



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ **AP 520352**

AGENCY REVIEW: _____ DATE 5/12/2004

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 4 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE *UNKNOWN* IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Chris Tiede

DAYTIME PHONE 443-277-2970 CELL _____ FAX 410-489-5007

MAILING ADDRESS 1720 Saint Michaels Rd Woodlawn MD 21797
STREET CITY/TOWN STATE ZIP

APPLICANT Chris Tiede

DAYTIME PHONE 443-277-2970 CELL _____ FAX 410-489-5007

MAILING ADDRESS 1720 Saint Michaels Rd Woodlawn MD 21797
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
 SUBDIVISION/PROPERTY NAME N/A LOT NO. _____

PROPERTY ADDRESS 1720 Saint Michaels Rd Lubbock
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE 3¹/₂ Acres

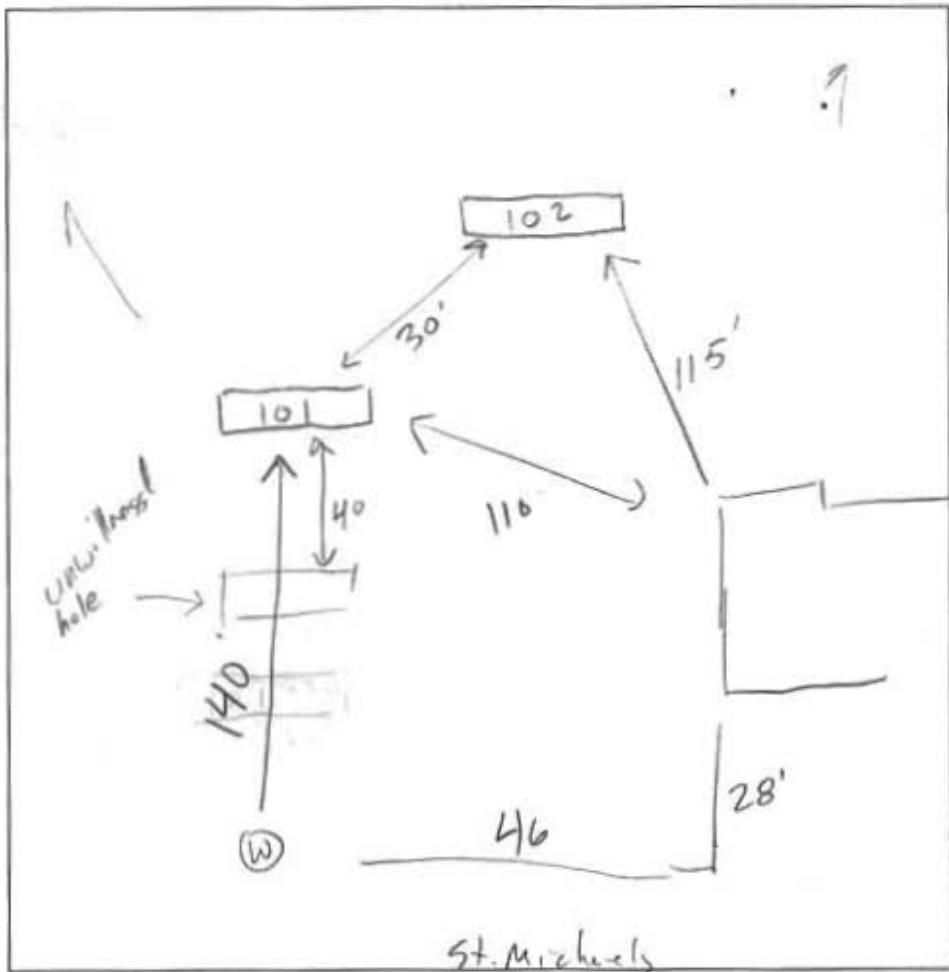
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. _____
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP
101
Yellow
brown
rotted
SCL
3
Yellow red
SCL w/ 10-15%
churny frags
5
Yellow
red
CWL
w/ 15-20%
churny frags
12

102
Yellow red
SCL
w/ 5-10%
C
Yellow red
CWL w/ 10-15%
churny
frags
13



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
6/4/04	101	6 12	9:09	9:19	9:35	16	P
6/4/04	102	6 1/2 13	9:23	9:38	9:58	20	P

REMARKS _____
 SANITARIAN J. Bor. BACKHOE ACE OTHERS C. Trade
 TEST HOLES USED IN SDA 101 + 102 AVG. PERC TIME 18 SQ. FT/BR 240
 TRENCH WIDTH 3 INLET DEPTH 4 MAX. BOT DEPTH 8 EFFECTIVE SW 2
 $4 \times 240 = 960 \div 3 = 320 \times .62 = 198$

APPLICATION

PERCOLATION TESTING

A517436

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

Repl. Dwelling
Ex Parcel of Record
10K Recommended
Not Req'd
Test in the Rock

P _____

DISTRICT _____

DATE 8/23/02

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 SYS

PROPERTY OWNER C.T. CONTRACTING INC. ATTN: MR. CHRIS Tiede

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

Mailing Address
ADDRESS 6760 Summer Rd. Clarksville MD. PHONE (443) 277-2970

21029 Fax (410) 531-3097

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION 1720 SAINT MICHAELS RD. WOODBINE MD
21797

TAX MAP 7 PARCEL # 255

SIZE OF LOT 3 Ac. TYPE BLDG. S.F.D.
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAN
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGRI
COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Richard Y. Fisher (agent)
(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

