

12:00 & 3:00
8/28/95 1st heater
10/31/95 100 house
connection

8/28/95 Needs house
connection

10/31/95 Done
P 50728

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 49001

DISTRICT 5th

DATE 6-7-95

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

DATE SYSTEM APPROVED 10-31-95

~~XXXXXXXX~~ 313-2640

INSPECTOR DKS

INDEXED

South Carroll Backhoe/Paul Schissler IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION Deer Track LOT 8 ROAD 6764 Cortina Drive

PROPERTY OWNER Jacobsen Homes, Inc.

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 151.57' and 180.00 lot lines, place distribution box 8.5 feet down the 180.00 lot line and 60 feet off that same lot line. Run trenches on contour toward the back lot line. Am 6-27-95

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 5/31/95 DKS

PLANS APPROVED BY A. McMillen DATE 05/03/95

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 7/18/2002 B00137552 SCREENED PORCH W/DECK

PERMIT VOID AFTER TWO YEARS

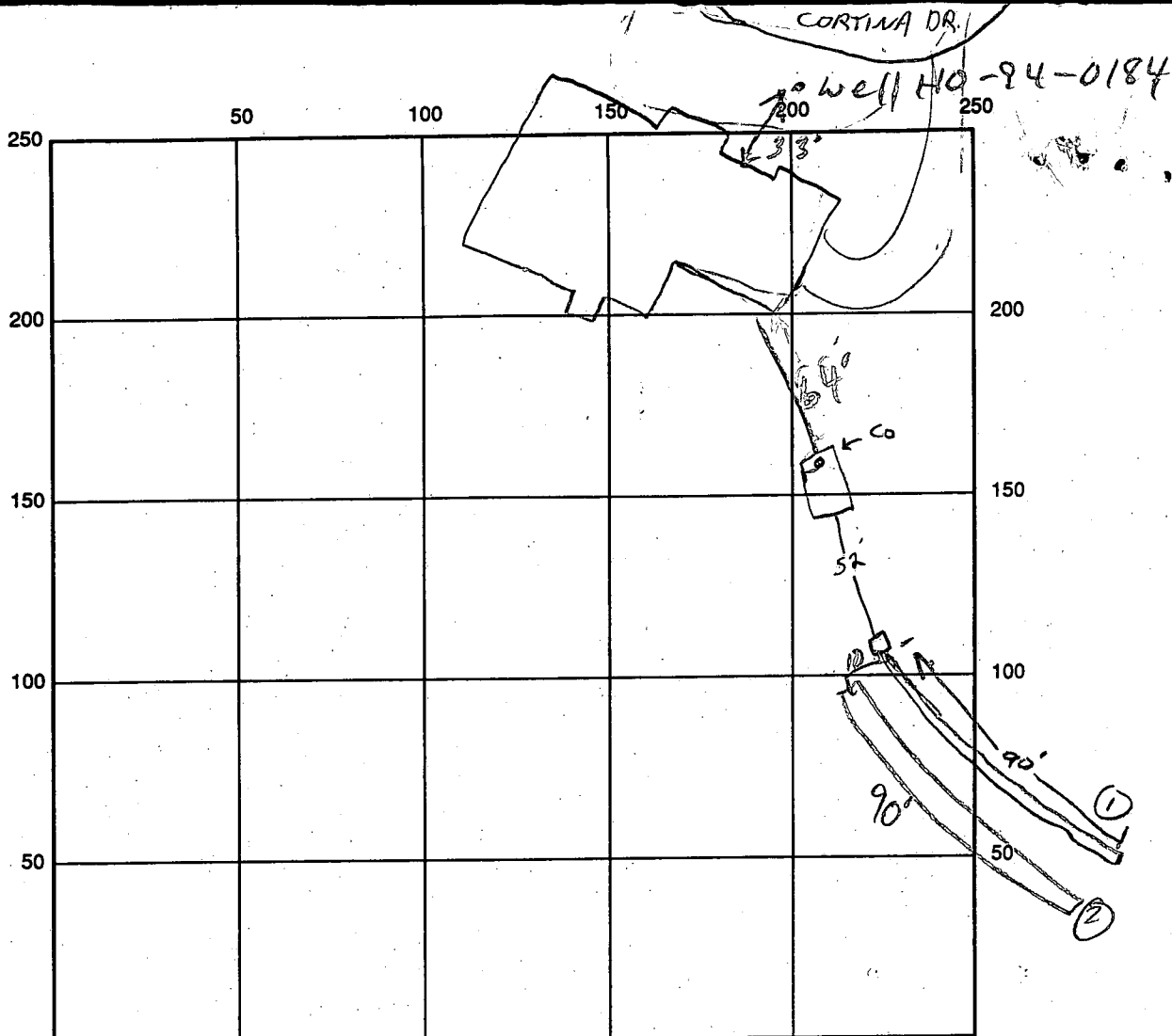
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

**BUILDING PERMIT SIGNED
AND RETURNED**

A
11/11/97



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK 1500 GAL CLEANOUTS 1 ON TANK
 DISTRIBUTION BOX LEVEL OK - BAFFLE IN
 DRAIN FIELD/TITLE DEPTH 7 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 1/2 FT.
 EFFECTIVE GRAVEL DEPTH 4 1/4 FT. TOTAL LENGTH 90' FT. 90'
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 2 @ 360 SQ. FT.
 DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA 720 SQ. FT.

