

3/27/87  
2130  
1.00 ~~any~~

Tax ID 03311449

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 3

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

## INDEXED

DATE 2-5-87

DATE SYSTEM APPROVED 3/27/87

INSPECTOR RH

Paul Schissler

IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER \_\_\_\_\_

ADDRESS 4410 Salem Bottom Road PHONE 875-4197

SUBDIVISION Clover Hill Farm ROAD Clover Hill Drive LOT 9

PROPERTY OWNER Basso & Basso Thomas Rahel

ADDRESS 706 Paradise Avenue

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

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

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

220 SQ FT  
BED ROOM

**TRENCHES.** 220 sq. ft. / bed room  
Trench to be 3 feet wide. Inlet to be 4 1/2 feet below original grade.  
Bottom maximum depth 6 1/2 feet below original grade. Effective area  
begins at 4 1/2 feet below original grade. 2 feet of stone below distribution  
pipe.

**LOCATION.** Shallow system (~~Saprophyte system~~) Place 1st trench 250' down the right  
(905.00') lot line, & 25' off the right line as seen when facing property  
from clover hill dr. Run trenches along contour towards the left (707.73)  
lot line.

**NOTES.** No Trench to exceed 100 feet in length.  
Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank  
and drywell. OK/CW

PLANS APPROVED BY Craig Williams DATE 10-2-86  
~~2-5-87~~

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 **BUILDING PERMIT SIGNED**

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E., TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFIED) **AND RETURNED**

NOTE: IF DEEP TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES. 11-20-03 800-145143-46 LP TANK

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.

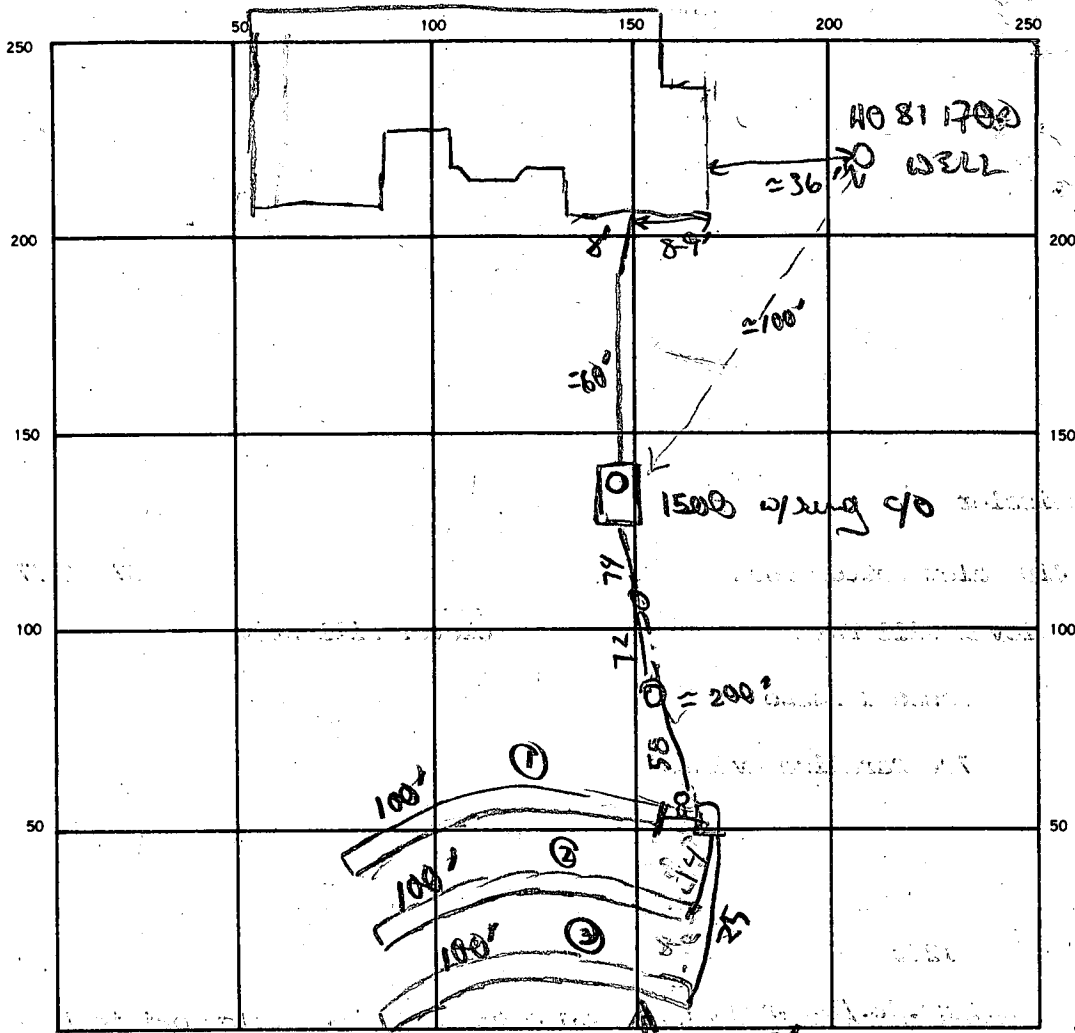
**BLDG. PERMIT SIGNED**  
**AND RETURNED** 4/14/87  
Serial # 11032 - Prod.

