

12/22/94  
w/1 AM  
11/19/95  
ASAP

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50495E

A 49008

DISTRICT 5th

DATE 1/26/95

DATE SYSTEM APPROVED 12/22/94

INSPECTOR DKS

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

### INDEXED

Jack fyock Septic Service

IS PERMITTED TO INSTALL  ALTER

ADDRESS \_\_\_\_\_ PHONE 988-9270

SUBDIVISION Deer Track LOT 13 ROAD 6745 Cortina Drive

PROPERTY OWNER Cornerstone Homes, Inc. Audkey Spivack

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 6 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 6 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 195 feet down the left lot line (295.16') and 50 feet off that same lot line when facing the lot from Cortina Drive. Run trenches on contour toward the back 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 11/1/94 DKS

PLANS APPROVED BY Amy McMillen DATE 10/25/94

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

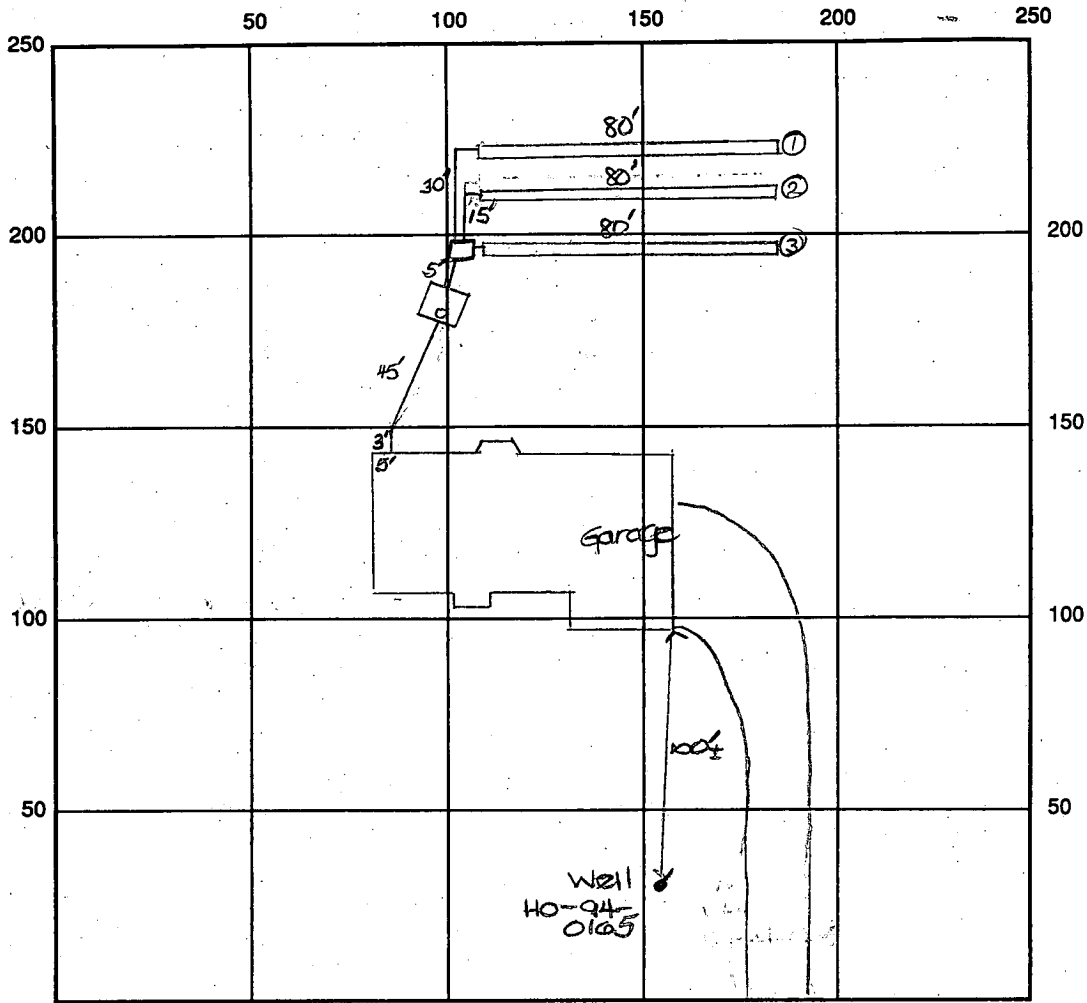
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BLDG. PERMIT SIGNED  
AND RETURNED 2/16/95  
Serial # 58/21 - screen print  
deeb

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

A  
49008



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Corlina Drive

SEPTIC TANK LEVEL OK CLEANOUTS one on s.t.

