

LAYOUT 8-5-02 11am INSP 4 Flu 8/22  
 INSP 2 8-14-02 1pm INSP 5 \_\_\_\_\_  
 INSP 3 8-21-02 3:00 INSP 6 \_\_\_\_\_

ISSUE DATE: 8/1/2002  
 APPROVAL DATE: 8/22/2002

**PERMIT INDEXED**

05-4320-30

P 517391  
 A 56564-P

**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: 16  
 ADDRESS: 14073 Big Branch Drive PROPERTY OWNER: Big Branch Overlook, LLC  
 SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED   
 PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED   
 NUMBER OF BEDROOMS: 4  
 SQUARE FEET PER BEDROOM: 210  
 LINEAR FEET OF TRENCH REQUIRED: 280 HOUSE SERVED BY PUBLIC WATER

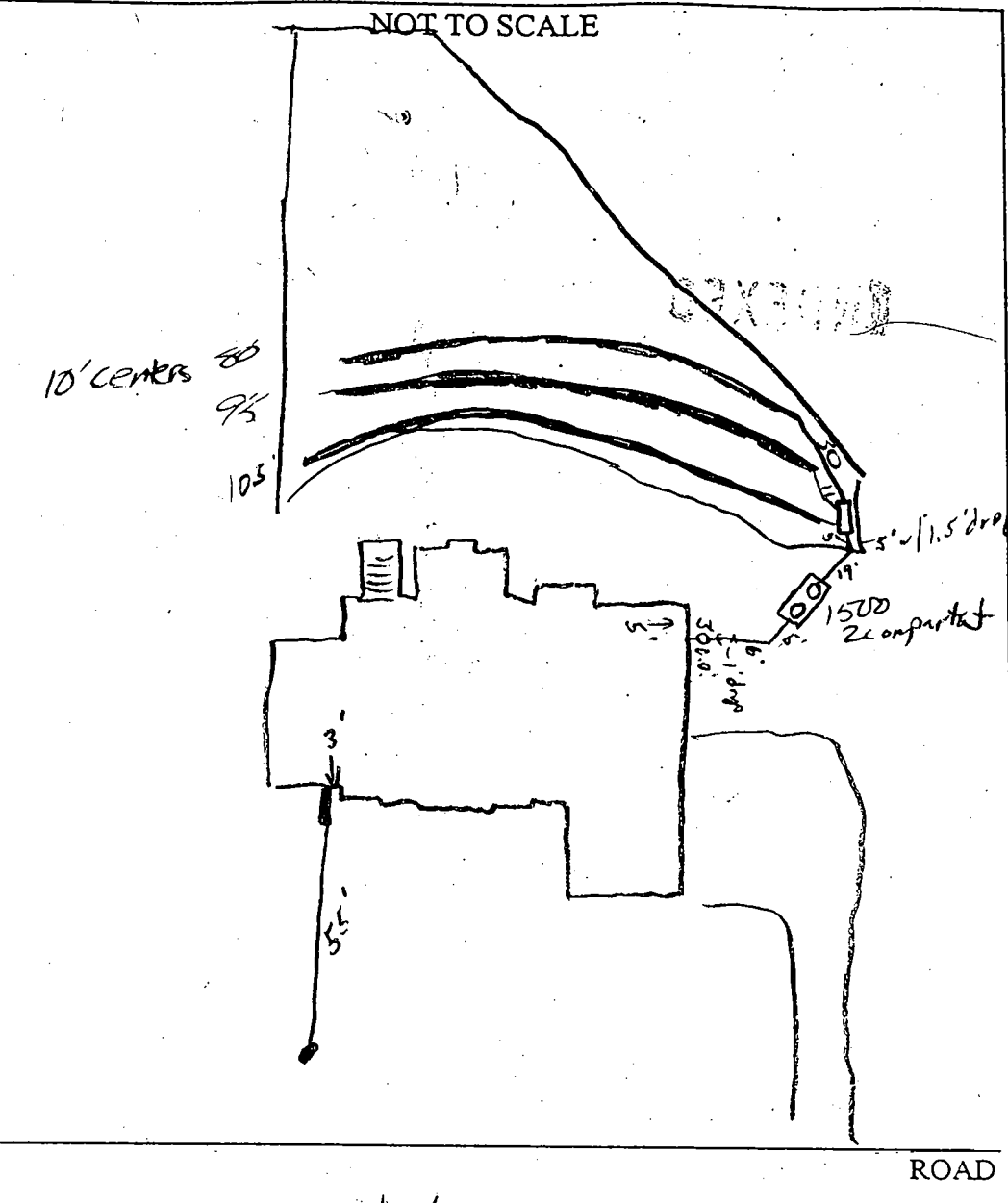
TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place distribution box as shown on approved site plan. Run trenches on contour
NOTES:	Trenches to be 10' center to center

PLANS APPROVED: ~~Brian Baker~~ Steven R. Krieger OK 3/16/02 DATE: ~~8/19/1999~~ 3/12/02

NOTES: PERMIT VOID AFTER 2 YEARS  
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
 WATERTIGHT SEPTIC TANKS REQUIRED  
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**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 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A56564-P



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		280'
ABSORPTION AREA		640 sq ft
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		✓

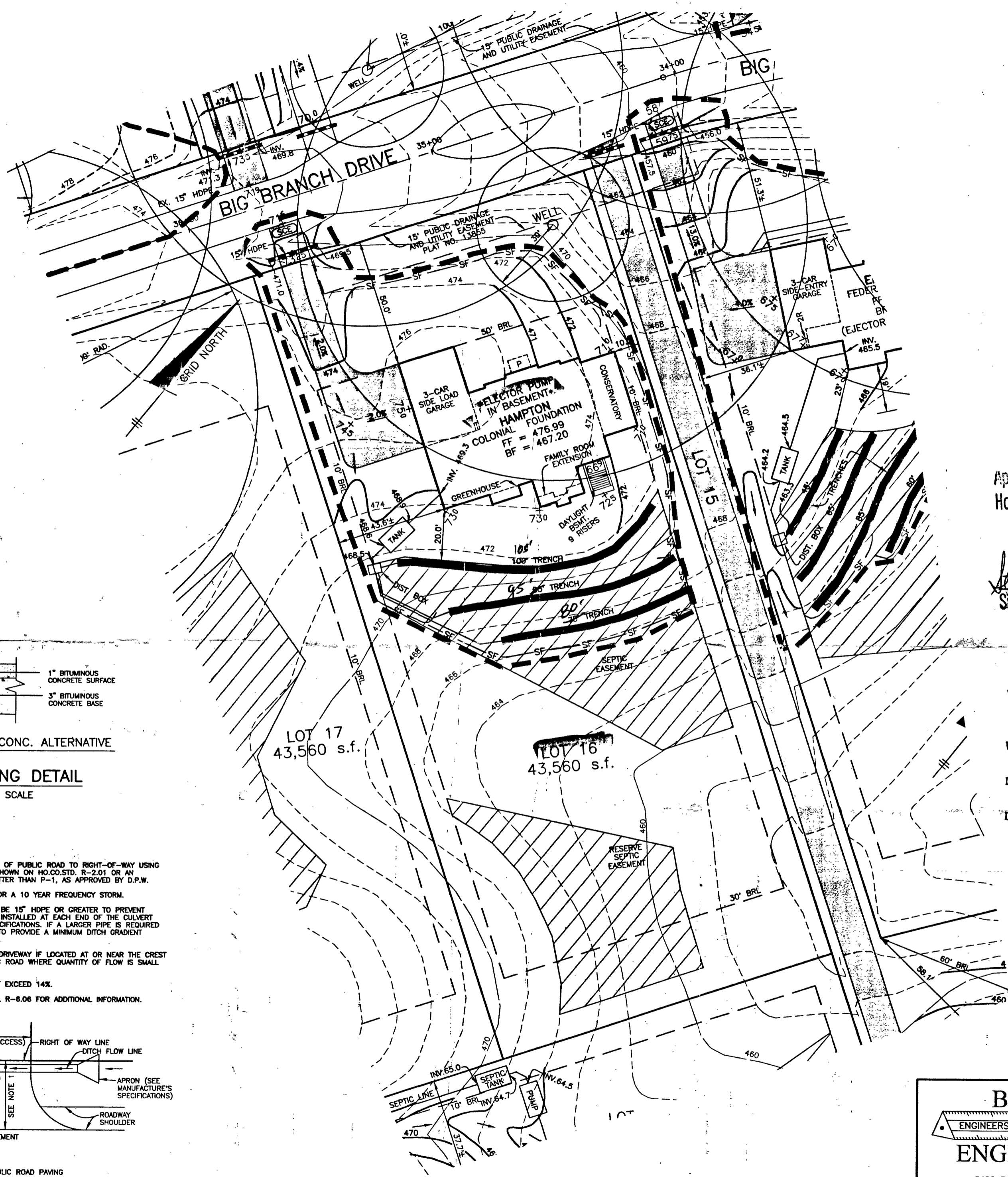
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1-2'
BAFFLES	✓
BAFFLE FILTER	✓
MANHOLE LOC	F&B
6" PORT LOC	_____
WATERTIGHT TEST	_____
SEPTIC TANK 2 LEVEL	_____
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	N/A
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 8/19/02 Lot staked, house curb higher than B.P. won't need P.T. Trenches per B.P. (SO)