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 36285



INDICATE NORTH. NAME ADJOINING ROADWAY CLOVER HILL CT

SEPTIC TANK. LEVEL 1500 gal CLEANOUTS ring 40 220  
4  
880 MIN

DISTRIBUTION BOX. LEVEL OK

DRAIN FIELD/TILE FIELD. DEPTH 6 1/2 + 6 1/2 + 6 1/2 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 1/2 4 1/2 4 1/2 FT.

EFFECTIVE GRAVEL DEPTH 2' 2' 2' FT. TOTAL LENGTH 100 100 100 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 300 x 3 SQ. FT.

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 900 SQ. FT.

REMARKS 3/26/87 OK to cover all three trenches. OK to start tank to dist box connection. (3 40'S needed) 3/27/87 ONLY 2 CLEANOUTS NEEDED MEASURED FINISH IT UP BOX & COVER P/T

DATE SYSTEM APPROVED 3/27/87 INSPECTOR Raymond Hodges

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 36285-

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT 3 RD

DATE Nov. 26, 1985

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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

PROPERTY OWNER West Friendship Joint Venture

ADDRESS 3565 Ellicott Mills Drive PHONE 465-7777

PROPERTY LOCATION:

SUBDIVISION Clover Hill - Lots 1 thru 9 LOT NO. lot 9

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. Rush

(SIGNATURE OF APPLICANT)

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

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

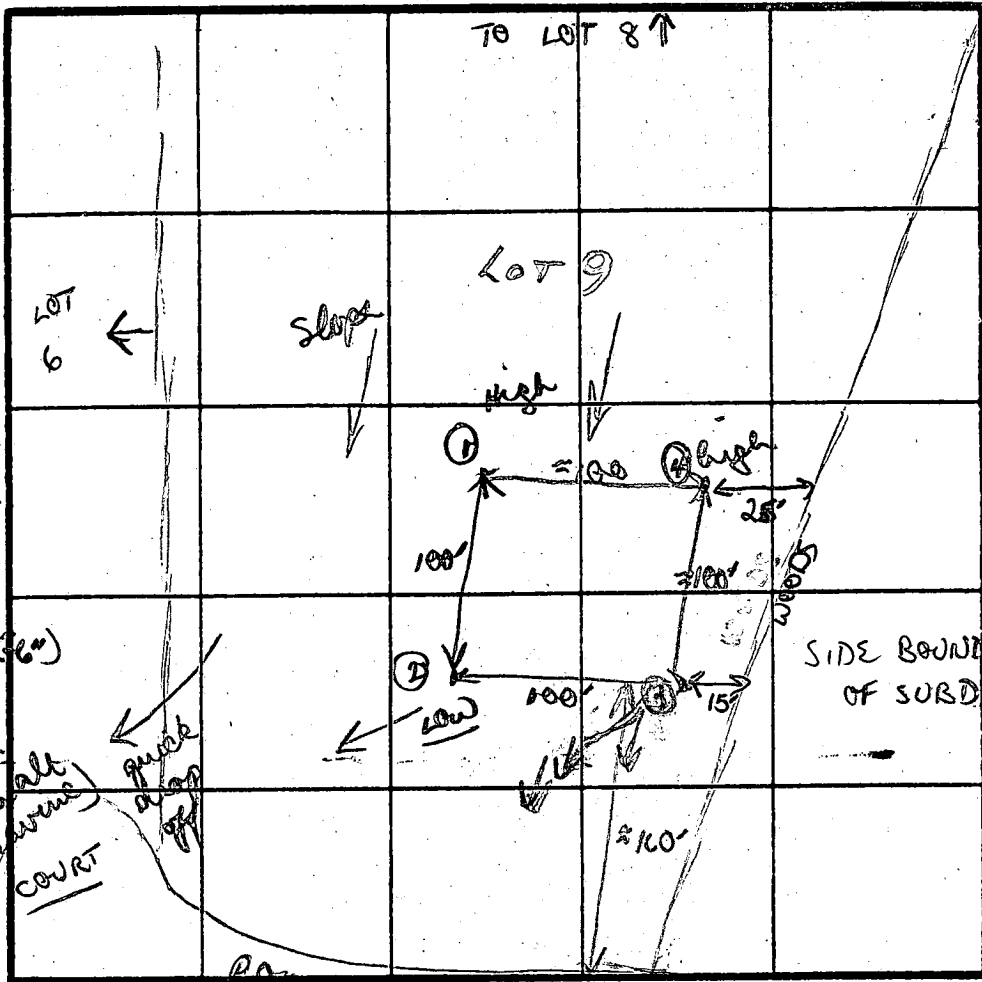
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