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 8.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 6.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH ① 80' ② 80' ③ 80' → 240' total FT.

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

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

ABSORBENT AREA 720 SQ. FT.

REMARKS: 12/22/94 Final - OK to cover all work. DKS

1/2/95 WPI OK, 4' + below grade. DKS

DATE SYSTEM APPROVED 12/22/94 INSPECTOR [Signature]

# APPLICATION

PERCOLATION TESTING

A 49008

P \_\_\_\_\_

5

DISTRICT \_\_\_\_\_

DATE 3/3/1993

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

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 CORNERSTONE HOMES Inc  
ADDRESS 6761 HAVILAND MILL ROAD  
CLARKSVILLE, MARYLAND 21029 PHONE (410) 596-9168

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

PROPERTY LOCATION:

SUBDIVISION XXXX DEER TRACK LOT NO. 15 13 XXXX  
ROAD AND DESCRIPTION Extension of Cortina Drive (6745) off Villa D'est Drive

TAX MAP 34 PARCEL # 161  
SIZE OF LOT 1 Acre, more or less TYPE BLDG. BLDG. PERMIT SIGNED AND RETURNED 10/25/94 Serial # 56990-4Bm Single Family Res.  
(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. Zacharia J. 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

A49008 <sup>Lot 15</sup>

COUNTY #

SOIL PROFILE  
Hole 15A

0'  
2-2 1/2'  
6-8'  
12'

Str Bron  
Loam

Top  
olive Bron  
SL v. mica  
Loam

Sandy  
Bron  
v. mica  
(15% mica sprouts)  
Loam

15B

4 1/2 to 6'

9'

12'

Red-fad Bron  
hcl

Red Bron  
to Stublon  
v. mica  
Loam  
- SL

Mod Bron  
Fine mica  
Loam  
(100% mica sprouts)

15C

5 1/2'

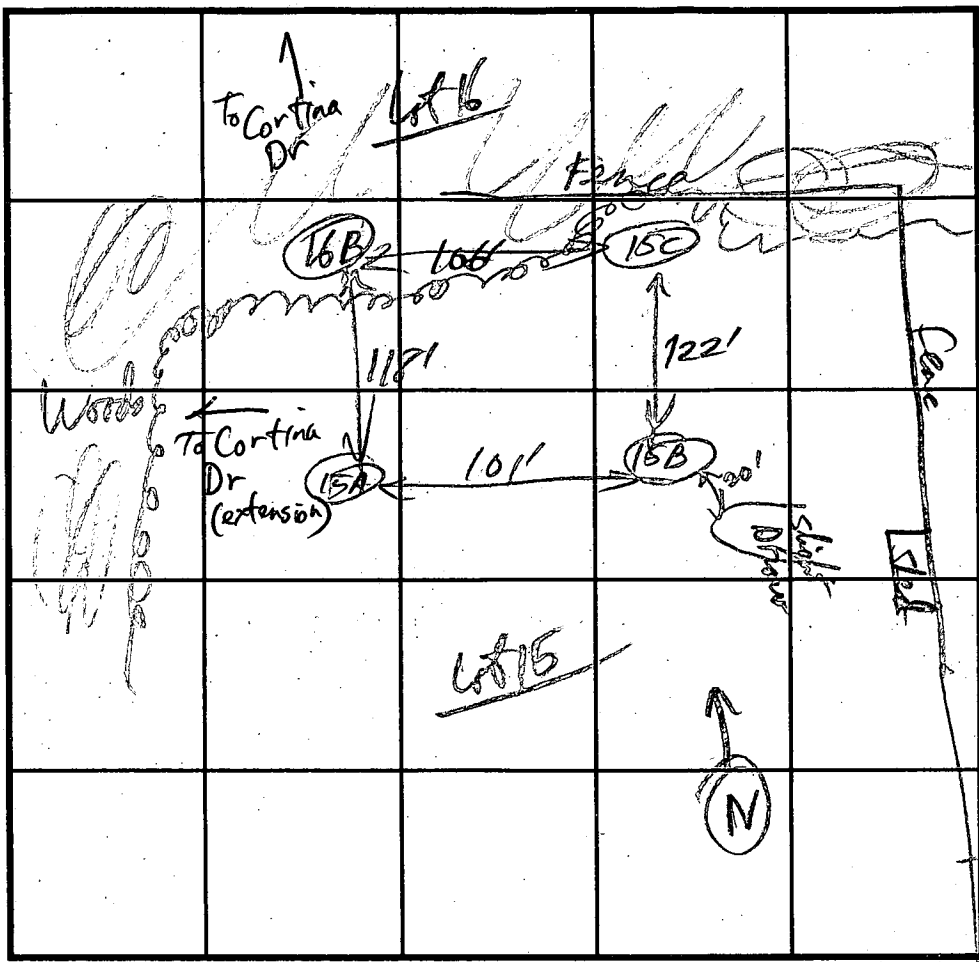
8'

