

# APPLICATION

PERCOLATION TESTING

A 519662

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 11/17/83

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 Soccer Association of Columbia, Inc

ADDRESS 8980-D Route 108, Columbia, MD 21045 PHONE 410 772 9373

AGENT OR PROSPECTIVE BUYER Brian Gibbons c/o Erwin L. Greenberg Commercial Corporation

ADDRESS 10096 Red Run Blvd, Ste 100 PHONE 410 559 2518  
Owings Mills, MD 21117

PROPERTY LOCATION:  
SUBDIVISION 4560 Centennial Lane - Parcel B  
Covenant Baptist Church LOT NO. Parcel B

ROAD AND DESCRIPTION Centennial Lane

TAX MAP 30 PARCEL # B

SIZE OF LOT 62.971 Ac. TYPE BLDG. Single Family  
(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.

(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 #

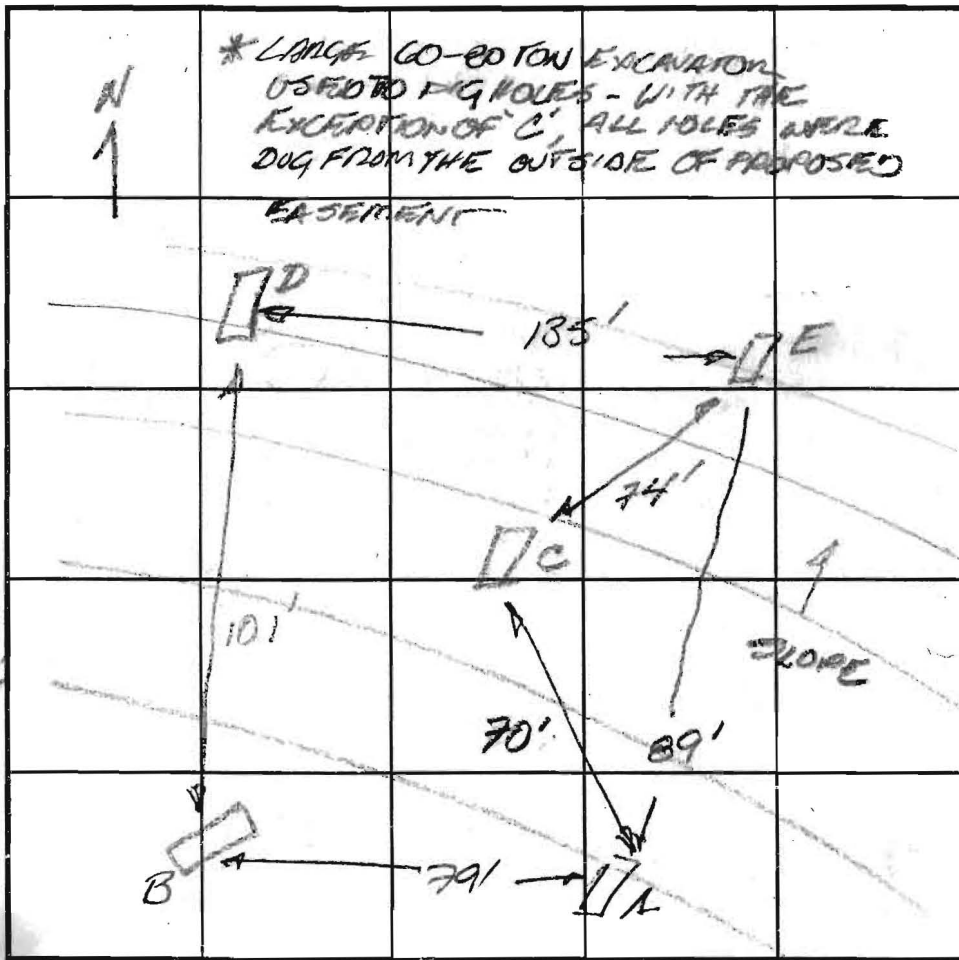
SOIL PROFILE

0'