601

reddish orange SiCL w/55-60% shaly frags

8 1/2 refusal

602

reddish orange L w/25-30% channery frags

14

603

Brown CL w/ < 10% channery

2

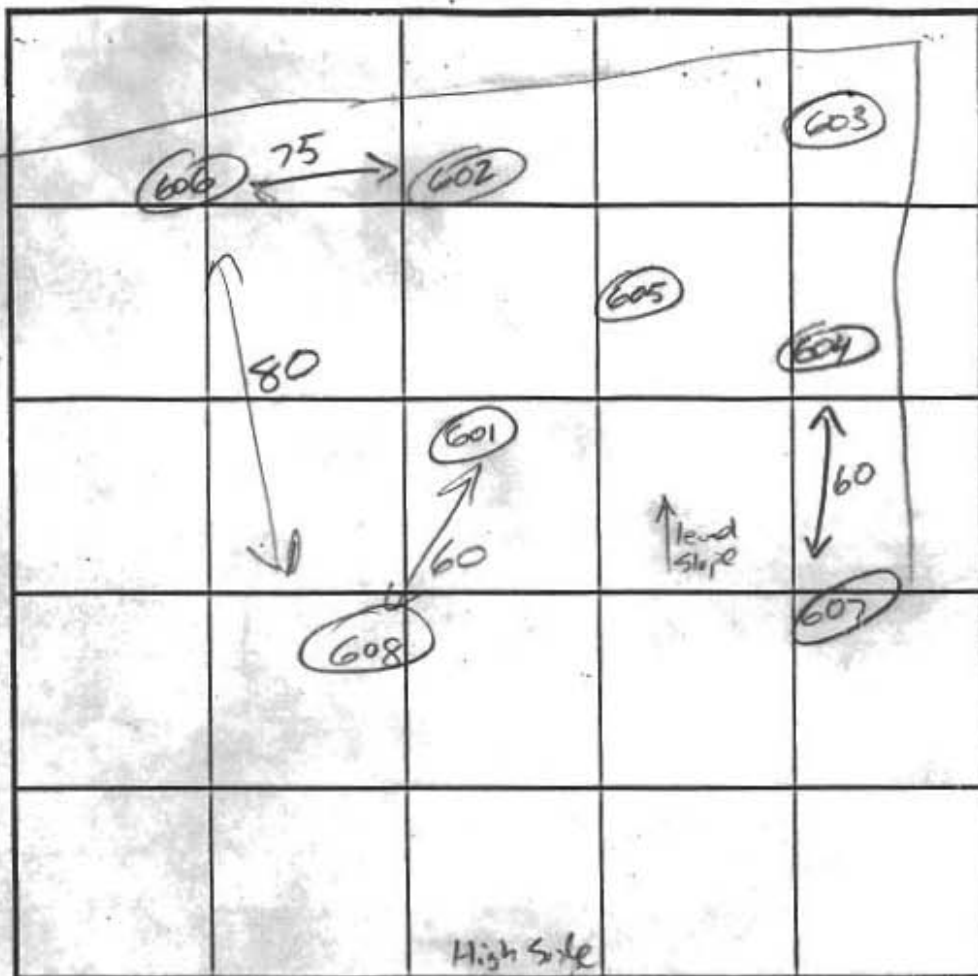
reddish orange CL w/20-25% channery frags

6

reddish orange CL w/50% channery frags

13

hard bottom



SOIL PROFILE

604

reddish orange SiCL w/35-40% channery frags

5

reddish orange SiL w/45-50% shaly frags

12

hard bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

St. Michaels Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/24/02	601	8 1/2 ✓					F
9/24/02	602	4 / 14	9:54:30	9:59:15	9:59:15	10:13:00	13:15
9/24/02	602	7 1/2 / 14	9:53:30	9:57:45	9:57:45	10:06:30	9:30
9/24/02	603	4 / 13	10:27:00	10:41:30	10:40:30	11:10:00	
9/24/02	603	7 / 13	10:30:45	10:33:00	10:33:00	10:37:30	4:30
9/24/02	604	4 / 12	10:51:15	Stopped @ 11:30	3/4 in Peak in 1/2 hr		Fellow
9/24/02	604	8 / 12	10:58:30	11:05:45	11:05:45	11:13:45	8

REMARKS Holes 601-605 Dug to plan

TYPE OF SOIL _____

TESTED BY J. Boris

ALSO PRESENT APC + Chris Tiede

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A517436

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

Repl. Dwelling
Ex. Parcel of Record
10K $\frac{1}{2}$ Recommended
Not Req'd
Test in the Rock

P _____

DISTRICT _____

DATE 8/23/07

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 SYS

PROPERTY OWNER C.T. CONTRACTING INC. ATTN: MR. CHRIS Tiede

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

Mailing Address
ADDRESS 6760 Summer Pl. Clarksville MD. PHONE (443) 277-2970

21029 Fax (410) 531-3097

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION 1720 SAINT MICHAELS RD. WOODBINE MD
21797

TAX MAP 7 PARCEL # 255

SIZE OF LOT 3 Ac. TYPE BLDG. S.F.D.
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAN
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE
COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Lachara Y. Fols (agent)
(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' 605
reddish orange
CL
w/ 30-40%
shaly
frag

