

# PERMIT

P 38948

## SEWAGE DISPOSAL SYSTEM

A 36278

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 3rd

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

# INDEXED

DATE 3/18/89

DATE SYSTEM APPROVED 7-16-87

INSPECTOR S. Abel

David Cabbage

IS PERMITTED TO INSTALL  ALTER

ADDRESS \_\_\_\_\_ PHONE 7258 465-7777

SUBDIVISION Clover Hill ROAD 12581 Clover Hill Dr. LOT 2

PROPERTY OWNER David Cabbage

**BUILDING PERMIT SIGNED  
AND RETURNED**

ADDRESS \_\_\_\_\_

81204 B00149808 - DRM FFO70R

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES  NO \_\_\_\_\_

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 212 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 4 1/2 feet of stone below distribution pipe.

LOCATION - Place 1st trench 430 feet down 588' lot line (beginning from the pipe stem of lot 2 & 3) and 85 feet off the 588' line. Run trenches along contour towards the rear (200') lot line. NOTE: MAINTAIN MINIMUM 100 FEET FROM WELL TO SEPTIC.

NOTE - 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 S. Abel DATE 11/21/86

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.

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES.

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 40 PVC OR ABS.

PERMIT VOID AFTER TWO YEARS.

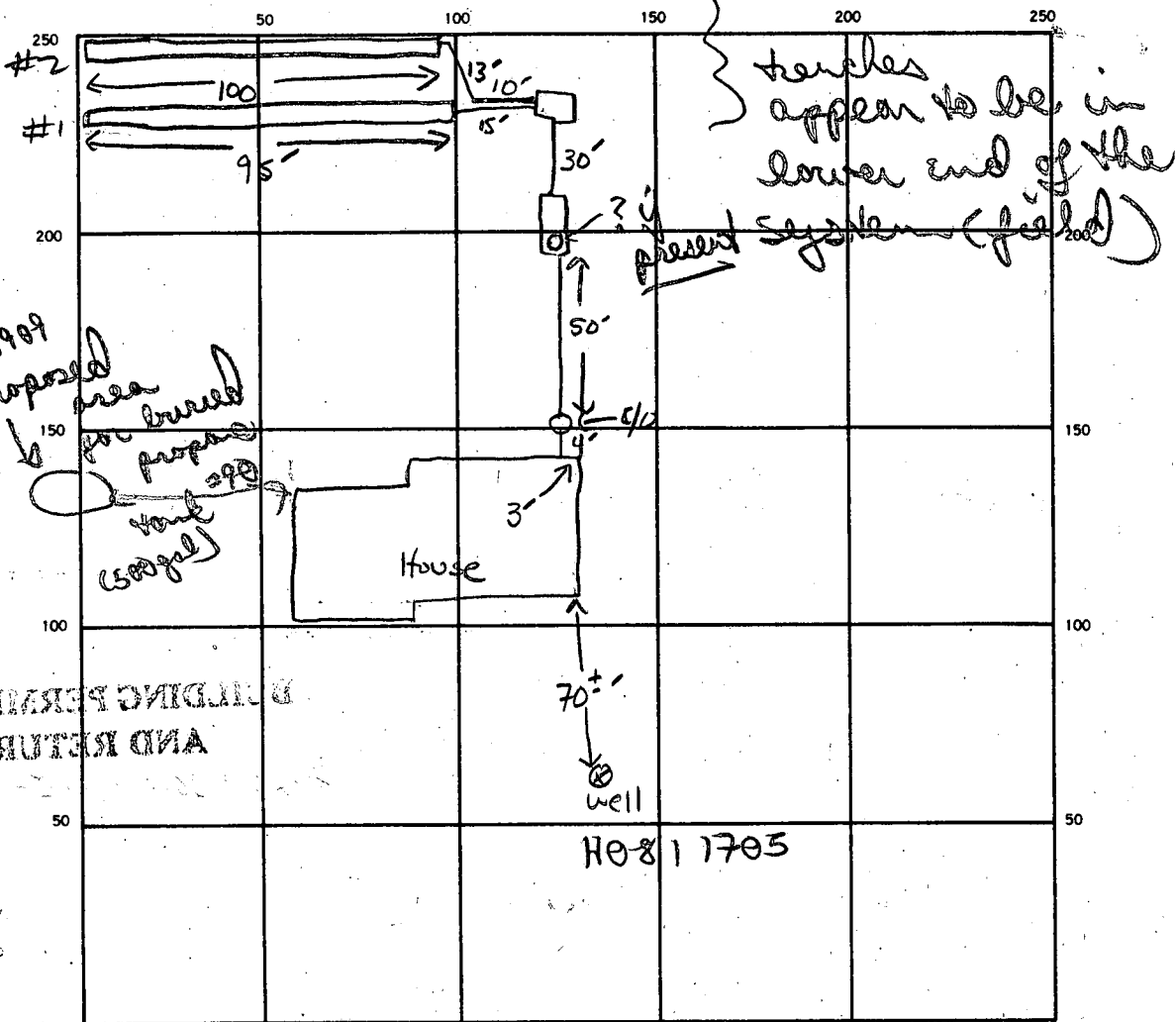
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

