

7/23/97
1:00
7/29/97
1-2 pm

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXX-XXXX~~ 313-2640

P 58568B

A 49009

DISTRICT 5th

DATE 7/17/97

DATE SYSTEM APPROVED 7-29-97

INSPECTOR KM

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 410-875-4197

SUBDIVISION Deer Track LOT 14 ROAD 6741 Cortina Drive

PROPERTY OWNER Michael & Robin Sterling

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 $4\frac{1}{2}$ feet below original grade. Bottom maximum depth $6\frac{1}{2}$ feet below original grade. Effective area begins at $4\frac{1}{2}$ feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 135 feet from the front lot line and 65 feet off the ~~left~~ right lot line as seen from Cortina Drive. Run trenches along contour towards the right lot line. ~~left~~

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

PLANS APPROVED BY Glen Savage/Mark Rifkin/Amy McMillen *OK* 6/20/97 DATE 05/12/97

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

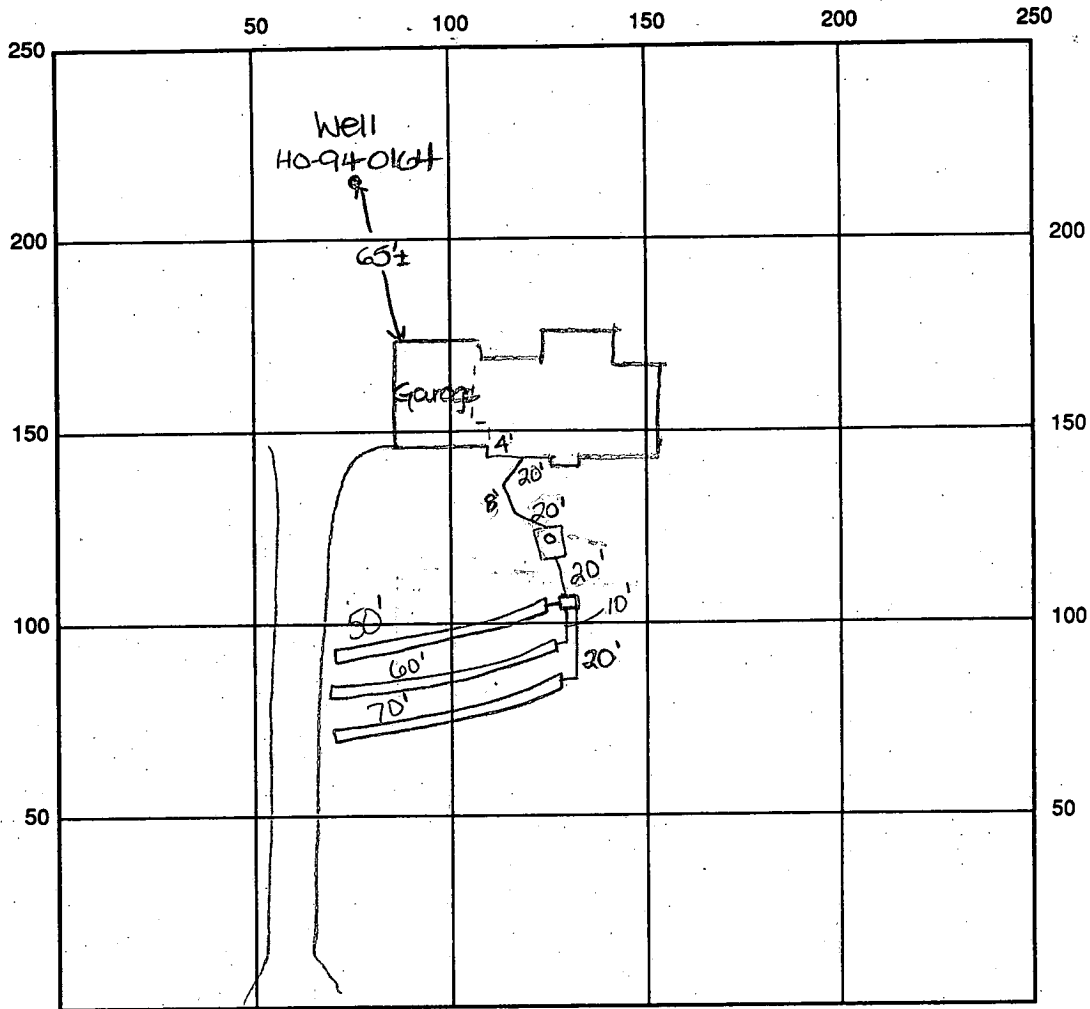
PERMIT VOID AFTER TWO YEARS

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
49009



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Cortina Drive

SEPTIC TANK LEVEL OK CLEANOUTS 1 on tank

DISTRIBUTION BOX LEVEL OK, baffle in