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

# THIS IS NOT A PERMIT

SOIL PROFILE

Red/brown clay mixed with med/silty loam  
 3-4 (med) silty/clay loam with small to large micaceous structural saprolite fragments (2-6") (20%) fairly uniform to bottom  
 12' bottom small (wavy) COURT



Small/med grain sandy loam (small clay content)  
 4' silty/sand loam w/ 15-20% fragmented saprolite (2-6" sizes) fairly uniform to bottom  
 11 ft

INDICATE NORTH. NAME ADJOINING ROADWAY AS BASE LINE.

Red/brown clay with silty loam  
 5' med/leg chunky grain sand (sandy silt) heavy med content w/ 20-25% 2-6" fragmented saprolite  
 12 1/2 ft bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
	1 S	4'	1205	1220			
	M	5'	1225	1245	1245	112	27 MIN
	M	8'	1225	1240	1240	103	23 MIN
	D	12' bottom (see profile)					
	2 M	5'	108	128		STOPPED	206 DOWN
	M	6'	137	144	144	206	22 MIN
	D	12 1/2' bottom (see profile)					
	3 S	3'	120	127	127	142	15 MIN
	D	11'					
	4 S	3'	115	117	117	119	2 MIN
	D	11' bottom (see profile)					

STOPPED, DROPPED SHILL DOWN

med/coarse grain sand silt loam

fine/med grain silty loam with ~15% small fragmented (2-3") mica structures saprolite fragments  
 11' bottom