**AND RETURNED** 6-17-89  
Serial # B00118623

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

A 36278



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK LEVEL 2000GA1 CLEANOUTS NO St. & TWLINE

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD TILE FIELD. DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 4.5 FT. TOTAL LENGTH 195 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 878 SQ. FT.

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

ABSORBENT AREA 878 SQ. FT.

REMARKS 5/18/87 OK TO LOCK ALL WORK; NEED 1/2 on ST & CALL FOR FINAL ST

5/22/87 either c/o <sup>to septic</sup> not yet installed or it has been covered over  
not approved as yet.

DATE SYSTEM APPROVED 7-16-87

INSPECTOR St. Aho

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330



*PERC field  
changed from  
stakeout area  
12/12/85  
Approved*

A 36278  
P \_\_\_\_\_  
DISTRICT 3 RD  
DATE Nov. 26, 1985

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER West Friendship Joint Venture  
ADDRESS 3560 Ellicott Mills Drive PHONE 465-7777

PROPERTY LOCATION:

SUBDIVISION Clover Hill - Lots 1 thru 9 LOT NO. Lot 2  
ROAD AND DESCRIPTION On Maryland Route 144, 1400' ± S. of Rte 32 (at  
the dead end of existing S.R.C. Service Road)  
SIZE OF LOT 3.00 ± Ac. TYPE BLDG. 3  
(NUMBER OF BEDROOMS)

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. D. P. Smith  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

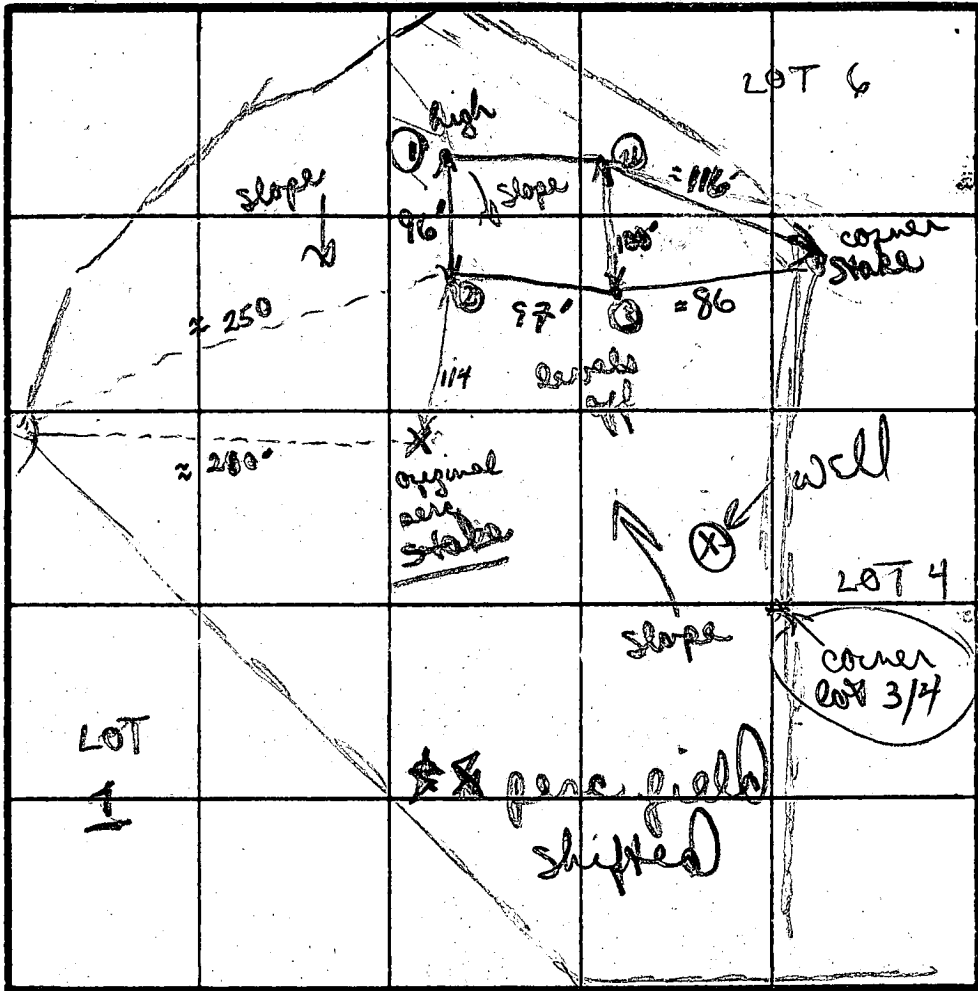
REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# THIS IS NOT A PERMIT