DRAIN FIELD/TITLE DEPTH 6.5 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 4.5 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH $\frac{1 \times 50}{1 \times 60} + \frac{1 \times 70}{1 \times 70}$ FT. \rightarrow 180

NUMBER OF TRENCHES 3 ONE SIDEWALL/~~BOTTOM~~ AREA 540 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 7/28/97 septic layout OK - NO other work done. DKS
7-29-97 ok to cover all work, house connection made, conduit pipe
on well replaced (km)

7/28/97 WPI - well line, P.A. 4' below grade. well casing 2'
above grade; 2-pc cap installed. Conduit pipe to be replaced. DKS

DATE SYSTEM APPROVED 7-29-97 INSPECTOR Kimberly Martin

APPLICATION

PERCOLATION TESTING

A 49109

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 *Michael & Robin Sterling*
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 ~~XXXX~~ DEER TRACK LOT NO. 161 ~~XXXXX~~

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. 3 Br
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED
AND RETURNED 5-12-97**
Serial # B710 9446

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. Fisher (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 _____

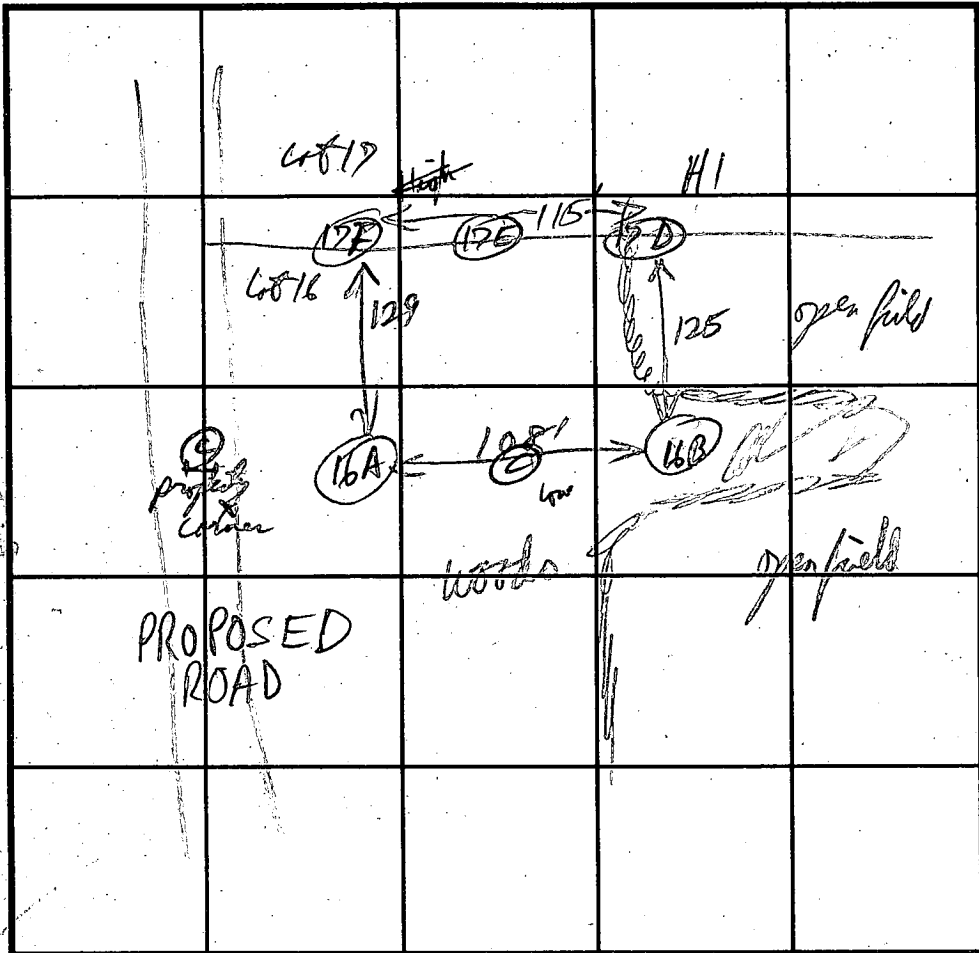
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