INSTALLATION 8/21/02 Tank set, 1st trench installed (SO)

8/22/02 Finished 2+3rd trench O.K. to Backfill. (SB)

FINAL INSPECTOR Jelly DATE OF APPROVAL 8/22/02



**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 13855, REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. [Hatched Area] THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-00-97 AND MODIFIED FOR THIS SPECIFIC HOUSE.
4. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
5. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
6. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

**LEGEND**

- EXISTING CONTOURS AS SHOWN ON GP-00-97
- PROPOSED CONTOURS
- EXISTING TREELINE
- PROPOSED TREELINE
- SILT FENCE
- SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SEPTIC EASEMENT
- WELL LOCATION

Approved Septic System Plan  
Howard County Health Department

*Steve R. Krieg* 3/13/2002  
Signature Date

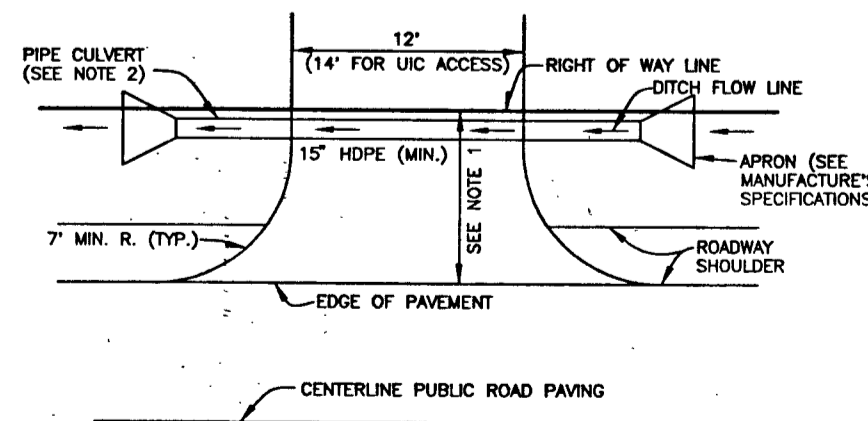
Total linear feet of trench required 280 feet  
Width of trench(es) 3 feet  
Depth of trench(es) 5 feet  
Depth of stone required below distribution pipe 2 feet

PRINTED  
MAR 11 2002



FULL DEPTH BIT. CONC. ALTERNATIVE  
**P-1 PAVING DETAIL**  
NOT TO SCALE

- DRIVEWAY CULVERT NOTES:**
1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT-OF-WAY USING STANDARD PAVING SECTION P-1 AS SHOWN ON HO.CO.STD. R-2.01 OR AN ALTERNATE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
  2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM.
  3. ALL DRIVEWAY CULVERT PIPES ARE TO BE 15" HDPE OR GREATER TO PREVENT BLOCKING. HDPE APRONS ARE TO BE INSTALLED AT EACH END OF THE CULVERT AND SIZED PER MANUFACTURER'S SPECIFICATIONS. IF A LARGER PIPE IS REQUIRED THE DITCH INVERT CAN BE LOWERED TO PROVIDE A MINIMUM DITCH GRADIENT OF 0.5% AND THE CLEARANCE SHOWN.
  4. SWALE FLOW MAY BE PROVIDED OVER DRIVEWAY IF LOCATED AT OR NEAR THE CREST OF A VERTICAL CURVE ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL AS APPROVED BY D.P.W.
  5. TIE-IN GRADE OF DRIVEWAY SHALL NOT EXCEED 14%.
  6. SEE HOWARD COUNTY STANDARD DETAIL R-8.06 FOR ADDITIONAL INFORMATION.



**DRIVEWAY CULVERT**  
NOT TO SCALE

**PLAN**  
SCALE: 1" = 30'

**BENCHMARK**  
ENGINEERS • LAND SURVEYORS • PLANNERS  
**ENGINEERING, INC.**  
8480 BALTIMORE NATIONAL PIKE • SUITE 418  
ELLICOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 FAX: 410-465-6644

**BUILDER:** TOLL BROTHERS, INC.  
7164 COLUMBIA GATEWAY DRIVE  
SUITE 230  
COLUMBIA, MARYLAND 21046  
410-872-9105

**PROJECT:** BIG BRANCH OVERLOOK  
LOT 16

**LOCATION:** 14073 BIG BRANCH DRIVE  
TAX MAP 27, GRID 6 - PARCEL 140,141,142  
5th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

