

1/30/95
2/30/95
3/1/95
4/27/95
10 AM
2-20
2/1/95
OTO 10:00 AM

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Needs 1/30 P.C.O. connection
House connection
P 50459A
A 48997

DISTRICT 5th

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933 313-2640

DATE 12/27/94

DATE SYSTEM APPROVED 4/27/95

INSPECTOR DKS

INDEXED

Paul Schissler/ South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road PHONE 875-4197

SUBDIVISION Deer Track LOT 4 ROAD 6748 Cortina Drive

PROPERTY OWNER Garman Associates KAREN LAWRENCE

ADDRESS BUILDING PERMIT SIGNED

SEPTIC TANK CAPACITY 1250 GALLONS AND RETURNED

NUMBER OF BEDROOMS 4 4-2804 BOO 147396-2 STORY

210 SQUARE FEET PER BEDROOM ADDITIONAL SERIAL # 61168 - deck

LINEAR FEET OF TRENCH REQUIRED 280 BLDG. PERMIT SIGNED

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe. AND RETURNED 7-9-95

LOCATION - Place distribution box 70 feet down the right lot line (446.00') and 70 feet off that same lot line when facing the lot from Cortina Drive. Run trenches on contour in both directions toward the right and left lot lines. Serial # 61168 - deck

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 11/14/94 DKS Serial # 6112823 - deck

