

LAYOUT 2/28/02 10:00 INSP 4 _____

INSP 2 3/1/02 PM INSP 5 _____

INSP 3 3/5/02 PM INSP 6 _____

ISSUE DATE: 11/1/2002

APPROVAL DATE: 3/5/02

**PERMIT
INDEXED**

05-432197

P 516465

A 57577-D

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Road, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: Big Branch Overlook LOT NUMBER: 30

ADDRESS: 14100 Big Branch Drive PROPERTY OWNER: Big Branch Overlook, LLC

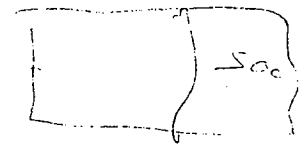
SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240



TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box approximately midway between the upper easement stakes.
NOTES:	Run trenches on contour in either direction

PLANS APPROVED: Brian Baker OK SRH 11/27/01 DATE: 11/21/2001

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A 57577-D

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval!

Company Name: Fogles Well Drilling Telephone #: 410-795-5670
Address: 580 Obrecht Rd
Dylesville Md 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Allen Compton License# MSD 009
*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: Toll Brothers Telephone #: _____
Subdivision: Big Branch Lot #: 30 Well Tag #: HO-94-1971
Site Address: 14100 Big Branch Dr

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Goulds Make: Lumpkin Two piece watertight cap: Yes
Model #: 5000 75005 Model#: N/A Screened, vented well cap: Yes
Pump Capacity: 5 GPM Depth: 42' (36" min) Cap secured to casing: Yes
Well Yield: 10 GPM NSF/WSC approved: Yes Conduit min 18" B.G.: Yes
Depth of well encountered at time of pump installation: 825 (feet) Conduit secured to well cap: Yes
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.9.4
Torque arrestors, Cable guards, or other acceptable method used- Must circle one
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing N/A

Piping to house House Connection
Type: 1" Black plastic PVC sleeve to undisturbed soil at wall penetration: Yes
PSI: 160 (160 psi min) Approximate length of sleeve: 5'
Depth of supply line: 42' (36" min) Sleeve caulked and sealed properly: Yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Allen Compton 6-11-02
Signature of company representative responsible for installation date

For Health Department Use Only - Not to be completed by Installer
Date Insp. Requested: 4/25/02 Date Insp. Approved: 4/25/02 Inspector: (50) SRK
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓
Safety rope not seen outside of well cap/casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓
Water supply line sleeved adequately at house connection ✓
Adequate grout observed below pitless adapter ✓

C1 9353

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER 13

ST/CO USE ONLY DATE RECEIVED 12-31-98

DATE WELL COMPLETED 12-28-98

DEPTH OF WELL 225 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1971

OWNER HIGHLAND DEV CMC STREET OR RFD 116 BRANCH DRIVE TOWN DAYTON SUBDIVISION 116 BRANCH OVERLOOK SECTION 7 LOT 2330

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Sand (0-60) and Gray Mica Rock (60-225).

GROUTING RECORD form with fields for CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (19), NO. OF POUNDS (1786), GALLONS OF WATER (114), DEPTH OF GROUT SEAL (0-57).

CASING RECORD form with fields for MAIN CASING TYPE (ST), Nominal diameter (6), Total depth (64).

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form with fields for screen type (ST), BRASS (BR), OPEN HOLE (HO), PLASTIC (PL), OTHER (OT).

PUMPING TEST form with fields for HOURS PUMPED (3), PUMPING RATE (10), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (44 before, 80 when pumping), TYPE OF PUMP USED (S - submersible).

PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED (S), CAPACITY (GALLONS PER MINUTE), PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (2 feet below land surface).

NUMBER OF UNSUCCESSFUL WELLS (0) and WELL HYDROFRACTURED (NO).

CIRCLE APPROPRIATE LETTER: A (well abandoned), E (electric log obtained), P (well converted to production).

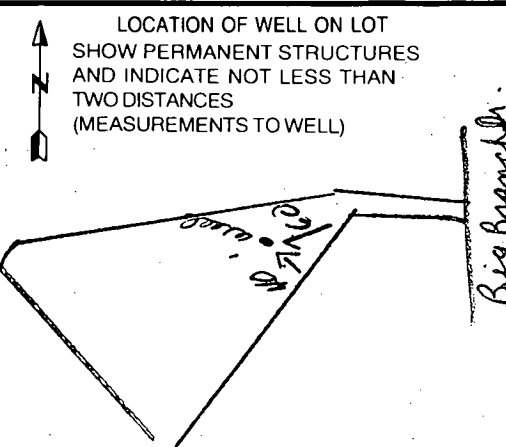
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. MS024, DRILLERS SIGNATURE (Must match signature on application), LIC. NO. D.