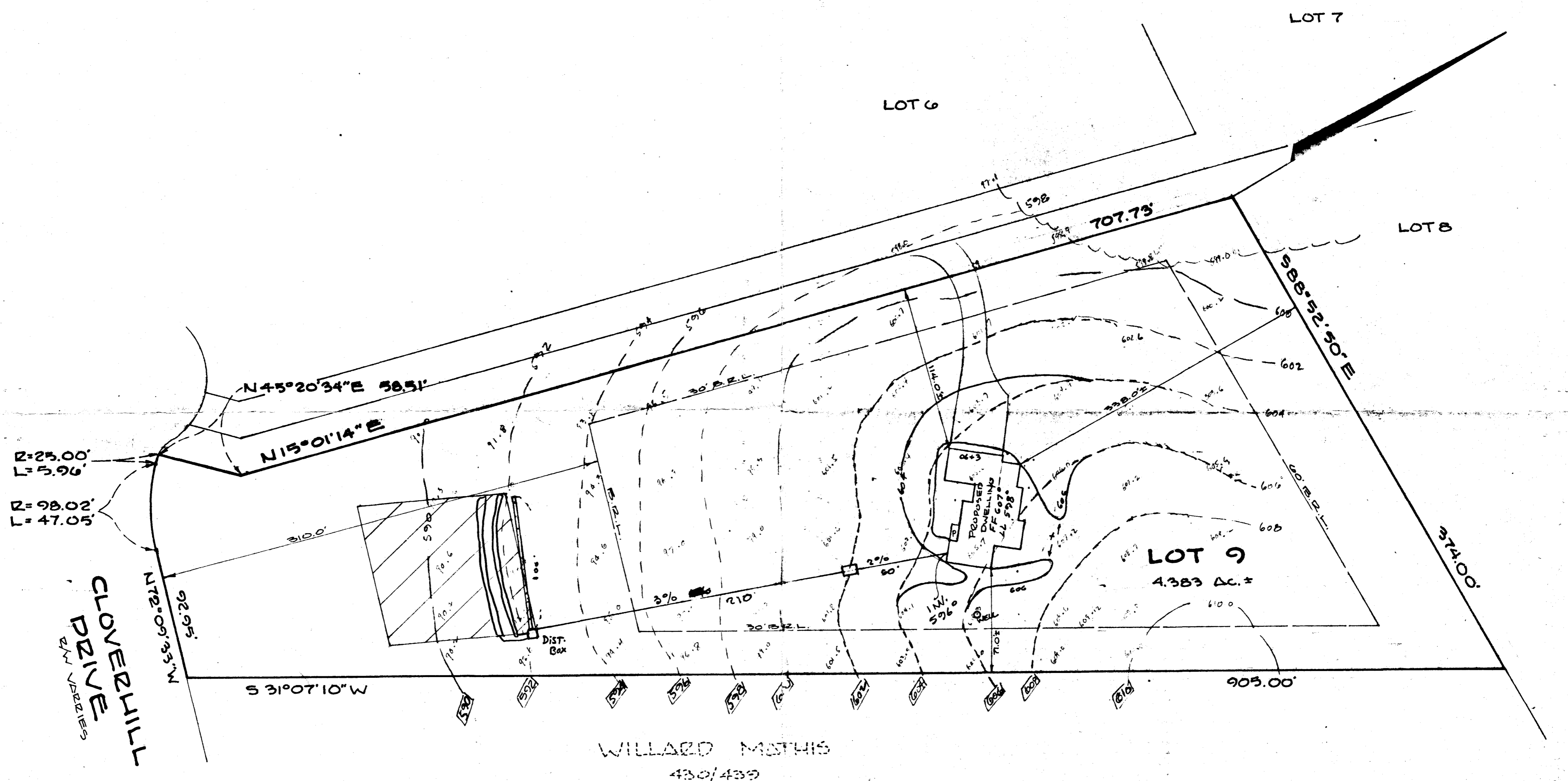
200 # MAX 6 1/2" SHALLOW SYSTEM

REMARKS: clay content considerable in holes 1 & 2; virtually non-existent in 3; low in 4  
 TYPE OF SOIL: All holes with micaceous/saprolite fragments (15%) below 4'

TESTED BY: B. N. [Signature] ALSO PRESENT: [Signature]

# SITE PLAN LOT 9 CLOVERHILL FARM

LOTS 1 thru 9 TAX MAP-15  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1"=50' DATE: 9-10-86



WILLARD MATHIS  
430/439

TRENCH EXIST. ELEV.	592.5 ✓
INVERT	588.2 ✓
TANK EXIST.	602.7 ✓
INVERT OUT	594.5 ✓
INVERT IN	594.8 ✓
HOUSE INVERT	596.0 ✓
BASEMENT	598.0 ✓

will REQUIRE  
MANHOLE  
COVER TO  
GRADE

220 A/B R  
4.5-6.5'

48A = 880

4 x 220 + 3 = 294 LF TRENCH

BLDG. PERMIT SIGNED  
AND RETURNED 10/21/86

10/31/85  
elevation ok  
w/ change in trench  
length in saddle

SMW  
BPH 8235

**HUDLINS ASSOCIATES INC.**  
SURVEYORS AND ENGINEERS  
SUITE 231 JOSEPH SQUARE  
5485 HARPERS FARM ROAD  
COLUMBIA, MARYLAND, 21044

30 11 09 PM '86



- ① 21 FT CASING
  - ② 18 FT OPEN HOLE
  - ③ 6 BAGS
  - ④ SID OBSERVED WELL GROUT
- BIT TOOK INFORMATION

10/20/86

B. H. H. H.

C1 5332 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 36285

DATE RECEIVED  
 [ ] [ ] [ ] [ ] [ ] [ ]

DATE WELL COMPLETED  
 10 20 86

DEPTH OF WELL  
 22 265 26  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
 HB-81-1730

OWNER BASSO + BASSO  
 STREET OR RFD last name CLOVER HILL DR first name TOWN WEST FRIENDSHIP  
 SUBDIVISION CLOVER HILLS SECTION LOT 9

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	
Top Soil	0	2	
Sandy	2	18	
Sandstone	18	25	✓
Micka	25	50	
Sandstone	50	60	✓
Micka	60	265	

GROUTING RECORD  
 WELL HAS BEEN GROUTED (Circle appropriate box) YES  NO   
 TYPE OF GROUTING MATERIAL  
 CEMENT  BENTONITE CLAY   
 NO. OF BAGS 6 NO. OF POUNDS 600  
 GALLONS OF WATER 36  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 18 ft.

CASING RECORD  
 casing types insert appropriate code below  
 ST CO STEEL CONCRETE  
 PL OT PLASTIC OTHER

MAIN CASING TYPE  
 Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)  
 8 1/2 21

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

DEPTH (nearest ft.)  
 1 HO 19 265  
 2  
 3

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. 223  
 Ruth M. Mays

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
 Ruth M. Mays

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

C 3  
 PUMPING TEST  
 HOURS PUMPED (nearest hour) 6  
 PUMPING RATE (gal. per min. to nearest gal.) 3  
 METHOD USED TO MEASURE PUMPING RATE Bucket  
 WATER LEVEL (distance from land surface) BEFORE PUMPING 20 WHEN PUMPING 205  
 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) LAND SURFACE (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)  
 20' 200'