12 1/2'

Ypl Bron  
+ Sil  
SILL

Red.  
micaceous  
Mod. hard  
clods

Bron  
+ Red Bron  
SL



SOIL PROFILE

0'

Empty soil profile box.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4-13-43	15A	4 1/2'	2:46:15	2:50	2:50	2:55	5 min	
		9'	2:46:00	2:48:00	2:48:00	2:54:00	6 min	
		V 12'	OK Below 3 ft					
	15B	4 1/2'	2:47:30	2:53:00	2:53:00	3:00:00	7 min	
		9'	2:48:00	2:53:00	2:53:00	2:56:00	3 min	
		V 12'	OK below 5 1/2'					
	16B	OK to 12'	9'	see Test Sheet Lot 16				2 1/2 3 min
	15C	4 1/2'	2:59:00	N Min	16 Min		Fail	
		8'	2:59:00	3:02:00	3:02:00	3:07:25	5 min	
		V 12'	OK below 5 1/2 ft					

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY R.P. Kelly ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 6 min TRENCH WIDTH 3

INLET DEPTH 46 MAXIMUM BOTTOM DEPTH 78 SQ. FT./BEDROOM 180

B 1. 06878 SEQUENCE NO. (DP USE ONLY)  
2 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER  
H0-94-0165  
70 fill in this form completely 78

Date Received (APA) 08/01/94  
OWNER INFORMATION  
8 CARMAN ASSOCIATES  
15 Last Name Owner First Name 34  
36 BOX 122 Street or RFD 55  
57 ELLICOFF CITY MD 21047  
70 State 72 Zip 76

B 3 LOCATION OF WELL  
1 HOWARD  
8 COUNTY 21  
DEER TRACK  
23 SUBDIVISION 42  
SECTION 44 46 LOT 13 48 50  
HIGHLAND  
52 NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) 2 MI  
73 76 77 78

DRILLER INFORMATION  
Joseph L. Mayne 24  
Driller's Name 77 License No. 84  
Joseph L. Mayne Well Drilling  
Firm Name  
5512 Ridge RD. DH. Airy 21771  
Address  
Joseph L. Mayne 8/1/94  
Signature Date

B 4  
1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
NORTH NE EAST  
N W TOWN E  
S W S E S  
8 8 8 8 8 8 8 8  
CORTINA DRIVE  
11 NEAR WHAT ROAD 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH WEST EAST SOUTH  
34 60 37  
DISTANCE FROM ROAD  
ENTER FT or MI FT  
38 39

B 2 WELL INFORMATION  
1 APPROX. PUMPING RATE (GAL. PER MIN.) 5  
8  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500  
14 20

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
Howard A 49008  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S 41  
DATE ISSUED 08/17/94  
43 CO SIGNATURE 8/17/94  
48 EXP. DATE  
NORTH GRID 492000 55 EAST GRID 0802000 63

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
22 I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)  
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)  
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

