

5/3/96
FWAL 1-130

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 56537B

A 48998

DISTRICT 5th

DATE 4-3-96

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

DATE SYSTEM APPROVED 5/3/96

INSPECTOR DKS

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION Deer Track LOT 5 ROAD 6752 Cortina Drive

PROPERTY OWNER Jacobsen Homes, LLC Dennis Owla

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 the distribution box 160' from the front lot line, and 50' from the right lot line as seen from Cortina Drive. Run trenches along contour in both directions.

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

PLANS APPROVED BY Glen Savage DATE 2/29/96

COVER NO WORK UNTIL INSPECTED AND APPROVED

vr/

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

LOG. PERMIT SIGNED

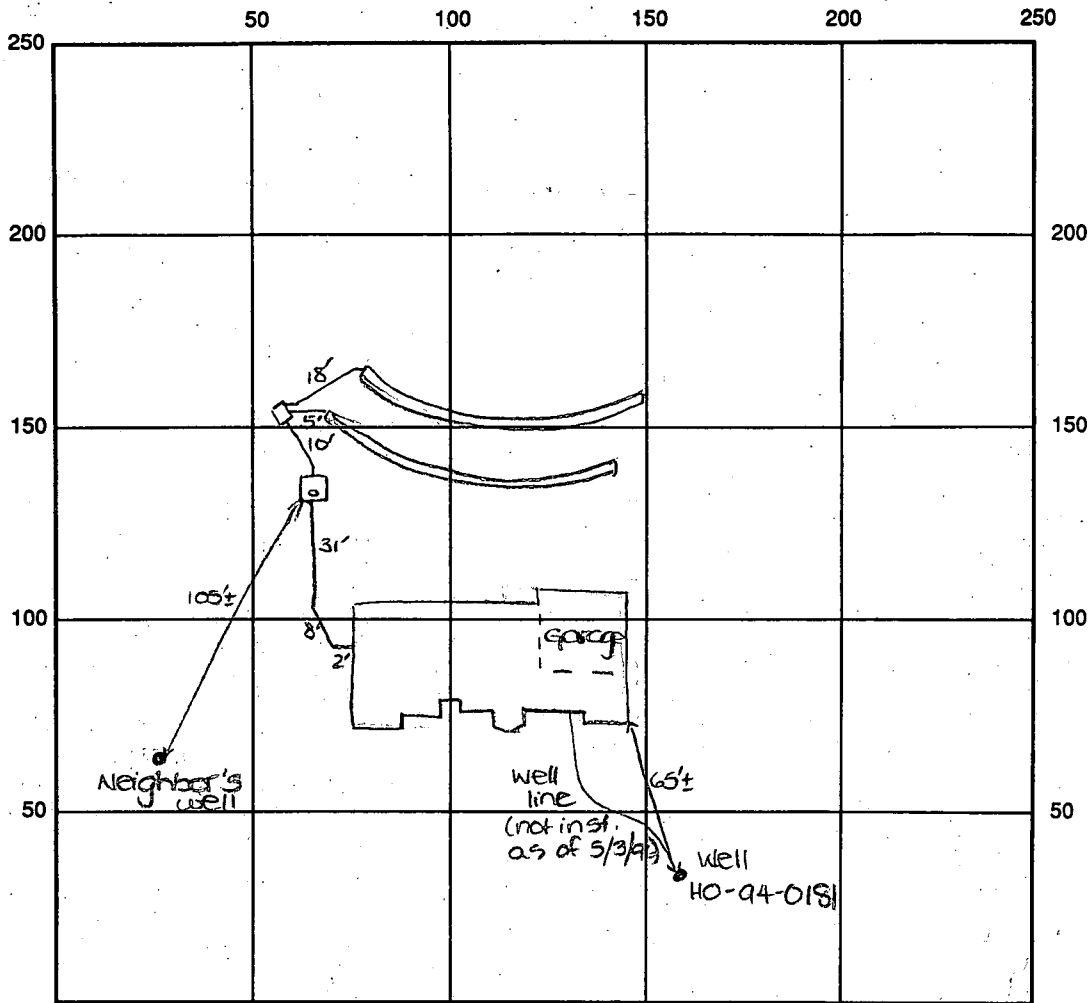
AND RETURNED 3-12-97

Serial # B010 4384

Deck

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

A 48998



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
Cortina Drive

SEPTIC TANK LEVEL OK - 1000gal CLEANOUTS one on s.t.