**E**  
 Brown loam 5"  
 Yellow Brown clay - clayton 6 1/2"  
 Brown Silom + Silom 15% rock 13 1/2"

**A**  
 Brown loam 6"  
 Yellow Brown clay - clayton 6 1/2"  
 Brown Silom + Silom w/ LIPS 15% rock 15"

**B**  
 Brown loam 1"  
 Yellow Brown clay - clayton 3 CL 7 1/2"  
 Brown Silom + Silom 15% rock 15"



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

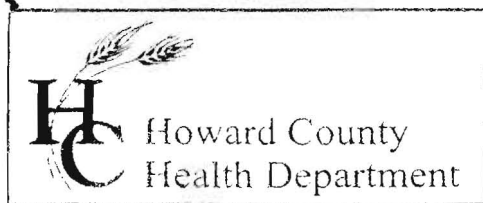
0'

**D**  
 Brown loam 6"  
 Yellow Brown clay - clayton 6 1/2"  
 Brown Silom + Silom 15% rock 15"

**C**  
 Brown loam 1"  
 Yellow Brown clay - clayton 7 1/2"  
 Brown Silom + Silom 15% rock 10"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/18/03	E	7' 13 1/4'	10:40	10:47	10:47	10:58	1 hour
	A	7' 6'	10:55	11:06	11:06	11:18	12 mins
	B	6' 15'	11:06	11:21	11:21	11:44	24 mins
	D	7' 15'	11:22	11:28	11:28	11:34	7 mins
	C	7 1/2' 10'	11:40	11:42	11:42	11:45	3 mins

REMARKS: TRENCHES NOT TO BE SHALLOWER THAN 7 1/2" NIPK-EXCAVATOR Allen  
 TYPE OF SOIL: Nick (Red)  
 TESTED BY: FA Barry-FOREMAN  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH: 3'  
 INLET DEPTH: 3-4' MAXIMUM BOTTOM DEPTH: 7 1/2' SQ. FT./BEDROOM \_\_\_\_\_



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](http://www.hchealth.org)

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

December 18, 2003

Patton Harris Rust & Associates, PC  
8818 Centre Park Drive  
Columbia, MD 21045

**RE: Percolation Test  
4560 Centennial Lane, Parcel B**

Attn Mr. Chris J. Reid, P. E.:

Soil percolation tests were conducted on the proposed septic easement for the above referenced property and as indicated in your plan submittal numbered 00287 perctest2.


All holes passed with perc rates ranging from 3 minutes to 24 minutes with an average of 11 minutes (see attached perc field notes). Any trenches installed for a proposed septic system in this area should not have a bottom less than 7 ½ ft with an inlet at 3 to 4 feet, with \* 4 ½ ft to 3 ½ ft of stone. \*(Errata: previous letter read 4 ft to 3 ft of stone)

Please submit the standard percolation certification plans (2 paper copies and 1 Mylar) at 1": 50' scale to include 2-ft field surveyed topography for the easement. You may include, and it is recommended that, invert elevations shown from the sewage line out of the house to the distribution box be shown. The size of the septic tank and pump tank, as well as the total length of trench, will be determined once we know how many bedrooms are proposed on the building permit for the dwelling.

Locations and distances to wells and septic systems adjoining this property should be confirmed and shown on this plan. No adjoining septic systems should be above grade with the possible effluent draining towards the direction of your well box site. Conversely your proposed septic system location should not have its effluent plume draining to any adjoining wells.

If you have any questions I may be reached at (410)-313-2669.

