

50411 A+B

COUNTY #

SOIL PROFILE

F, E, A

0' Yellow Silt
Yellow Silt
Red ChL
mix

5-6' Mix of yellow
silt
and Red/Tan
clayey loams

7' Tan-pale
yellow
Ch Loams

13'

K, D, I, B

Yellow Silt

Mix of
and Tan
Ch Silt-L

4'

fine streaks of
phyllite
bed in above
Ch Silt-L

10-25%
angular small
to medium
ch

12'

C

Yellow Silt

Yellow Silt

3 1/2'

Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt

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Yellow Silt

Yellow Silt

Yellow Silt

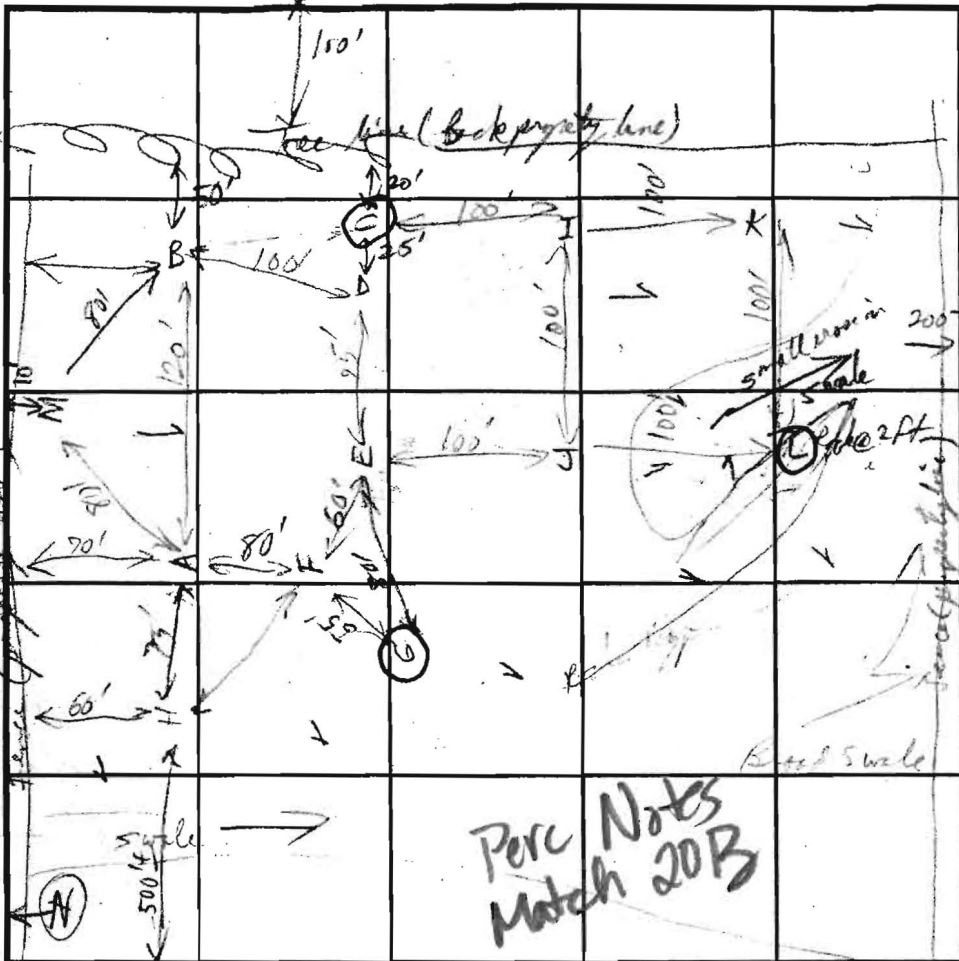
Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt

Yellow Silt



Generally 1' ch with 1 day #

SOIL PROFILE

E

0' Mix Yellow Silt

3' Mix Heavy Yellow Silt

5'

6'

Tan + light brown ch loams

15-25% small-med channels

15'

Hole J

Mix Yellow Silt

4'

pale yellow ch loam

14'

