

8/29/95  
1/90

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50821

A 49007

DISTRICT 5th

DATE 8-8-95

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

DATE SYSTEM APPROVED 8/29/95

INSPECTOR M. Rifkin

### INDEXED

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, MD 21157 PHONE 875-4197

SUBDIVISION Deer Track LOT 12 ROAD 6749 Cortina Drive

PROPERTY OWNER Jerard and Kathleen Robertson

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

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 195 feet up the left lot line (295.16') and 30 feet off that same lot line as seen when facing the lot from Cortina Drive. Run trenches on contour toward the right lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 5/8/95 DKS

PLANS APPROVED BY Amy McMillen DATE 04/05/95

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

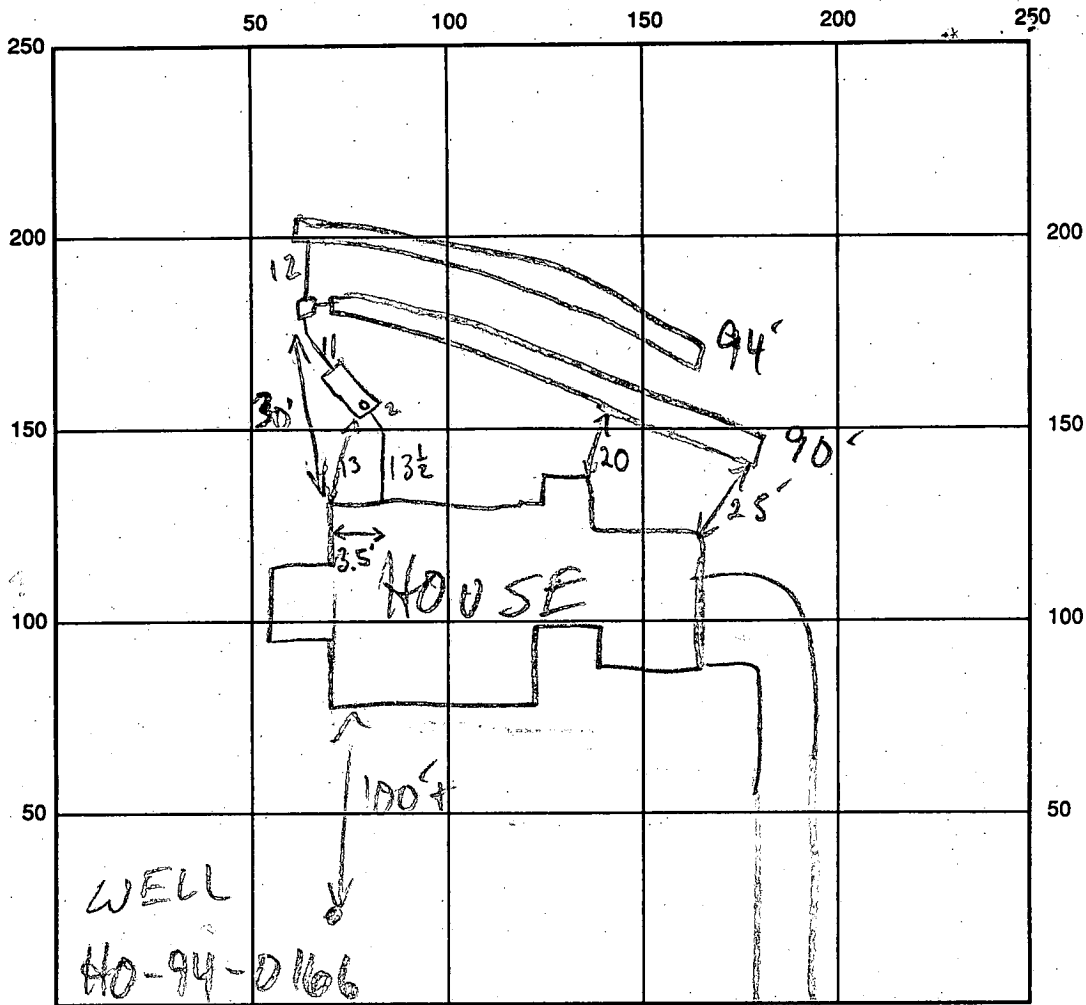
PERMIT VOID AFTER TWO YEARS

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**

A  
49007



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1000 GAL - OK CLEANOUTS S-T - OK  
 DISTRIBUTION BOX LEVEL OK - BAFFLE IN  
 DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 3 FT. INLET DEPTH 5 FT.  
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 090 099 FT.  
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 0270 0282 SQ. FT.  
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.  
 ABSORBENT AREA 552 SQ. FT.