Sincerely,



Frank Alfonso, RS

FA/fa

SHEET INDEX	
NO	DESCRIPTION
1	PERC CERTIFICATION PLAN - OVERALL
2	PERC CERTIFICATION PLAN

# PERC CERTIFICATION PLAN

## 4560 CENTENNIAL LANE

### PARCEL B

#### 2nd ELECTION DISTRICT

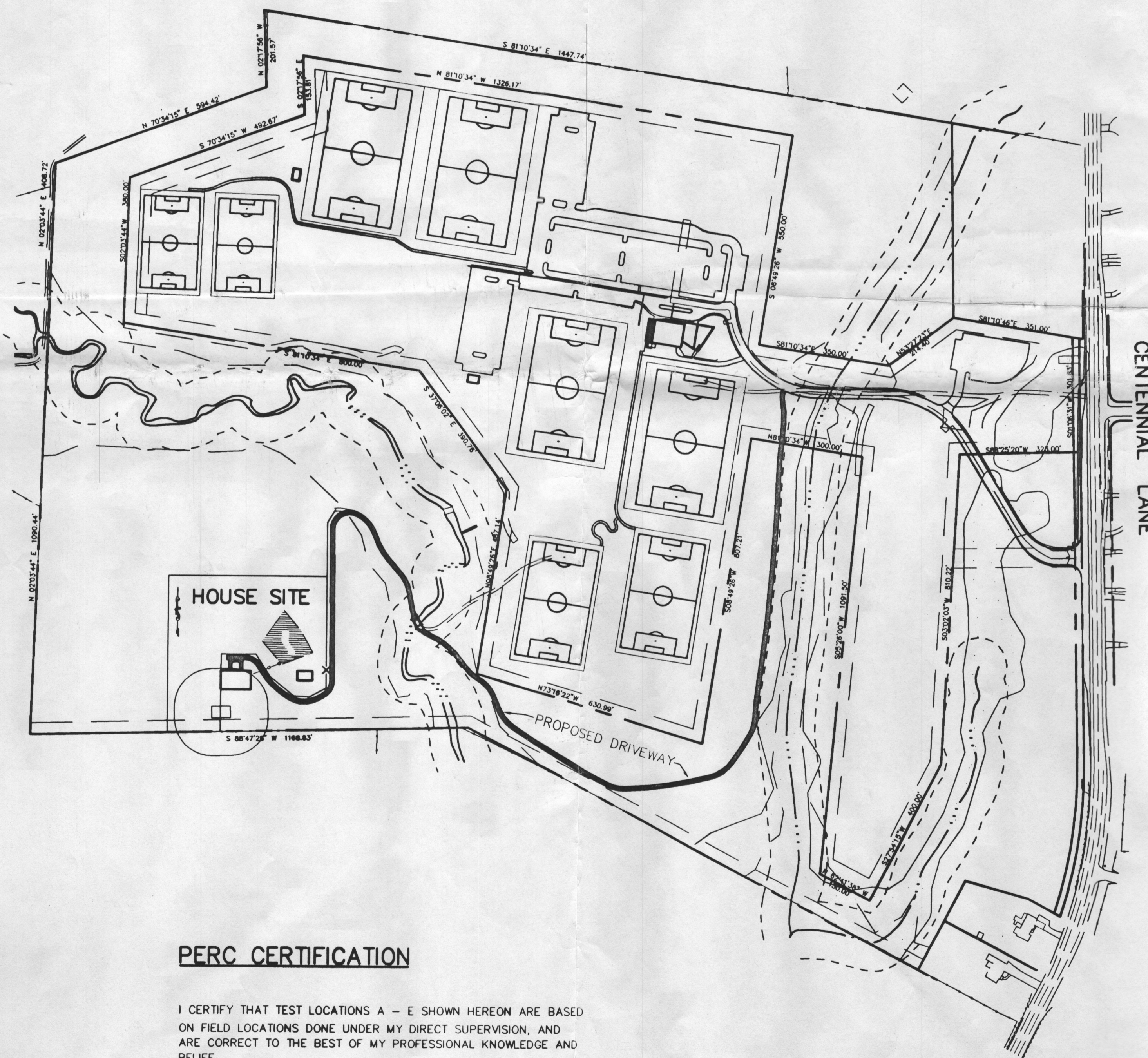
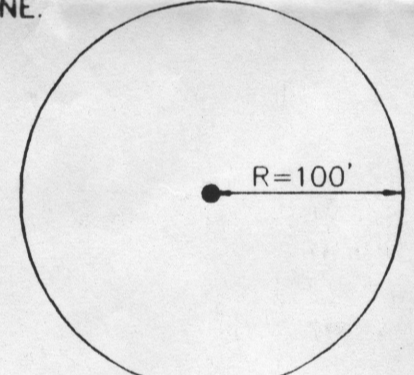
#### HOWARD COUNTY, MARYLAND



VICINITY MAP  
SCALE: 1"=2000'

