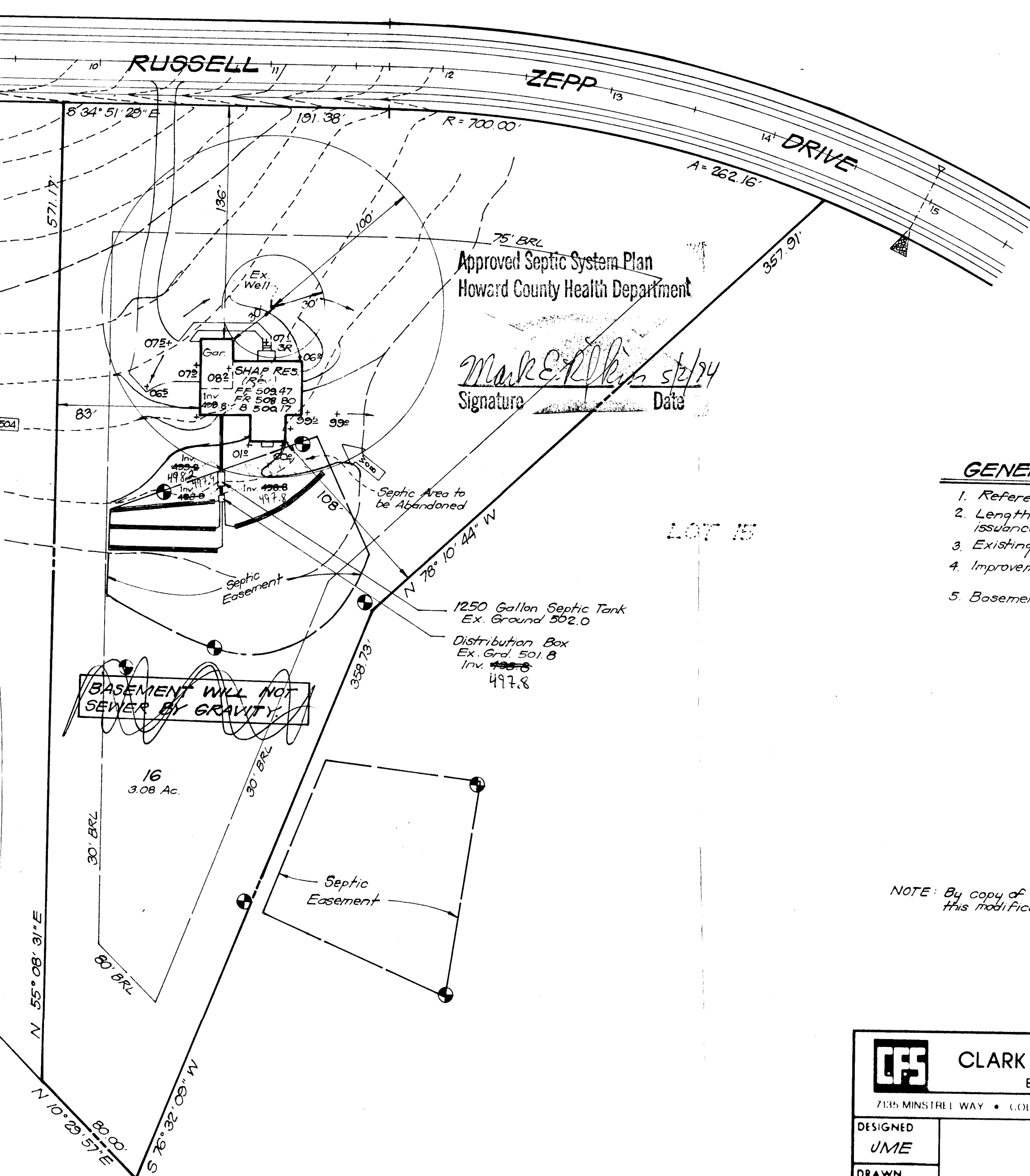
TYPE OF SOIL

M. Riskin

TESTED BY

ALSO PRESENT

D. Hopkins




LEGEND	
Contour Interval	2 Ft.
Existing Contour	500
Proposed Contour	500
Spot Elevation	+002
Direction of Drainage	→

GENERAL NOTES

1. Reference Plat No 10003.
2. Length of trenches to be determined at time of permit issuance.
3. Existing topography shown was provided by client.
4. Improvement to property: Single Family Dwelling Unit (4 Bedrooms)
5. Basement will not sewer by gravity.