DEPTH (nearest ft.) table with rows for casing sections and slot size (1, 2, 3). Includes diameter of screen (56-60).

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

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



B 1 0376

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-1971

Date Received (APA)

OWNER INFORMATION

Highland Development CMC P.O. Box 228 Clarksville MD 21029

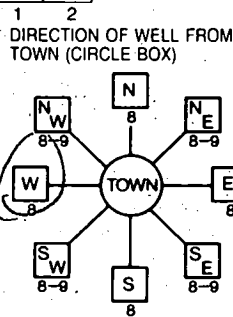
B 3 HOWARD LOCATION OF WELL

Big Branch Overlook Dayton

DRILLER INFORMATION

Joseph L. Mayne MS D024 Joseph L. Mayne Well Drilling 5512 Ridge Rd. Mt. Airy 21771

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Big Branch Dr.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

200 FT

TAX MAP: 27 BLK: 6 PARCEL 141

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 500 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation, Farming, Industrial, Commercial, Dewatering, Public Water Supply Well, Test, Observation, Monitoring, Geo-Thermal

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME HOWARD COUNTY NO. 13 DATE ISSUED 11/23/98 STATE SIGNATURE [Signature] EXP. DATE 11/23/99

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered), AIR-ROTARY, JETTED, AIR-PERCussion, ROTARY (Hydraulic Rotary), CABLE, REVerse-ROTary, DRive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL, THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED, THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS, THIS WELL WILL DEEPEAN AN EXISTING WELL

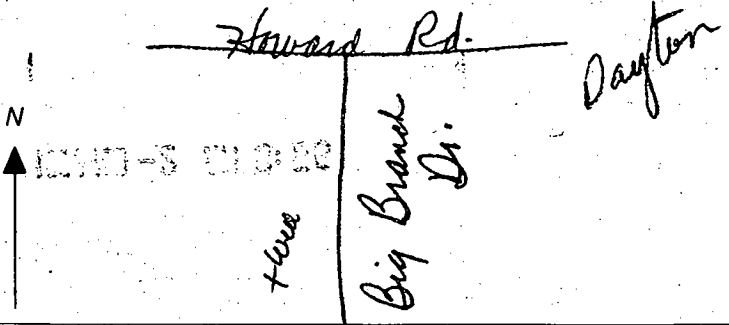
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1 Well