REMARKS: LOT BEHIND HOUSE IS HEAVILY WOODED OK TO COVER 1ST TRENCH
OK TO COVER TANK & TANK TO DIS. BOX.
8/28/95 STONE TRENCH @ MR
8/28/95 #2 OK TO COVER TRENCHES; HOLD FOR
HOUSE CONN MR
10/31/95 FINAL - HOUSE connection made. DKS
 DATE SYSTEM APPROVED 10/31/95 INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 49101

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

per

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 JACOBSEN HOMES INC
6761 HAVILAND MILL ROAD
ADDRESS CLARKSVILLE, MARYLAND 21029 PHONE (410) 596-9168
301-953-2083

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

PROPERTY LOCATION:

SUBDIVISION DEER TRACK LOT NO. 8

ROAD AND DESCRIPTION Extension of Cortina Drive off Villa D'est Drive
6764

TAX MAP 34 PARCEL # 161

SIZE OF LOT 1 Acre, more or less TYPE BLDG. Single Family Res.
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT NO. 57343-SFD-46m
~~AND RETURNED~~ 5/3/95

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 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

49001 *used*
 COUNTY # *1*

SOIL PROFILE

0' **8A**

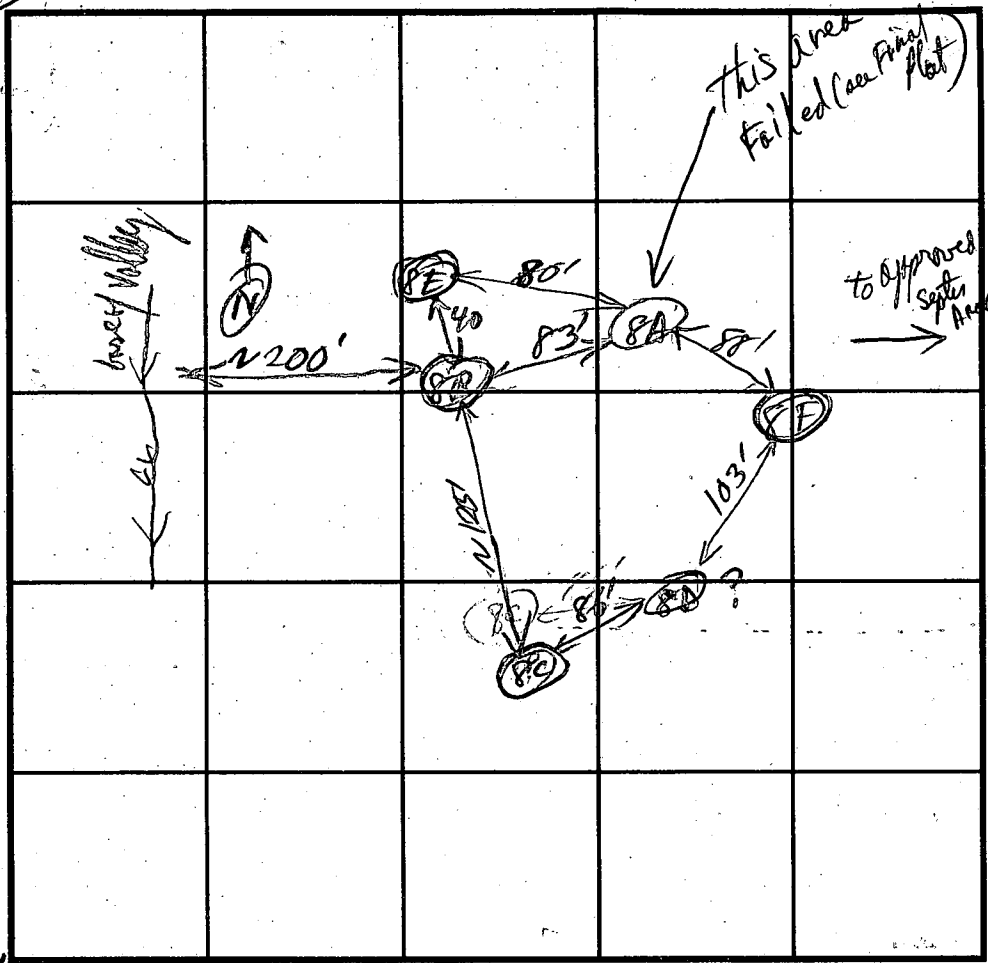
0'	Str Brn - Brn Brn SIL
2 1/2'	Red Brn - Red SL-L 25% mica
6'	Red mica SL-L
8'	Brn + grey Brn
12'	