11'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Congress Rd

Hole K - Success B - Visual check - 12' deep

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/9/94	A	4'	11:02	11:22	pulled No Moisture			
	x below 5'	6'	11:24	11:26	11:26	11:30	4 min	
	ok below 4'	3'	11:10	11:30	11:32	11:55	23 min	
	in layer 20% channels (phyllite) upon	5 1/2'	11:34 11:39:00	11:35 11:41:30	11:37 11:44:30		31 min	
	C	10'	too rocky	10' record perc @ bottom			Fail	
	D	15'	Most 2:35	3:20	45 min - 1st		Too Slow - ok at 6'	
	E	15'	12:30	pulled casing	11:20 no record			
		3 1/2'	12:52	pulled				
		6'	2:39	2:54	2:54	3:15	21 min	
	G	17 1/2'	Repaired - 100' rocky				Fail	
	F	13'	6'	2:42	2:49	2:49	2:52	5 min
	I	14'	6'	2:54	3:00	3:00	3:15	16 min
	J	14 1/2'	6'	2:53	pulled 3:20 1/2" too slow			
	H	12 1/2'	5'					

REMARKS _____

TYPE OF SOIL _____

TESTED BY R. P. Kelly ALSO PRESENT Joe Mowbray
Jim Reiss

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

12/9/74 RHP

Hole #1

[H]

V 12 1/2 5' 3:29 → 3:34 → 3:42

8 min

3' Red CL

6' Yel SIL

Max above dark
ch. horizon - 6' bit
4 20% phyllite

Hole #1

[M]

V 15' Visual only

Red brn - Yel sil
3-4' SIL

frag + Red brn
max of hL

subvental sil
chromaceous 30%

10' silty 30% SL

pale bl/gray sil
No Strms ↓

5' SL

D later at 9 ft 3:52 → 3:54 → 3:58
/ updates at 6 1/2 or 7 ft

4 min OK below 7'