WRITE THE BOX NUMBER FROM THE MAP HERE

E 790 N 510

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



Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54 PERMIT No. HO-94-1971

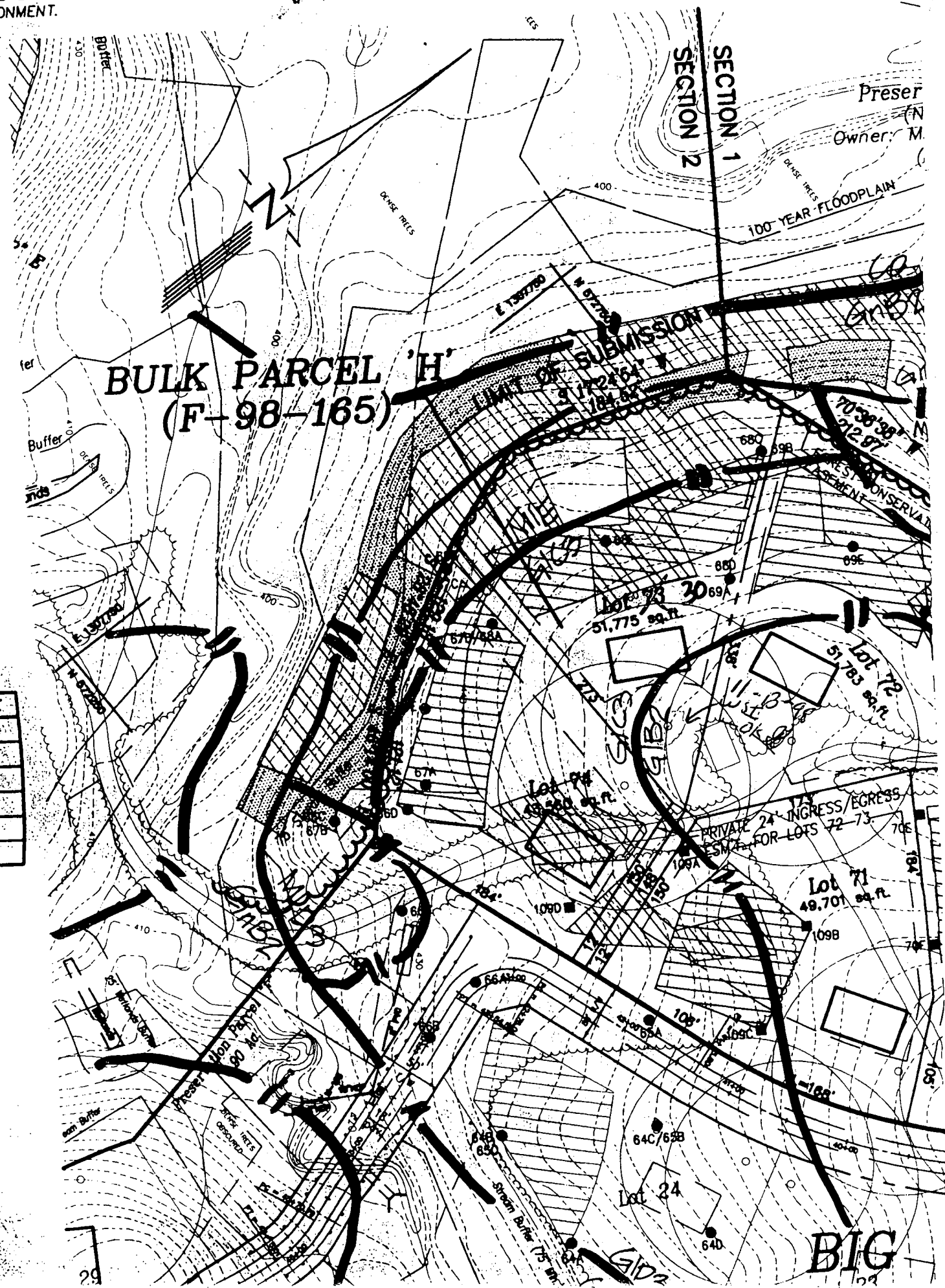
SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

BE NECESSARY
HAVE BEEN

THE MINIMUM
REQUIRED BY THE
ENVIRONMENT.

SIZE
F.
F.
F.
F.
F.
F.



BIG

APPLICATION

PERCOLATION TESTING

A 57571

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE _____

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 C. M. C. CONSTRUCTION, INC.

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER CHARLES A. SHARP

ADDRESS 3779 SHARP ROAD PHONE 410-989-4630

PROPERTY LOCATION: Big Branch Overlook Big Branch Drive

BDIVISION ~~CONSTRUCTION PROPERTY~~ LOT NO. 68 30

ROAD AND DESCRIPTION HOWARD ROAD 3,000'± FROM INTERSECTION
TRIDELPHIA ROAD (SOUTH)

TAX MAP 27 PARCEL # 19

SIZE OF LOT 40,000 - 50,000 SQ. FT. TYPE BLDG. SINGLE FAMILY DWELLING
(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. Charles A Sharp
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