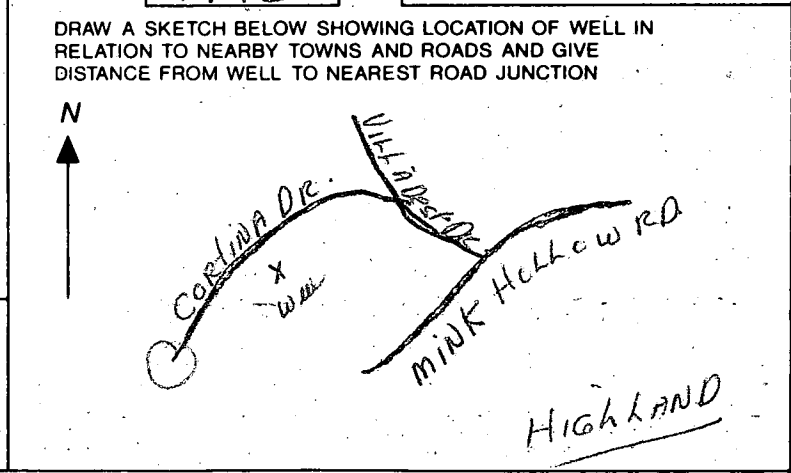
APPROXIMATE DEPTH OF WELL 265 FEET  
24 28

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 8002  
N 4902  
000 000 X

APPROXIMATE DIAMETER OF WELL 6 INCH  
NEAREST INCH

METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)  
37 CABLE REVERSE-ROTARY DRIVE-POINT  
other

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  
39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY  
D THIS WELL WILL DEEPEM AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41



Not to be filled in by driller (OEP USE ONLY)  
APPROP. PERMIT NUMBER 54 GAP 63  
FORCE RP WRITE INITIALS IN BOX PERMIT No. H0-94-0165  
67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

C1 4509

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 49008

ST/CO USE ONLY? DATE RECEIVED

DATE WELL COMPLETED 09/15/94

Depth of Well 245 (TO NEAREST FOOT)

PERMIT NO. FROM: "PERMIT TO DRILL WELL" HO-94-0165

OWNER Carmen Associates last name Cortina Dr first name TOWN Highland SUBDIVISION Deer Track SECTION LOT 13

WELL LOG table with columns: DESCRIPTION (SAND, GRAY MICA ROCK), FEET (FROM 0 TO 83, 83 TO 245), Check if water bearing.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 21, NO. OF POUNDS 1974.

CASING RECORD: MAIN CASING TYPE (S), Nominal diameter top (main) casing (nearest inch) 6, Total depth of main casing (nearest foot) 88.

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

SCREEN RECORD: screen type or open hole (S), insert appropriate code below.

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED.

DEPTH (nearest ft.) table with columns for depth intervals (8-9, 11-15, 17-21, etc.) and values (H0, 85, 245).

WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P).

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

DRILLERS IDENT. NO. 24, DRILLERS SIGNATURE Joseph Maysa.

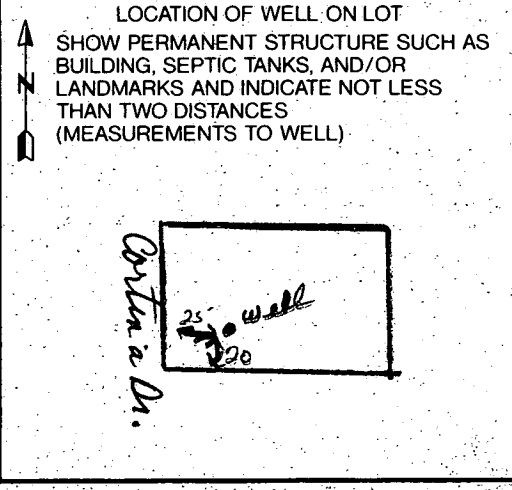
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER), T. (E.R.O.S.), W.Q.

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

TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST: HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min. to nearest gal.) 7.5, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 30, WHEN PUMPING 160.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), TYPE OF PUMP INSTALLED (S) submersible, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH (nearest ft.), CASING HEIGHT (circle appropriate box and enter casing height) above, LAND SURFACE 3 (nearest foot).