### GENERAL NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT 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 REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
  - PERC HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED BY PHRA DATED DECEMBER 2003.
  - INDICATES PASSING PERC TEST.
  - INDICATES FAILED PERC TEST.
  - SUBJECT PROPERTY IS ZONED RC-DEO.
  - WELL AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY HAVE BEEN SHOWN TO THE BEST OF OUR KNOWLEDGE AND INFORMATION.
  - THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
  - TOPOGRAPHY SHOWN HEREON IS AERIAL MAPS FLOWN IN MARCH 2000 BY FISHER COLLINS & CARTER AND SUPPLEMENTAL FIELD RUN TOPOGRAPHY PROVIDED BY PHRA IN DECEMBER 2003.
  - DEVELOP WELL ZONE.
10. ALL STEEP SLOPES (25% OR GREATER) AFFECTING THE LOT AREAS HAVE BEEN SHOWN.
11. ALL WELLS TO BE DRILLED PRIOR TO FINAL PLAT RECORDATION.
12. GROUND WATER APPROPRIATION PERMIT TO BE OBTAINED PRIOR TO RECORD PLAT.
13. AVERAGE PERC TIME IS 11 MINUTES FOR FIVE HOLES. BOTTOM OF TRENCH TO BE MINIMUM 7.5' DEEP. INLET TO BE BETWEEN 3 AND 4 FEET, WITH BETWEEN 3.5 TO 4.5 FEET OF STONE.



OFFICE BLDG ON SITE WILL BE ON PUBLIC WATER & SEWER. PRIVATE RESIDENCE AT 4560 CENTENNIAL LANE. WILL BE ON PRIVATE WATER/SEWER. ONE LOT DOES NOT NEED GROUNDWATER APPROPRIATIONS PERMIT. FA 3/27/04

### PERC CERTIFICATION

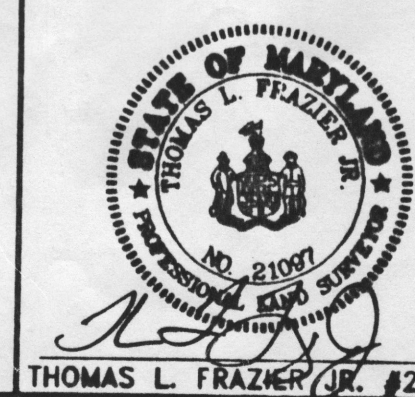
I CERTIFY THAT TEST LOCATIONS A - E SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

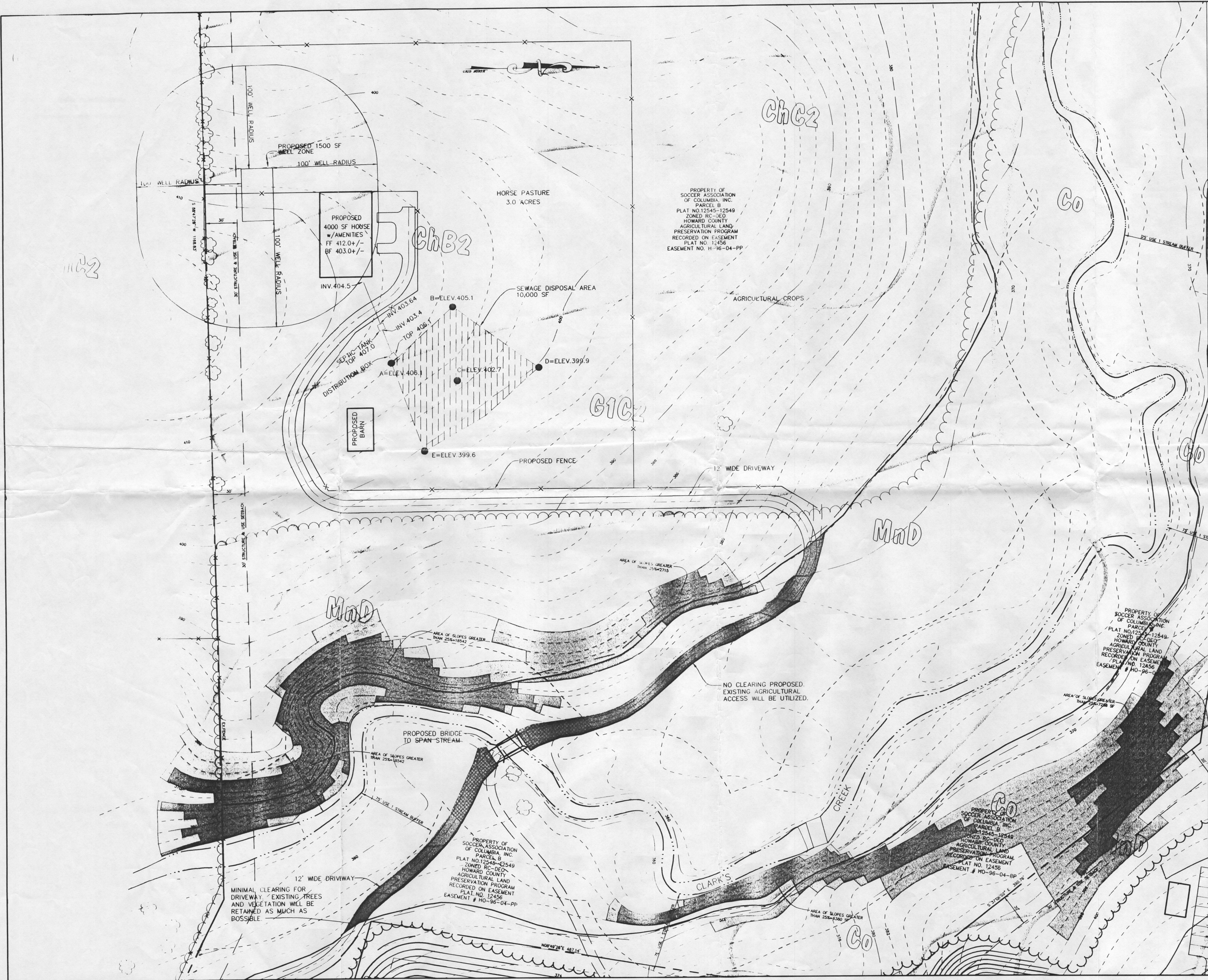
*Thomas L. Frazier*  
THOMAS L. FRAZIER  
1/29/04  
DATE