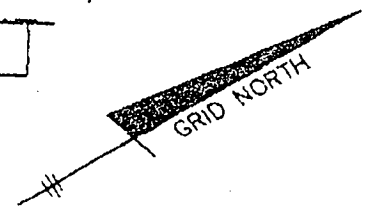
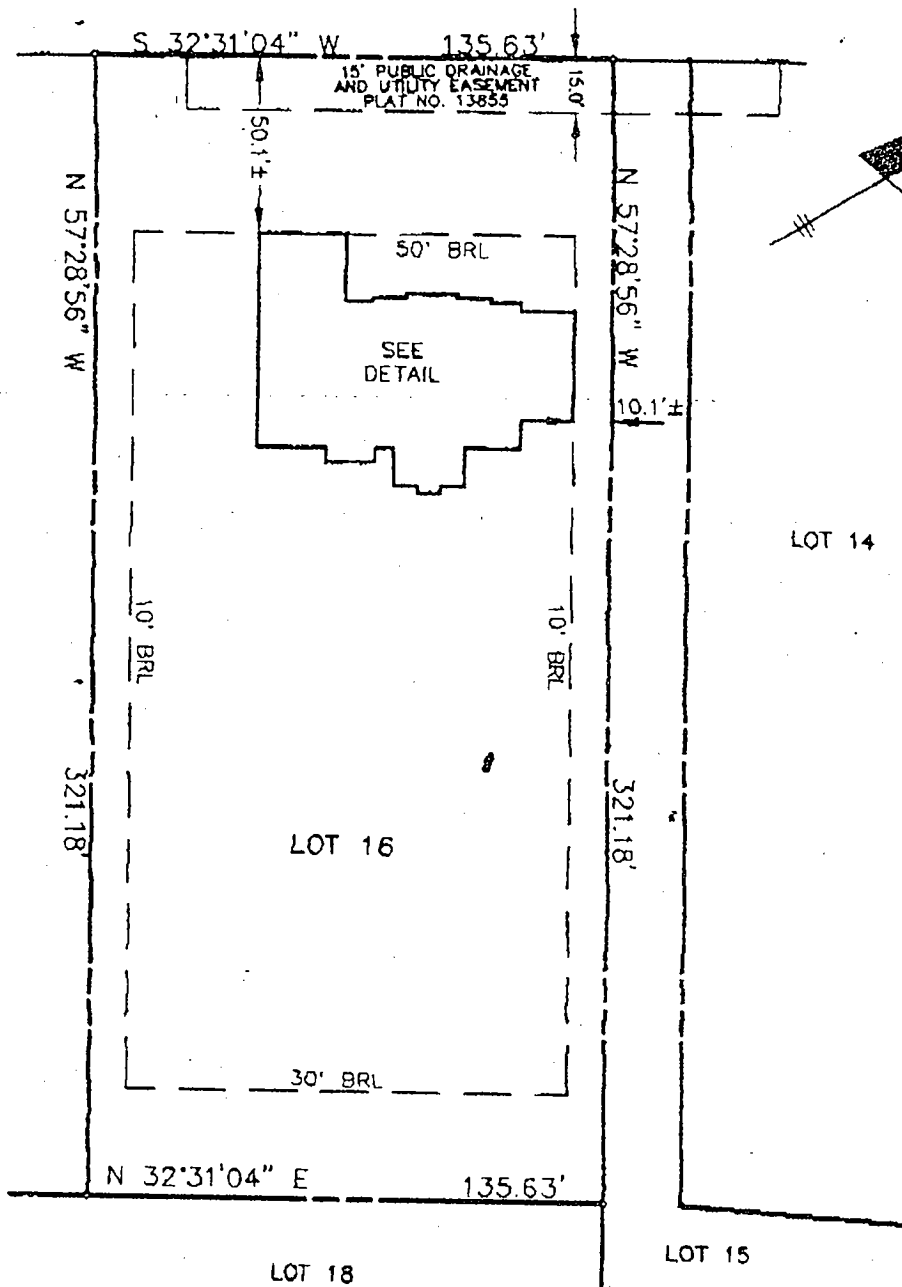
**TITLE:** PLOT PLAN

**HOUSE TYPE:** HAMPTON

**DATE:** MARCH 11, 2002 **PROJECT NO.:** 1322

**SCALE:** AS SHOWN **DRAWING:** 1 OF 1

# BIG BRANCH DRIVE

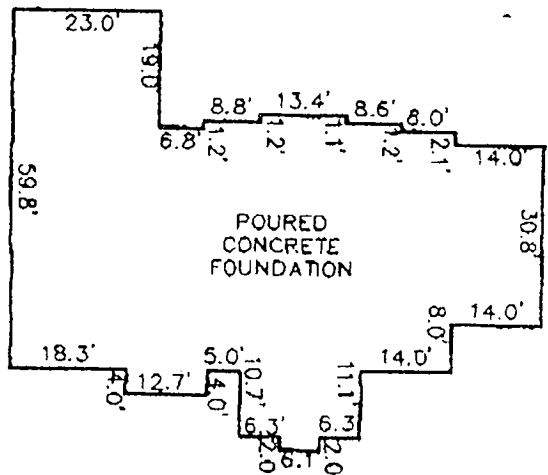


*8/1/02  
all check  
OK*

FIRST FLOOR ELEV. = 478.0'  
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

## SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON JULY 29, 2002; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY R.M. MOCHI GROUP, P.C. ENTITLED "BIG BRANCH OVERLOOK", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 13855



**FOUNDATION DETAIL**

SCALE: 1" = 30'

*David M. Barnes*

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)315-2640 FAX: (410)315-2648

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: Fogle Well Drilling Telephone #: 410-795-5620  
Address: 588 Obrecht RD  
Sylvestre 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# MSD009

\*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: Tail Brothers Telephone #: \_\_\_\_\_  
Subdivision: Tradelona Ridge Big Branch Lot #: 16 Well Tag #: HO 94-1755  
Site Address: 14073 Big Branch Drive

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Garlo Pump</u>	Make: <u>Cambell</u>	Two piece watertight cap: <u>yes</u>
Model #: <u>LS007</u>	Model#: _____	Screened, vented well cap: <u>yes</u>
Pump Capacity: <u>6</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <u>yes</u>
Well Yield: <u>4</u> GPM	NSF/WSC approved: <u>yes</u>	Conduit min 1 1/2" B.G.: <u>yes</u>
Depth of well encountered at time of pump installation: <u>325</u> (feet)		Conduit secured to well cap: <u>yes</u>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
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 NA

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>1" Black Plastic</u>	PVC sleeve to undisturbed soil at wall penetration: <u>yes</u>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>yes</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve caulked and sealed properly: <u>yes</u>

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.

Signature of company representative responsible for installation: [Signature] date: 10-10-02

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 10/7/02 Date Insp. Approved: 10/7/02 Inspector: (SO) SRK

Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade	<u>✓</u>
Two piece cap installed and attached to casing securely	<u>✓</u>
Elec. conduit extends at least 1 1/2" below grade/attached to cap properly	<u>✓</u>
Safety rope not seen outside of well cap/casing	<u>✓</u>
Correct well tag attached properly and casing 8" above finished grade	<u>✓</u>
Water supply line sleeved adequately at house connection	<u>✓</u>
Adequate grout observed below pitless adapter	<u>✓</u>

C1 4111

SEQUENCE (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. COUNTY NUMBER A 58567 G

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 10 6 98

Depth of Well 22 325 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1755

OWNER HIGHLAND DEV. CO. STREET OR RFD BIG BRANCH DRIVE TOWN DAYTON SUBDIVISION BIG BRANCH OVERLOOK SECTION 1 LOT 79 16

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: Sand 0-37, Gray Micaceous 37-325.

GROUTING RECORD form with fields: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (17), NO. OF POUNDS (1598), DEPTH OF GROUT SEAL (0-37).

CASING RECORD form with fields: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter (6), Total depth (40).

OTHER CASING (if used) form with fields: diameter, depth (feet).

SCREEN RECORD form with fields: screen type or open hole (ST, BR, HO, PL, OT), DEPTH (nearest ft.)

PUMPING TEST form with fields: HOURS PUMPED (3), PUMPING RATE (4), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (55 ft. before, 244 ft. when), TYPE OF PUMP USED (S).

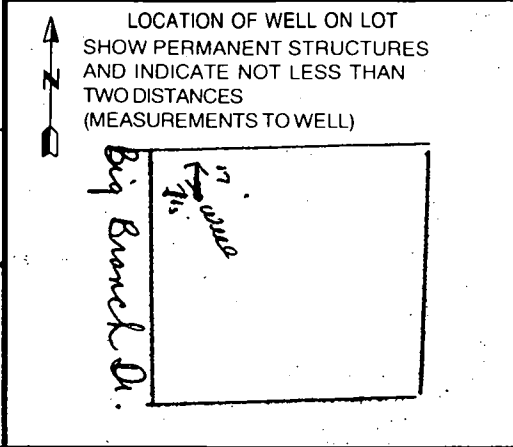
PUMP INSTALLED form with fields: DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (+ above, - below).

WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P), I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04...

DEPTH (nearest ft.) table with columns: 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16, 17-18, 19-20, 21-22, 23-24, 25-26, 27-28, 29-30, 31-32, 33-34, 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-48, 49-50, 51-52, 53-54, 55-56, 57-58, 59-60, 61-62, 63-64, 65-66, 67-68, 69-70, 71-72, 73-74, 75-76, 77-78, 79-80.