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 ① 90'
② 90' → 180' total

NUMBER OF TRENCHES 2 ~~ONE SIDEWALL~~ / BOTTOM AREA 540 SQ. FT.

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

ABSORBENT AREA 540 SQ. FT.

REMARKS: 5/3/96 FINAL - OK TO COVER ALL WORK. DKS

DATE SYSTEM APPROVED 5/3/96

INSPECTOR Donald J. [Signature]

APPLICATION

PERCOLATION TESTING

A 48998

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

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. 5

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

TAX MAP 34 PARCEL# 161

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

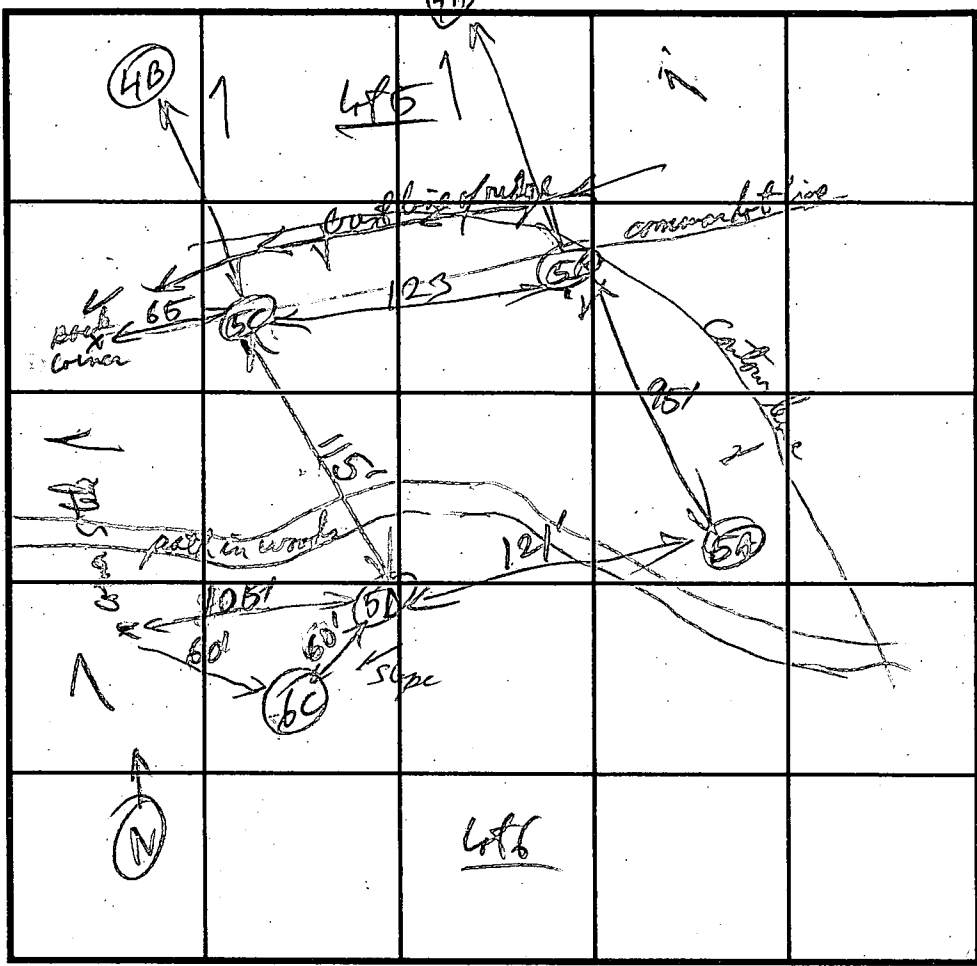
THIS IS NOT A PERMIT

48998 lots

COUNTY #

SOIL PROFILE

0' Nth 5D South
 8F 1/2
 4 1/2
 1/2 12m
 L mic
 4 1/2
 Nix Neutral
 Teny olive drab
 Gray + dk gray
 mica
 5-10%
 mica spores