8B

0'	Brn - yellow SIL
1 1/2'	Red CL (30% mica)
4 1/2' - 5'	Moist Spalls grey FSL -LS
8'	grey FSL -LS
10'	grey FSL -LS
12'	No rock

8E

0'	Brn (10YR 5%) LSIL
2 1/2'	Yel Brn SIL
5'	Red Brn Lo Loma 230-40% quartz stone & nodules
8'	Mixed Brn - grey & tan Brn Loma & mica 25% mica
12'	



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' **8D**

0'	Brn h.L. wet -HSL 26% C
1 1/2'	orange hSL wet
3-4 1/2'	light Brn - grey Brn FSL V. mica with nodules of dark Brn Blk & mica Loma and 50% Medium mica granite grey with FSL-LS
9'	

8C similar profile to 8D but No mica nodules only 10% small mica frags in grey - grey Brn FSL orange hSL is 4 1/2' to 5 1/2' deep

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4-14-93	8A	7'	2:44:30	3:00:00	3:00:00		28:50 min	
		9 1/2'	2:44:20	2:49:00	2:49:00	2:52	3 min	
		12'	OK below 6'					
	8B	5 1/2' net	3:07:20	3:07:57	3:07:57	3:08:30	33 sec Fail	
		9 1/2' net	3:01:30	3:02:20				
		12' net	3:01:25	3:04:00				
		12' net	3:09:08	2" in	2 min 13 sec	3:09:21	1 min 6 sec Fail	
		V12	Overall large packets of large mica granules & nodules. These are large.					Fail
	8E	V out of usable area	Steep slope					
	8D	4'	3:42:16	3:44:50	3:44:50	3:48:00	3 min ?	
		9 1/2'	3:41:40	3:42:40	3:42:40	3:44:00	1 1/2 min Marginal	
		V12' net	Missed 3rd run					
	8D	9 1/2' net	3:51:50	3:54:00	3:54:00	3:55:20	1 1/2 min Marginal	
	8C	4 1/2'	4:02:00	4:05:00	4:05:00	4:09:00	4 min Marginal	
		V 11 1/2'	4:00:00	4:01:00	4:01:00	4:01:34	25 sec (Top) (Fast)	
		9 1/2' net	4:04:40	4:05:27	4:05:27	4:06:27	30 sec (Fast)	

REMARKS: *Shallow only below 4 1/2' clay layer*

TYPE OF SOIL: *6 ft 100 depth - but deep SL that peaks slightly below 7' C 5 having on top.*

TESTED BY: *RJ*

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 49001
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

page 2

DISTRICT _____

DATE _____

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. Hopkin, et al

ADDRESS 6781 Hariland Hill Rd
Clarksville Md PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Deer Track LOT NO. 8

ROAD AND DESCRIPTION Extension of Cortina Dr off Villa West Dr.

TAX MAP 34 PARCEL # 161

SIZE OF LOT 1 Acre ± 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 _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