DRILLERS LIC. NO. 1 MSD024, DRILLERS SIGNATURE (Must match signature on application), LIC. NO. 1 MSD027, 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, MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q







B 1 6725

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-1755 fill in this form completely

Date Received (APA) 8 31 98

OWNER INFORMATION

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

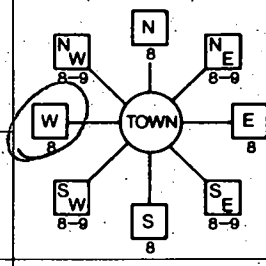
LOCATION OF WELL

Howard Big Branch Overlook Dayton 3 MILES FROM TOWN

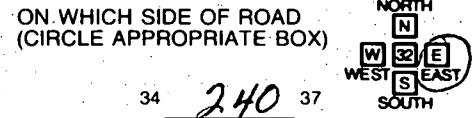
DRILLER INFORMATION

Joseph E. Mayne MSD024 Joseph E. Mayne Well Drilling 5512 Ridge Rd. Mt. Airy 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Big Branch Dr. NEAR WHAT ROAD



240 DISTANCE FROM ROAD ENTER FT OR MI 27 TAX MAP 6 BLK 141 PARCEL

WELL INFORMATION

APPROX. PUMPING RATE 5 APPROX. PUMPING RATE (GAL. PER MIN.) 500 AVERAGE DAILY QUANTITY NEEDED 14

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD AS8567G COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 9 23 98 CO SIGNATURE 9 23 99 EXP. DATE NORTH GRID 510 000 EAST GRID 790 000

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

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 Jetted & DRIVEN 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 DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED

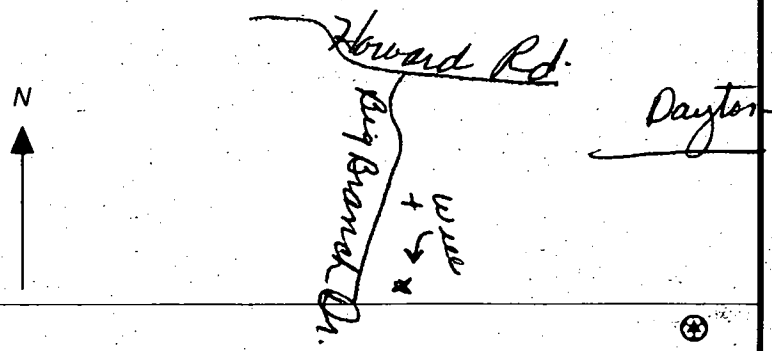
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- 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

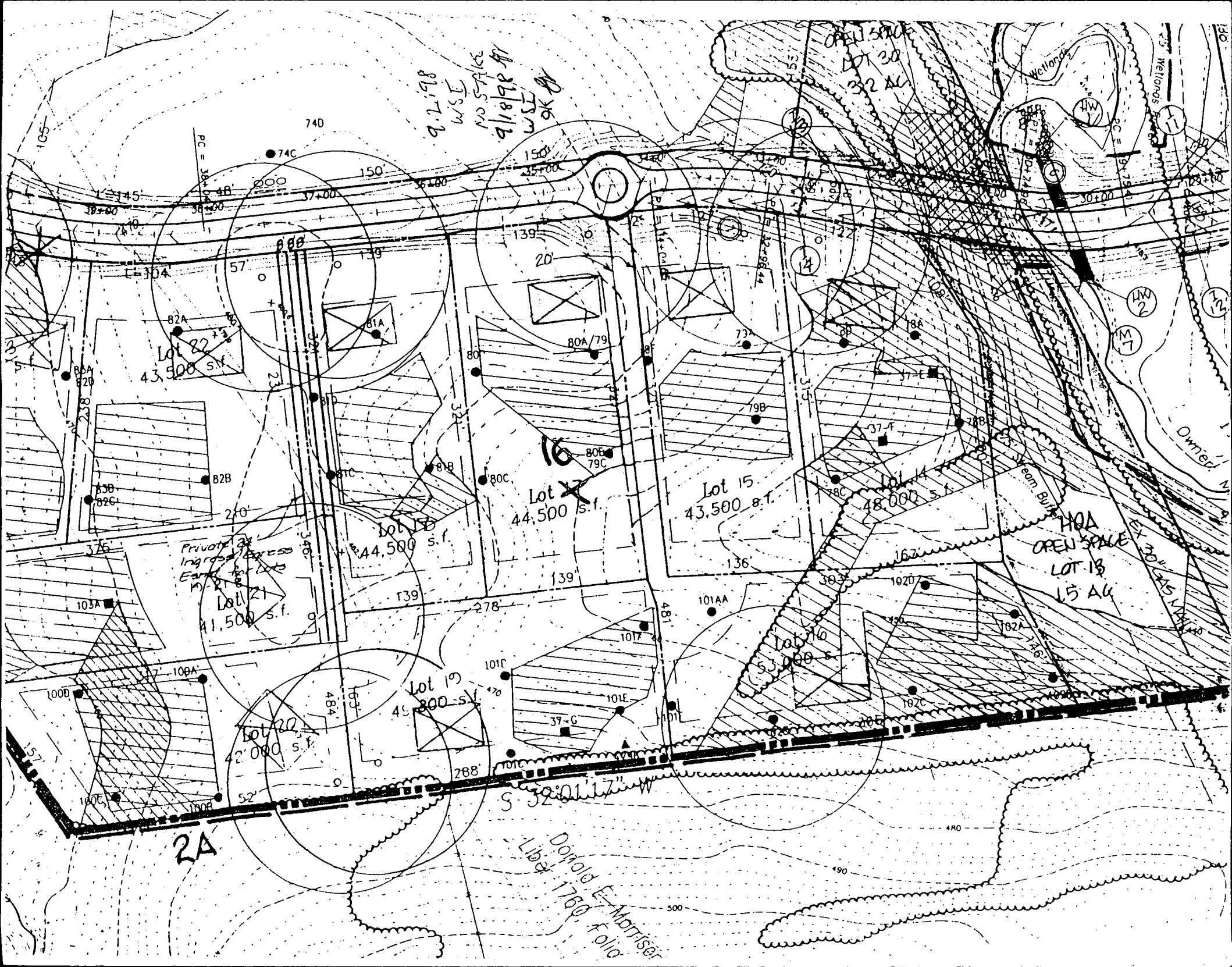


Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54 PERMIT No. HO-94-1755 63

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



9.2.7.18  
WSE  
NO SPACE  
9/18/98  
WSE  
9K

Private Ingress Easement for Lots 17, 18, 19, 20, 21, 22

HOA  
OPEN SPACE  
LOT 13  
15 AC

DONALD E. MORRIS  
LIBA 1780 FOLIO

2A

S 32° 01' 17\"/>

Lot 22  
43,500 s.f.

Lot 16  
44,500 s.f.

Lot 15  
43,500 s.f.

Lot 14  
48,000 s.f.

Lot 19  
45,300 s.f.

Lot 20  
42,000 s.f.

Lot 16  
53,000 s.f.

Lot 23  
43,500 s.f.

Lot 21  
41,500 s.f.

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# APPLICATION

PERCOLATION TESTING

A 514938

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 2/20/01

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 TOLL BROTHERS INC.

ADDRESS 7164 COLUMBIA GATEWAY DRIVE PHONE 410-872-9105  
SUITE 230  
COLUMBIA, MD 21046

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION BIG BRANCH OVERLOOK LOT NO. 16

ROAD AND DESCRIPTION 14073 BIG BRANCH DR  
DAYTON, MD 21036

TAX MAP 27 PARCEL # 140

SIZE OF LOT 43,560 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.