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

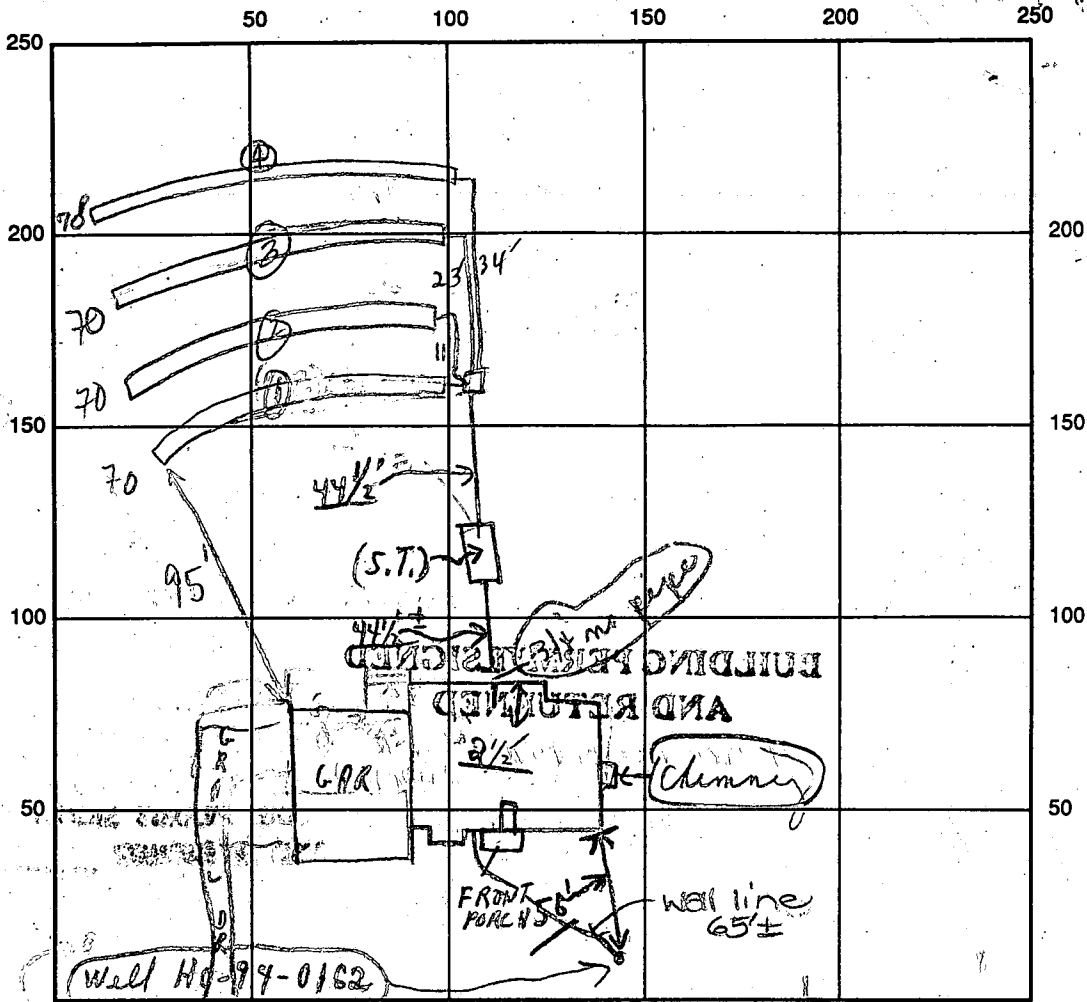
PERMIT VOID AFTER TWO YEARS

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. BLDG. PERMIT SIGNED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES AND RETURNED 5-28-97

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

Addition - Deck
BLDG. PERMIT SIGNED
AND RETURNED 6-7-96
Serial # BOO00396
BLDG. PERMIT SIGNED
AND RETURNED 5-28-97
Serial # BOO105918
shd.
A 48997



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

CORTINA DRIVE

SEPTIC TANK LEVEL (1250) OK CLEANOUTS S.T. OK

DISTRIBUTION BOX LEVEL OK (Baffles)

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 280'

NUMBER OF TRENCHES 4 BOTTOM AREA 840 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 840 SQ. FT.

REMARKS: Partial P.M. 1/30/95 NO HOUSE CONNECTION - 3/4" NO PIPE, NO TRENCHES
046' OK TO COVER 1' of home to dist. note only. CRD (left card)
4/31/95 OK TO CONTINUE - GARAGE LAYOUT MODIFIED FROM PLAN
(GARAGE STEPPED FORWARD OF HOUSE, NOT REARWARD) MR
2/1/95 OK to cover septic work. Needs house connection. DKS
1/30 No W.P.I. - CRACKED CAP (WELL) 2/1/95 WPI OK - 4.5' below grade. DKS

DATE SYSTEM APPROVED 4/27/95 INSPECTOR [Signature]

4/27/95 house connection OK - verified by observing
running water from house into septic tank. DKS

APPLICATION

PERCOLATION TESTING

A 48997

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 *CARMAN ASSOCIATES*
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. 4

ROAD AND DESCRIPTION Extension of Cortina Drive off Villa D'est Drive
(6748 Cortina 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 # 56972 - 4 Bemo
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. *Zacharin 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

48997 684

COUNTY #

SOIL PROFILE

Hole 4A

Red Brn
ht-cl

0'

3'

Deep Red
Red Purple
V. micaceous

Loam
to SL

5% mica
10% mica
Rock

12 1/2'

4B

4B Brn
(5YR)