### SITE TABULATION

1. GROSS AREA OF TRACT	115.316
AREA OF PARCEL A:	52.345
AREA OF PARCEL B:	62.971
2. ZONING OF TRACT	RC-DEO

APPROVED : FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.	
<i>Raymond A. ...</i> COUNTY HEALTH OFFICER HOWARD COUNTY HEALTH DEPARTMENT	2-2-04 DATE 2/2/04
DATE NO.	REVISION
CONTRACT PURCHASER BRIAN GIBBONS c/o ERWIN L. GREENBERG COMMERCIAL CORP. 10096 RED RUN BLVD, SUITE 100 OWINGS MILLS, MARYLAND 21117 410-559-2518	
PROJECT <b>4560 CENTENNIAL LANE PARCEL B</b>	
AREA TAX MAP 50 BLOCK 1 ZONED RC-DEO COVENANT BAPTIST CHURCH OF WEST COLUMBIA PARCEL B PLATS 15652-15657 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE <b>PERC CERTIFICATION PLAN OVERALL</b>	
Patton Harris Rust & Associates, pc Engineers, Surveyors, Planners, Landscape Architects. 8818 Centre Park Drive Columbia, MD 21045 T 410.997.8900 F 410.997.9282	
1/29/04 DATE	AS191622
DESIGNED BY : PJS	
DRAWN BY : GTH	
PROJECT NO : 00287	
DATE : JANUARY 28, 2004	
SCALE : 1" = 200'	
DRAWING NO. 1 OF 2	





APPROVED : FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

*Benjamin M. Rust* 2-2-04  
COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT (PK) *stefact* DATE

DATE NO.	REVISION

OWNER  
BRIAN GIBBONS  
c/o ERWIN L. GREENBERG COMMERCIAL CORP.  
10096 RED RUN BLVD., SUITE 100  
OWINGS MILLS, MARYLAND 21117  
410-559-2518

PROJECT  
**4560 CENTENNIAL LANE  
PARCEL B**

AREA TAX MAP 30 BLOCK 1 ZONED RC-DEO  
COVENANT BAPTIST CHURCH OF WEST COLUMBIA  
PARCEL B PLATS 15652-15657  
2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE  
**PERC CERTIFICATION PLAN**

Patton Harris Rust & Associates, pc  
Engineers, Surveyors, Planners, Landscape Architects.  
8818 Centre Park Drive  
Columbia, MD 21045  
T 410.997.8900  
F 410.997.9282

1/29/04  
DATE

DESIGNED BY : PJS  
DRAWN BY : GTH  
PROJECT NO : 00287  
PERCTEST2  
DATE : JANUARY 28, 2004  
SCALE : 1" = 40'  
DRAWING NO. 2 OF 2