LOT 2



①

SOIL PROFILE

Silty red  
brown clay  
loam  
2 1/2'  
powdery tan  
brown silty  
micaceous  
loam  
10-15%  
med. lge  
structured  
spherulitic  
fragments  
11' deep

uniform

②

uniform  
sandy/silt  
(fine med  
grain)  
loam  
with 5-10%  
small chunky  
structured  
fragments  
to bottom  
(no red clay  
layer)  
10 1/2' deep

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. TO COURT

③

red/brown  
clay (some  
chunky  
loam)  
6'  
silty tan  
powdery  
micaceous  
loam  
40% small  
fragmented  
(2 1/2") loam  
structured  
fragments  
12' deep

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/2/85	①	3' S	1111	1113	1113	1115	2min	
		5 1/2' M	1111	1114	1114	1117	3min	
		11' D	bottom - see profile					
	②	5' M	1115	1121	1121	1128	7min	
		12' D	bottom - see profile					
	③	2 1/2' S	1119	1120	1120	1122	2min	
		10 1/2' D	bottom - see profile					
	④	4 1/2' M	1123	1125	1125	1128	3min	
		11 1/2' D	bottom - see profile					

④

Red/brown  
clay with  
some loam  
tan  
micaceous  
silty/red  
loam  
uniform  
to bottom  
11 1/2' deep

W 1/2' 4' 3"  
#4 12/2/85  
MAX 8' SA  
approved

REMARKS

silty micaceous soil predominantly  
clay heavy only in hole 2, virtually empty  
in #3

TYPE OF SOIL

TESTED BY

B. Nyfon

ALSO PRESENT

Jack/Scott

X 5min  
3 1/2" WET  
15' B. Brown

B 1 5268

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

MD-81-1705

fill in this form completely

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

Date Received

Grid for Date Received

OWNER INFORMATION

Grid for Owner Last Name and First Name

Grid for Street or RFD

Grid for Town, State, and Zip

DRILLER INFORMATION

Grid for Driller's Name and License No.

Grid for Firm Name

Grid for Address

Grid for Signature and Date

WELL INFORMATION

Grid for Approx. Pumping Rate

Grid for Average Daily Quantity Needed

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home, Farming, Industrial, Public or Private Water Company, Test/Observation/monitoring

Grid for Approximate Depth of Well

Grid for Approximate Diameter of Well

METHOD OF DRILLING (circle one)

- Bored, Jetted, Air-Rotary, Cable, etc.

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- Not replace, Replace and seal, Replace and standby, Deepen

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

Grid for Approp. Permit Number

Grid for Force and Permit No.