6 reddish orange
SIL
w/ 50-60%
shaly

12 hard
bottom
606

reddish orange
SIL
w/ 65-70%
shaly

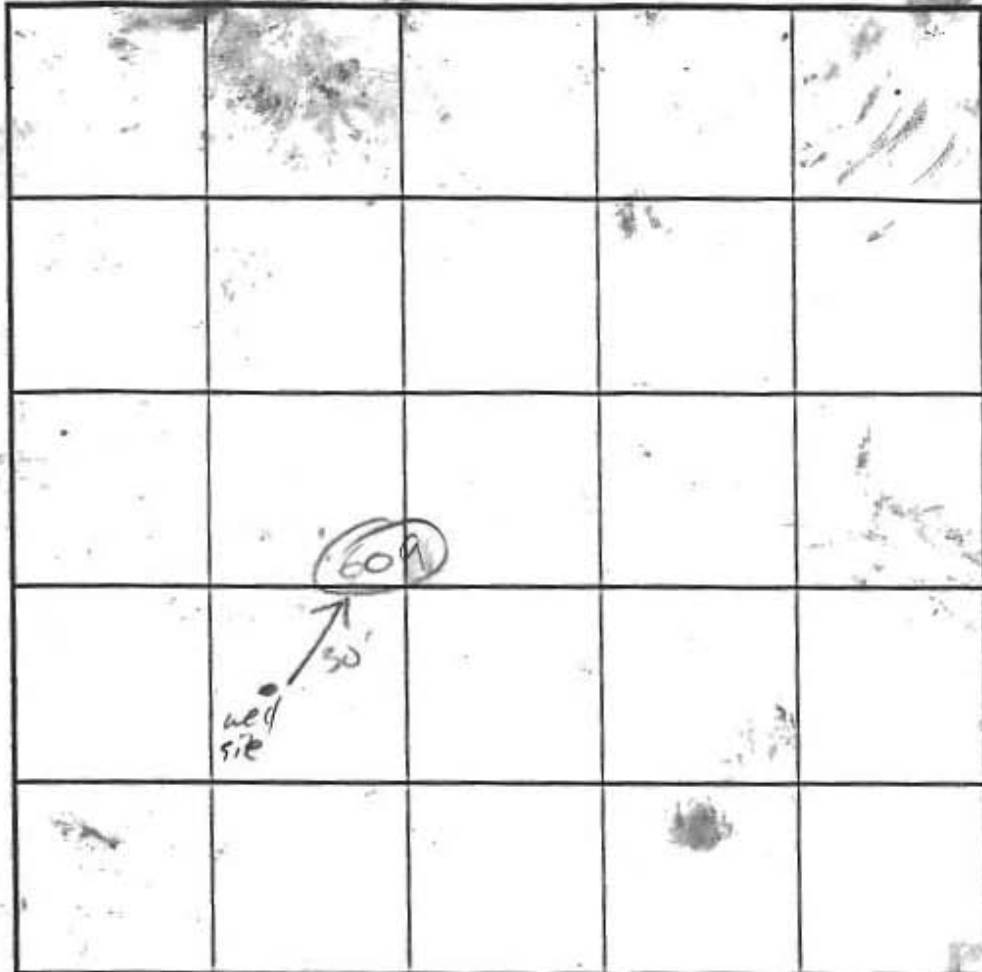
6 Hard

2 607
red brown
SIL w/ 20%
cherty
frag

reddish orange
CL w/ 40-50%
shaly

6 1/2 reddish orange
CL
w/ 65-70%
shaly

10 1/2



SOIL PROFILE

0' 609
reddish orange
CL
w/ 55-60%
shaly
frag
very hard

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/24/02	605	12V					
9/24/02	606	6U	No test				F
9/24/02	607	10 1/2 V	NO TEST				
9/24/02	608	5V	no test				
	609						

REMARKS _____

TYPE OF SOIL _____

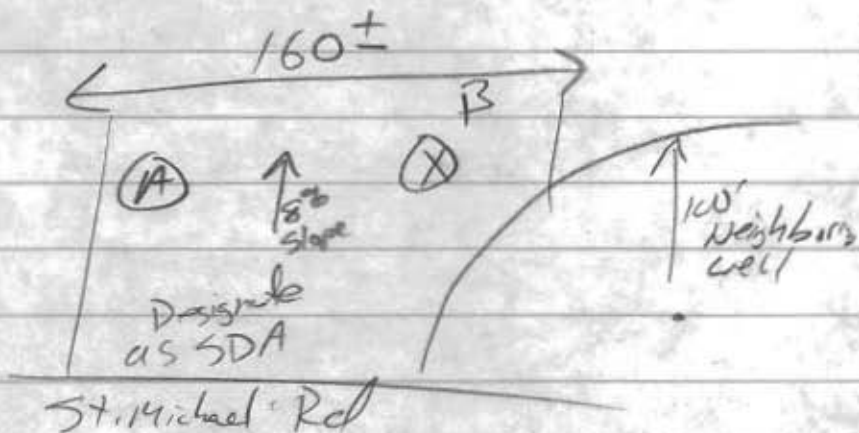
TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

A in Pitrometer

5 ⁵ / ₁₆	11:11:45
4 ² / ₁₆	11:15:15
3 ⁵ / ₁₆	11:18:30
2"	11:24:15



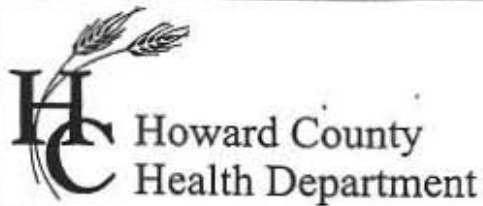
A open hole

PSS	11:12:45
P ₂ F	11:14:30
PF	11:16:45

B

PSS	11:43:15	10"
	11:49:45	9 ⁶ / ₁₆ "
	12:03:00	8 ¹ / ₁₆ "
	12:10:45	8 ⁹ / ₁₆ "
B	12:18:00	8 ² / ₁₆ "