Bryan Boyce

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

Permit # 56990

Approved Septic System Plan  
Howard County Health Department

*Bryan Boyce*  
Signature Date 10-25-94

TRENCH INV. 459°

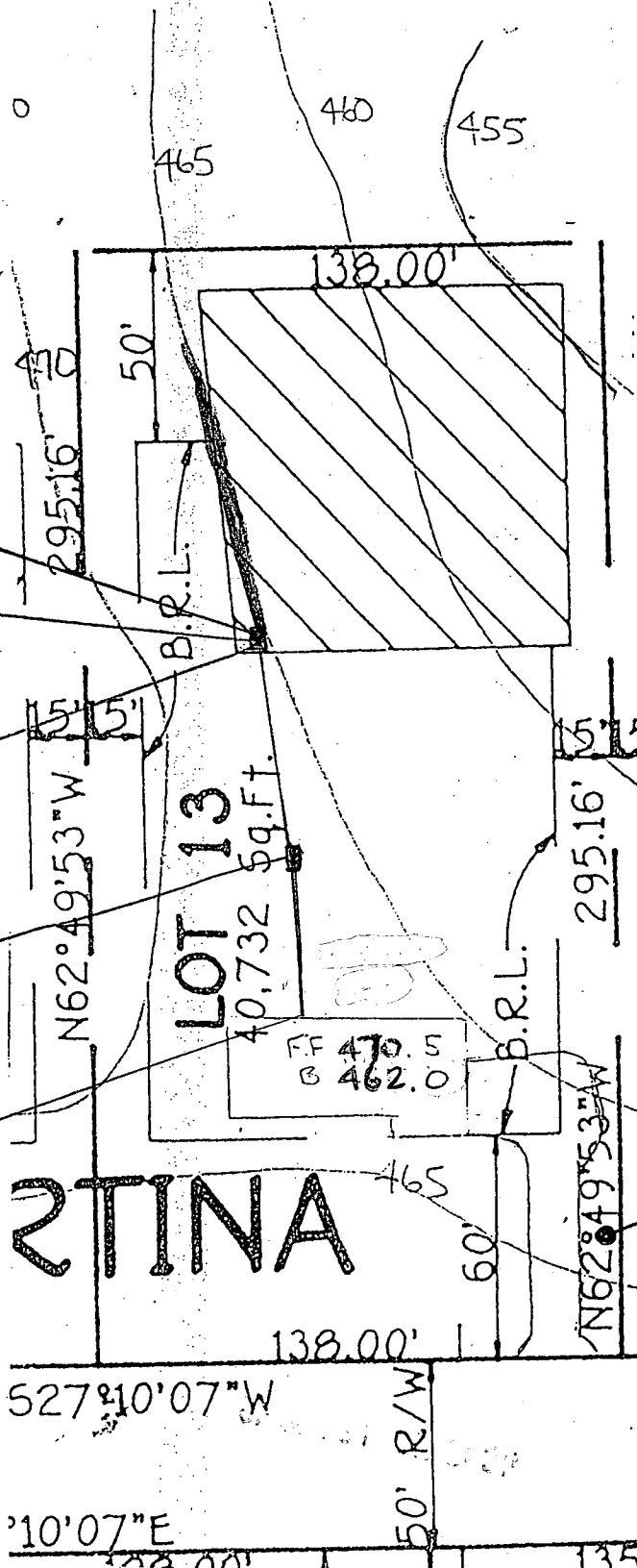
INVERT INTO BOX 459°

EXISTING ELEV AT BOX 465°

INV OUT 460°

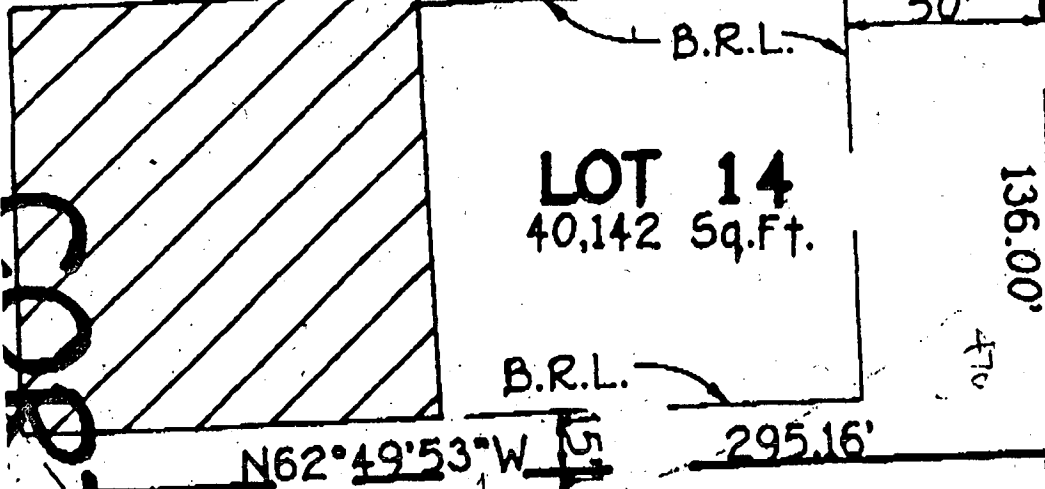
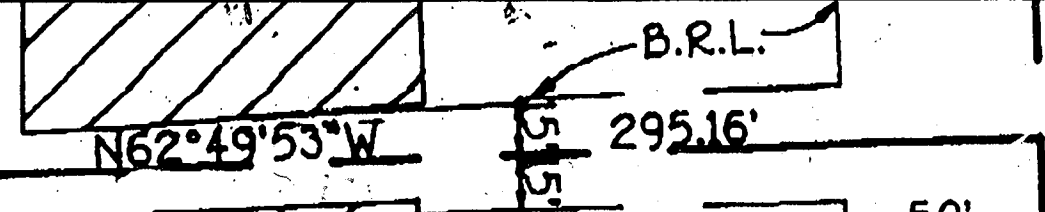
INV IN 460°