Bryce Shigard  
(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

COUNTY #

SOIL PROFILE

0' **(3)**  
 Red Br  
 Sa Clay  
 Loam

3' Light Br  
 Sa Loam

10-15%  
 Rock

12.5'

**(4)**

Red Br  
 Sa Cl  
 Loam

3' Red Br  
 Sa Cl  
 Loam

5-5.5' Light Br  
 Sa Loam

20-25%  
 Rock

14'

**(5)**

Red Br  
 Cl Loam

5' Or Brown  
 Sa Cl  
 Loam

6.5' Light Br  
 Sa Loam

20-30%  
 Rock

15.5'

SOIL PROFILE

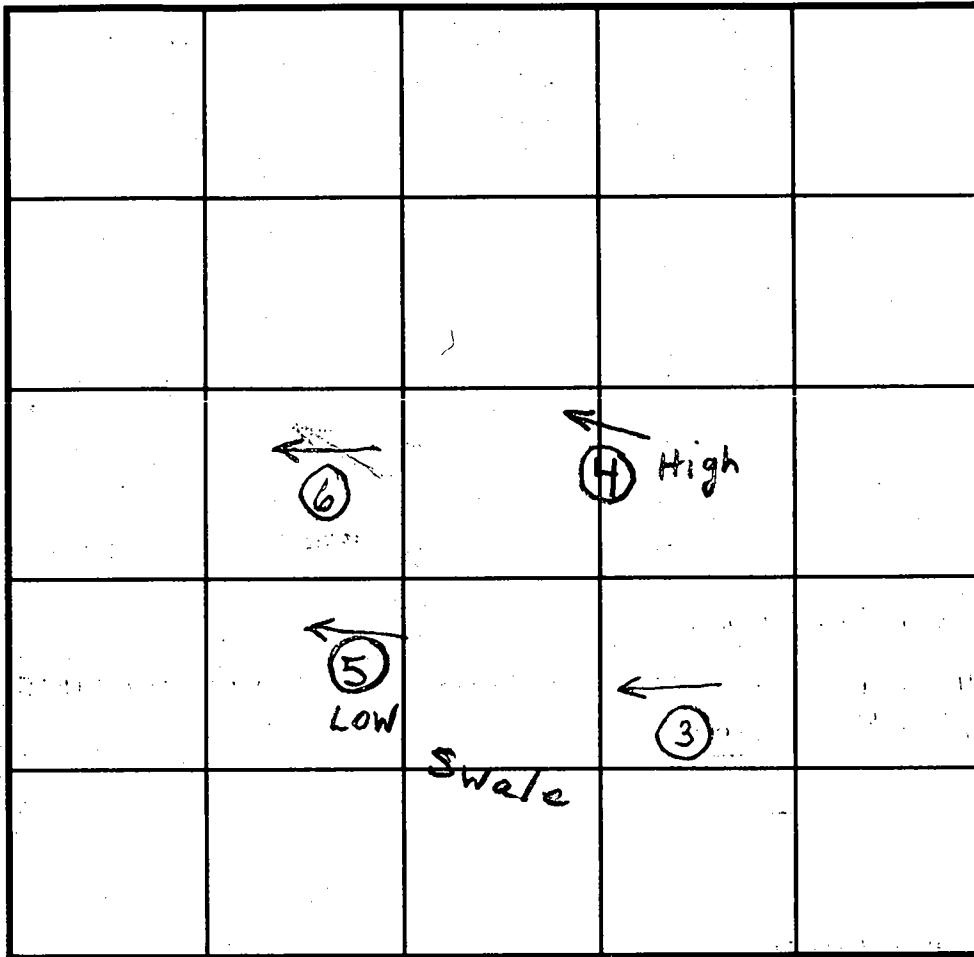
0' **(6)**  
 Red Br  
 Clay Loam

4.5' Or Brown  
 Sa Cl  
 Loam

7' Light Br  
 Sa Loam

10-20%  
 Rock

13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Big Branch Drive

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/8/01	3	12.5'V	See Profile		→		OK	
	4	5'/14'V	12:16	12:21	12:21	12:29	8	
	5	4.5'/15.5'V	11:31	Pulled		→		Slow
	6	4.5'/13'V	11:28	Pulled		→		Slow
	5	6'	11:41	Pulled		→		Slow
	6	6'	11:54	12:00	12:00	12:11	11	
	5	8'	12:03	12:05	12:05	12:09	4	

REMARKS Holes 3-6 OK. Trenches with a depth of 8' look suitable near  
 TYPE OF SOIL holes 5+6. Trenches with a depth of 6' look suitable near holes

TESTED BY Brian Baker ALSO PRESENT Fogles 3+4.

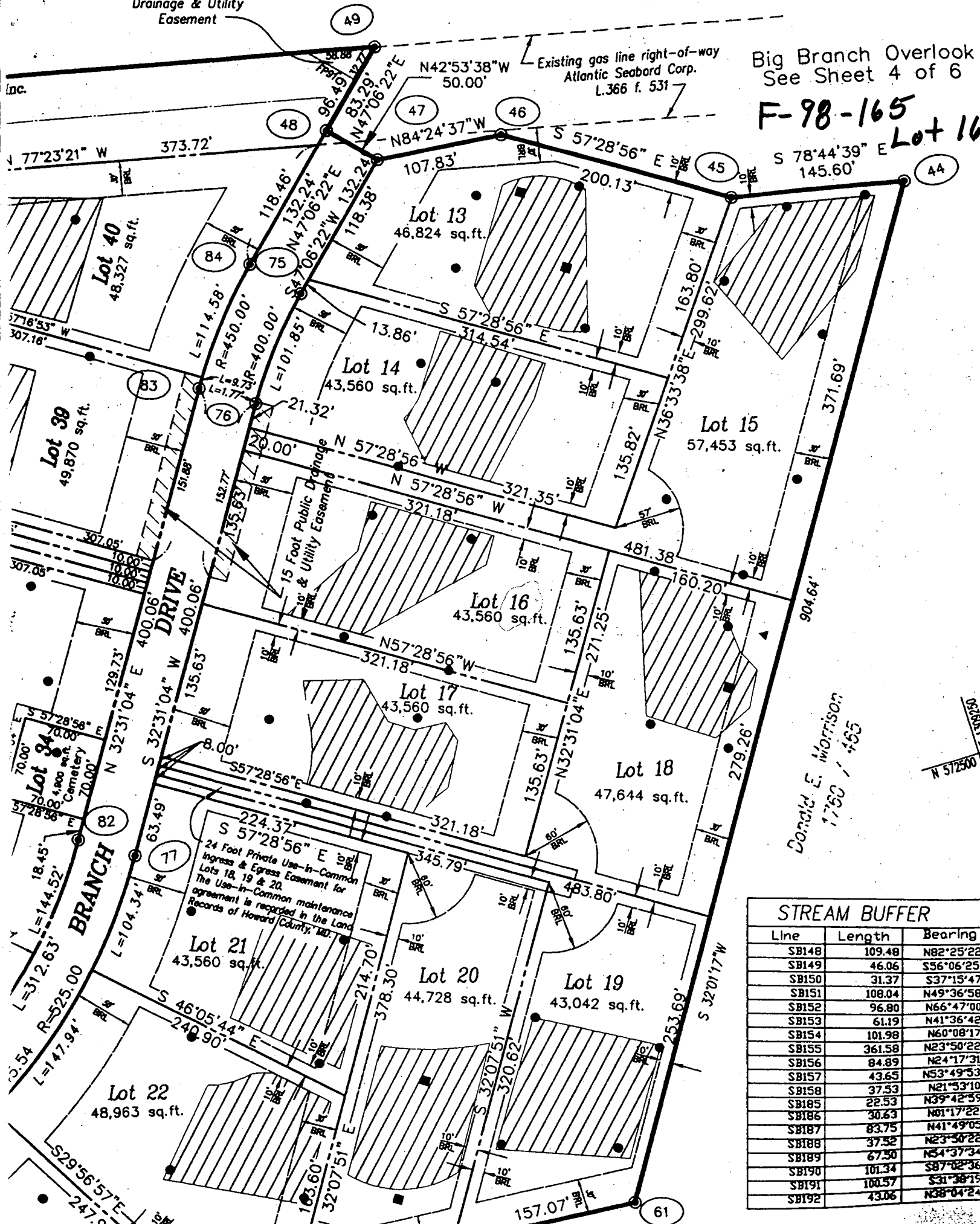
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 8 TRENCH WIDTH 3.0