NOTE: By copy of this plan, the Health Department accepts this modification to the sewage disposal easement.



CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 881-7500 BAL TO • (301) 621-8100

DESIGNED UME	SITE DEVELOPMENT PLAN LOT 16 BRIERLY
DRAWN	

Approved Septic System Plan
Howard County Health Department
Mark E. R. R. R. 5/2/74
Signature Date

**BASEMENT WILL NOT
SEWER BY GRAVITY.**

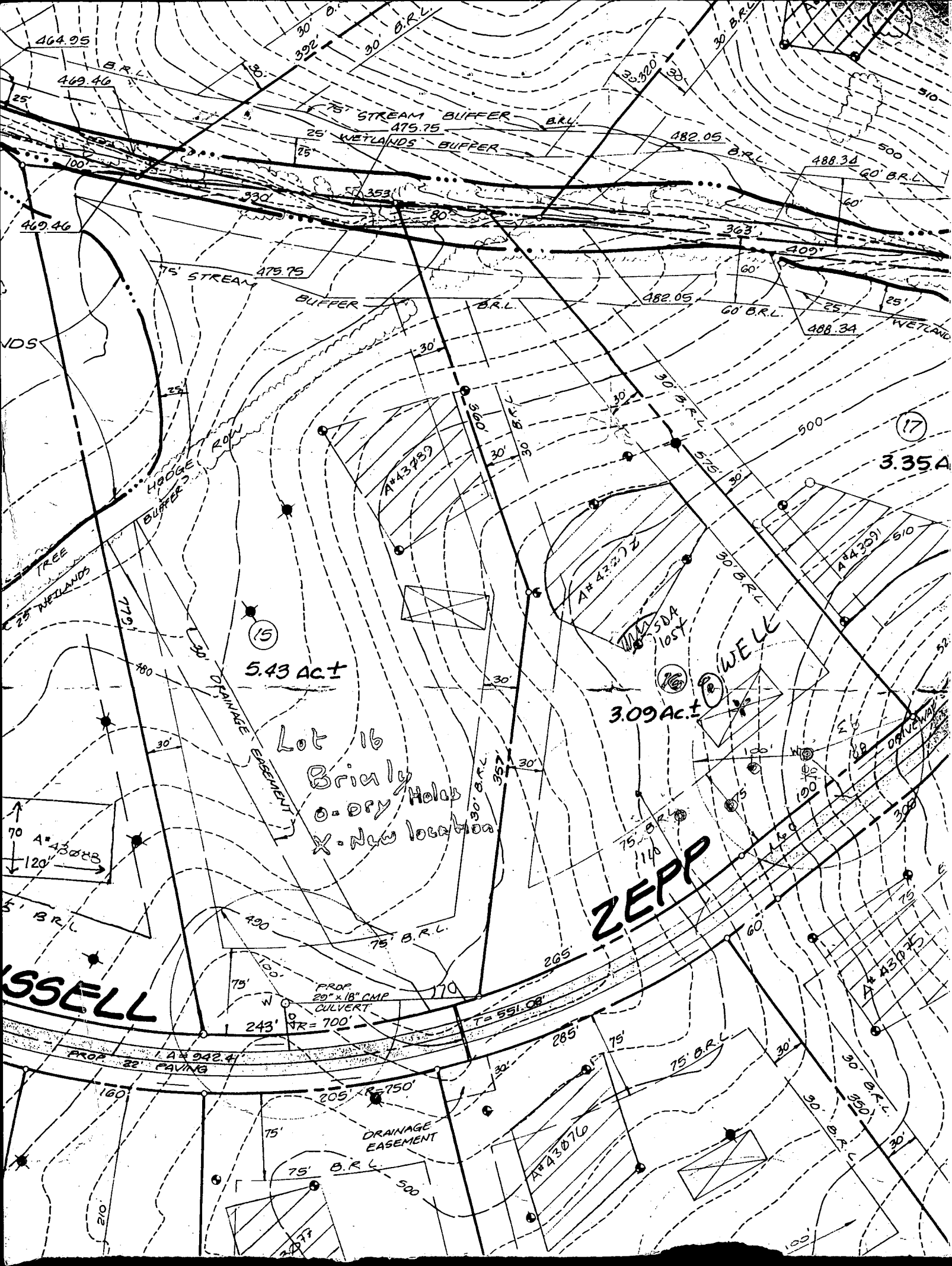
16
3.08 Ac.