INV. OUT 461°

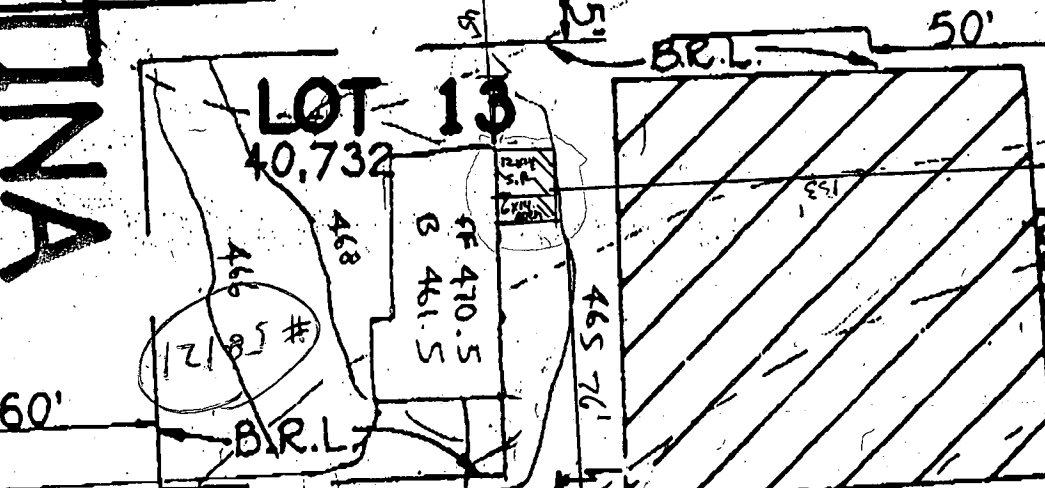


ELEV AT WELL 465°

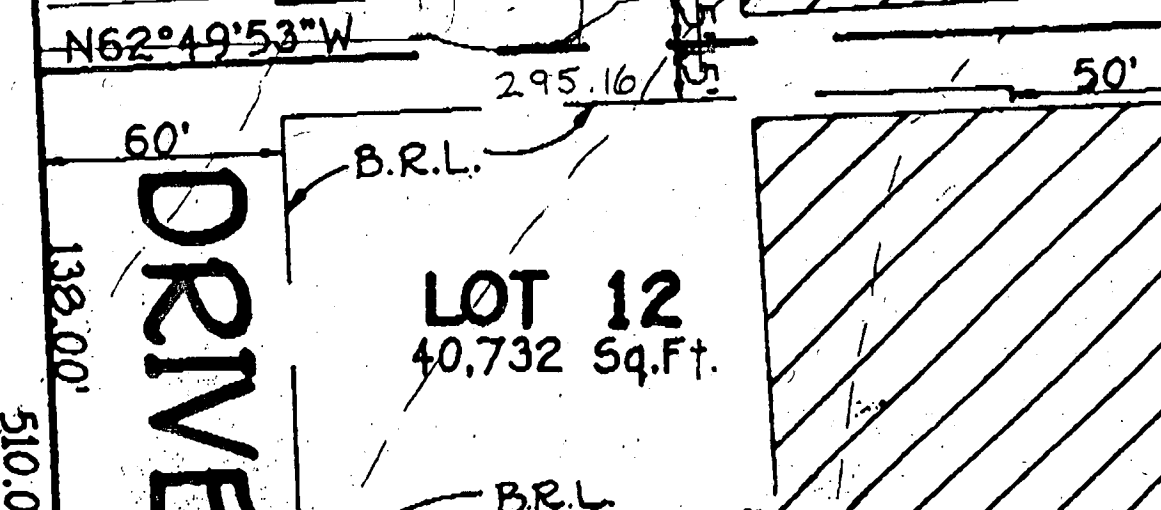
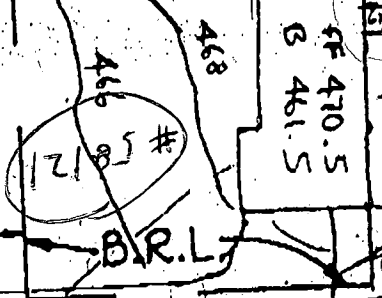
N 55.00'  
168.62'  
(MET)



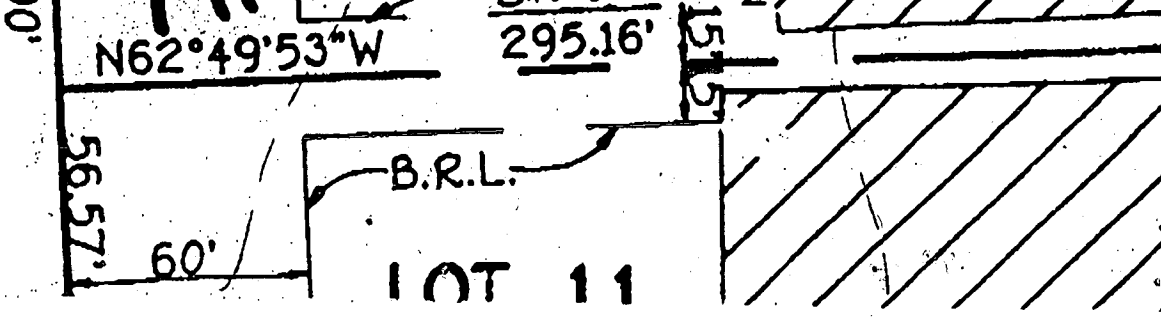
**LOT 14**  
40,142 Sq.Ft.



**LOT 13**  
40,732



**LOT 12**  
40,732 Sq.Ft.



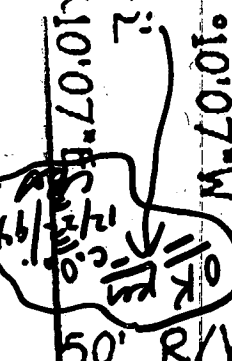
**LOT 11**

**DEER TRACK**

**COPTINA**

**DRIVE**

LOTS 1-12  
SUBDIVISION OF THE KRAMER  
LOTS 1/2, PLOT 16, 2055)  
11 BAYOU DISTRICT  
50 Scale  
10'0.07\"/>



138.00'  
138.00'  
510.00'  
510.00'  
510.00'  
56.57'  
111.00'

461