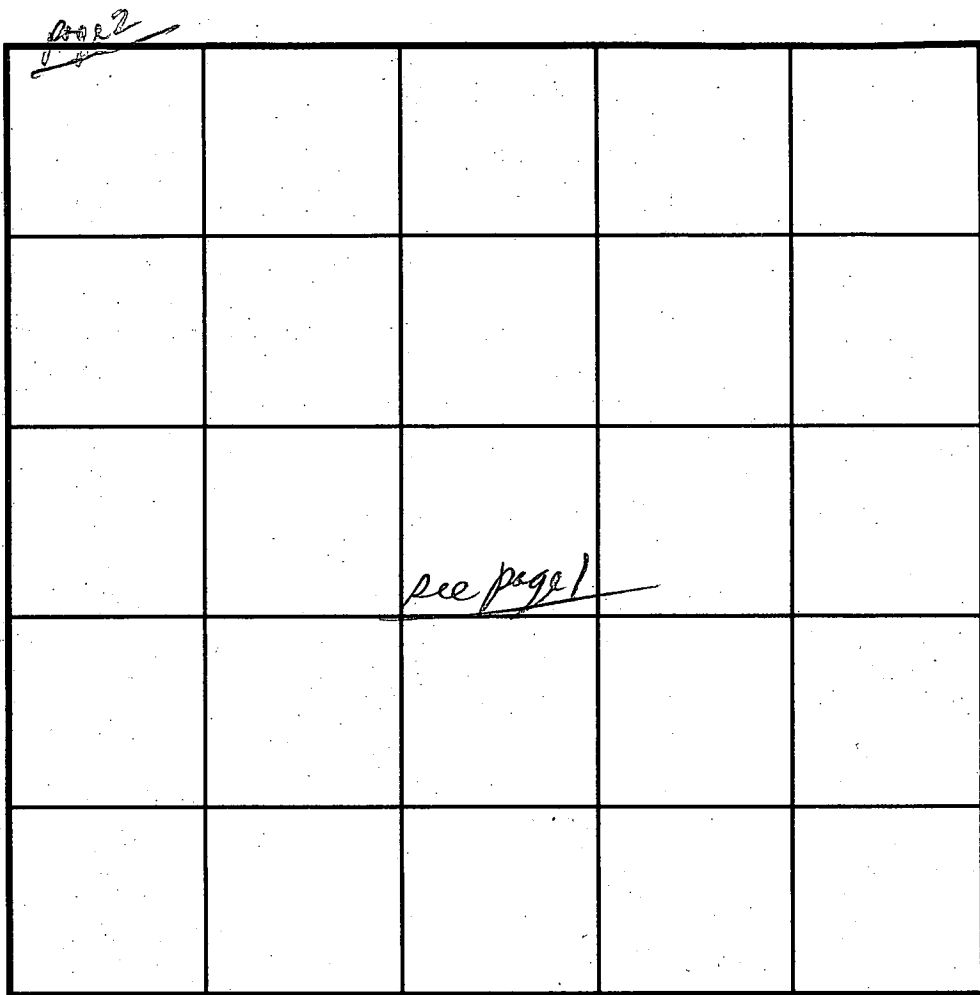
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

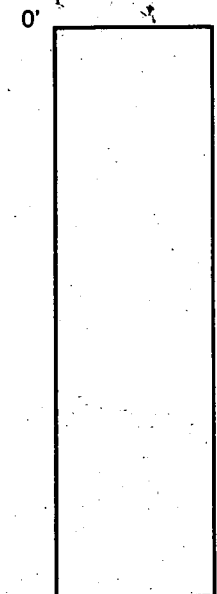
49001
COUNTY #

SOIL PROFILE

0' 8F
 Mid Brn Sil
 2-2 1/2' Hcl Red Brn (5.6% R 6%) hcl
 4 1/2' Tan - Yel Brn c. 2% d. gray to mottles, denser hL-CL
 7' Brn micaceous 20% mica schist
 7' Pocket of mica rock 30-50% mica
 8' mix material 9 1/2' Brn - gray SL micaceous 10% mica hcl & septaria
 12'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-15-93	8F	6' Retest	10:31:00	10:32:00	10:32:00	10:34:20	2 min
		9'	10:28:10	10:29:40	10:28:40	10:30:00	
		V 12' retest	10:35:45	10:37:00	10:37:00	10:38:00	1 min
		V. Pocket of Mica Rock @ 7-9 1/2 ft + Fast percol below 7'					

Too Fast @ 9'

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY [Signature] ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 49001

P _____

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

Page 3

DISTRICT _____

DATE _____

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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Deer Tract LOT NO. 8

ROAD AND DESCRIPTION off end of Cortina Drive

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 _____

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

COUNTY #

SOIL PROFILE

0' 6
 yel red
 hSL-SCL

3-3 1/2'
 Reddish Brn
 yel red
 mica loam
 -SL

5'
 Brn-red Brn
 Soaly mica
 ga loam
 -SL
 pebbles
 2 mm stones
 + mica
 spherule >50%