REMARKS: 8/29/95 OK TO COVER MR

8/29/95 WELL LINE OK 3-4" B.G. MR

DATE SYSTEM APPROVED 8/29/95 INSPECTOR M. R. P. KIN

# APPLICATION

PERCOLATION TESTING

A 49107

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT 5

DATE 3/3/1993

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 BUSHROD W. HOPKINS, ET AL *Jerard & Kathleen Robertson*  
ADDRESS 6761 HAVILAND MILL ROAD PHONE 410-461-5840  
CLARKSVILLE, MARYLAND 21029 PHONE (410)596-9168

AGENT OR PROSPECTIVE BUYER CARMAN ASSOCIATES  
ADDRESS P.O. BOX 122 PHONE (410)442-1045  
ELLICOTT CITY, MARYLAND 21041

PROPERTY LOCATION:

SUBDIVISION XXXX DEER TRACK LOT NO. 14/12 XXXX

ROAD AND DESCRIPTION Extension of Cortina Drive off Villa D'est Drive  
(6749 Cortina Drive)

TAX MAP 34 PARCEL # 161

BLDG. PERMIT SIGNED 58685  
AND RETURNED 4/5/95  
Single Family Res. - 3Bem  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

SIZE OF LOT 1 Acre, more or less TYPE BLDG. \_\_\_\_\_

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. *Richard Y. Fisch (agent)*  
(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