5 later @ 8 ft 4:01 → 4:19 → 4:56

37 min

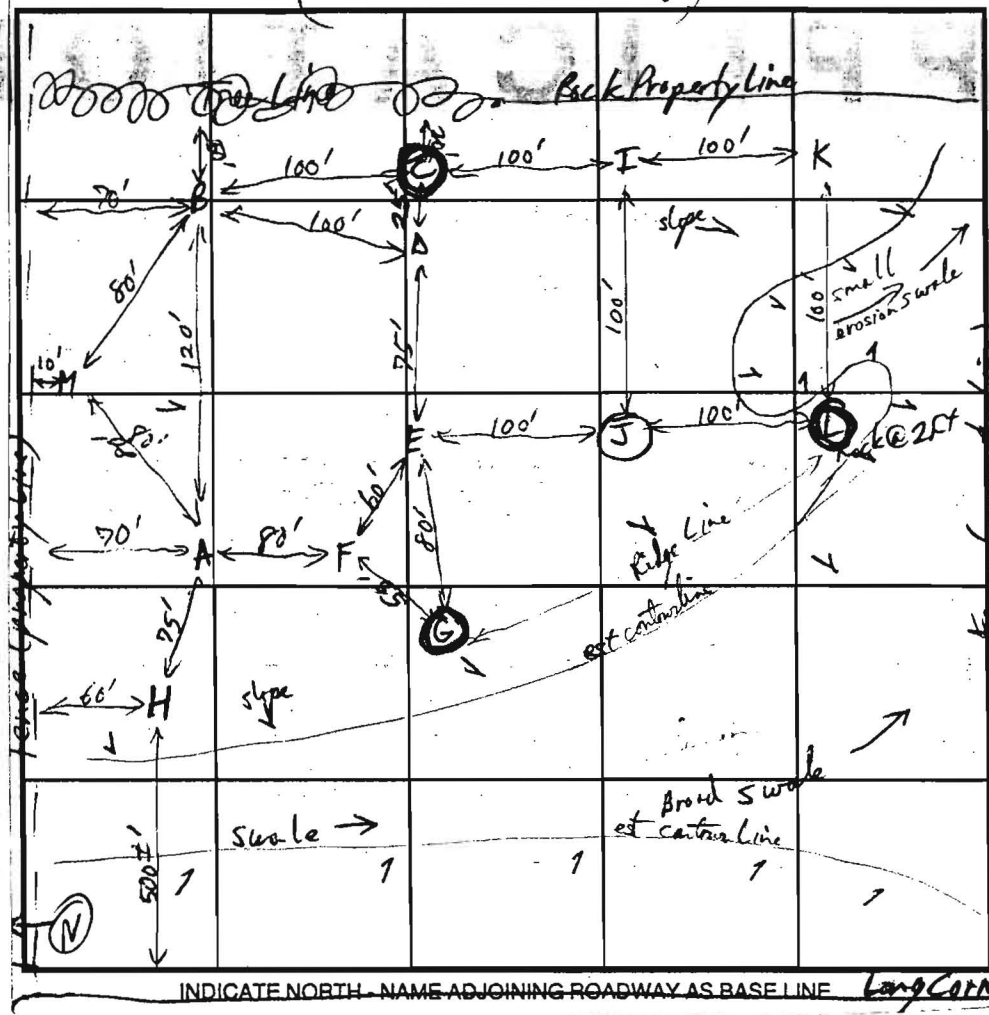
80411B
COUNTY #

(2 SHEETS A & B!)

ORIG. NOTES IN 20-A file

SOIL PROFILE H
0'
Red CL
3'
yel SIL
6'
Mix colors dark
ch mica loam
& pockets of
20% phyllite
channers
12'

SOIL PROFILE M
0'
red brn - yel red
SIL
3-4'
grey + red brn
mix of
h loam -
and neutral brn
loam
30% channers
10'
strong 30% SL
pale red / purple
tan
SL
No stones
15'