9-10'
 Neutral Brn
 yel mica SL

12'
 few stones

Reddish yel.
 & red
 hSL
 -SCL

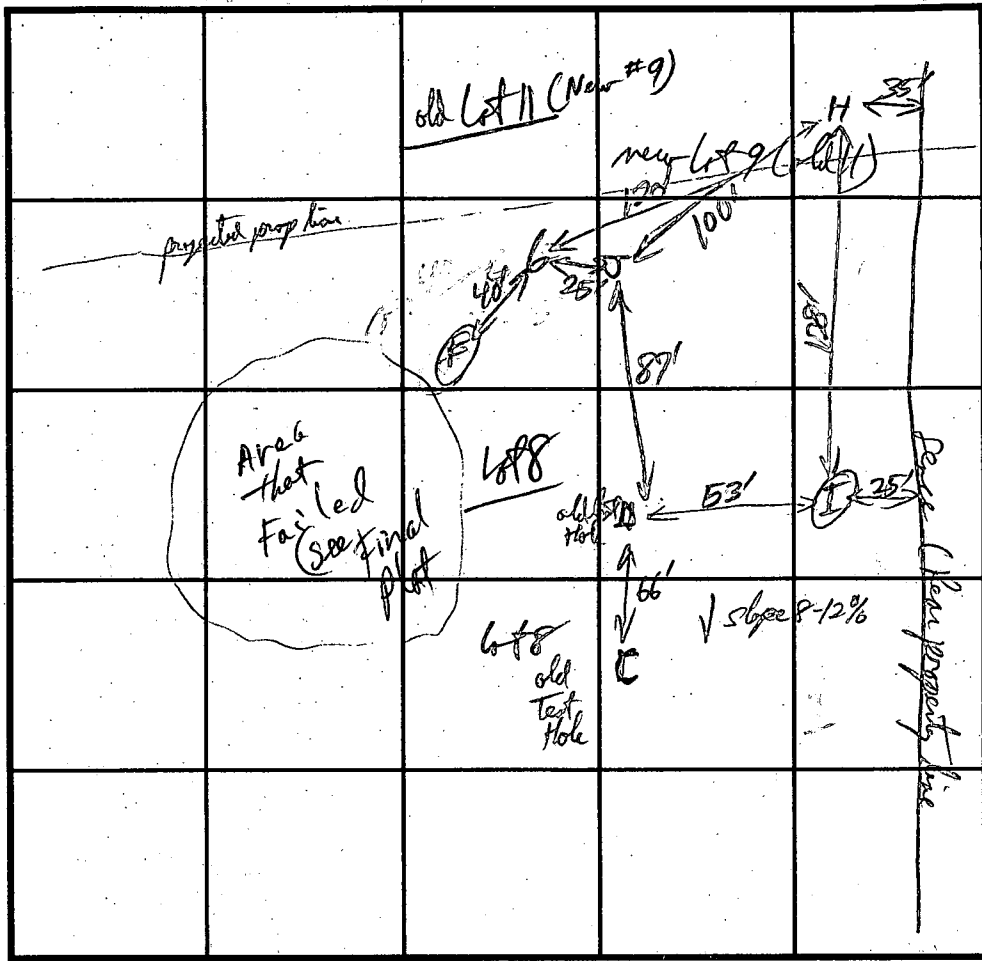
3-4'
 Mid Brn
 to reddish
 mica loam

(Few ^{Washed}
 to No ^{OK}
 Rocks
 @ 11' level)

Red Brn
 h loam

3'
 Red
 hSL-SCL

4'
 Neutral Brn
 mica loam
 hSL



SOIL PROFILE

0' 7
 yel red
 hSL-SCL

3 1/2'
 Mid Brn
 to Neutral
 Brn
 mica loam
 -SL

No rocks
 Soil ok below 3 1/2'

11 1/2'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/27/93	G	4 1/2'	10:29:30	10:30:50	10:32:10		1 1/2 min
		8'	10:25:30	10:26:29	10:27:55		
		12'	10:17:30	10:18:19	10:18:47		5 seconds
		12' SM-Test	10:20:00	10:20:48	10:21:40		
	H	4'	10:48:20	missed	11:47:00		30 min
		7'	11:07:20	11:09:??	11:11:12		2 min
	I	4'	11:06:00	11:07:55	11:12:00		4 min
		4'	11:27:50	11:30:30	11:30:30	11:32:50	2 1/2 min
		8'	11:22:48	11:23:50	11:23:50	11:25:08	
	J	5'	11:23:25	11:25:50	11:25:50	11:27:50	2 min
		8'	12:36:20	12:38:20	12:38:20	12:41:50	3 1/2 min
		8'	12:30:10	12:31:30	12:32:40		
		8'	12:31:22	12:32:22	12:32:22	12:34:30	2 min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Phil Pinkley ALSO PRESENT Phil Nguyen, Bon Carter