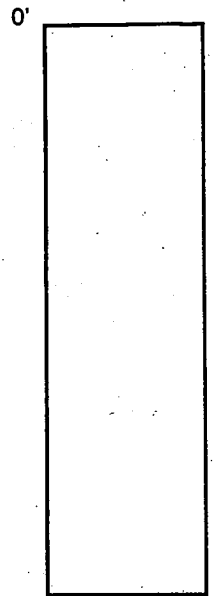
49009
COUNTY#

SOIL-PROFILE

0' (16A)
Stn Br mica cl
2' Red cl
3' olive yel br SL med c-mzd blk m. Moist
6' c-m Blk
11' 1/2
14' SIL-SILL
Hole 16B
2' 3' Stn Br mica
Yel Br U. mica loam
7' Yel Br mica SL U. mica 20 Blk m. Brk mica flags 5% mica separate



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	16A	4 1/2'	2:01:12	2:15:15	2:04:40	2:09:17	Field top OK below 5'
		8'	2:00:50	2:04:40	2:04:40	2:09:17	4 1/2' hole
		14'	No water observed		- Mary Blk / Lt mottled		6-14' ?
	16B	5'	2:19:50	2:22:40	2:22:40	2:25:00	2 min
		9'	2:19:00	2:20:20	2:21:26	2:23:40	2 1/2 min
		12'			2:27:40	2:29:40	3 min
	16C	12'	looks same as Hole 17D				(4) (3)
		13' 5/8'					3 1/2 4
	17E	13'					visually only
	17D	12 1/2'					

REMARKS: Question Hole 16A mottler
 TYPE OF SOIL: _____
 TESTED BY: R. P. [Signature] ALSO PRESENT: _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: 4 min TRENCH WIDTH: _____
 INLET DEPTH: 3 1/2 / 5 1/2 MAXIMUM BOTTOM DEPTH: 7 1/2 SQ. FT./BEDROOM: _____

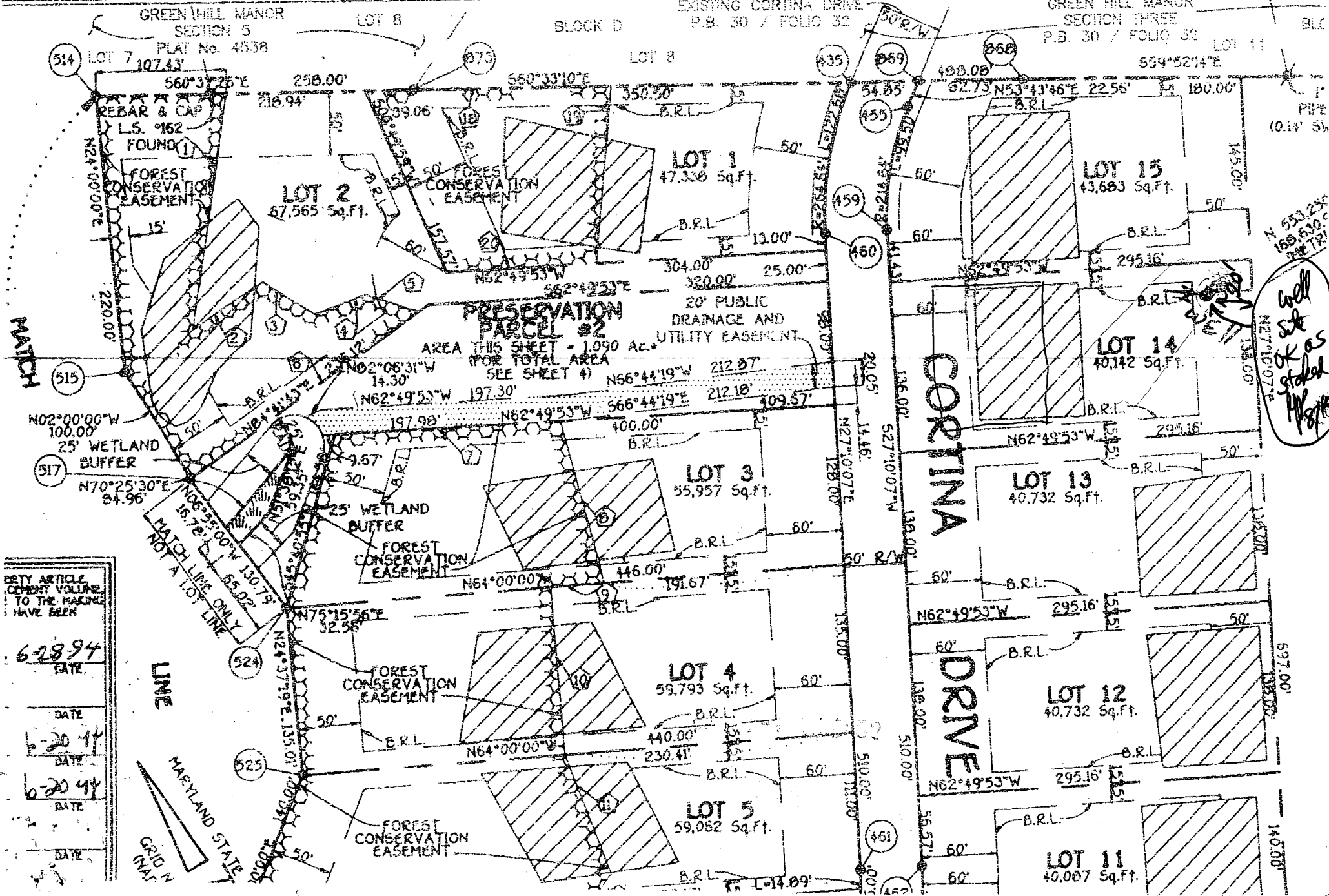
(16C)
Visual OK
(17D)
some Blk mottler in lt color but SL to bottom