SOIL PROFILE

0' 5A
 2 1/2
 5-6'
 12 1/2
 olive drab
 + olive drab
 yell brn
 1/2
 5-6'
 12 1/2
 yell brn
 + red brn
 mica
 20% v. sand
 mica spores
 to bottom

on 5/4
 lot border 5C
 3
 4 1/2
 12'
 red brn
 to red orange
 SL micaceous
 red & SL
 red brn
 v. micaceous
 co SL
 - 6
 20%
 small
 cotton
 mica
 spores

5B
 2 3'
 4-6'
 12'
 Mixed Brn
 brown -
 yell brn AL
 Mixed red & yellow
 mica brown
 widely mixed
 dark olive
 Brn & red
 blk brn
 brown
 and 15-25%
 mica spores
 in walls
 in pockets

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	5D	5 1/2'	2:47:50	2:49:50	2:49:50	2:53:20	3 1/2 min
		9 1/2'	2:47:00	2:50:30	2:50:30	2:54:30	4 min
		V 12'	OK very depth				
	5C	5'	3:05:20	3:07:30	3:07:30	3:10:30	3 min
		9'	3:04:25	3:09:00	3:09:00	3:15:00	6 min
		V 12'	OK very depth				
	5B	6'	3:26:10	3:27:40	3:32:40	3:35:10	2 1/2 min
		9'	3:25:50	3:32:30	3:32:30	3:48:00	17 min
		V 12'					
	5A	4 1/2'	3:47:00	3:54:40	3:54:40	3:58:50	4 min
		9'	3:47:40	3:49:40	3:49:40	3:51:50	2 min
		V 12 1/2'	OK below 15 1/2'				

REMARKS _____
 TYPE OF SOIL muon - 6 sand
 TESTED BY [Signature] ALSO PRESENT [Signature]
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 6 min TRENCH WIDTH _____
 INLET DEPTH 5 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM _____

C1 4539

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 48998

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received grid

DATE WELL COMPLETED 10/29/94

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. HO-99-0180

OWNER: Carmen Assoc last name Cortina Dr first name TOWN: Highland SUBDIVISION: Deer Track SECTION: LOT: 5

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes entries for SAND and GRAY MICHA ROCK.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD

Diagram for casing types, MAIN CASING TYPE (SH), Nominal diameter (6), Total depth (99).

OTHER CASING (if used)

Table for OTHER CASING with columns: diameter, depth (feet).

SCREEN RECORD

Diagram for screen type, SCREEN RECORD (ST, BR, HO, PL, OT).

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

WELL HYDROFRACTURED (Y/N)

- 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...

DRILLERS IDENT. NO. 24, DRILLERS SIGNATURE (Must match signature on application)

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

DEPTH (nearest ft.)

Table for depth measurements with columns for different casing sections.

SLOT SIZE, DIAMETER OF SCREEN (NEAREST INCH)

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER), TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C 3