INLET DEPTH 4'-6' MAXIMUM BOTTOM DEPTH 6'-8" SQ. FT./BEDROOM 210

100 Year Floodplain,  
Drainage & Utility  
Easement

Big Branch Overlook  
See Sheet 4 of 6

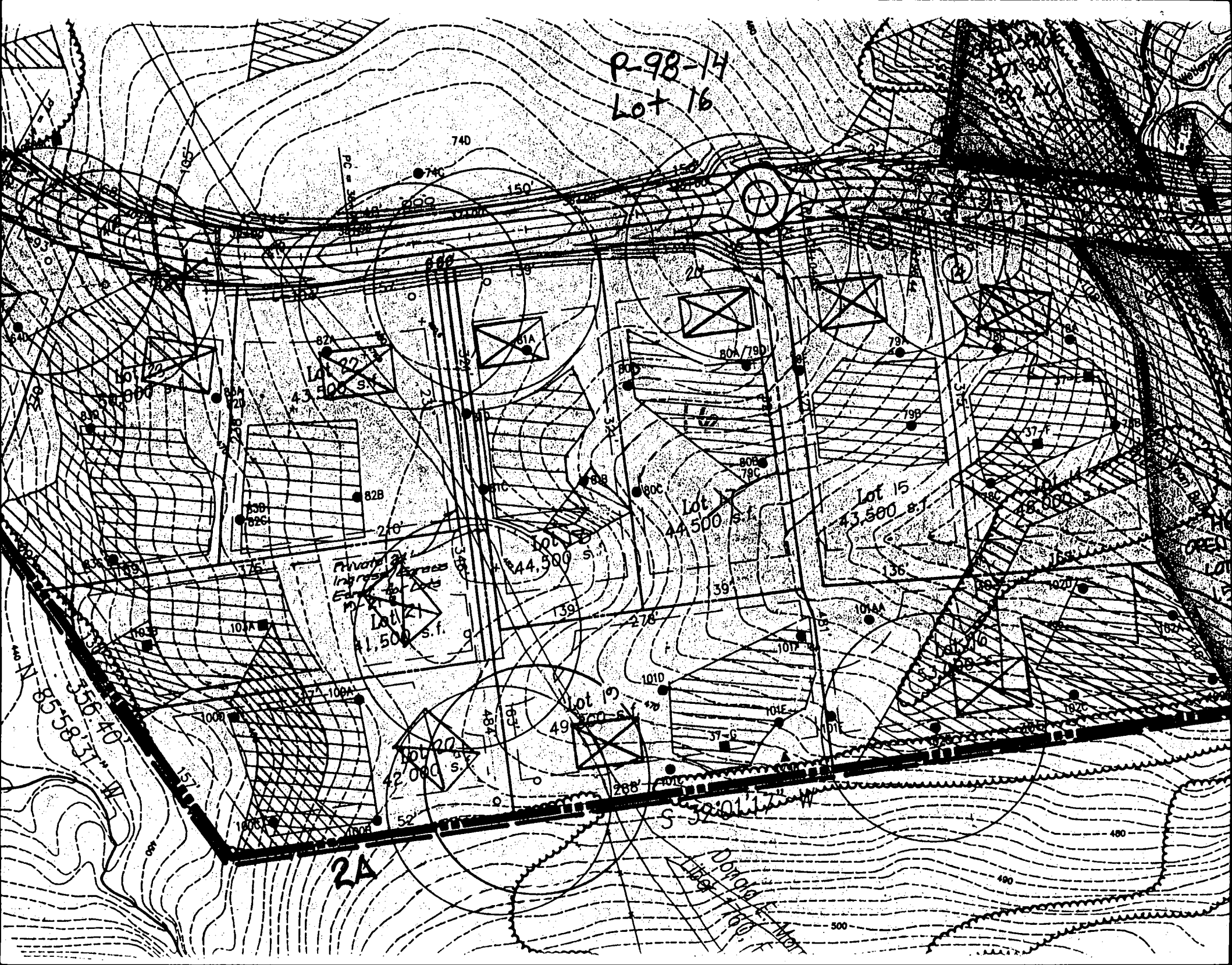
F-98-165  
Lot 16



Donald E. Morrison  
1760 / 465

STREAM BUFFER		
Line	Length	Bearing
SB148	109.48	N82°25'22"
SB149	46.06	S36°06'25"
SB150	31.37	S37°15'47"
SB151	108.04	N49°36'58"
SB152	96.80	N66°47'00"
SB153	61.19	N41°36'42"
SB154	101.98	N60°08'17"
SB155	361.58	N23°50'22"
SB156	84.89	N24°17'31"
SB157	43.65	N53°49'53"
SB158	37.53	N21°53'10"
SB185	22.53	N39°42'39"
SB186	30.63	N01°17'22"
SB187	83.75	N41°49'05"
SB188	37.52	N23°50'22"
SB189	67.50	N54°37'34"
SB190	101.34	S87°02'36"
SB191	100.57	S31°38'15"
SB192	43.06	N38°04'24"

P-98-14  
Lot 16



2A

356.40'  
85°58'31" W

Don't  
be  
a  
liar

500

400

400

# APPLICATION

PERCOLATION TESTING

A 57577

P \_\_\_\_\_

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

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 410-489-4630

PROPERTY LOCATION: BIG BRANCH OVERLOOK - BIG BRANCH DRIVE

UBDIVISION ~~ELLICOTT CITY~~ LOT NO. 16

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

A52577

COUNTY #

SOIL PROFILE

Empty box for soil profile notes.

80C

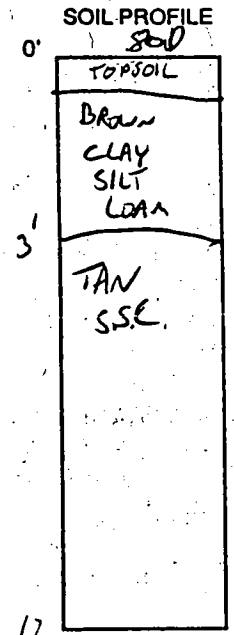
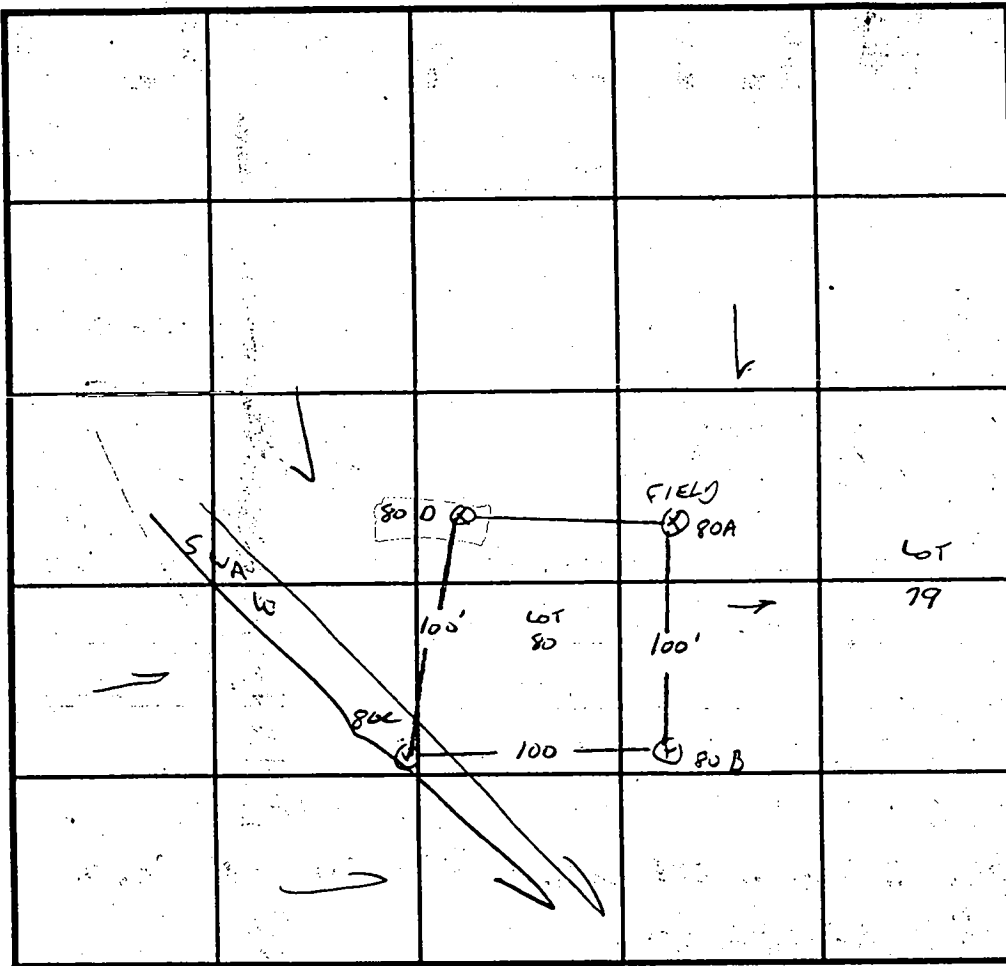
TOPSOIL