THIS
DRAWING
NOT
SIGNED
RECORD
PLAT

GREEN HILL MANOR
SECTION 5
PLAT No. 4538

EXISTING CORTINA DRIVE
P.B. 30 / FOLIO 32

GREEN HILL MANOR
SECTION THREE
P.B. 30 / FOLIO 32



Handwritten note:
Well
at
stake
1/8/2011

PROPERTY ARTICLE
CEMENT VOLUME
TO THE MAKING
HAVE BEEN

6-28-94	DATE
	DATE
6-20-11	DATE
6-20-11	DATE
	DATE

MARYLAND STATE
GRID N

1 **06879** 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
70-99-0164
 70 fill in this form completely 78

Date Received (APA)
080194

OWNER INFORMATION

CHARM V ASSOCIATES
 15 Last Name 34 Owner First Name

BOX 122
 36 Street or RFD 55

ELLCOT F CITY MDP 21044
 57 Town 70 State 72 Zip 76

3 **LOCATION OF WELL**

HOWARD
 8 COUNTY 21

DEER TRACK
 23 SUBDIVISION 42

SECTION 44 46 LOT **14** 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 77 License No. 80 **24**

Joseph L. Mayne Well Drilling
 Firm Name

3512 Ridge RD. Mt. Airy 21771
 Address

Joseph P. Mayne 8/1/94
 Signature Date

4 **CORTINA Drive**
 11 NEAR WHAT ROAD 30

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD **250** FT or MI 34 37
 ENTER FT or MI **FT** 38 39

2 **WELL INFORMATION**

APPROX. PUMPING RATE (GAL. PER MIN.) **5** 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500** 14 20

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 COUNTY NO. **A 49009**

STATE SIGNATURE **Joseph P. Mayne** DATE ISSUED **8/1/94** INSERT S 41

OK 7777 CO SIGNATURE **Joseph P. Mayne** EXP. DATE **8/1/94**

NORTH GRID **492000** EAST GRID **0702000**
 50 55 57 83

APPROXIMATE DEPTH OF WELL **265** FEET 24 28

APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST

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

- Well**
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E **802**
 N **492**