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 min TRENCH WIDTH _____

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM _____

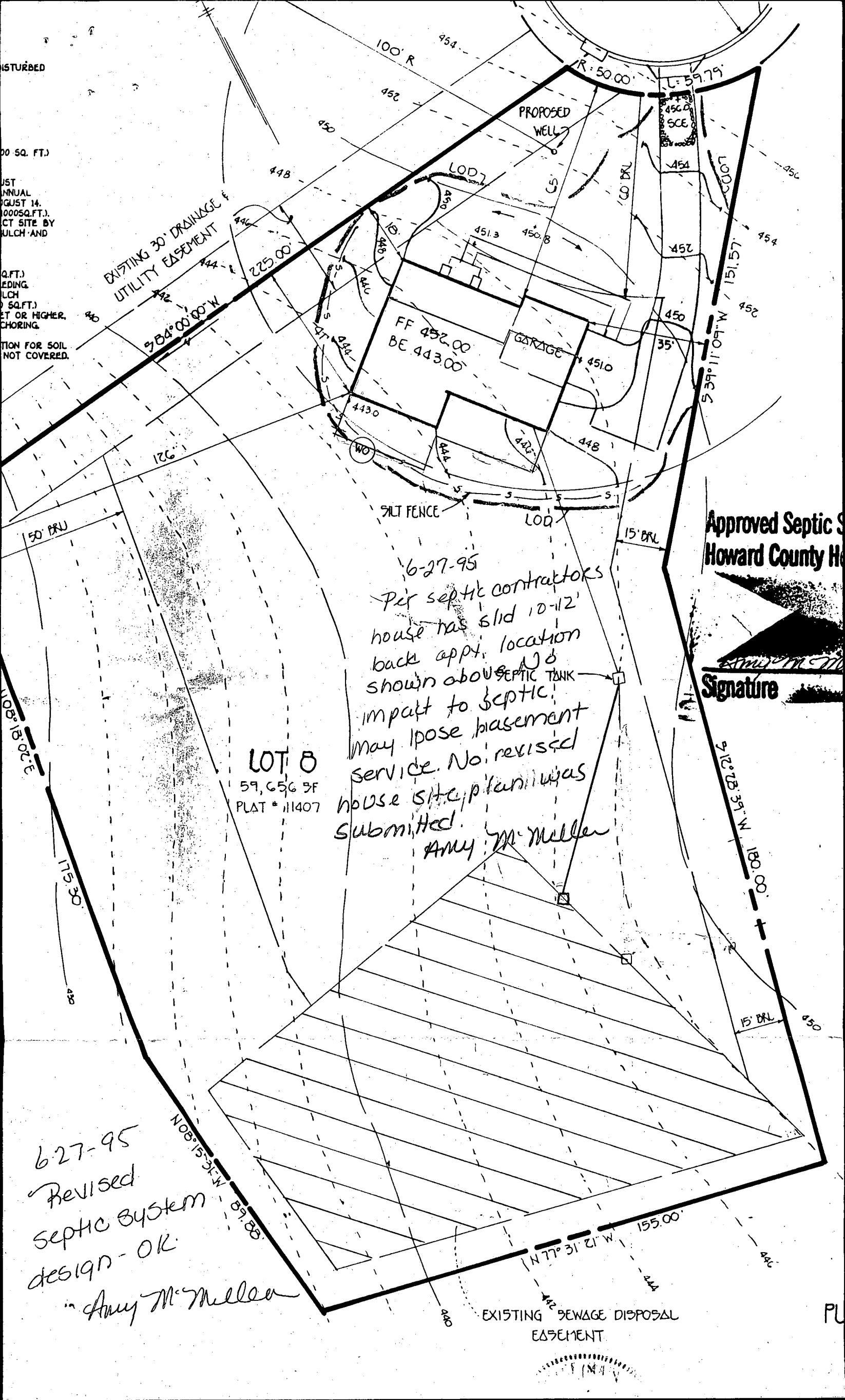
DISTURBED

00 SQ. FT.)

JUST ANNUAL AUGUST 14, 1000SQ.FT.), CT SITE BY MULCH AND

Q.FT.) BEDDING MULCH (10 SQ.FT.) SET OR HIGHER, CHORING

UTION FOR SOIL NOT COVERED.



Approved Septic S
Howard County H

Signature

6-27-95
 Per septic contractors
 house has slid 10-12'
 back approx. location
 shown above. No
 impact to septic
 may pose basement
 service. No revised
 house site plan was
 submitted.
 Amy M. Meller

LOT 8
 59,656 SF
 PLAT # 11407

6-27-95
 Revised
 septic system
 design - OK
 Amy M. Meller

EXISTING SEWAGE DISPOSAL EASEMENT

B 1 06873 SEQUENCE NO. (DP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

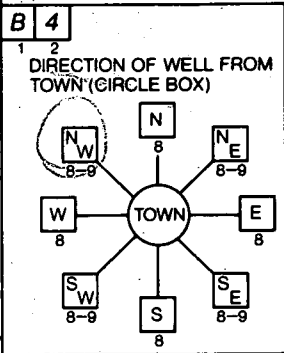
STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER 70-99-0184
fill in this form completely 70

Date Received (APA) 080194 OWNER INFORMATION
CARMAN ASSOCIATES
BOX 122
ELKICOFF CITY MD 21021

B 3 LOCATION OF WELL
HOWARD COUNTY DEER TRACK
SECTION 44 46 LOT 8 48 50
HIGHLAND
MILES FROM TOWN (enter 0 if in town) 2 MI

DRILLER INFORMATION
Joseph L. Mayne 24 License No. 80
Joseph L. Mayne Well Drilling
5512 Ridge Rd. N.H. Airy 21771
Signature Date 8/1/94



B 4 CORTINA DR. NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) WEST
DISTANCE FROM ROAD 60 FT or MI FF