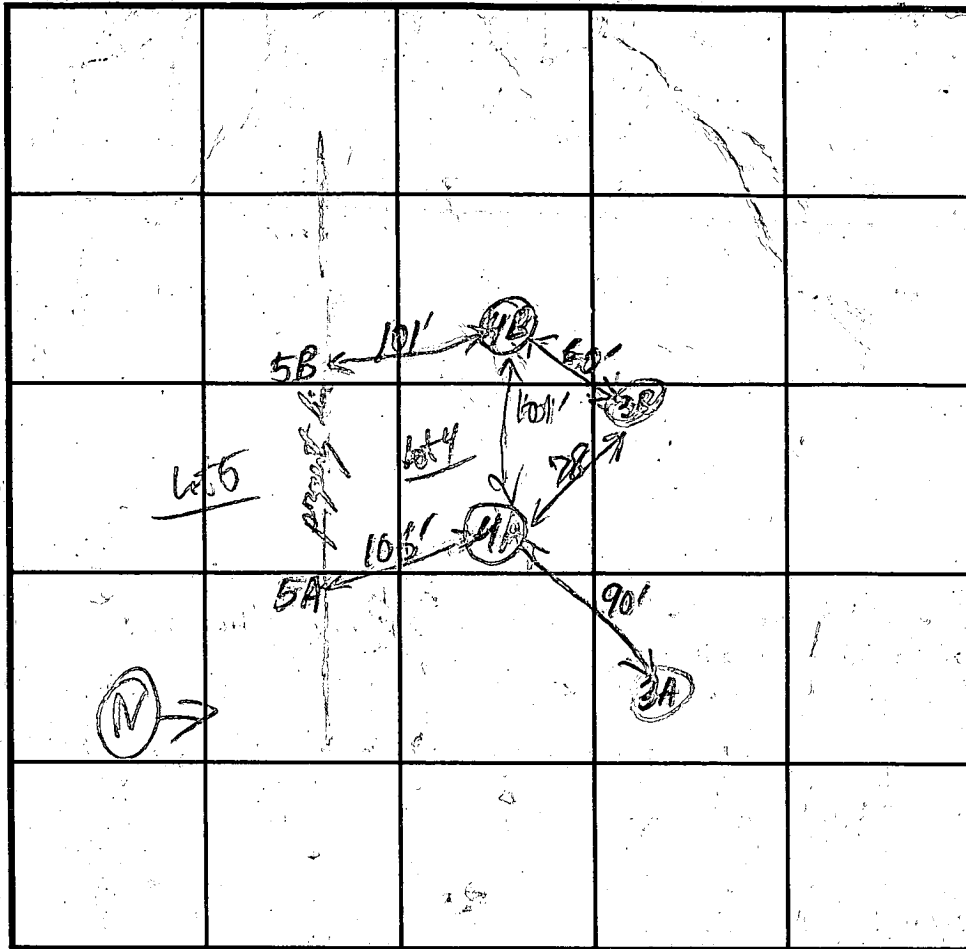
hl-sil

3-4'

Brn
lt Red Brn
Mica loam

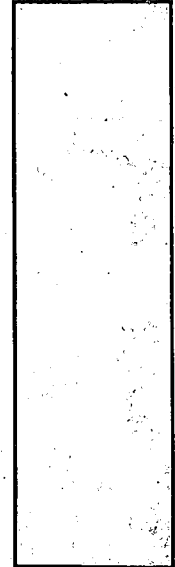
15-20%
Mica Shales
to 12 1/2'

12 1/2'



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		
4/15/92	5A	v 12 1/2 4 1/2	Test results on lot 15					To 5 min
		9'					2 min	
	5B	v 12 6					2 1/2 min	
		9'					17 min	
4/16/93	4A	4 1/2	10:40:30	10:42:30	10:42:30	10:45:15	3 min	
		8'	10:39:30	10:41:30	10:41:30	10:47:30	6 min	
		v 12 1/2						
	4B	5 1/2'	10:25:00	10:40:00	10:40:00	10:55:00	15 min	
		9'	10:24:30	10:29:00	10:27:00	10:30:40	3 1/2 min	
		v 12 1/2						

REMARKS recommended shallow system because of faster percolation where Mica Shales > 15%

TYPE OF SOIL Mozart loams Tested before rain became Scorias.

TESTED BY R. J. [unclear] ALSO PRESENT Phil Address

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7 min TRENCH WIDTH 3 (9)

INLET DEPTH 9 MAXIMUM BOTTOM DEPTH 5 1/2' SQ. FT./BEDROOM

B 1 06869

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-0162 fill in this form completely

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

Date Received (APA)

080194

OWNER INFORMATION

CHARMAN #550 CVATES Last Name Owner First Name
BOKYPP Street or RFD
ELLFFFA CITYMDVYDVA Town 70 State 72 Zip 76

DRILLER INFORMATION

Joseph L. MAYNE Driller's Name 24 License No. 87
Joseph L. Mayne Well Drilling Firm Name
5512 Ridge RD. N.H. Airy 2171 Address
Joseph Mayne 8/1/94 Signature Date

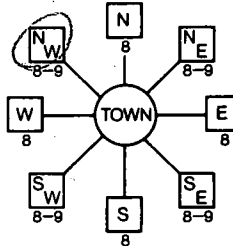
B 3

LOCATION OF WELL

HOWARD COUNTY DEER TRACK SUBDIVISION SECTION 44 46 LOT 48 50
HIGHLAND NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) 2 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



CORTINA DRIVE NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



30 30 37 DISTANCE FROM ROAD ENTER 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)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME A 4877 COUNTY NO.
STATE SIGNATURE DATE ISSUED 082694 INSERT S 41
8/26/94 EXP. DATE
NORTH GRID 472000 EAST GRID 0804000