000 000

20-5-94
 10:30 AM
 NO INSP. MR
 10/8

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

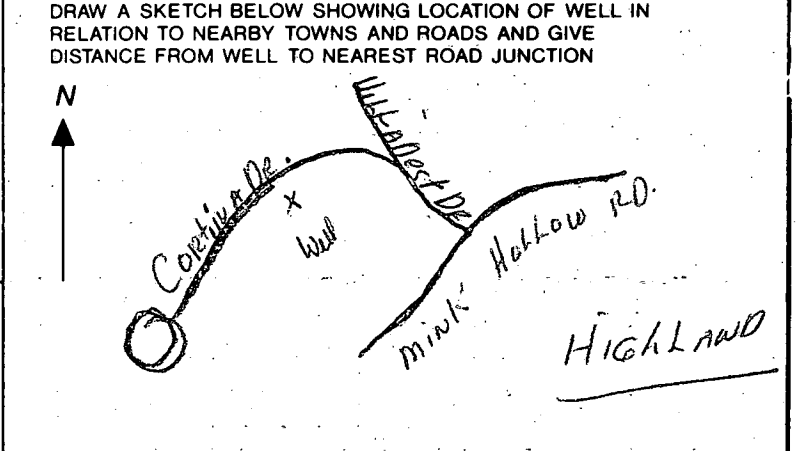
N THIS WELL WILL NOT REPLACE AN EXISTING WELL

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 DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52



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

APPROX. PERMIT NUMBER _____ GAP _____ 54 63

FORCE **RP** WRITE INITIALS IN BOX 67 68 PERMIT No. **70-99-0164** 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

C1 4508

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A49010

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 100594

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM 'PERMIT TO DRILL WELL' 40-99-0764

OWNER Carmen Associates last name Cortina Dr first name TOWN Highland SUBDIVISION Deer Track SECTION LOT 14

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

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 42 ft.

CASING RECORD: casing types insert appropriate code below, MAIN CASING TYPE SF, Nominal diameter 6 inch, Total depth of main casing 50 feet.

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

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

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (N)

CIRCLE APPROPRIATE LETTER: A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED.

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)

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

SCREEN RECORD table with columns: DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN (NEAREST INCH).

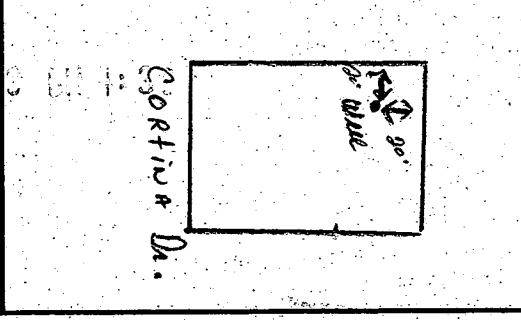
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER), T (E.R.O.S.), W Q (74, 75, 76), TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min. to nearest gal.) 4, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 3.1, WHEN PUMPING 216, TYPE OF PUMP USED (for test) S submersible.