SPECIAL CONDITIONS

LOCATION OF WELL

Grid for County

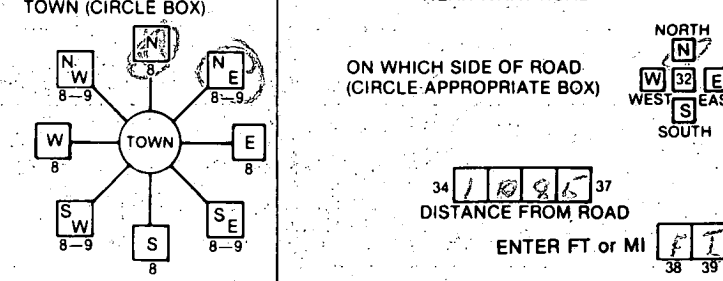
Grid for Subdivision

Grid for Section and Lot

Grid for Nearest Town

Grid for Miles from Town

Grid for Direction of Well from Town



Grid for Near What Road

Grid for On Which Side of Road

Grid for Distance from Road

Grid for Enter Ft or MI

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Grid for County Name and County No.

Grid for OEP Signature and State Health Insert

Grid for Date Issued and Co-Signature

Grid for North and East Grid

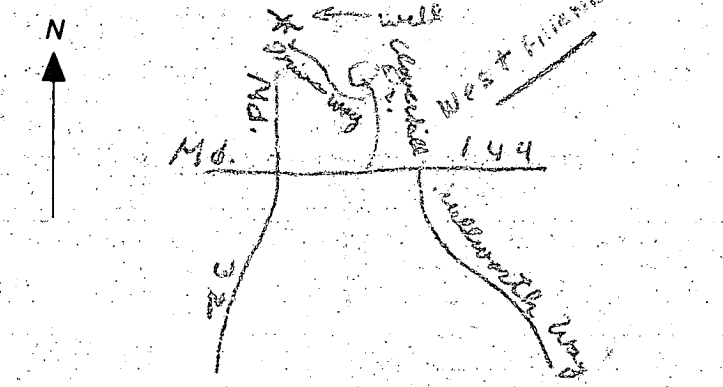
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER: 1. Well 10/30/86, 2., 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

Grid for Box Number

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION.



C1 5337 SEQUENCE NO. (OEP 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 36278

DATE Received [ ] [ ] [ ] [ ] [ ] [ ] DATE WELL COMPLETED 10 30 76  
 Depth of Well 22 340 26 (TO NEAREST FOOT)  
 FROM "PERMIT TO DRILL WELL" NO-81-1705

OWNER CURRAGE ROBERT  
 STREET OR RFD CLOVER HILL DR. first name TOWN WEST FRIENDSHIP  
 SUBDIVISION CLOVER HILLS SECTION [ ] LOT 2

**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	60	
Gray Mich Rock	60	340	✓

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box)  Y  N  
 TYPE OF GROUTING MATERIAL  
 CEMENT  CM BENTONITE CLAY  BC  
 NO. OF BAGS 13 NO. OF POUNDS 1222  
 GALLONS OF WATER 78  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 50 ft.  
 (enter 0 if from surface)

**CASING RECORD**  
 casing types insert appropriate code below  
 ST  CO  
 STEEL CONCRETE  
 PL  OT  
 PLASTIC OTHER  
 MAIN Nominal diameter Total depth  
 CASING top (main) casing of main casing  
 TYPE (nearest inch) (nearest foot)  
 57  6  69  
 60 61 63 64 66 70

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

**SCREEN RECORD**  
 screen type or open hole insert appropriate code below  
 ST  BR  HO  
 STEEL BRASS OPEN HOLE  
 PL  OT  
 PLASTIC OTHER

**C2**  
 DEPTH (nearest ft.)  
 1 HO 67 340  
 8 9 11 15 17 21  
 2 [ ] [ ] [ ] [ ] [ ] [ ]  
 23 24 26 30 32 36  
 3 [ ] [ ] [ ] [ ] [ ] [ ]  
 38 39 41 45 47 51  
 SLOT SIZE 1 2 3  
 DIAMETER OF SCREEN [ ] [ ] [ ] [ ] (NEAREST INCH)  
 56 60