APPROXIMATE DEPTH OF WELL 265 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

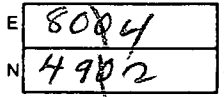
METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary Drive-POINT
other

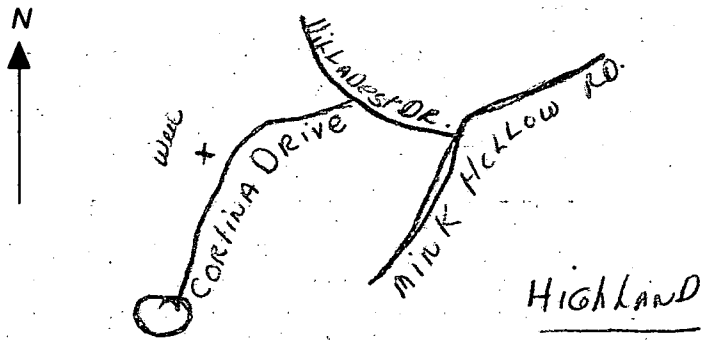
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

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



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 DEEPEMED 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)

APPROX. PERMIT NUMBER GAP

FORCE INITIALS IN BOX PERMIT No. HO-94-0162

SPECIAL CONDITIONS

SEQUENCE NO. (DENY USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER

A 48997

NUMBERS TO BE PUNCHED (ES. 3-6 ON ALL CARDS)

NO. USE ONLY Received

DATE WELL COMPLETED

090994

Depth of Well

420 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

HA-94-0162

OWNER: Carma Associates; STREET OR RFD: last name Cortina Dr, first name Highland; TOWN: Highland; SUBDIVISION: Deer Track; SECTION: ; LOT: 4

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 handwritten entries: SAND (0-83), GRAY MICA Rock (83-420).

GROUTING RECORD: WELL HAS BEEN GROUTED (Y); TYPE OF GROUTING MATERIAL: CEMENT BENTONITE CLAY (CM); NO. OF BAGS: 23; NO. OF POUNDS: 2162; GALLONS OF WATER: 138; DEPTH OF GROUT SEAL: from 0 to 72 ft.

CASING RECORD: casing types insert appropriate code below. Codes: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER).

MAIN CASING TYPE: SH (STEEL); Nominal diameter top (main) casing: 6 inch; Total depth of main casing: 89 feet.

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

SCREEN RECORD: screen type or open hole insert appropriate code below. Codes: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

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

WELL HYDROFRACTURED: YES (Y) or NO (N). Marked NO.

CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED AND SEALED), 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: Joseph L. Mayra; SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

SCREEN RECORD table with columns: E A C H I N G S C R E E N, DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN. Includes handwritten entries: H0 (86-420), H0 (23-36), H0 (38-39).