PSS	11:44:45
PSF	11:55:45
PF	12:15:15



3525 H Ellicott Mills Drive • Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

October 30, 2002

C.T. Contracting Inc.
Att: Chris Tiede
6760 Sanner Road
Clarksville, Maryland 21029

RE: PERCOLATION TEST RESULTS-A517436
Tax Map 07, Parcel 255
1720 St. Michaels Road

Dear Mr. Tiede:


Percolation testing conducted September 24, and October 24, 2002 on the referenced property indicated limited satisfactory soil conditions. The primary limiting factors were shallow depth to bedrock and deep clay layers. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations and elevations of all excavated test holes
- 2) a suitable house and well site for each lot
- 3) two replacement well sites or approximately 1500 square feet of approvable well area for each lot
- 4) all existing wells and septic reserve areas on the property
- 5) locations of any other relevant features such as streams, swales, or existing structures
- 6) a note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 7) a note indicating that depicted topography reflects field-matched information
- 8) a health officer signature block stating "approved for private water and private sewage systems"
- 9) a MDE sewage disposal area statement is required

As a result of the soil conditions, an at-grade mound system is needed to provide adequate effluent treatment. In order for this to occur an unusually long and linear septic disposal area (SDA) will be required. The area is to be 50' X 160' (approximately 8'000 square feet for 3 systems). This system is considered a mound type system and will require the *entire* proposed SDA must be fenced with orange construction fence. This will be field verified before the percolation certification plan is sent for signature. Once the perc cert is approved and discussion on the at-grade mound design may commence. Documentation of how the old well was abandoned must also be received prior to perc cert signature. This operation needed to be completed by a licensed well driller. See attached copies for further detail.

The percolation certification plat should be submitted within 60 days to allow field verification. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2640.

Very truly yours,


John A. Boris Jr., R.S.
Well and Septic Program

JB
Enclosures
cc: File

To: John Boris
From: Christian Tiede, Southern Kraft Builders (CT Contracting)

I am writing this letter in reference to the percolation certification at 1720 St. Michael's Road (Woodbine MD). You stated in your letter dated 10/30/02 (enclosed is a copy of the letter) that we must abandon an existing old pump well before the certificate can be issued. However, after investigation and removal of the old pump and base, we only discovered dirt under it and therefore was just used for decoration purposes. We ask that you would issue a certificate to be able to continue our process of building preparation. However, if we come across any matters of concern we will notify you immediately. Thanks again John for all your efforts on our perc tests. If you have any questions please contact me at 443-277-2970.

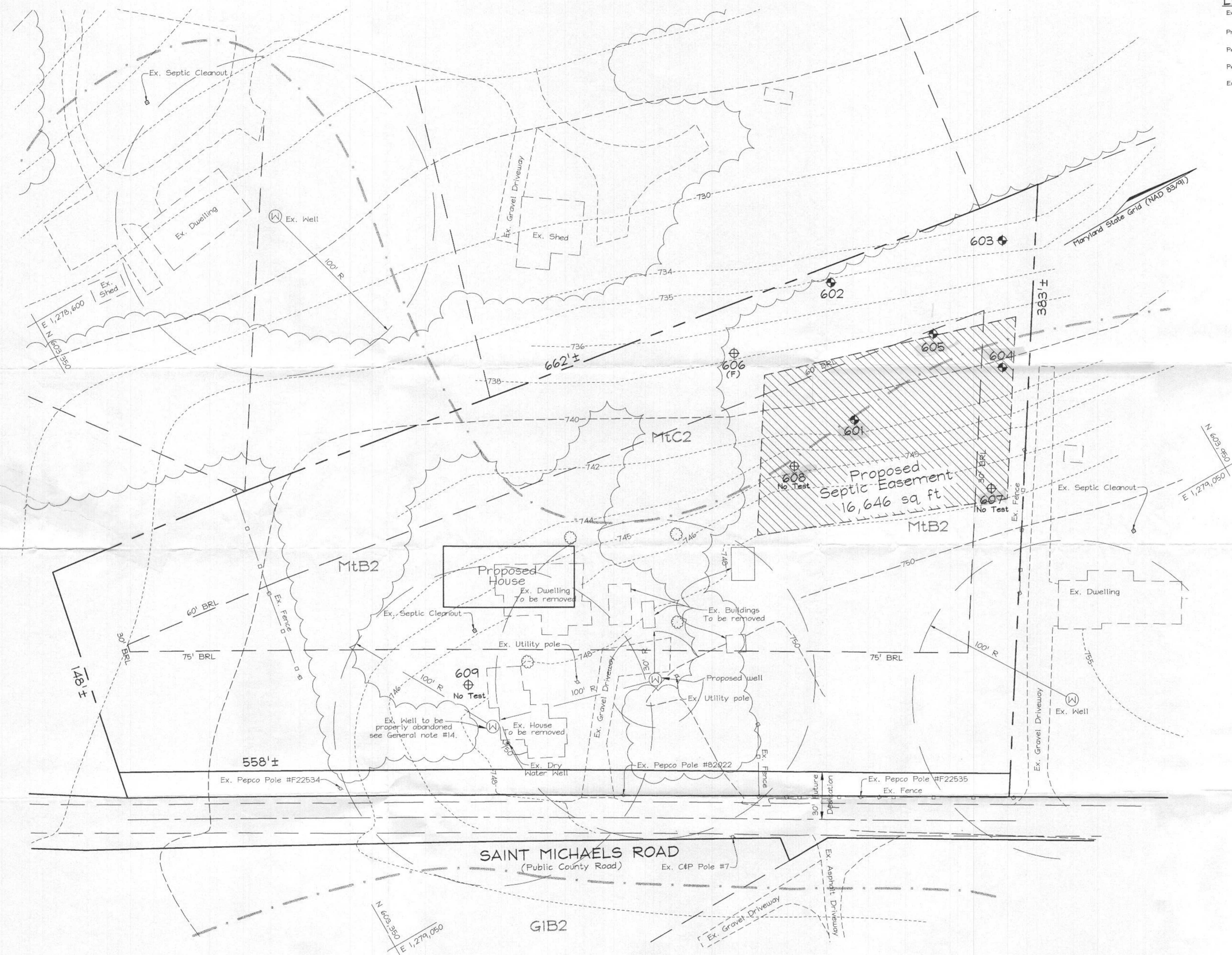
Please note our new address:

Southern Kraft Builders, LLC
8899 Frederick Road
Ellicott City, MD 21043

Sincerely,



Christian Tiede



LEGEND

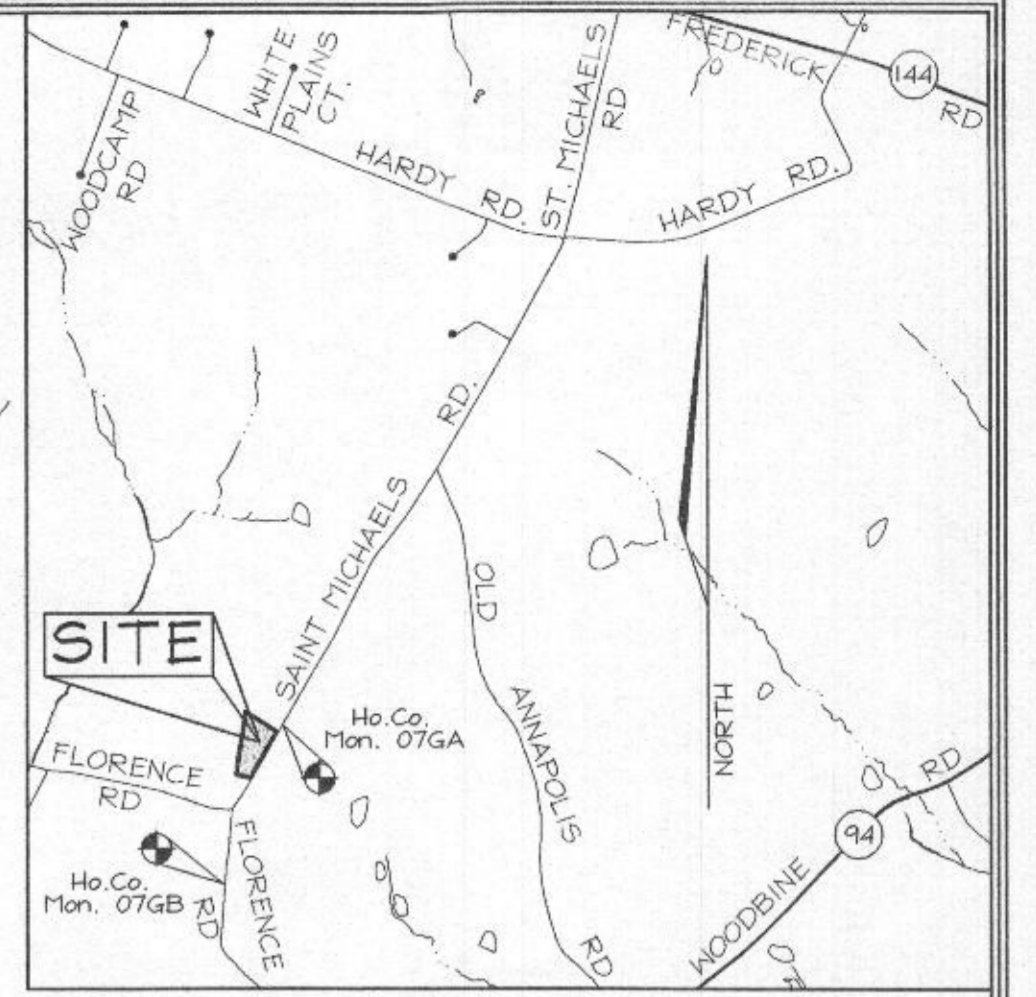
Existing Contour ----- 552

Proposed Septic Area [Hatched Box]

Perc Test (Failed) [Circle with cross]

Perc Test (Passed) [Circle with dot]

Ex. Treeline [Wavy Line]



PERC. CHART

Number	Elevation
600	741.20
601	735.20
602	734.74
603	734.74
604	740.54
605	738.51
606	737.82
607	747.06
608	743.11
609	748.43

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
[Hatched Box]	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
[Diagonal Lines]	MT. AIRY CHANNERY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	A
[Dotted Box]	MT. AIRY CHANNERY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	A