CIRCLE APPROPRIATE LETTER  
 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 10.17.13 "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. 238  
 DRILLERS SIGNATURE [Signature]  
 (MUST MATCH SIGNATURE ON APPLICATION)

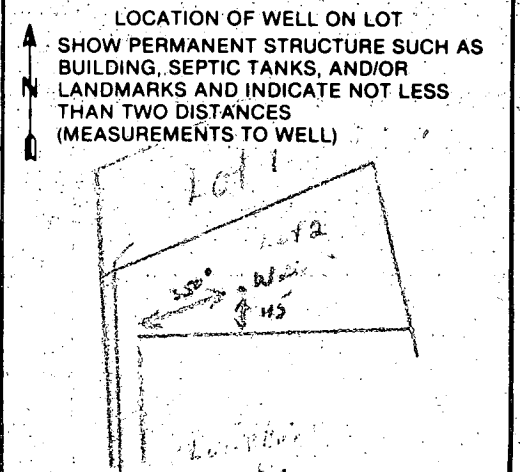
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

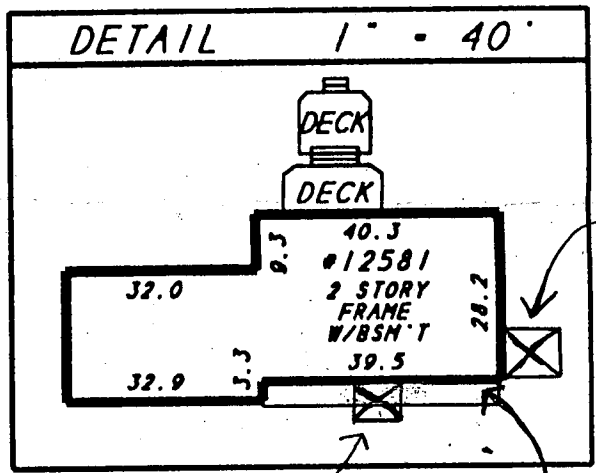
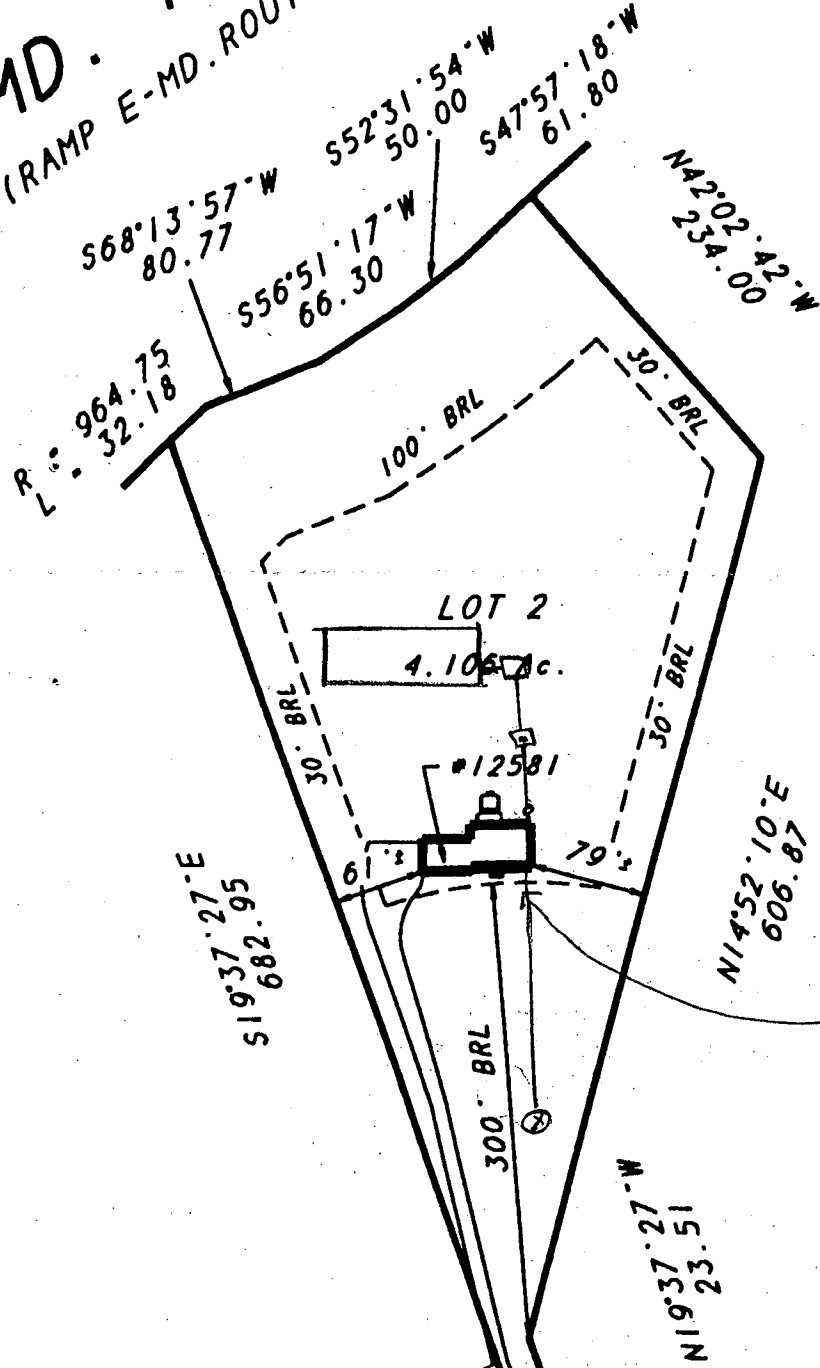
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
 T (E.R.O.S.) WQ  
 70 [ ] 72 [ ] 74 [ ] 75 [ ] 76 [ ]  
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C3**  
**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 290  
 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   
 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 (nearest foot)  
 - below } [ ] [ ] (nearest foot)  
 49 49 50 51