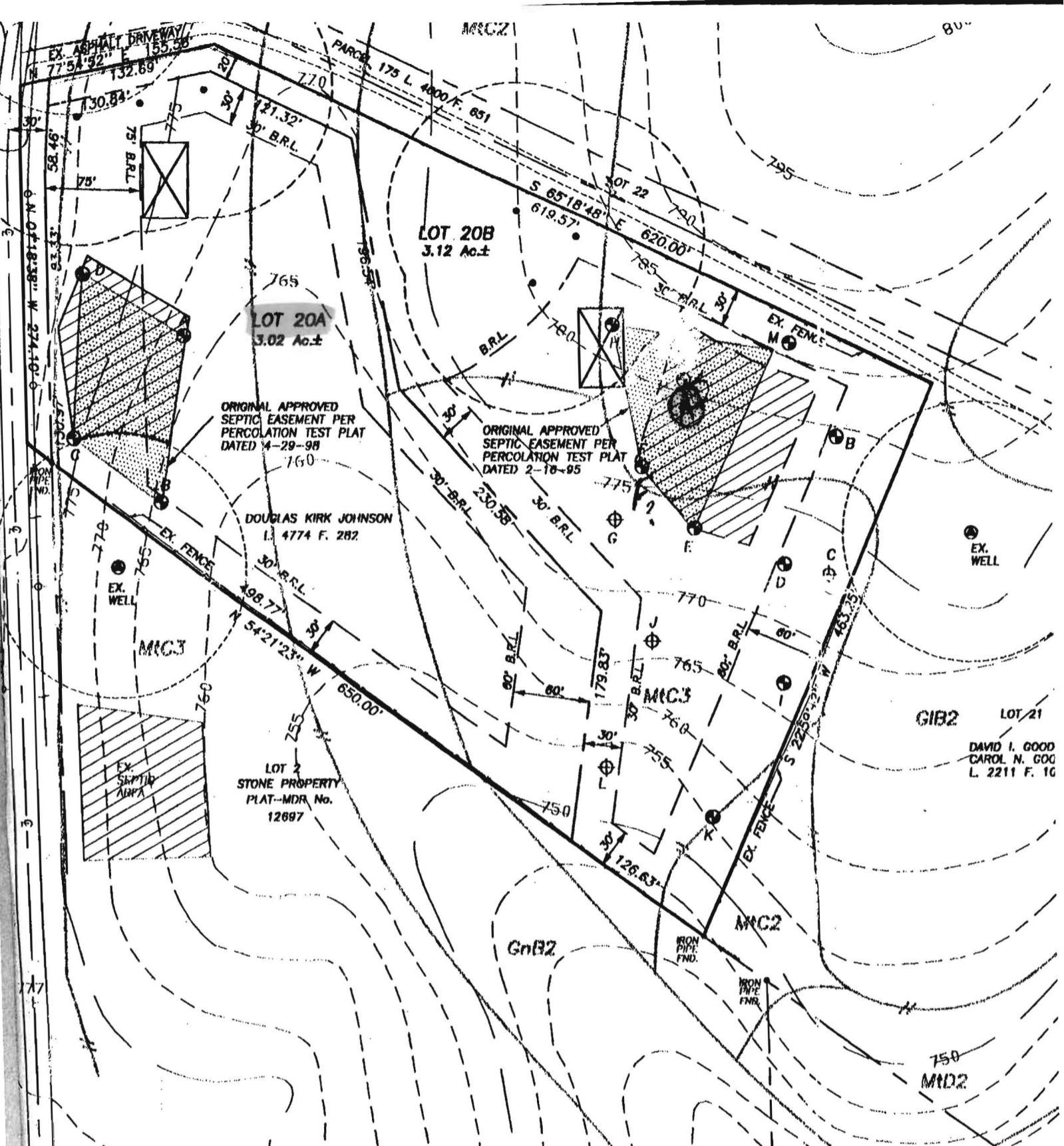


SOIL PROFILE
0'
15'
4'
14'

THIS SIDE AT BOTTOM
6' sand bedded
14' yellow clay
10' yellow clay
10' yellow clay

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/9/94	F	13' 6"	2:42	2:49	2:47	2:52	5min
	I	14' 6"	2:54	3:00	3:00	3:16	16min
	J	14 1/2' 6"	2:53	pulled 3:20	1/2" orient	in 27min	Too slow at 6'
	H	12 1/2' 5'	3:29	3:34	3:34	3:42	8min
	J	Retest 8'	4:01	4:19	4:19	4:56	37min @ 8' Fail
	G	17 1/2'	Refusal - Too Rocky				Fail
	L		Rocky @ 25'				Fail
	K	(same as B)	Visual only to 12'				O.K.

REMARKS _____
 TYPE OF SOIL Chester
 TESTED BY R. J. Hickey ALSO PRESENT Joe Howry
Jim Reese
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



Copy of signed perc cert
 by Co. Health Officer on
 2/14/03

THE PURPOSE OF
 EASEMENT CONFIG
 CONDITIONS FROM
 APRIL 29, 1998

I HEREBY CERTIFY
 WITHIN 100 FEET
 OTHERWISE SHOWN
 I FURTHER CERTIF
 BEEN FIELD LOCAL
 IF PROPOSED ANI

OWNER:

DOUGLAS KIRK JOHNSON
 C/O FORTY WEST GROUP, INC.
 3230 BETHANY LANE
 SUITE 1
 ELLICOTT CITY MD. 21042
 410-418-8900

Soura
 SOURABH G. MUNSHI,



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

February 23, 1995

Mr. Joseph J. Johnson
22201 Georgia Avenue
Brookeville, Maryland 20833

RE: PERCOLATION TESTING
Proposed Subdivision
C.R. Naples Farm, Lot #20
Longcorner Road

Dear Mr. Johnson:

A percolation test date has been reserved for Tuesday, April 4, 1995 at 10:00 a.m.

This date is for continuation of testing which was recently unsuccessful elsewhere on the property.

You will be responsible for having a contractor on-site to excavate test holes at the corners of proposed percolation area.

Please call this office between 8:30 a.m. and 4:30 p.m., Monday through Friday, to confirm your acceptance of this percolation test date.

Thank you for your cooperation in this matter.

Very truly yours,

Craig Williams, Program Director
Water and Sewerage Program

CW:vr

cc: File



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

January 12, 1995

Mr. Joseph Johnson
22201 Georgia Avenue
Brookeville, MD 20833

RE: Percolation Test Results
Application#(s) A50411 A&B
Proposed Use: Subdivision
Recorded Lot
Property ID: Naples Property,
Lot #20, Long Corner Road
Tax Map 6, Parcel 224

Dear Mr. Johnson:

Percolation testing conducted December 9, 1994 on the above referenced property indicated limited satisfactory soil conditions.

Limiting soil conditions were fractured rock at shallow depths, often associated with excessively fast percolation rates, and slow percolation rates at various soil depths in other test holes.

Copies of the percolation test results are enclosed.

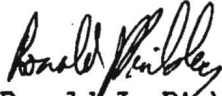
The most promising area is that area comprised of test holes A, B, E, F, H and M. It remains unclear whether this area is large enough and properly situated to accommodate two buildable lots.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site. The plat should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100' of property boundaries have been shown.

Mr. Joseph Johnson
Page 2

This should be submitted within sixty (60) days to allow field verification if necessary. If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 313-2640.