- GENERAL NOTES**
- Subject property zoned RC-DEO per 10/18/93 Comprehensive Zoning Plan.
 - Total area of property = 3.17 Ac.
 - Coordinates based on NAD '83, Maryland Coordinate System as projected by Howard County Geodetic Control Stations no. 07GA and no. 07GB. * Denotes approximate location (see vicinity map).
 Sta. 07GA N 184,037.5805 (meters) E 389,910.2904 (meters) Elev. 228.6683 (meters)
 N 603,746.628 (feet) E 1,279,230.677 (feet) Elev. 750.223 (feet)
 Sta. 07GB N 183,537.1676 (meters) E 389,718.8188 (meters) Elev. 226.7909 (meters)
 N 602,154.857 (feet) E 1,278,602.491 (feet) Elev. 744.063 (feet)
 - Private water and sewer will be used within this site.
 - This area designates a private sewage easement, of at least 10,000 SF, as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
 - All wells and septic systems on adjacent properties within 100' of proposed wells and proposed septic systems have been shown.
 - Howard County Soil Maps #5 & 6.
 - The septic fields are located on soil types Mtb2 & MtC2 as per the soil survey of Howard County.
 - Topography within septic easement field run by CB Miller & Associates July 2002 with two foot contours. Remaining topography is based on Howard County 1993 Aerial Topographic Surveys with five foot contours.
 - All percolation test holes and their elevations have been field located by C.B. Miller and Associates, Registered Land Surveyor.
 - The lot hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.
 - The septic fields proposed are located on areas with slopes less than 25%.
 - Boundary shown based on Field located fence lines and Howard County Tax Map information.
 - Existing wells will be properly abandoned by a licensed well driller prior to issuance of the building permit.
 - The entire proposed sewage disposal area must be fenced off with orange construction fence before building permit approval.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

[Signature] 2/14/03
 COUNTY HEALTH OFFICER DATE

Signed

PERCOLATION CERTIFICATION PLAN
1720 SAINT MICHAELS ROAD

TAX MAP 7 GRID 19 PARCEL 255
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
 Engineers Planners Surveyors
 8318 Forrest Street, Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com

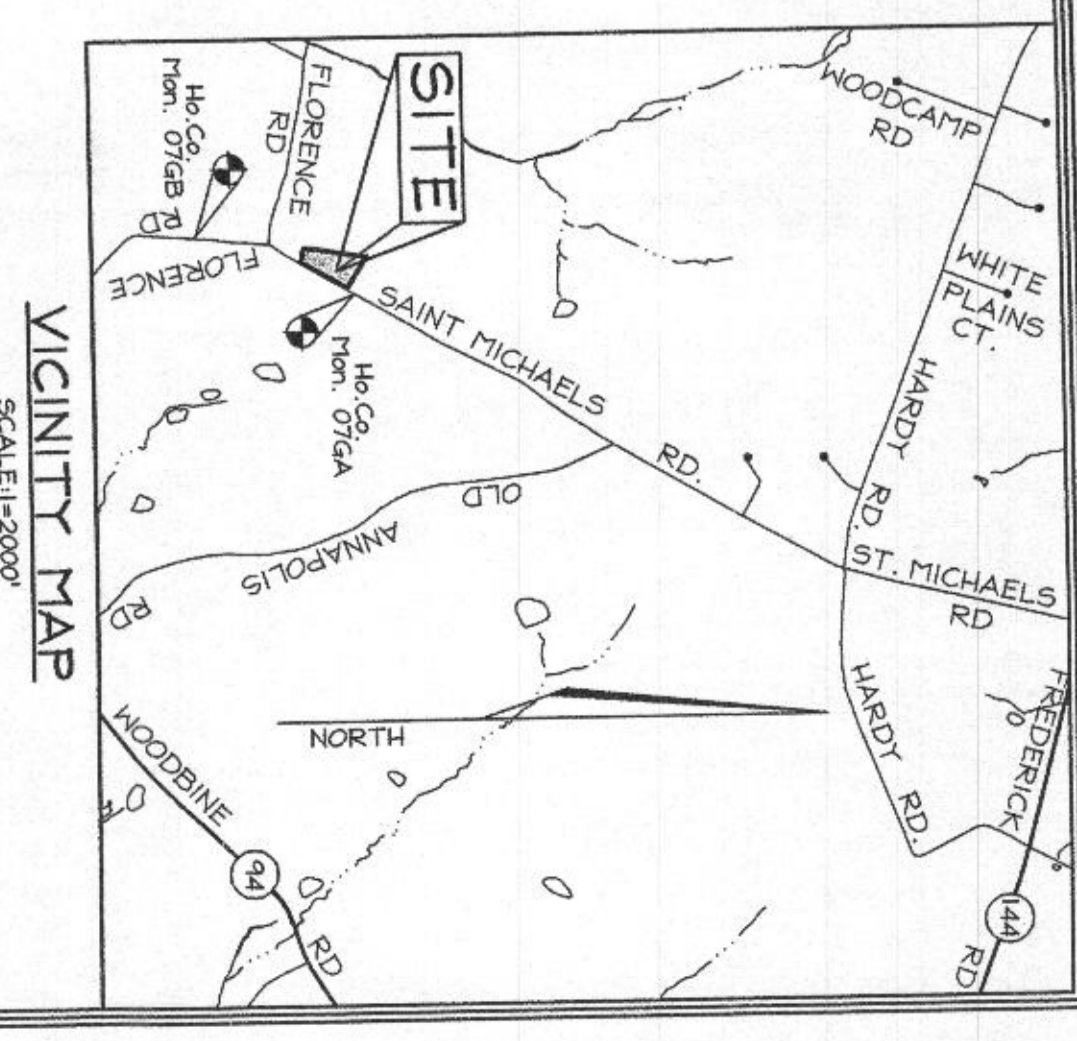
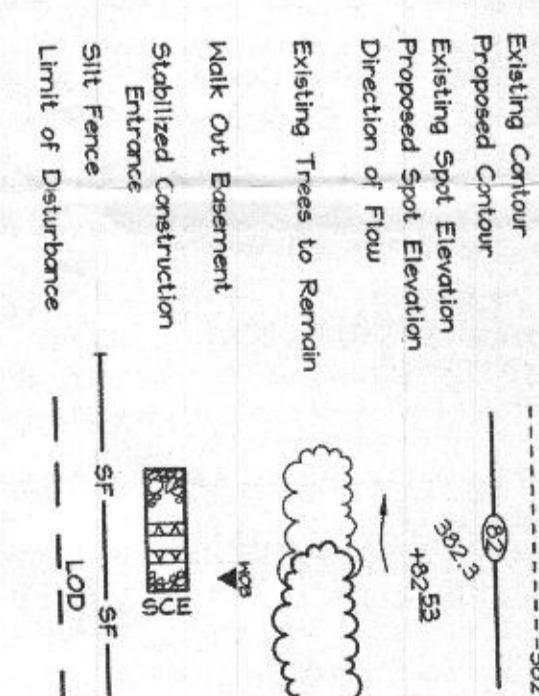
DESIGN BY: PS
 DRAWN BY: Stim
 CHECKED BY: ZYF
 SCALE: 1"=30'
 DATE: January 31, 2003
 H.O. No.: 3199
 SHEET No.: 1 OF 1