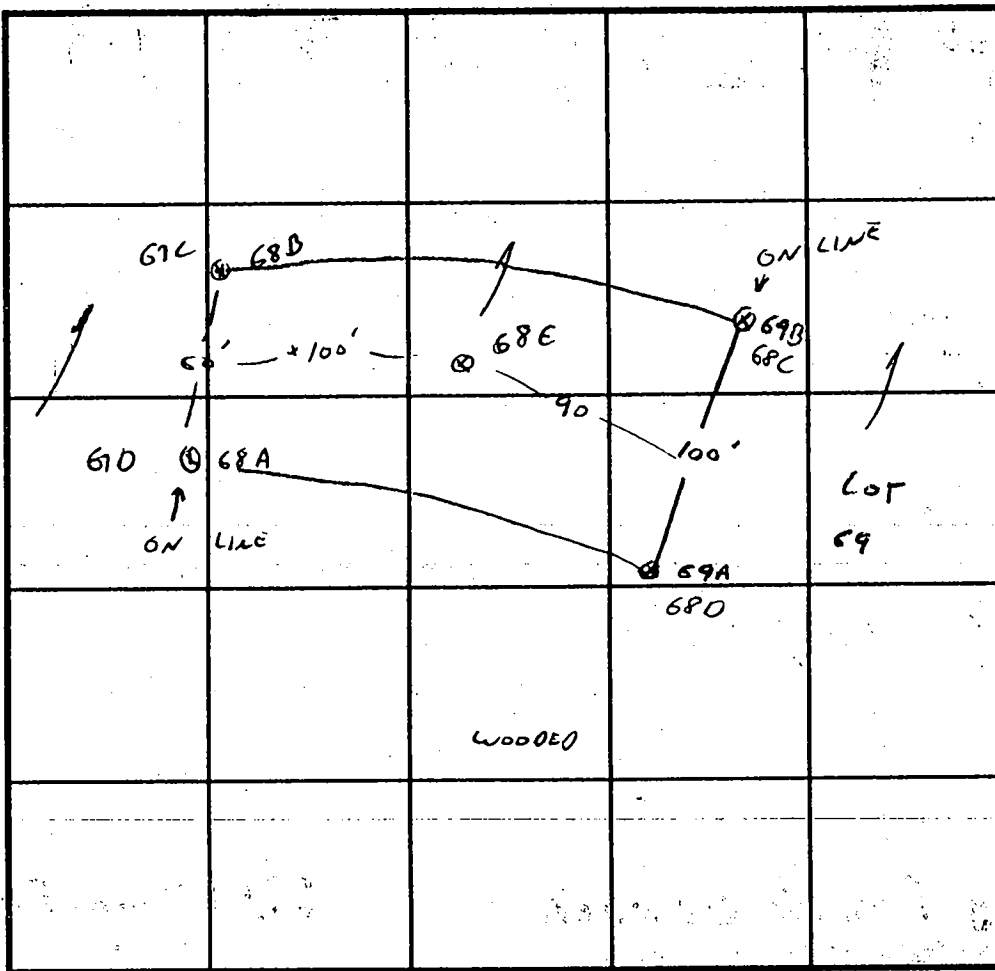
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

THIS IS NOT A PERMIT

SOIL PROFILE

0'



SOIL PROFILE 68A

0'

TOPSOIL

ORANGE SANDY CLAY LOAM

TAN SCL 58

Rock

11.5'

68B/67C

TOPSOIL

LIGHT ORANGE/DARK ORANGE SILTY CLAY LOAM

3

BROWN OLIVE BROWN SCL. 20% ROCK

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-15-96	68A/67D	2 / 11.5V	TOP 2:59	2:59	2:59	3:01	2 MIN
	↓	4.5'	2:56	2:58	3:00	3:02	2 MIN
	68E	1/9V					
	68B/67C	3 / 11V	3:05	3:06	3:06	3:08	2 MIN
	68D/69A	4 / 12V	SEE LOT 69 PROFILE				2 MIN
		8V OK					

REMARKS LOT # 30 68C 30% ROCK SHALLOW SYSTEM

TYPE OF SOIL _____

TESTED BY G. SAVAGE ALSO PRESENT C. SHARP, R. DEWITT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 MIN TRENCH WIDTH 3

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 180'

X

APPLICATION

PERCOLATION TESTING

A 57577

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER CHARLES A. SHARP

ADDRESS 3779 SHARP ROAD PHONE 410-489-4630

PROPERTY LOCATION: Big Branch Overlook Big Branch Drive

'B DIVISION ~~PERCOLATION PROPERTY~~ LOT NO. 85 30

ROAD AND DESCRIPTION HOWARD ROAD 3,000'± FROM INTERSECTION
TRIDELPHIA ROAD (SOUTH)

TAX MAP 27 PARCEL # 19

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(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 _____

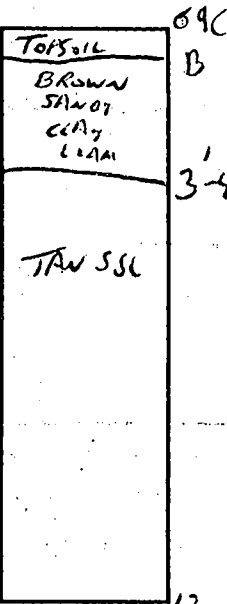
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