Brown C.C.

Brown OLIVE S.S.C.

15% Rock

DRY



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/3/96	80D	2.5 / 12V	10:46	10:48	10:48	10:52	4MIN
		8Vok					
	80C	11 / 12	11:06	11:08	11:08	11:12	4MIN
		8Vok					
	80B / 79C	3.5 / 11.5	11:06	11:08	11:08	11:11	3MIN
		7V	10:57	11:01	11:01	11:05	4MIN
	80A / 79D	2.5 / 11V	11:15	11:17	11:17	11:22	5MIN
		8Vok					

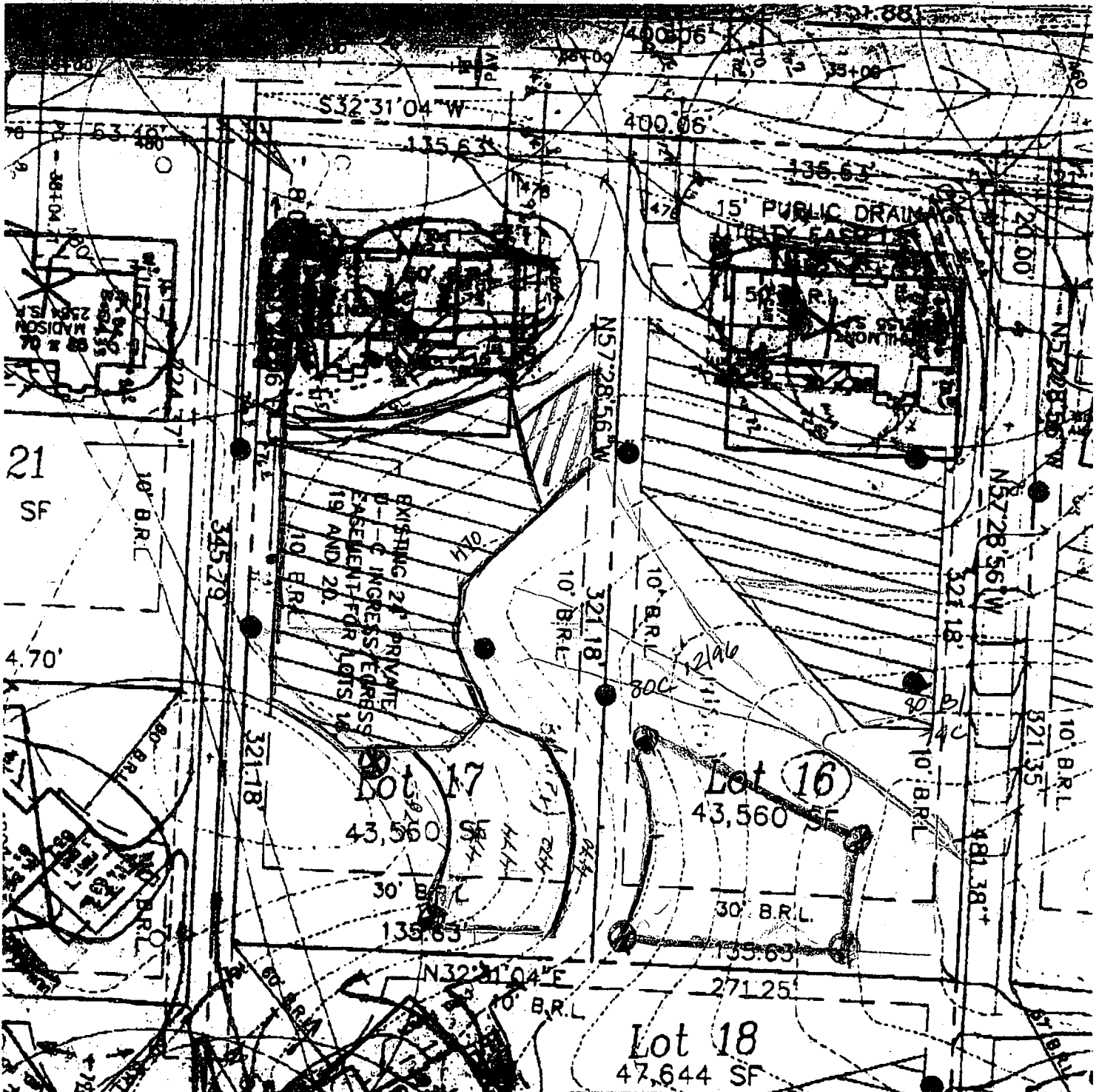
REMARKS ~~Good~~ Lot 16 ~~16~~

TYPE OF SOIL \_\_\_\_\_

TESTED BY G. SAVAGE ALSO PRESENT C. SHARP, R. DEATY, M. ZUCKER

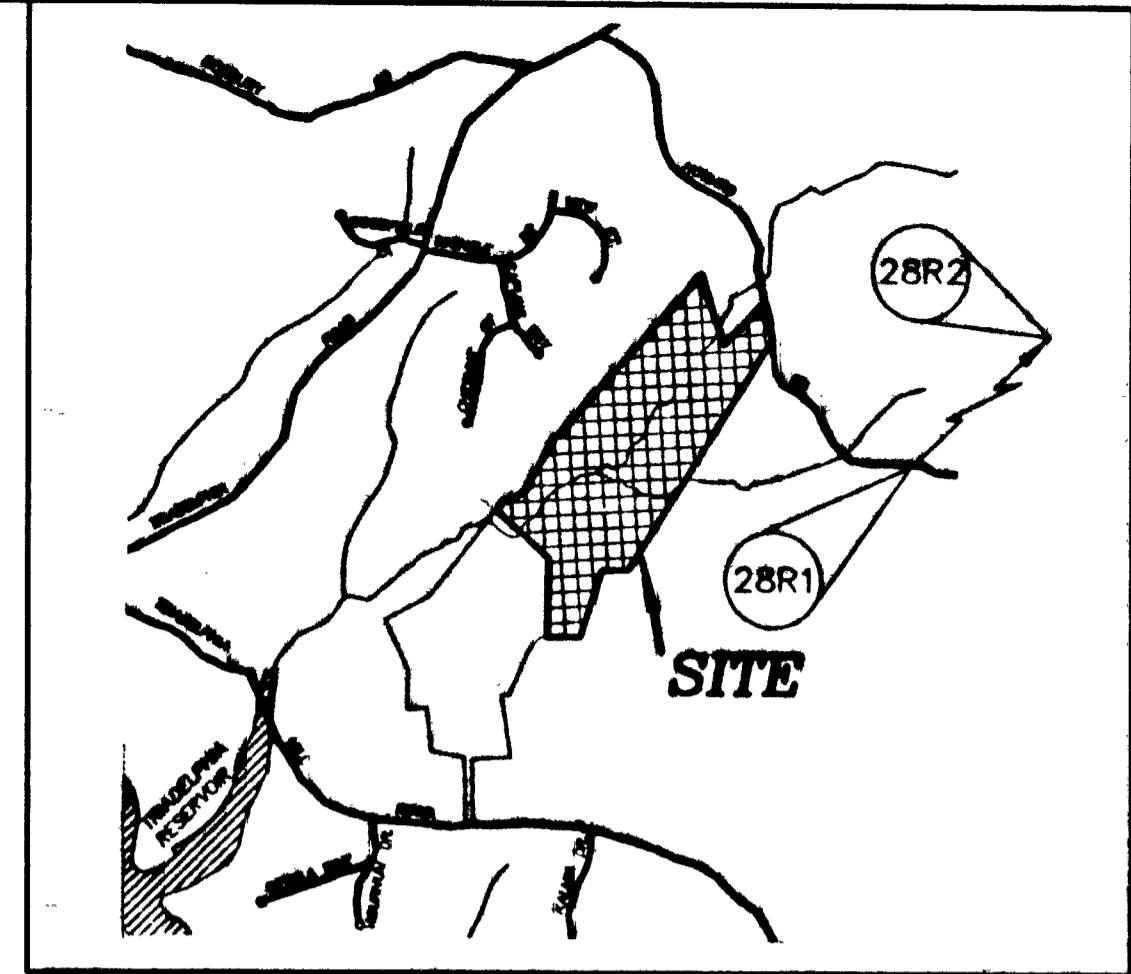
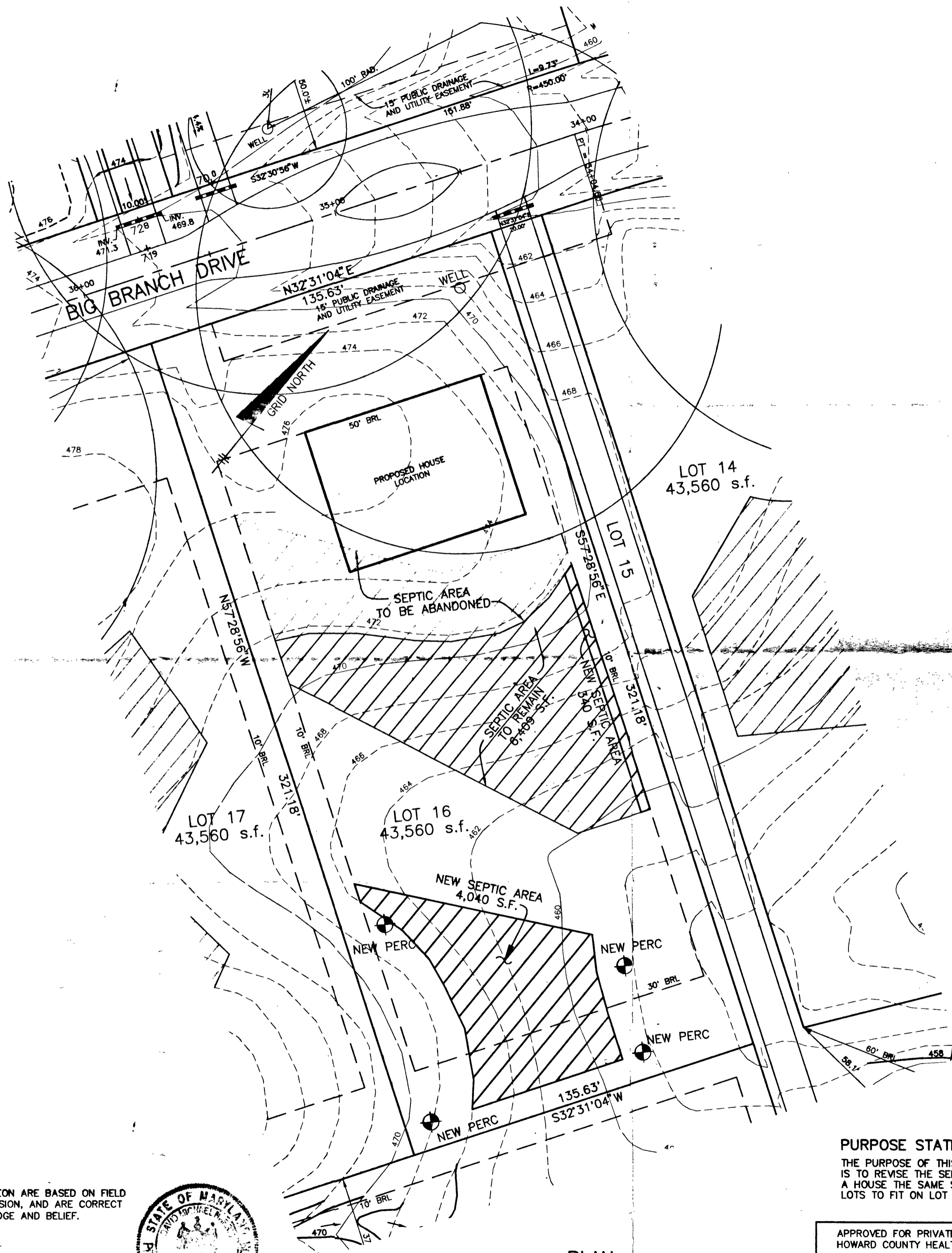
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



2/7/01 LOT 17  
 Looks like some adjust.  
 is possible - see above -  
 w/out reperc. Any adjust  
 toward back of lot  
 would need reperc.  
 AUL

2/7/01 LOT 16  
 I don't see any adjust.  
 possible w/o reperc.  
 If you reperc - they could  
 have a split septic system  
 as shown.  
 A McMullen



VICINITY MAP  
SCALE: 1" = 2000'

GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
2. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