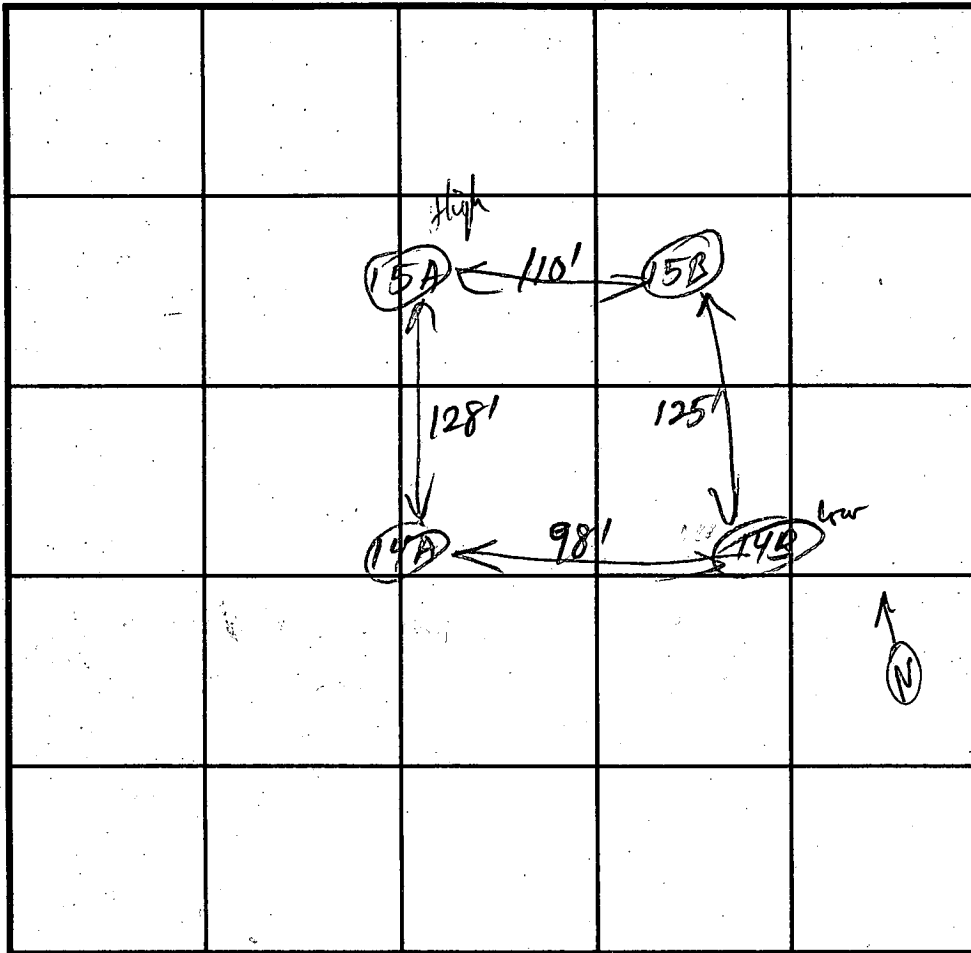
49007 Lot 14  
 COUNTY #

SOIL PROFILE

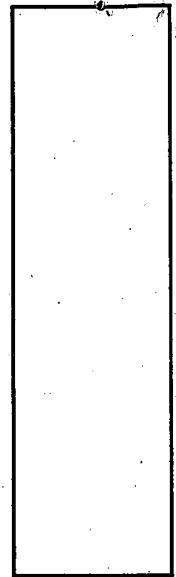
0' 14A  
 Dark Red  
 hCL-CL  
 mfi  
 2-3' Red Brn  
 hL-CL  
 MBr  
 6' Mid Brn  
 - mBr  
 F micaceous  
 Mixing  
 with  
 grey Brn  
 & grey  
 SL v. micaceous  
 5-10%  
 mBr. Spindle  
 16'

14B

St Brn  
 Micaceous  
 h Loam  
 -CL  
 2 1/2' Brn + grey  
 v. micaceous  
 Lant to SL  
 Ls - mBr  
 10' mBr - muf  
 yel Brn, orange  
 Brn & CL  
 Blk stain  
 micaceous  
 13'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

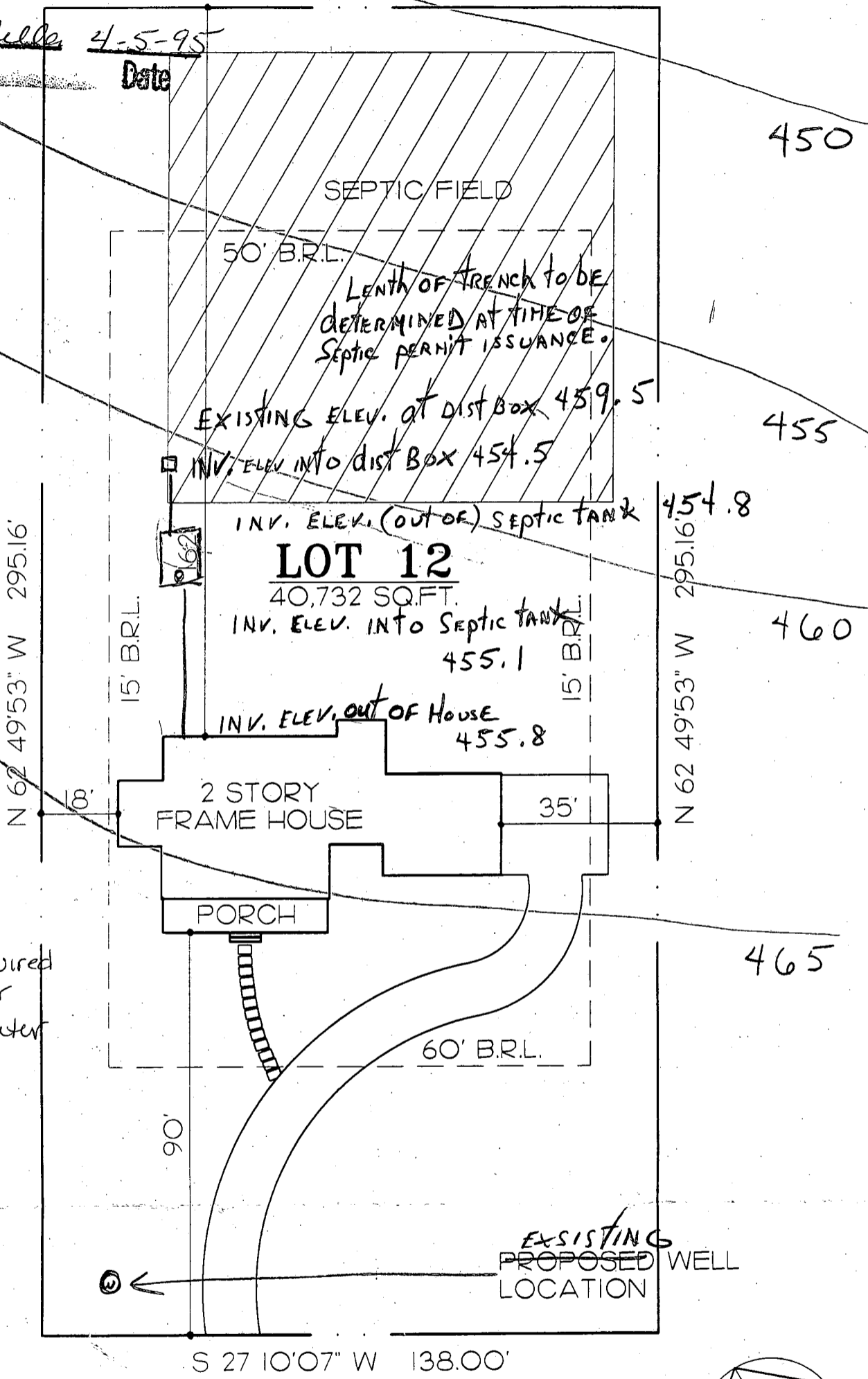
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/13/93	15A	4 1/2" see	Test sheet lot 15				5 min	Satis
4/14/93	15B	9" v 12	OK below 3'				6 min	
	15B	4 1/2" see	Test sheet lot 15				7 min	Satis
		9 1/4" v 12	OK below 4 1/2'				3 min	
	14A	7'	10:13:20	10:15:30	10:15:30	10:19:30	4 min	
		11" v 16	10:42:50	10:15:15	10:15:15	10:19:30	4 min	
	14B	4'	10:16:40	10:20:30	10:20:30	10:28:40	8 min	
		8 1/2" v 13'	10:16:40	10:20:30	10:20:30	10:31:20	11 min	