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

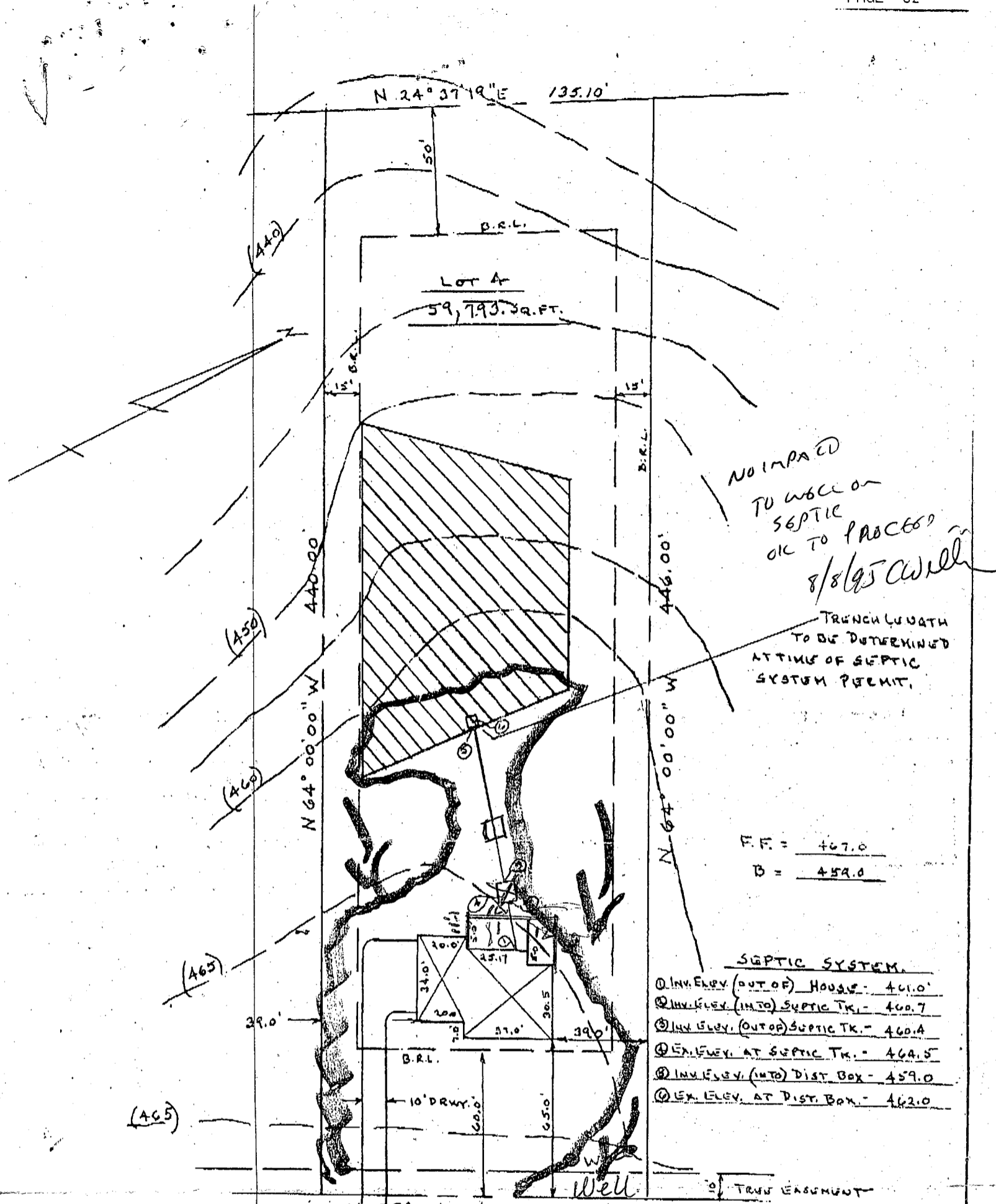
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (TELESCOPE CASING), (E.R.O.S.), LOG INDICATOR, W Q (OTHER DATA).

PUMPING TEST: C 3; HOURS PUMPED: 6; PUMPING RATE: 3-1; METHOD USED TO MEASURE PUMPING RATE: Bucket; WATER LEVEL: 25; WHEN PUMPING: 325; TYPE OF PUMP USED: S (submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO); 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; CASING HEIGHT: 3 (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).

See attached well location. CORTINA DR.



PLAT REF: DEER TRACK
 LOTS 1-19 AND PARCELS LAND 2
 TAX MAP 34, PARCEL 129
 TAX MAP 40, PARCEL 32
 TAX MAP 40, PARCEL 161.
 ZONING: RR-D50

Gen. Tract 6748
 6051.01

LOT PLAN
 LOT 4 - DEER TRACK
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 GRANT. 20. ZONING 34
 R.R.

Certified Location Surveyors, Inc.
 3209 Corporate Court
 Ellicott City, MD 21042
 Offc.: (410) 461-8907