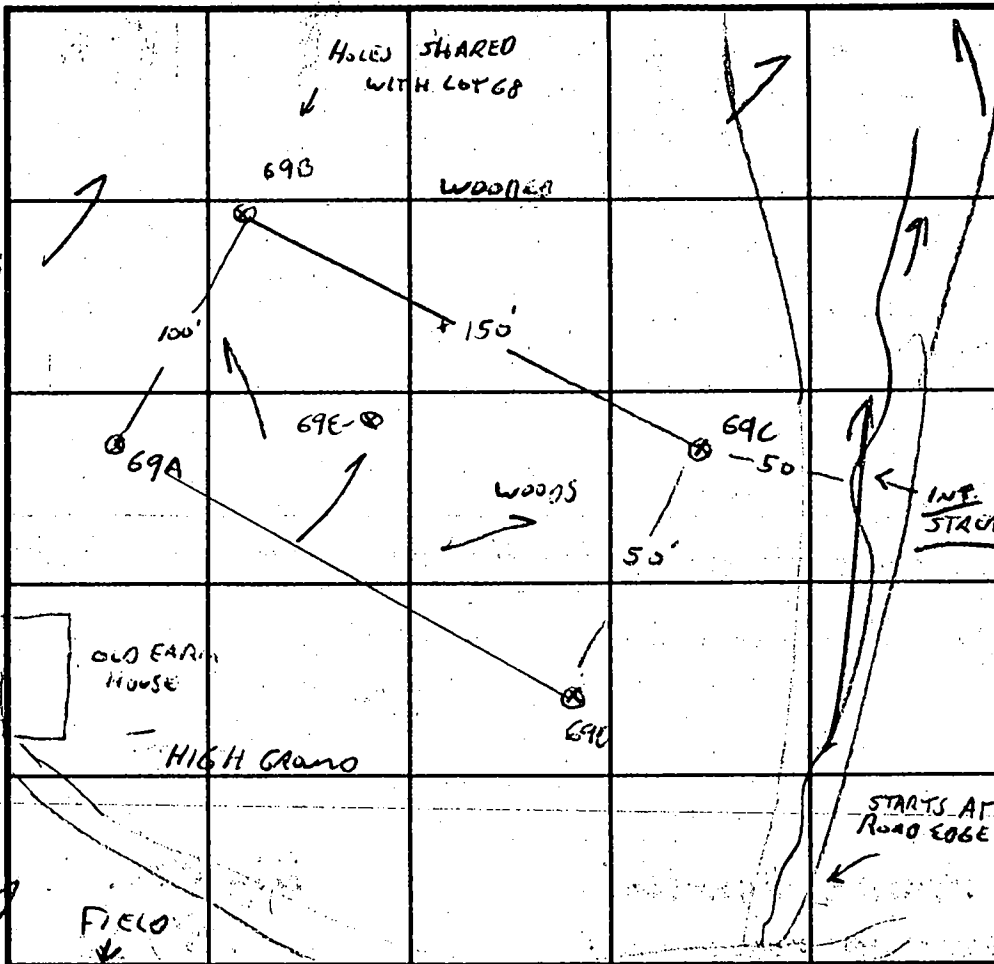
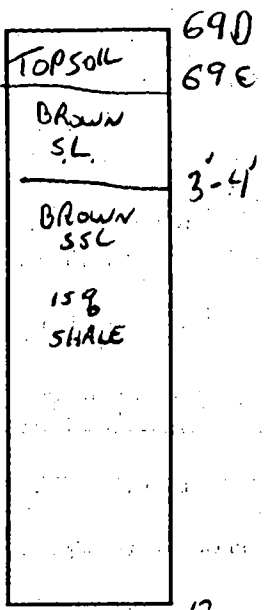
A 57577

COUNTY #

SOIL PROFILE 69A



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-75-96	69D	3.5' / 12V	11:55	11:57	11:57	11:59	2 MIN
		7 VOK					
	69C	2.5	12:02	12:03	12:03	12:06	3 MIN
		5.5' / 11.5V	12:05	12:06	12:06	12:08	2 MIN
	69B	3.5' / 12V	12:10	12:11	12:11	12:13	2 MIN
		7 OK					
	69A	4' / 12V	12:17	12:18	12:18	12:20	2 MIN
		7 VOK					
	69E	10.5 V	OK				