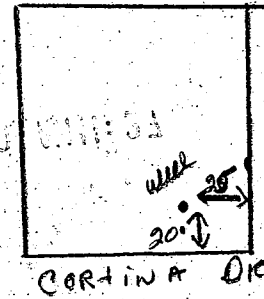
PUMPING TEST

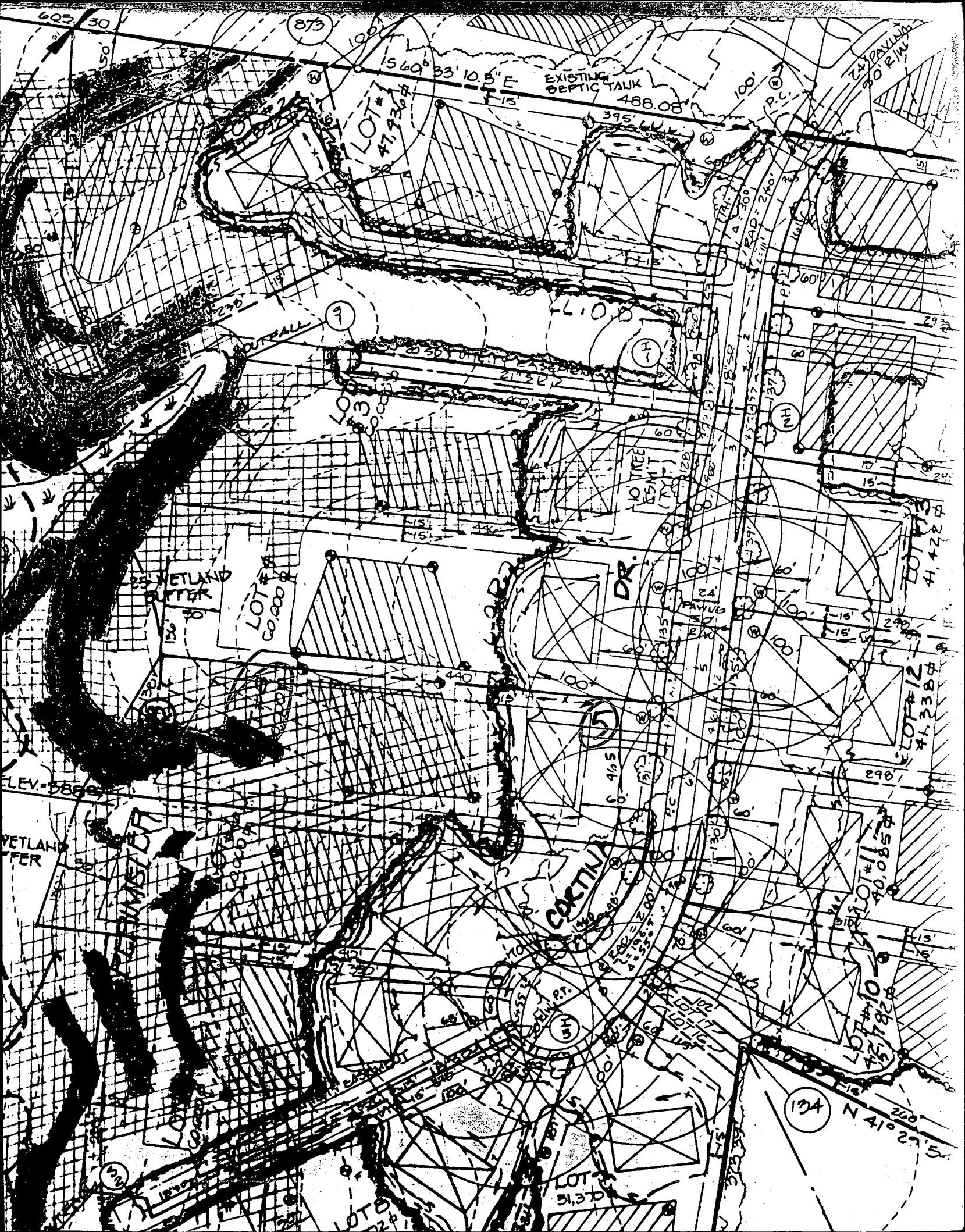
HOURS PUMPED (nearest hour) 6, PUMPING RATE (gal. per min. to nearest gal.) 1, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 36, WHEN PUMPING 332, TYPE OF PUMP USED (for test) S submersible.

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, PUMP HORSE POWER, PUMP COLUMN LENGTH, GASING HEIGHT (circle appropriate box and enter casing height) (+) above, (-) below LAND SURFACE 2 (nearest foot).

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)





605/30

873

560° 33' 10.5" E
EXISTING SEPTIC TANK
488.08'

LOT #1
47,930 sq ft

9

OUTFALL

WETLAND BUFFER

LOT #2
60,000 sq ft

DR.