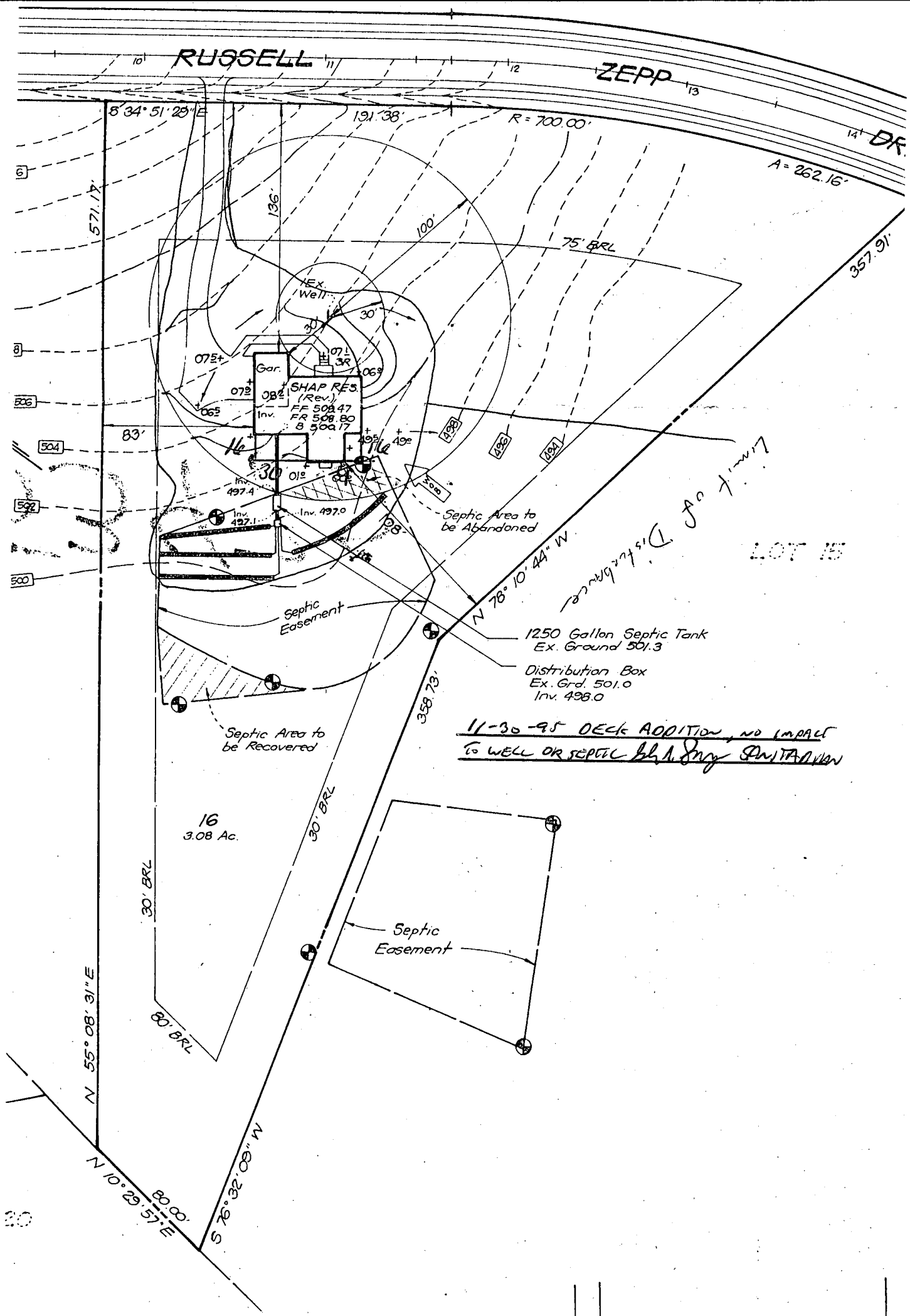
1250 Gallon Septic Tank
Ex. Ground 502.0
Distribution Box
Ex. Grd. 501.8
Inv. 497.8