REMARKS LOT 68, STREAM MAY ONLY CARRY WATER DURING HEAVY RAINS, DRY NOW

TYPE OF SOIL 30

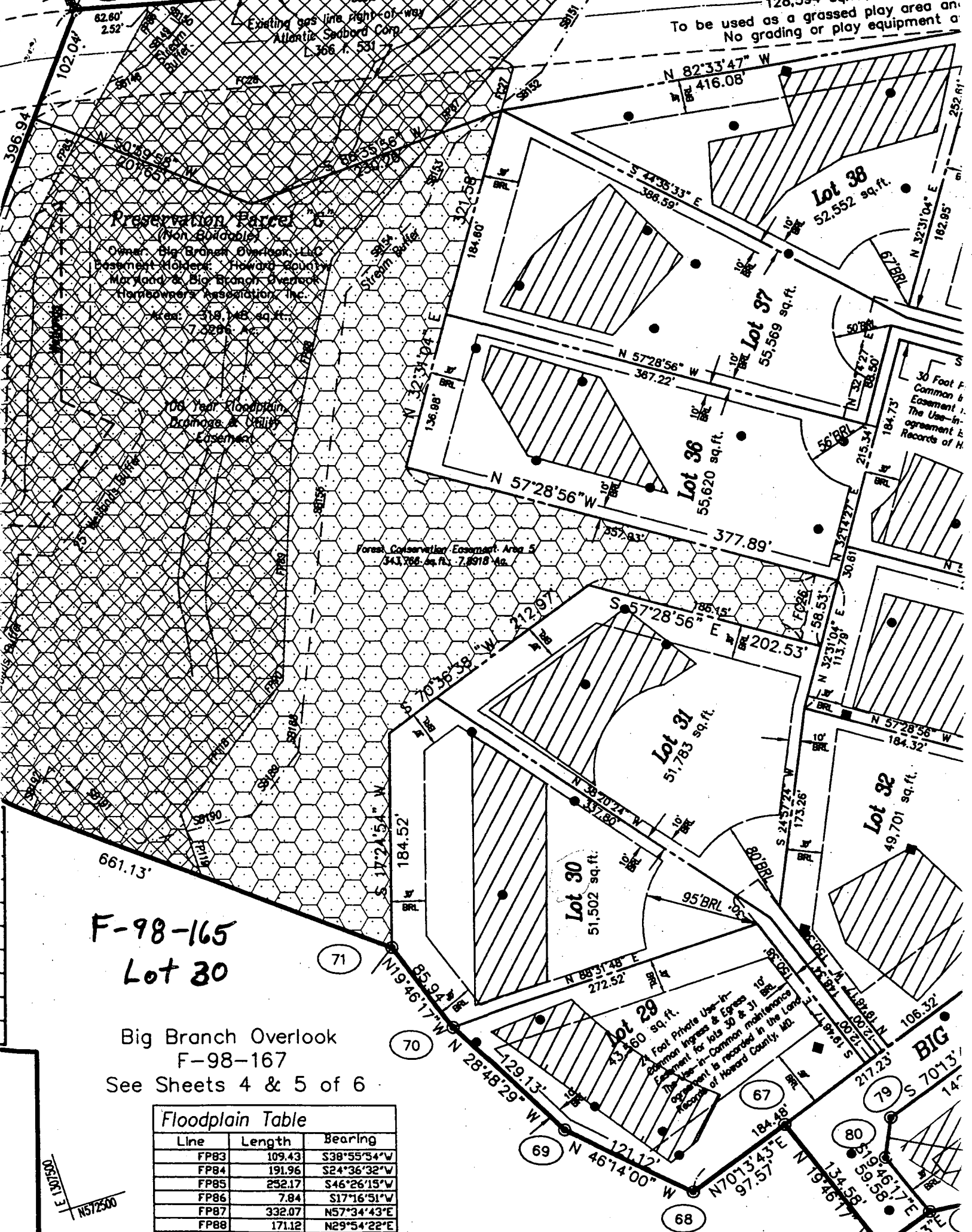
TESTED BY G. SAVAGE ALSO PRESENT C. SHARP, R. DEMIT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

X

To be used as a grassed play area and
No grading or play equipment a



F-98-165
Lot 30

Big Branch Overlook
F-98-167
See Sheets 4 & 5 of 6

Floodplain Table

Line	Length	Bearing
FP83	109.43	S38°55'34"W
FP84	191.96	S24°36'32"W
FP85	252.17	S46°26'15"W
FP86	7.84	S17°16'51"W
FP87	332.07	N57°34'43"E
FP88	171.12	N29°54'22"E
FP89	197.76	N19°51'43"E
FP90	19.90	N55°04'12"E

E 130°300
N57°2500

PARCEL 'H'
(98-165)