Very truly yours,

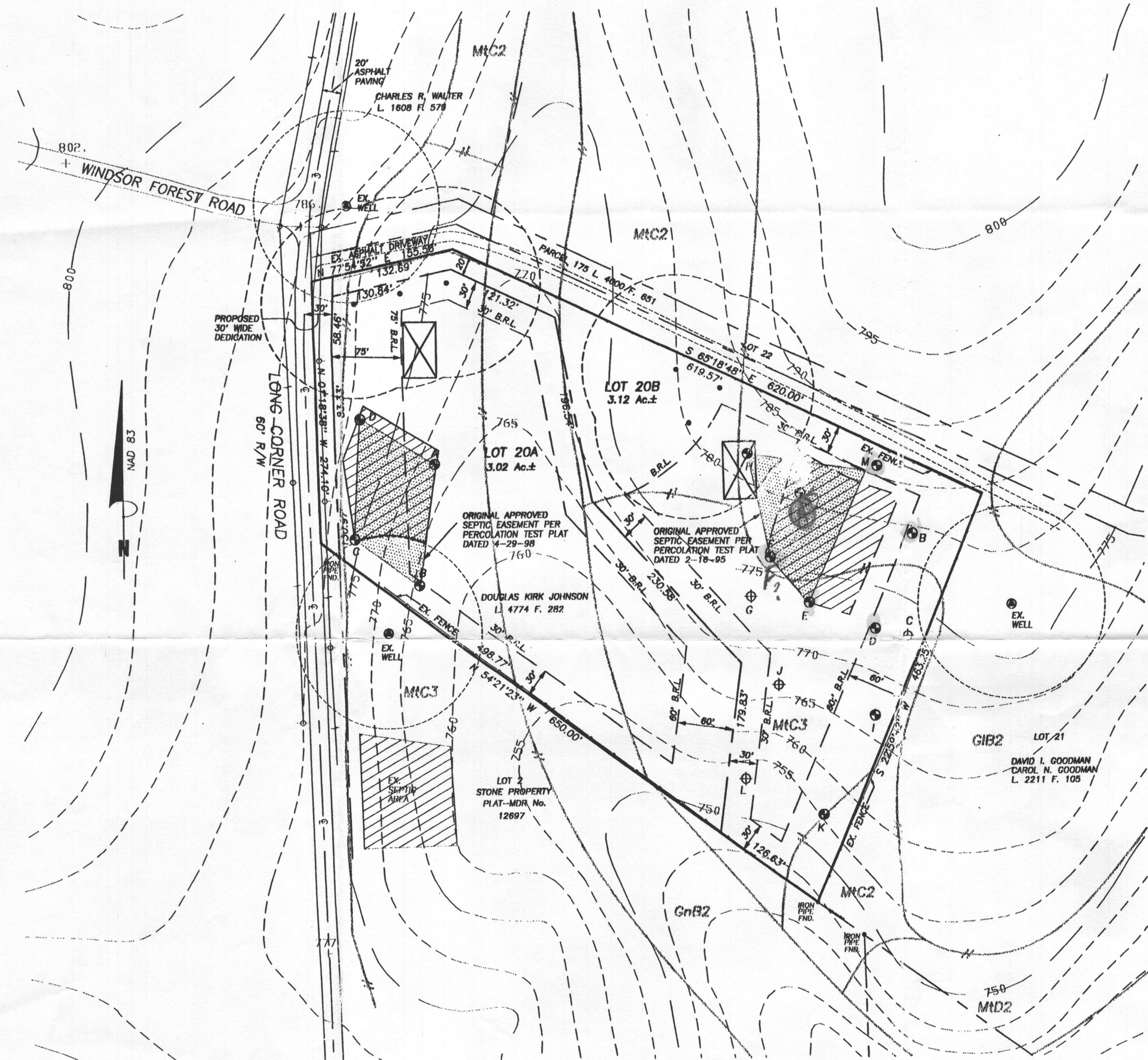
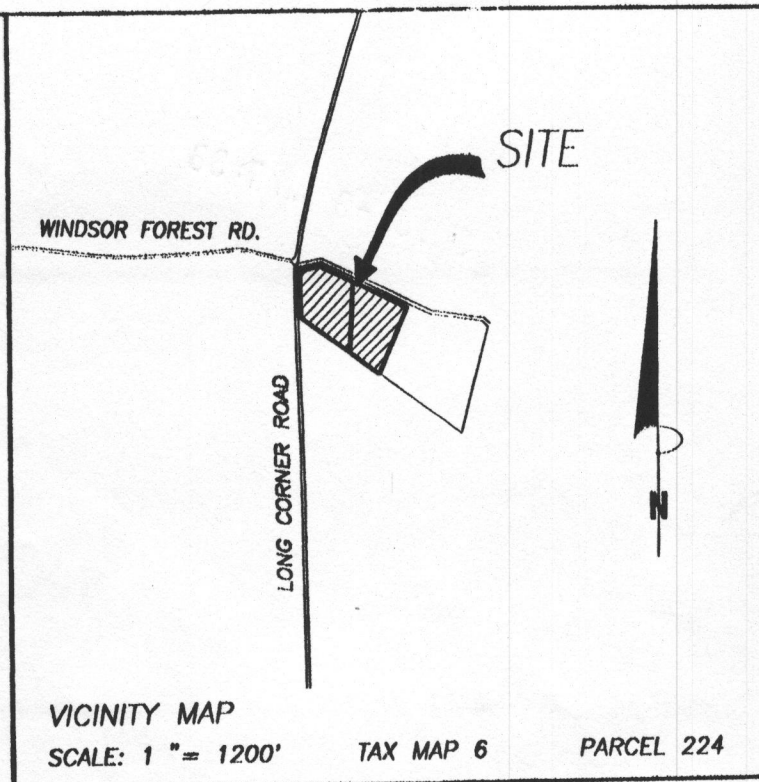