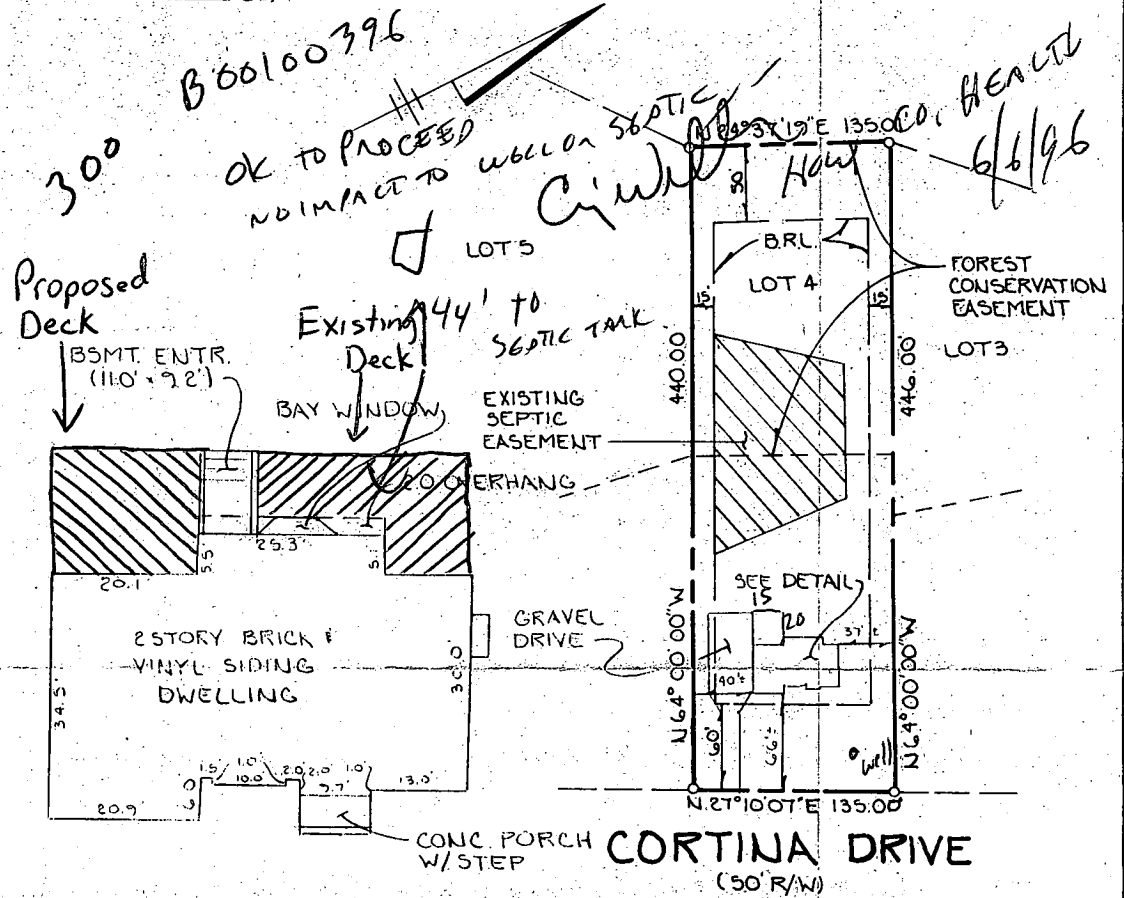
DATE: 9-20-94 SCALE: 1" = 50' FILE: 94381

ok
to

GENERAL NOTES:

6748 Cortina Dr

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. 2400440032B, EFFECTIVE DATE: DECEMBER 4, 1986.



LOT 4
 "DEER TRACK"
 LOTS 1-194 PARCEL 1 & 2
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MD
 PLAT REFERENCE: 11408

BRL - BUILDING RESTRICTION LINE

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
 TERRELL A. FISHER
 NO. 10692
 REGISTERED
 PROFESSIONAL LAND SURVEYOR