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard A49001
COUNTY NAME COUNTY NO.
STATE SIGNATURE DATE ISSUED 082694
CO SIGNATURE / EXP. DATE 8/26/94
NORTH GRID 491000 EAST GRID 080400

APPROXIMATE DEPTH OF WELL 265 FEET

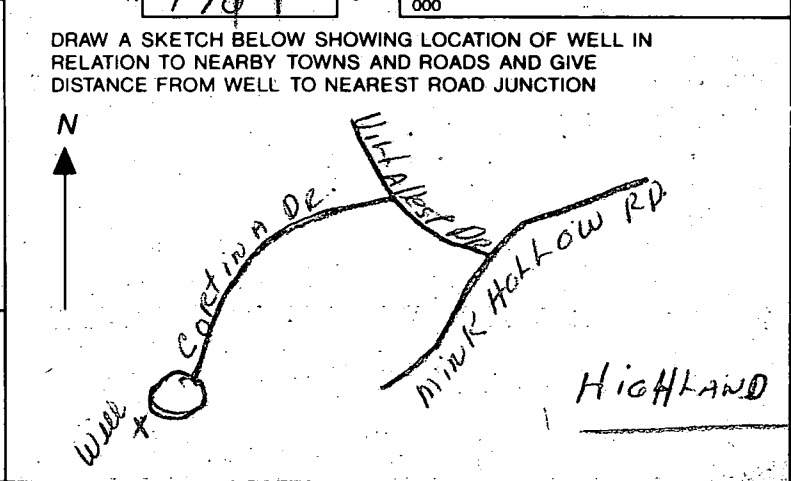
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary Drive-POINT

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 8004
N 4901

9/15/94 9:30 grout
No insp.

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER GAP
FORCE PERMIT No. 70-99-0184

SPECIAL CONDITIONS

C1 **4537** SEQUENCE NO. (DENY USE ONLY)
 (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 49001**

ST/CO USE ONLY
 DATE Received: **09 21 94**

DATE WELL COMPLETED **09 15 94**

Depth of Well **225**
 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
HO-94-0184

OWNER **Carmen Associates** last name first name
 STREET OR RFD **Cortina Dr** TOWN **Highland**
 SUBDIVISION **Deer track** SECTION _____ LOT **8**

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	
SAND	0	80	
GRAY MICA ROCK	80	225	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **18** NO. OF BOUNDS **1692**
 GALLONS OF WATER **108**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **64** 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 **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **84**

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

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

WELL HYDROFRACTURED **Y** **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 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. **24**
Joseph Mayne
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

C2

EACH CASING	DEPTH (nearest ft.)	
	1	2
1	HO 82	225
2		
3		

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

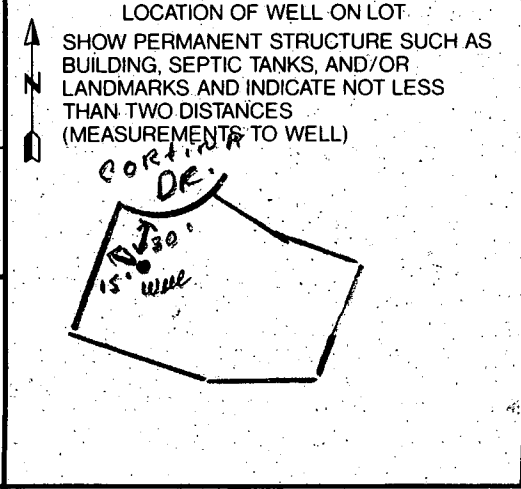
GRAVEL PACK _____
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 **68**