Ronald J. Pinkley, R.S.
Water and Sewerage Program

RJP:vr

Enclosures

cc: File



- GENERAL NOTES:
- OWNER: DOUGLAS KIRK JOHNSON
DEED REFERENCE: LIBER 4774 FOLIO 282
DATE: MAY 20, 1999
GRANTORS: JOSEPH JAMES JOHNSON
BERNICE BITNER JOHNSON
 - TAX MAP: 6 GRID: 16 PARCEL: 224
 - NEAREST POTABLE WATER SUPPLY: MT. AIRY
DISTANCE: 2 MILE ±
 - THERE IS NO FLOOD HAZARD (100 YEAR FLOOD PLAIN) LOCATED ON THIS PROPERTY ACCORDING TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL # 240044 0006 B, REVISED DECEMBER 4, 1986
 - TOPOGRAPHY: HOWARD COUNTY DATUM
CONTOUR INTERVALS ARE AT 5 FEET.
 - THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
 - SOIL TYPE:
MT. AIRY CHANNERY LOAM (MTC2, MTC3,)
GIFNFG (GIB2)
GLENVILLE (GnB2)
HOWARD COUNTY SOILS MAP No. 5
 - ZONING DISTRICT: RCDEO
 - The lots shown hereon comply with the minimum ownership, width and lot areas as required by MDC (R)

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL.

IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

EXISTING PASSED PERCOLATION TEST SITE:

EXISTING FAILED PERCOLATION TEST SITE:

EXISTING WELL:

PROPOSED HOUSE SITE:

PROPOSED WELL SITE:

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER DATE 2/14/03

OWNER:
DOUGLAS KIRK JOHNSON
C/O FORTY WEST GROUP, INC.
3230 BETHANY LANE
SUITE 1
ELLCOTT CITY MD. 21047
410-418-8900

THE PURPOSE OF THIS PLAN IS TO REVISE THE SEWERAGE EASEMENT CONFIGURATION, BASED ON CURRENT FIELD CONDITIONS FROM THE PERCOLATION TEST PLAT APPROVED APRIL 29, 1998

I HEREBY CERTIFY THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
I FURTHER CERTIFY THAT THE PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED IF EXISTING AND ACCURATELY STAKED IF PROPOSED AND SHOWN HEREON.

SOURABH G. MUNSHI, PROF. L. S., MD. REG. # 10770 DATE 2/15/03

DATE	REVISIONS
2-3-03	PER H.D. COMMENTS



PERCOLATION CERTIFICATION PLAN
JOHNSON PROPERTY
LIBER 4774 FOLIO 282
LONG CORNER ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' JANUARY, 2003

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. Box 328 Mount Airy, Maryland 21771
(301) 829 2890 (301)831 5015 (410) 549 2751

File name: T:\E\JOBS\A2-4663\A2-4663