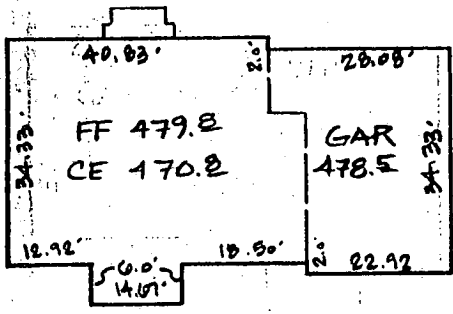
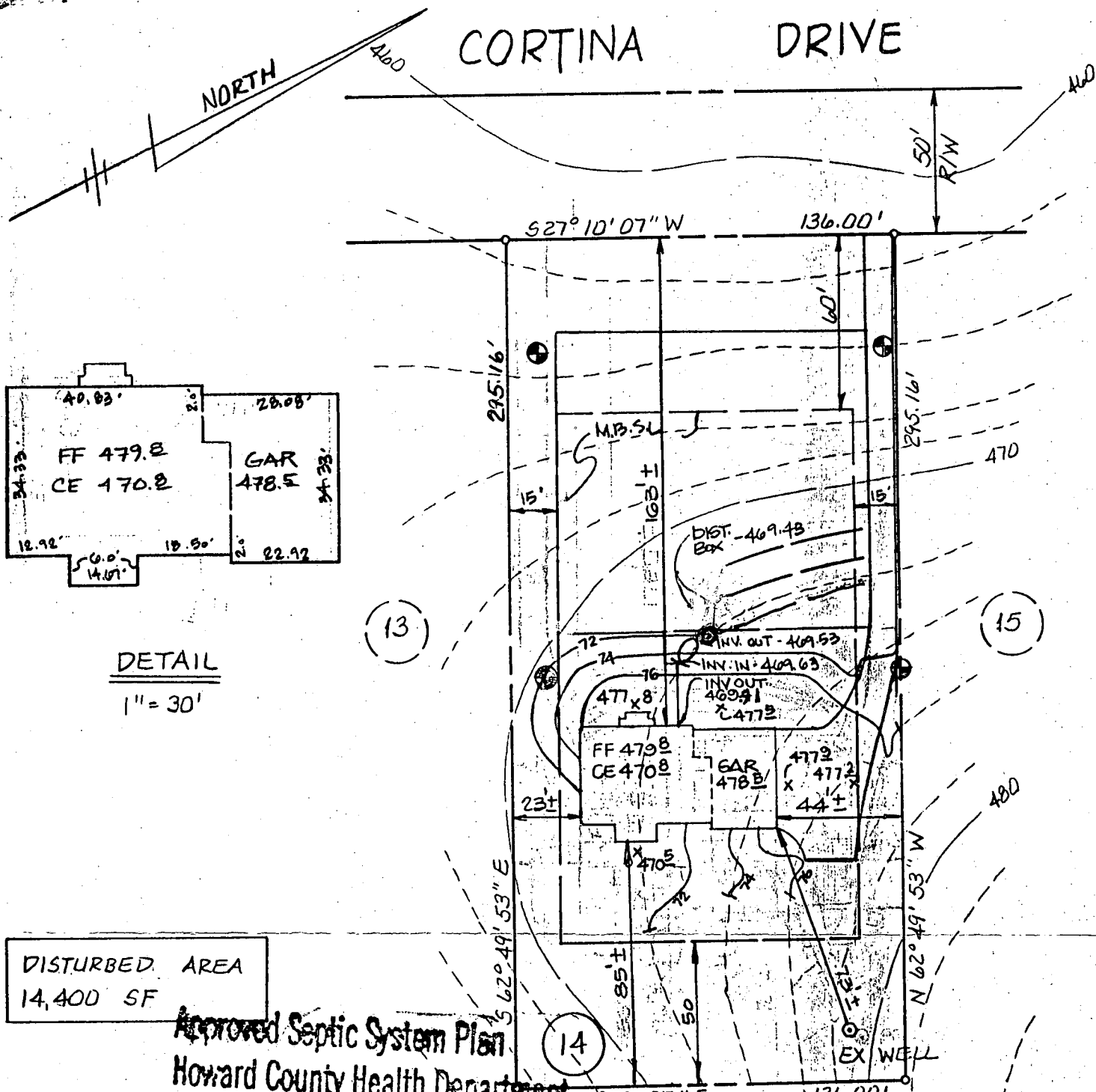
PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon), PUMP HORSE POWER, PUMP COLUMN LENGTH (nearest ft.), CASING HEIGHT (circle appropriate box and enter casing height) (+) above, (-) below, LAND SURFACE (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)



CORTINA DRIVE

NORTH



DETAIL

1" = 30'

DISTURBED AREA
14,400 SF

Approved Septic System Plan
Howard County Health Department

B00104446

[Signature]
Signature

6/29/97
Date

PRESERVATION AREA #1

LOT 14
DEER TRACK
LOTS 1-19 AND
PARCELS 1 AND 2
PLAT - MDR NO 11408
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SHEET 2 OF 5

CONTRACTOR IS TO PROVIDE
POSITIVE DRAINAGE AWAY FROM
FOUNDATION AT ALL TIMES

4 March 97
Date
Ambrose E. Gmeiner II
AMBROSE E. GMEINER II
MD REG NO 20004



SITE PLAN CORTINA DRIVE

McKEE & ASSOCIATES, INC.
CIVIL ENGINEERS • LAND SURVEYORS
5 SHAWAN ROAD HUNT VALLEY, MD 21030
(410) 527-1555

scale:
1" = 50'
date:
REV. 5.20.97
MAR 3, 1997
REV. 4/29/97
job no.:
GAST 153

drawn by
MWG
checked by
BAD