CORTINA

LOT #10
43,792 sq ft

LOT #12
41,338 sq ft

134

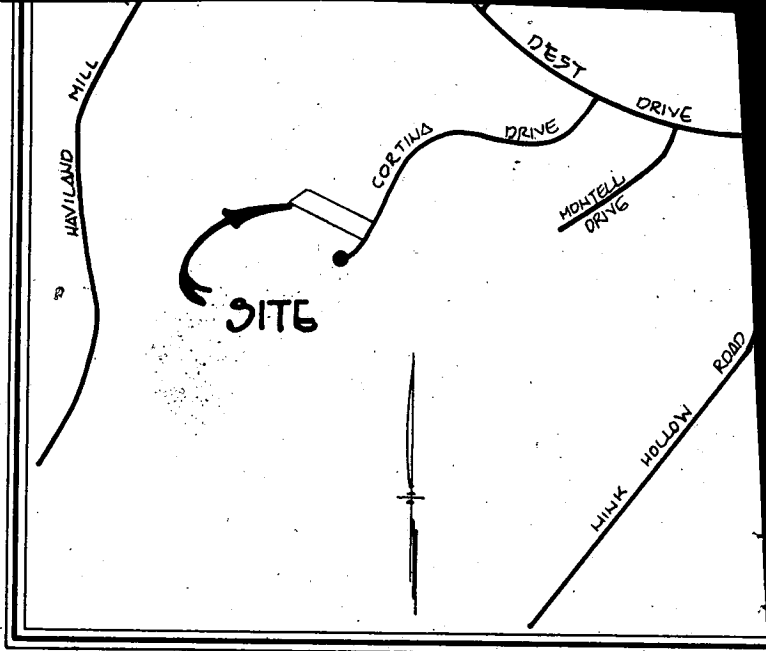
N 41° 29' 5"

Approved Septic System Plan
Howard County Health Department

[Signature]
Signature

2/29/96
Date

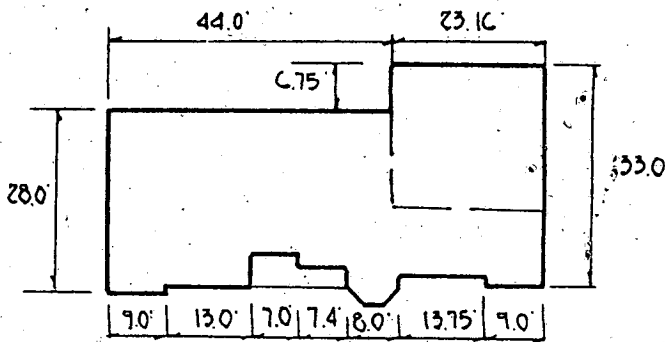
PRIVATE SEWERAGE DISPOSAL
EASEMENT



VICINITY MAP
SCALE: 1"=2200'

GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK
3. A. FIRST FLOOR ELEVATION: 466.5
B. BASEMENT ELEVATION: 457.5
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 453.3
D. INVERT IN AT SEPTIC TANK: 452.8
E. INVERT OUT AT SEPTIC TANK: 452.5
F. PROPOSED GRADE OVER SEPTIC TANK: 458.0
G. INVERT AT DISTRIBUTION BOX: 452.0
H. EXISTING GROUND OVER DISTRIBUTION BOX: 455.0
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.



OWCA RESIDENCE
NOT TO SCALE

2/29/96
MR JACOBSON (OWNER/BUILDER)
REPORTS THIS IS A FIELD LOCATED
WELL.