Septic
Easement

Septic
Easement

Septic Area to
be Abandoned





C1 6825 SEQUENCE NO. (DENV USE ONLY)
1 2 3 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 A-43090

ST/CO USE ONLY
DATE Received
DATE WELL COMPLETED
032493

Depth of Well
22 300 26
(TO NEAREST FOOT)

REC'D 4/2/93
PERMIT NO.
FROM "PERMIT TO DRILL WELL"
40-92-0095

OWNER Clarksville Associates
last name first name
STREET OR RFD Russell Zapp Dr TOWN Clarksville
SUBDIVISION BRIERLY SECTION 11 LOT 16

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	
	FROM	TO
Overburden	0	15
Brown Shale	15	45
Gray Rock	45	300
(backfilled)		
Well #1 300' Dry (backfilled)		
Well #2 300' Dry (backfilled)		
Well #3 300' Dry (backfilled)		

GROUTING RECORD
WELL HAS BEEN GROUTED yes no
(Circle Appropriate Box) Y N
44 44
TYPE OF GROUTING MATERIAL
CEMENT CM BENTONITE CLAY BC
45 46 45 46
NO. OF BAGS N/A NO. OF POUNDS
GALLONS OF WATER
DEPTH OF GROUT SEAL (to nearest foot)
from 48 52 ft. to 54 58 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)
Total depth of main casing (nearest foot)
60 61 63 64 66 70

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

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

C2
DEPTH (nearest ft.)
EACH SCREEN
1 8 9 11 15 17 21
2 23 24 26 30 32 36
3 38 39 41 45 47 51
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

OEP 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

C3
PUMPING TEST
HOURS PUMPED (nearest hour) 8 9
PUMPING RATE (gal. per min. to nearest gal.) 11 15
METHOD USED TO MEASURE PUMPING RATE N/A
WATER LEVEL (distance from land surface)
BEFORE PUMPING 17 20
WHEN PUMPING 22 25
TYPE OF PUMP USED (for test)
A air P piston T turbine
27 27 27
C centrifugal R rotary O other (describe below)
27 27 27
J jet S submersible
27 27

PUMP INSTALLED
DRILLER WILL INSTALL PUMP YES NO
(CIRCLE) (YES or 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: N/A 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 } (nearest foot)
49 50 51

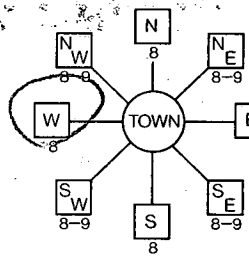
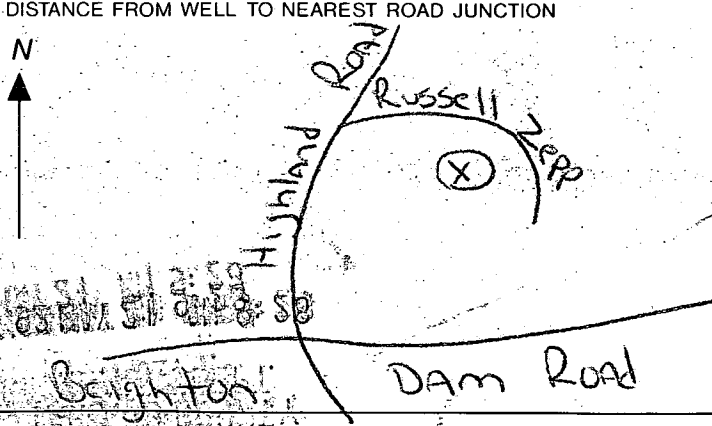
LOCATION OF WELL ON LOT
SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
N/A

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.