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY R. J. [Signature] ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 6 min TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH 3 1/2' MAXIMUM BOTTOM DEPTH 7' SQ. FT./BEDROOM \_\_\_\_\_  
5' to 5'

Approved Septic System Plan  
Howard County Health Department

*Amy McMele*  
Signature  
Date 4-5-95

N 27 10'07" E 138.00'



man hole  
cleanout required  
if cover over  
tank is greater  
than 3'.

**LOT 12**

40,732 SQ.FT.  
INV. ELEV. INTO SEPTIC TANK  
455.1

2 STORY  
FRAME HOUSE

PORCH

LENGTH OF TRENCH TO BE  
DETERMINED AT TIME OF  
SEPTIC PERMIT ISSUANCE.

EXISTING ELEV. OF DIST BOX 459.5

INV. ELEV. INTO DIST BOX 454.5

INV. ELEV. (OUT OF) SEPTIC TANK 454.8

INV. ELEV. OUT OF HOUSE  
455.8

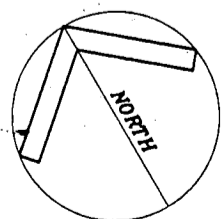
EXISTING  
PROPOSED WELL  
LOCATION

S 27 10'07" W 138.00'

CORTINA DRIVE

SITE PLAN

1"=30'-0"



B 1 06877

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

40-94-0166 fill in this form completely

Date Received (APA)

280777

OWNER INFORMATION

CARMAN ASSOCIATES

BOX 122

ELKTON CITY MD 21041

B 3

LOCATION OF WELL

HOWARD

DEER TRACK

SECTION 12

HIGHLAND

2 MILES FROM TOWN

DRILLER INFORMATION

Joseph L. Mayne

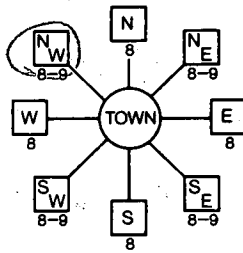
Joseph L. Mayne Well Drilling

5512 Ridge Rd. DH, Airy 21771

Joseph Mayne 5/1/94

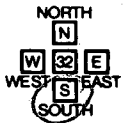
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