CORTINA DRIVE
50' R/W

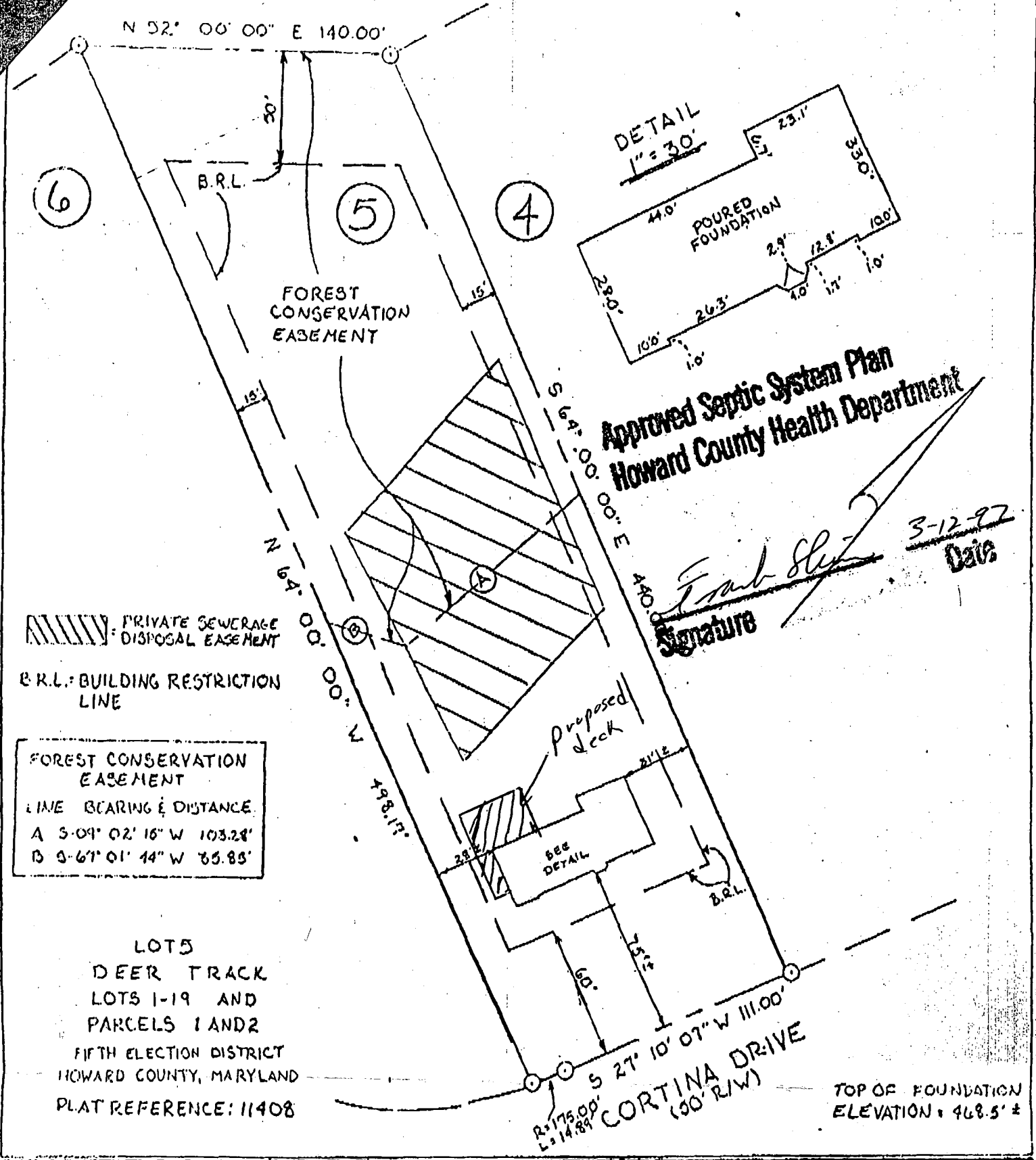
PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT
DEER TRACK
LOT 5

TAX MAP 34, PARCEL 129, TAX MAP 40 PARCEL 32 AND TAX MAP 40 PARCEL 161
FIFTH ELECTION DIST.
SCALE: 1" = 50'
HOWARD COUNTY, MARYLAND
DATE: FEBRUARY 13, 1996

GP 9694

FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM
 BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE
 MORTGAGE, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS
 PLAT IS FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR
 THE LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
 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.
 THE PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE
 MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044 0072-B, EFFECTIVE
12/1/86.

SETBACKS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1/8" OR MINUS (0).



PRIVATE SEWERAGE DISPOSAL EASEMENT

B.R.L.: BUILDING RESTRICTION LINE

FOREST CONSERVATION EASEMENT
 LINE BEARING & DISTANCE
 A S 09° 02' 16" W 103.28'
 B S 61° 01' 44" W 85.85'

LOTS
 DEER TRACK
 LOTS 1-19 AND
 PARCELS 1 AND 2
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 PLAT REFERENCE: 11408

Approved Septic System Plan
 Howard County Health Department

Emb. Sluts
 Signature
 3-12-97
 Date

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTONIAL SQUARE OFFICE PARK - 1027E BALTIMORE NATIONAL FREE
 ELLICOTT CITY, MARYLAND 21042
 (410) 481-2255



Charles J. Crowder, Sr.
 PROFESSIONAL LAND SURVEYOR DATE 3/15/96

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 3-15-97
 FINAL LOCATION:
 BOUNDARY SURVEY:

SCALE: 1"=60'
 DATE: 3-18-96
 DRAWN BY: WEL
 CHECKED BY: MLR
 PROJECT No.: 60841