DRILLER'S IDENT. NO. 120
DRILLER'S SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

COUNTY

B 1 8502 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (DP USE ONLY) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HD-92-0095 <small>fill in this form completely</small>
Date Received (APA) 052192		LOCATION OF WELL R 48135 5/21/92 40.10	
OWNER INFORMATION 15 Last Name CLACKSVILLE 34 Owner First Name 13243 Westmeath Lane Street or RFD CLACKSVILLE MD 21029 Town 70 State 72 Zip 76		B 3 8 COUNTY HOWARD 21 15 CLEVELY 42 23 SUBDIVISION SECTION 16 LOT 16 44 46 48 50 CLACKSVILLE 71 52 NEAREST TOWN MILES FROM TOWN (enter 0 if in town) 2 MI 73 76 77 78	
DRILLER INFORMATION Driller's Name Sandy B. Cochran 77 License No. 80 120 Firm Name G. Edgar Harr Sosn' Corp. Address 12047 Falls Road Cockeysville 21030 Signature <i>Sandy B. Cochran</i> Date 5/18/92		B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  11 Russell Zepp Drive 30 NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH <input checked="" type="radio"/> N <input type="radio"/> E <input type="radio"/> S <input type="radio"/> W WEST SOUTH 34 200 37 DISTANCE FROM ROAD ENTER FT or MI FT 38 39	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A43090 COUNTY NAME COUNTY NO. STATE SIGNATURE Mark E. Reppin INSERT S <input type="checkbox"/> DATE ISSUED 12/17/92 43 48 CO SIGNATURE EXP. DATE NORTH GRID 501000 55 EAST GRID 0807000 63 50 55 57 63	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="radio"/> F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="radio"/> P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="radio"/> T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 80X7 N 50X1 000 000	
APPROXIMATE DEPTH OF WELL 200 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
METHOD OF DRILLING (circle one) BORED (or Augered) <input checked="" type="radio"/> JETTED <input type="radio"/> Jetted & DRIVEN <input type="radio"/> 30 AIR-ROTARY <input type="radio"/> AIR-PERCUSSION <input checked="" type="radio"/> ROTARY (Hydraulic) <input type="radio"/> ROTARY <input type="radio"/> 37 CABLE <input type="radio"/> REVERSE-ROTARY <input type="radio"/> Drive-POINT <input type="radio"/> other _____		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="radio"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="radio"/> D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52	
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER _____ GAP _____ 54 63 FORCE MR WRITE INITIALS IN BOX PERMIT No. HD-92-0095 67 68 70 71 72 73 74 75 76 77 78 79		SPECIAL CONDITIONS	