**MD. ROUTE 32**  
 (RAMP E-MD. ROUTE 32 TO 1-70N)

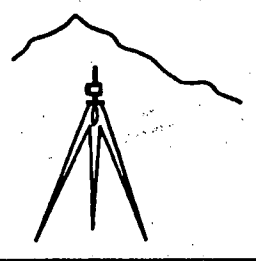


**CLOVERHILL DRIVE**

**APPROVED**  
 WALK-THRU BUILDING PERMIT  
 BP# 149865 A# 36278  
 APP. SAN KN DATE: 8/12/96  
 DESC. OF WORK: Remove old porch & replace new extension of foyer & master bath



**DULEY AND ASSOCIATES, INC.**  
 P.O. BOX 1431  
 UPPER MARLBORO, MD.  
 20773-1431  
 PHONE: 301-888-1111  
 FAX: 301-888-1114



LOCATION SURVEY OF:  
**#12581 CLOVER HILL DRIVE**

LOT 2  
**CLOVER HILL FARM**  
 3RD ELECTION DISTRICT  
 PLAT CMP No 6867  
 HOWARD COUNTY, MD

SCALE 1"=160' DATE: 10/21/96



CASE # 96-07-0374G  
 CUBBAGE  
 FILE # BB963736

**SURVEYOR'S CERTIFICATE**

I HEREBY STATE THAT THE EXISTING VISIBLE IMPROVEMENTS ON THE ABOVE DESCRIBED PROPERTY HAS BEEN CAREFULLY ESTABLISHED BY ACCEPTED METHODS AND THAT THE IMPROVEMENTS APPEAR TO LIE WITHIN FLOOD ZONE C. THIS SURVEY IS NOT TO BE USED OR RELIED UPON FOR THE ESTABLISHMENT OF ANY FENCE, BUILDING, OR OTHER IMPROVEMENTS. THIS PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING. THIS PLAT IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING THE LEVEL OF ACCURACY FOR THIS DRAWING IS 1". NO TITLE REPORT WAS FURNISHED TO NOR DONE BY THIS COMPANY. SAID PROPERTY SUBJECT TO ALL NOTES, RESTRICTIONS AND EASEMENTS OF RECORD. BUILDING RESTRICTION LINES AND EASEMENTS NOT SHOWN ON RECORD PLAT MAY NOT BE SHOWN HEREON.