CORTINA DRIVE

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



70 DISTANCE FROM ROAD ENTER FT or MI FH

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home (single or double household unit only)
Farming (livestock watering & agricultural irrigation)
Industrial, commercial, state and federal gov. other (requires appropriation permit)
Public or private water company (requires appropriation permit and state health department approval)
Test, observation, monitoring (may require appropriation permit)

APPROXIMATE DEPTH OF WELL 265 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- Bored (or Augered)
Jetted
Jetted & Driven
Air-Rotary
Air-Per percussion
Rotary (Hydraulic Rotary)
Cable
Reverse-Rotary
Drive-Point

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N This well will not replace an existing well
Y This well will replace a well that will be abandoned and sealed
S This well will replace a well that will be used as a standby
D This well will deepen an existing well

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE AP PERMIT No. 40-94-0166

SPECIAL CONDITIONS

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A 49007

COUNTY NAME SIGNATURE

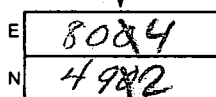
DATE ISSUED 082694

NORTH GRID 492000 EAST GRID 0804000

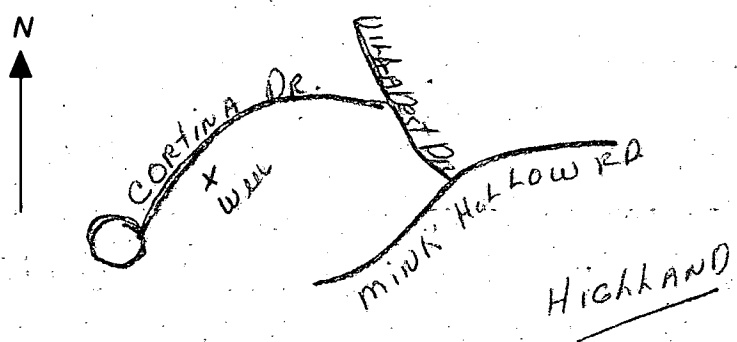
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. Well

WRITE THE BOX NUMBER FROM THE MAP HERE



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



C1 4518

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER

A 49007

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for ST/CO USE ONLY DATE Received

100794

365

40-99-0166

OWNER Carmen Associates last name Cortina Dr. first name TOWN Highland SUBDIVISION Deer Track SECTION LOT 12

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for SAND and GRAY MICA Rock.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 15, NO. OF POUNDS: 1410, GALLONS OF WATER: 90, DEPTH OF GROUT SEAL: 65 ft.

CASING RECORD: casing types (ST, CO, PL, OT), MAIN CASING TYPE: ST, Nominal diameter: 6 inch, Total depth: 85 feet.

OTHER CASING (if used) diameter and depth.

SCREEN RECORD: screen type (ST, BR, HO, PL, OT), SLOT SIZE: 1, 2, 3, DIAMETER OF SCREEN: (NEAREST INCH).

PUMPING TEST: HOURS PUMPED: 3, PUMPING RATE: 4 gal. per min., METHOD USED TO MEASURE PUMPING RATE: Bucket, WATER LEVEL: 31 ft., WHEN PUMPING: 299, TYPE OF PUMP USED: S (submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP (YES/NO), TYPE OF PUMP INSTALLED: S, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT: 7 ft.

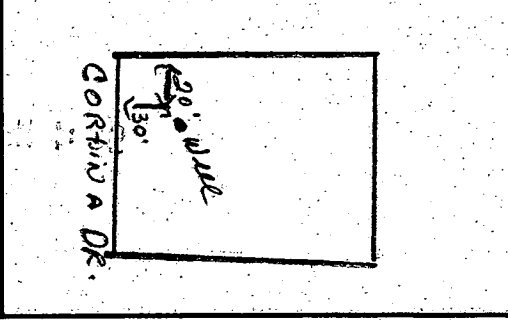
IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED: YES (Y) / NO (N).

DEPTH (nearest ft.) table with columns 1-51. Includes slot size and diameter of screen.

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).

CIRCLE APPROPRIATE LETTER: A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED, E ELECTRIC LOG OBTAINED, P TEST WELL CONVERTED TO PRODUCTION WELL.

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



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. 24, DRILLERS SIGNATURE (Must match signature on application)

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (E.R.O.S.), W Q (74, 75, 76)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

TELESCOPE CASING LOG INDICATOR OTHER DATA