OWNER
 C.T.C. Contracting INC.
 Attn: Mr. Chris Tiede
 6760 Sanner Road
 Clarksville MD 21029



Approved Septic System Plan
 Howard County Health Department
 Signature: [Signature]
 Date: 12/24/03

LEGEND



SOILS LEGEND

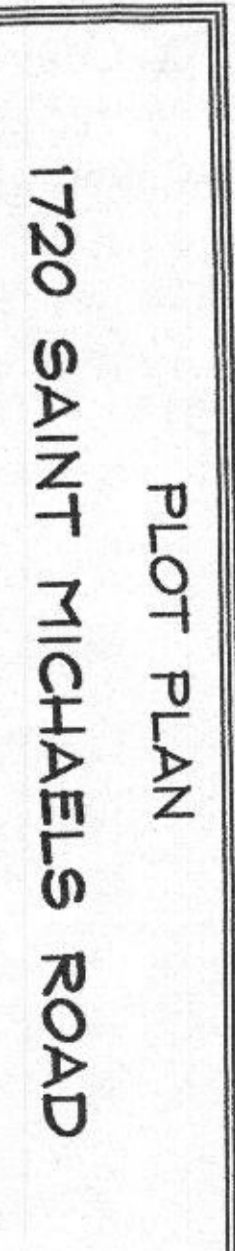
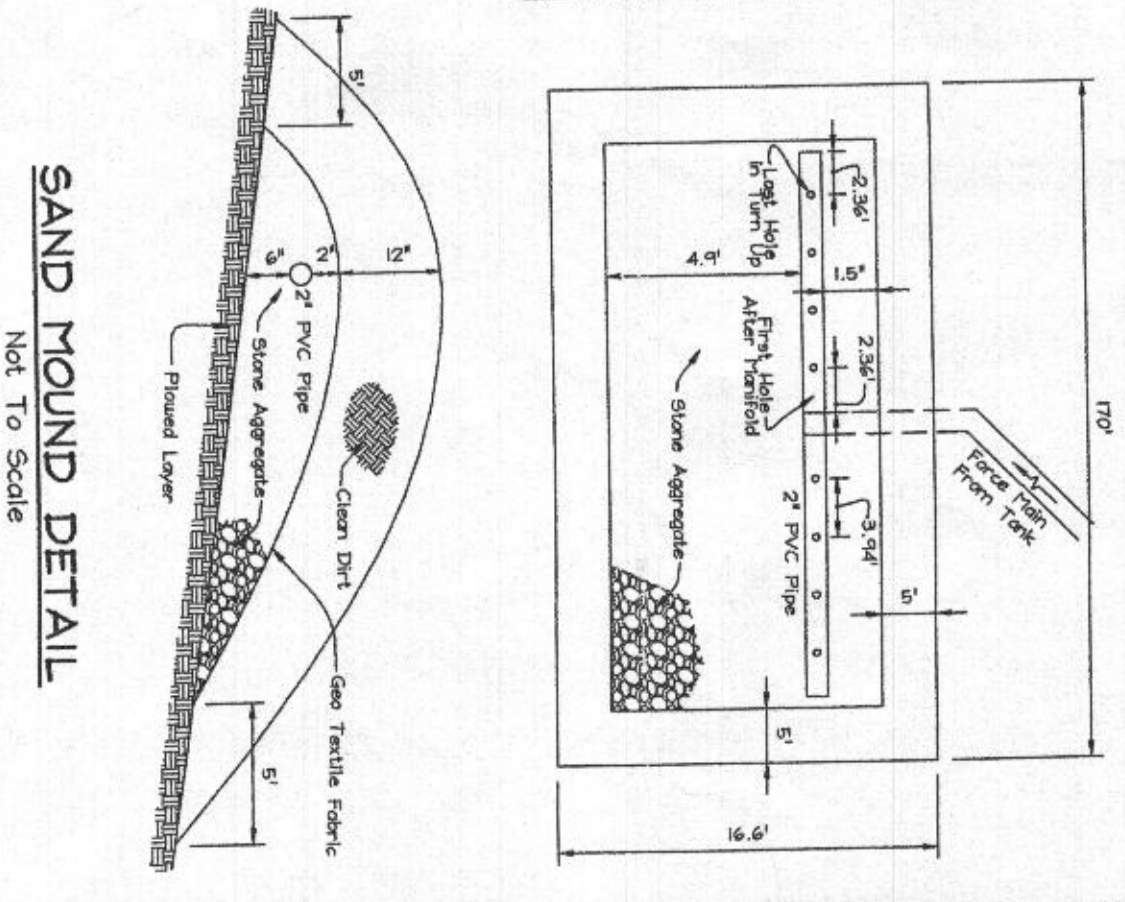
SYMBOL	NAME	DESCRIPTION	SOIL GROUP
GIB2	GLENNVILLE LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED		B
MTC2	MIDDLETON LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED		B
MTC2	HT. AIRY CHANNERY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED		A