B 1 05957 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 5-6 ON ALL CARDS)</small>	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print of type	STATE PERMIT NUMBER HD-92-0356 <small>fill in this form completely</small>
Date Received (APA) 032593 OWNER INFORMATION <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>15 Last Name</small> CLARKSVILLE </div> <div style="width: 45%;"> <small>Owner</small> ASSOC </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>36 Street or RFD</small> 13243 Westmeath Lane </div> <div style="width: 45%;"> <small>55</small> CLARKSVILLE MD 21029 </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>57 Town</small> CLARKSVILLE </div> <div style="width: 45%;"> <small>70 State 72 Zip 76</small> MD 21029 </div> </div>		B 3 LOCATION OF WELL <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>8 COUNTY</small> HOWARD </div> <div style="width: 45%;"> <small>21</small> CRICKET </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>23 SUBDIVISION</small> CLARKSVILLE </div> <div style="width: 45%;"> <small>42</small> CLARKSVILLE </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>SECTION</small> 44 46 </div> <div style="width: 45%;"> <small>LOT</small> 116 </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>52 NEAREST TOWN</small> CLARKSVILLE </div> <div style="width: 45%;"> <small>71</small> CLARKSVILLE </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>73</small> 2 </div> <div style="width: 45%;"> <small>76 77 78</small> MI </div> </div>	
B 2 WELL INFORMATION <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>APPROX. PUMPING RATE (GAL. PER MIN.)</small> 5 </div> <div style="width: 45%;"> <small>8 12</small> 150 </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)</small> 150 </div> <div style="width: 45%;"> <small>14 20</small> 150 </div> </div>		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <div style="display: flex; flex-direction: column;"> <div><input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)</div> <div><input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)</div> <div><input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)</div> <div><input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)</div> <div><input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)</div> </div>		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>COUNTY NAME</small> Howard </div> <div style="width: 45%;"> <small>COUNTY NO.</small> A43090 </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>STATE SIGNATURE</small> Mark E. Riffin </div> <div style="width: 45%;"> <small>DATE ISSUED</small> 5/3/94 </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>43</small> 050593 </div> <div style="width: 45%;"> <small>48 CO SIGNATURE</small> Mark E. Riffin </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>50 NORTH GRID</small> 501 000 </div> <div style="width: 45%;"> <small>55 EAST GRID</small> 0807000 </div> </div>	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>APPROXIMATE DEPTH OF WELL</small> 250 </div> <div style="width: 45%;"> <small>24 28 FEET</small> 250 </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>APPROXIMATE DIAMETER OF WELL</small> 6 </div> <div style="width: 45%;"> <small>NEAREST INCH</small> 6 </div> </div>		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER <ol style="list-style-type: none"> WRITE THE BOX NUMBER FROM THE MAP HERE <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>E</small> 8007 </div> <div style="width: 45%;"> <small>N</small> 5001 </div> </div>	
METHOD OF DRILLING (circle one) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>BORED (or Augered)</small> JETTED </div> <div style="width: 45%;"> <small>JETTED & DRIVEN</small> JETTED </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>30 AIR-ROTARY</small> AIR-PERCUSSOR </div> <div style="width: 45%;"> <small>37 ROTARY (Hydraulic Rotary)</small> ROTARY </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>CABLE</small> REVERSE-ROTARY </div> <div style="width: 45%;"> <small>DRIVE-POINT</small> DRIVE-POINT </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>other</small> </div> <div style="width: 45%;"> <small></small> </div> </div>		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <div style="display: flex; flex-direction: column;"> <div><input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL</div> <div><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</div> <div><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY</div> <div><input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)</small> 41 </div> <div style="width: 45%;"> <small>52</small> 41 </div> </div>		Not to be filled in by driller (OEP USE ONLY) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>APPROX. PERMIT NUMBER</small> GAP </div> <div style="width: 45%;"> <small>54 63</small> GAP </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>FORCES</small> MR </div> <div style="width: 45%;"> <small>PERMIT No.</small> HD-92-0356 </div> </div>	
SPECIAL CONDITIONS <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <small>67 68</small> 67 68 </div> <div style="width: 45%;"> <small>70 71 72 73 74 75 76 77 78 79</small> 70 71 72 73 74 75 76 77 78 79 </div> </div>			

C 1	7849	SEQUENCE NO. (DENV 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 43090	
ST/CO USE ONLY DATE Received		DATE WELL COMPLETED		Depth of Well		PERMIT NO. FROM "PERMIT TO DRILL WELL"	
8 13		15 20		22 26		28 37	
		051793		300		10-92-0356	
				(TO NEAREST FOOT)			

OWNER	Clarksville Associates		TOWN	Clarksville
STREET OR RFD	last name	Russell Zepp Dr	first name	
SUBDIVISION	BRIERLY		SECTION	11
			LOT	16

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 FROM TO	Check if water bearing
Overburden	0 10	
Brown Shale	10 23	
Gray Rock	23 300	X

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
yes	no
Y	N
TYPE OF GROUTING MATERIAL	
CEMENT	BENTONITE CLAY
CM	BC
NO. OF BAGS 8 NO. OF POUNDS 800	
GALLONS OF WATER 48	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0 ft. to 30 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)	Total depth of main casing (nearest foot)
PL	12	30
OTHER CASING (if used)		
diameter depth (feet)		
inch from to		

EACH CASING	SCREEN RECORD	
	screen type or open hole	
	ST BR HO	
	STEEL BRASS OPEN BRONZE HOLE PLASTIC OTHER	
C 2	DEPTH (nearest ft.)	
	H0 30 300	
	23 24 26 30 32 36	
	38 39 41 45 47 51	
SLOT SIZE 1 2 3		
DIAMETER OF SCREEN		
56 60 (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
TELESCOPE CASING	
LOG INDICATOR	
OTHER DATA	

PUMPING TEST		
HOURS PUMPED (nearest hour)		
6		
PUMPING RATE (gal. per min. to nearest gal.)		
3		
METHOD USED TO MEASURE PUMPING RATE		
Submersible		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING		
9		
WHEN PUMPING		
260		
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:	
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	
V (nearest foot)	

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. 399	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	

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)	
Russell Zepp Drive	
132'	