Terrell A. Fisher 4/27/95
 PROFESSIONAL LAND SURVEYOR DATE
 REG. # 10692

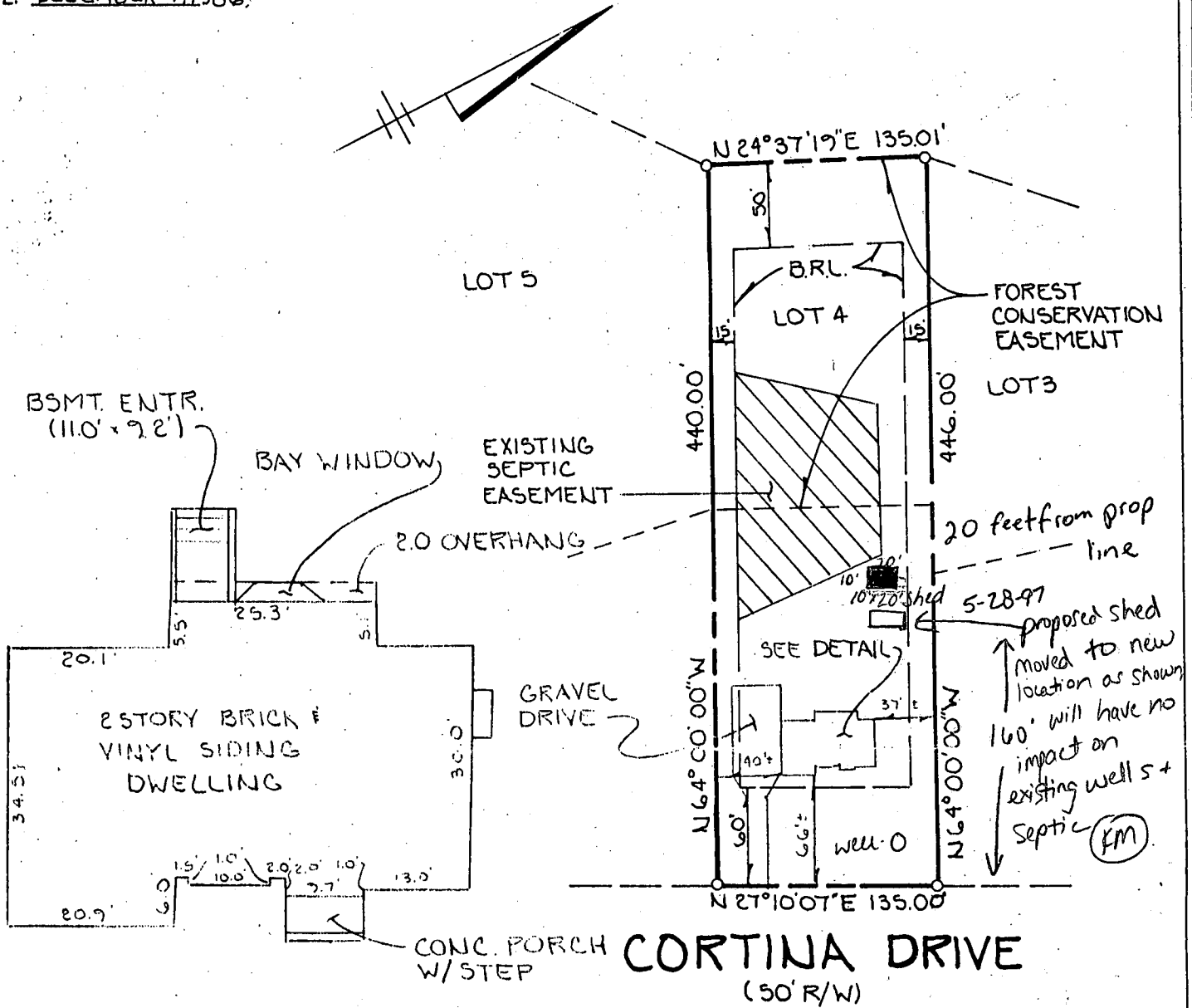
HOUSE LOCATION DRAWING

FOUNDATION LOCATION:
 FINAL LOCATION: 4-27-95
 BOUNDARY SURVEY:

SCALE: 1" = 100'
 DATE: 4-27-95
 DRAWN BY: FJM
 CHECKED BY: W.K.F.
 PROJECT No.: G0841

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. 2400440032B, EFFECTIVE DATE: DECEMBER 4, 1986.



LOT 4
 "DEER TRACK"
 LOTS 1-19 & PARCEL 1 & 2
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MD
 PLAT REFERENCE: #11408

BRL - BUILDING RESTRICTION LINE

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
 TERRELL A. FISHER
 PROFESSIONAL LAND SURVEYOR
 NO. 10692
 REGISTERED

Terrell A. Fisher 4/27/95
 PROFESSIONAL LAND SURVEYOR DATE
 REG. # 10692

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: _____
 FINAL LOCATION: 4-27-95
 BOUNDARY SURVEY: _____

SCALE: 1" = 100'
 DATE: 4-27-95
 DRAWN BY: FJM
 CHECKED BY: W.K.F.
 PROJECT No.: 60841