GENERAL NOTES

1. Subject property zoned R-C-20 per 10/18/93 Comprehensive Zoning Plan.
2. Total area of project on NMD 33, Howard County Coordinate System as projected by Howard County, Geospatial Central Station no. 0764 and no. 076B. Demolish approximate location (see vicinity map).
 Sta. 076A N 854,796.629 (feet) E 1,279,230.677 (feet) Elev. 750.223 (feet)
 Sta. 076B N 853,537.676 (feet) E 1,279,602.491 (feet) Elev. 744.063 (feet)
3. This area designates a private sewage reserve area, of at least 10,000 SF, as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature become null and void until public sewage is available to the private sewage reserve area. Recordation of a modified sewage assessment shall not be necessary.
4. Howard County Soil Maps #5 & 6, soil types MTC2 & MTC2 as per the soil survey of Howard County.
5. The septic fields are located on a field run by CB Miller & Associates July 2002 with two lot limits shown.
6. Topography within septic topography is based on Howard County 1993 Aerial Topographic Surveys.
7. The lot shown herein complies with the minimum ownership width and lot area as required by the Howard State Department of the Environment.
8. Lot limits shown boundary survey.
9. The entire proposed sewage disposal area must be fenced off with orange construction fence before building permit approval.
10. Stormwater Management is provided by rooftop and non-rooftop disconnects.

SAND MOUND SPECIFICATION

Diameter of Force Main	Determine at Plan Design Stage
12" or 15"	6' at 15'
18" or 24"	6' at the surface
30" or 36"	6' Above Grade
42" or 48"	Center
60" or 72"	Center
72" or 84"	Center
90" or 108"	Center
108" or 126"	Center
126" or 144"	Center
144" or 162"	Center
162" or 180"	Center
180" or 216"	Center
216" or 252"	Center
252" or 288"	Center
288" or 324"	Center
324" or 360"	Center
360" or 432"	Center
432" or 504"	Center
504" or 576"	Center
576" or 648"	Center
648" or 720"	Center
720" or 810"	Center
810" or 900"	Center
900" or 1008"	Center
1008" or 1116"	Center
1116" or 1224"	Center
1224" or 1332"	Center
1332" or 1440"	Center
1440" or 1548"	Center
1548" or 1656"	Center
1656" or 1764"	Center
1764" or 1872"	Center
1872" or 1980"	Center
1980" or 2088"	Center
2088" or 2196"	Center
2196" or 2304"	Center
2304" or 2412"	Center
2412" or 2520"	Center
2520" or 2628"	Center
2628" or 2736"	Center
2736" or 2844"	Center
2844" or 2952"	Center
2952" or 3060"	Center
3060" or 3168"	Center
3168" or 3276"	Center
3276" or 3384"	Center
3384" or 3492"	Center
3492" or 3600"	Center
3600" or 3708"	Center
3708" or 3816"	Center
3816" or 3924"	Center
3924" or 4032"	Center
4032" or 4140"	Center
4140" or 4248"	Center
4248" or 4356"	Center
4356" or 4464"	Center
4464" or 4572"	Center
4572" or 4680"	Center
4680" or 4788"	Center
4788" or 4896"	Center
4896" or 5004"	Center
5004" or 5112"	Center
5112" or 5220"	Center
5220" or 5328"	Center
5328" or 5436"	Center
5436" or 5544"	Center
5544" or 5652"	Center
5652" or 5760"	Center
5760" or 5868"	Center
5868" or 5976"	Center
5976" or 6084"	Center
6084" or 6192"	Center
6192" or 6300"	Center
6300" or 6408"	Center
6408" or 6516"	Center
6516" or 6624"	Center
6624" or 6732"	Center
6732" or 6840"	Center
6840" or 6948"	Center
6948" or 7056"	Center
7056" or 7164"	Center
7164" or 7272"	Center
7272" or 7380"	Center
7380" or 7488"	Center
7488" or 7596"	Center
7596" or 7704"	Center
7704" or 7812"	Center
7812" or 7920"	Center
7920" or 8028"	Center
8028" or 8136"	Center
8136" or 8244"	Center
8244" or 8352"	Center
8352" or 8460"	Center
8460" or 8568"	Center
8568" or 8676"	Center
8676" or 8784"	Center
8784" or 8892"	Center
8892" or 9000"	Center
9000" or 9108"	Center
9108" or 9216"	Center
9216" or 9324"	Center
9324" or 9432"	Center
9432" or 9540"	Center
9540" or 9648"	Center
9648" or 9756"	Center
9756" or 9864"	Center
9864" or 9972"	Center
9972" or 10080"	Center



OWNER
 C.T.C. Contracting Inc.
 Attn: Mr. Chris Tiede
 6760 Starren Road
 Clarksville MD 21021

FSH Associates
 Engineers Planners Surveyors
 10000 Greenbelt Road, Suite 200
 Greenbelt, MD 20770
 Tel: 410-750-2251 Fax: 410-750-7380
 Email: FSHAssociates@a.com

DESIGN BY: PS
 DRAWN BY: KO
 CHECKED BY: ZTF
 SCALE: 1"=50'
 DATE: May 19, 2003
 M.O. No.: 3991
 SHEET No.: 1 OF 1