3. TOPOGRAPHY SHOWN WAS TAKEN FROM THE GRADING PLAN FOR BIG BRANCH OVERLOOK, GP-00-97.

**BENCHMARK**  
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS  
**ENGINEERING, INC.**  
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 FAX: 410-465-6644

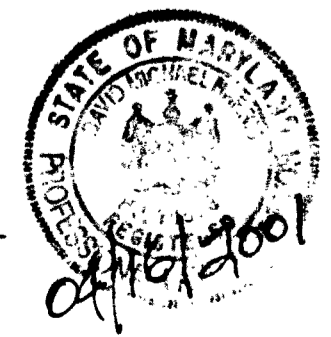
PROJECT:		<b>BIG BRANCH OVERLOOK LOT 16</b>	
LOCATION:		TAX MAP 27, GRID 6 - PARCEL 140,141,142 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE:		<i>Revised</i> <b>PERCOLATION CERTIFICATION PLAN</b>	
DATE:	APRIL 16, 2001	PROJECT NO.	1322
SCALE:	AS SHOWN	DRAWING	1 OF 1

**PURPOSE STATEMENT**  
THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC FIELD FOR LOT 16 TO ALLOW FOR A HOUSE THE SAME SIZE AND STYLE AS THE SURROUNDING LOTS TO FIT ON LOT 16.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT  
*David M. Harris* 4/24/01  
HOWARD COUNTY HEALTH OFFICER BB DATE

I CERTIFY THAT THE PERC LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

*David M. Harris*  
DAVID M. HARRIS  
MD. REGISTERED PROFESSIONAL LAND SURVEYOR  
FOR BENCHMARK ENGINEERING, INC.  
MD. NO. 351  
DATE



PLAN  
SCALE: 1" = 30'