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

C3

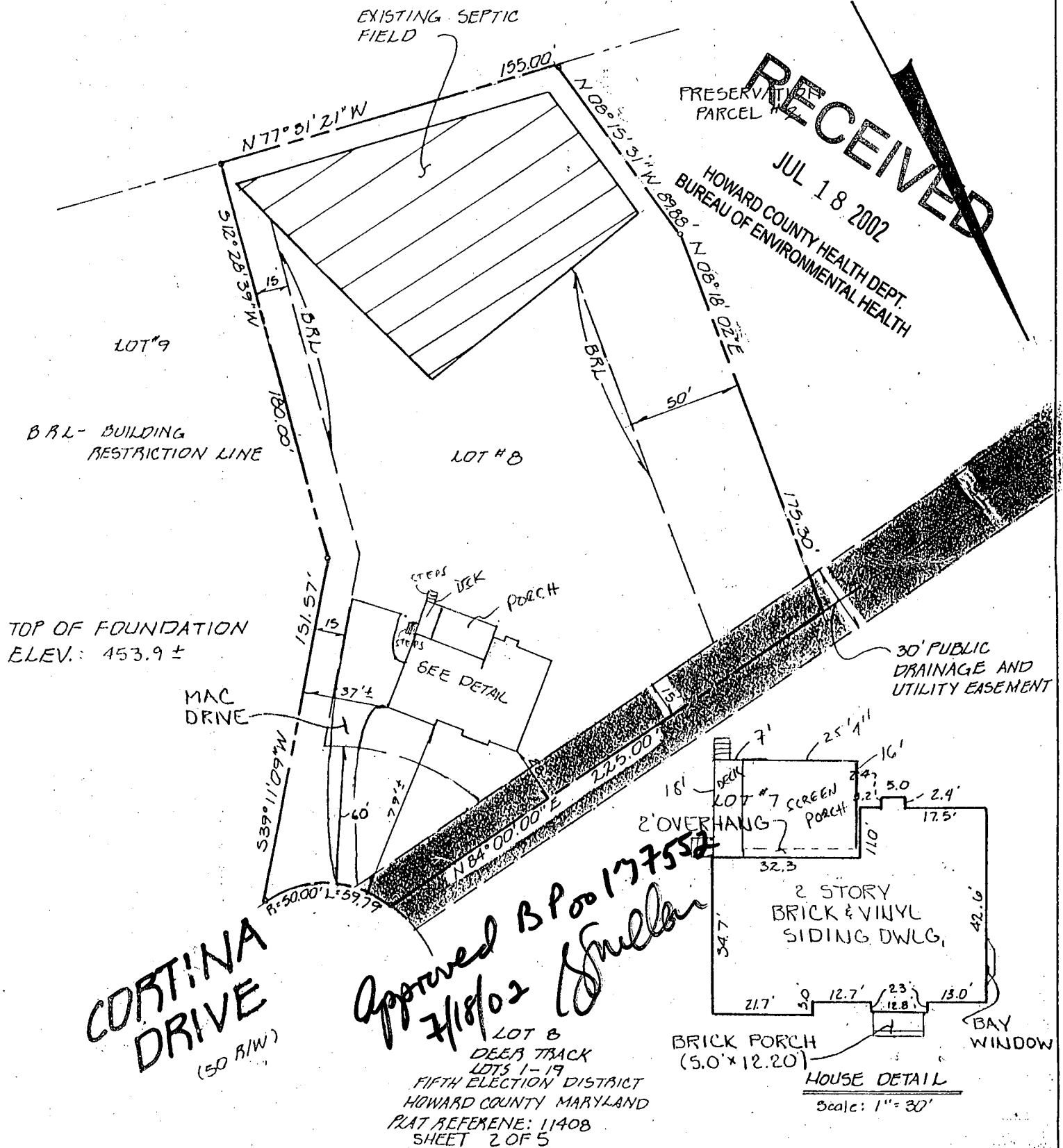
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **10**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **20** WHEN PUMPING **98**
 TYPE OF PUMP USED (for test)
A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
J jet **S** submersible

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES **NO**
 (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:
 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 } LAND SURFACE **2** (nearest foot) **-** below }



GENERAL NOTES:

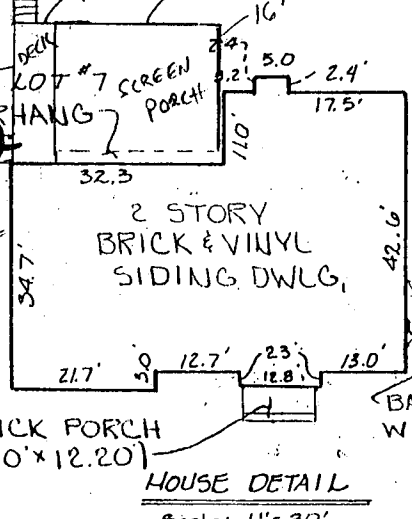
- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044 0032B, EFFECTIVE DATE: DEC. 1 1986.



RECEIVED
 JUL 18 2002
 HOWARD COUNTY HEALTH DEPT.
 BUREAU OF ENVIRONMENTAL HEALTH

*Approved B Pool 177552
 7/18/02*

CORTINA DRIVE
 (50' R/W)



LOT #8
 DEER TRACK
 LOTS 1-19
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY MARYLAND
 PLAT REFERENCE: 11408
 SHEET 2 OF 5

EDS

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 9171 BALTIMORE NATIONAL PIKE, SUITE 100
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2855

STATE OF MARYLAND
 CHARLES J. CROSS, JR.
 REGISTERED PROFESSIONAL LAND SURVEYOR
 No. 10763

[Signature]
 PROFESSIONAL LAND SURVEYOR
 REG. # 10763

10/1/95
 DATE

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 6-1-75
 FINAL LOCATION: 10-17-75
 BOUNDARY SURVEY: _____

SCALE: 1"=60'
 DATE: 10-17-75
 DRAWN BY: BLP
 CHECKED BY: _____
 PROJECT No.: 60841