

# APPLICATION

PERCOLATION TESTING

A 516470

P \_\_\_\_\_

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

*Re-perc for pumped system to septic house site*

DISTRICT \_\_\_\_\_

DATE 1/15/2002

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

410 365-3702

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER The estate of Richard van Lunen

ADDRESS 90 Miles & Stockbridge P.C. PHONE 301-596-2200

AGENT OR PROSPECTIVE BUYER DAVID MARITA Dell'Aquila (Contact Greenfield Homes)

ADDRESS 3051 Barnes Lane Ellicott City 21042 PHONE (410) 418-5118 (410-781-6782)

PROPERTY LOCATION:

SUBDIVISION Hawkfield Estates LOT NO. #107

ROAD AND DESCRIPTION 3097 Old Oak Dr Ellicott City, Md 21042

TAX MAP 16+23 PARCEL # 40+228

SIZE OF LOT 7.170 Acres 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

NOT TO SCALE

COUNTY #

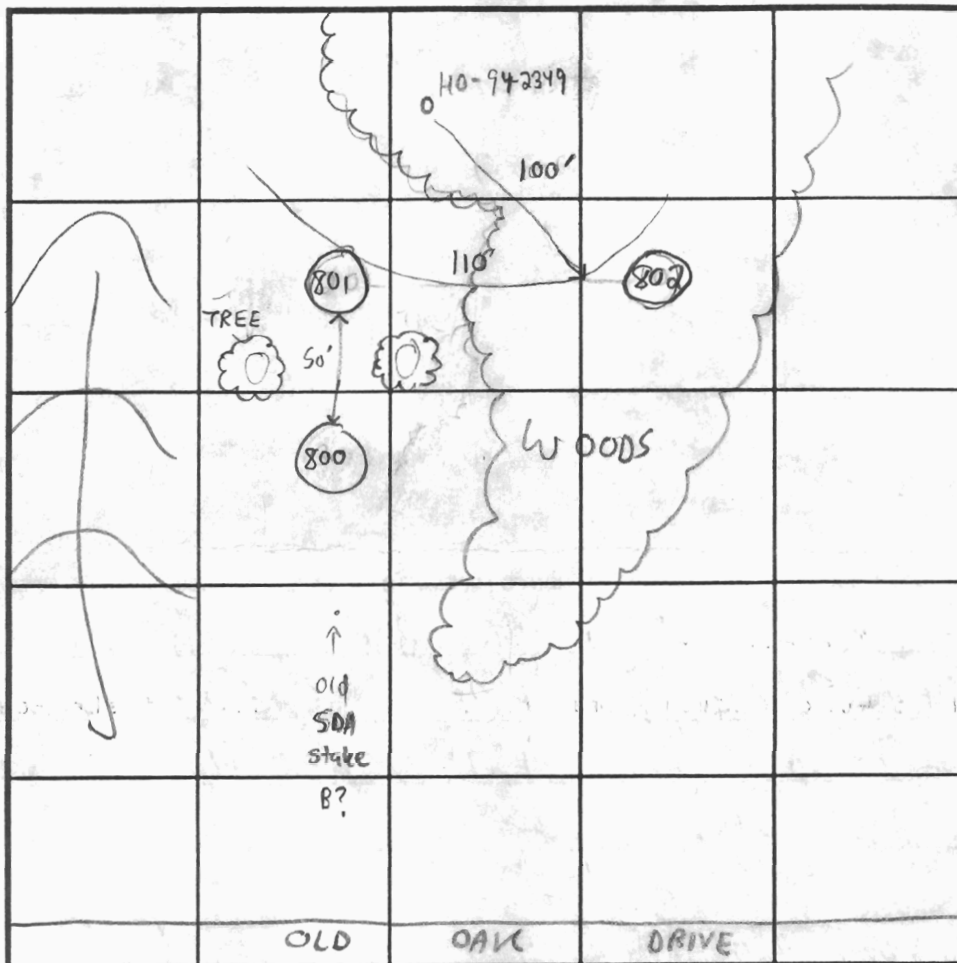
SOIL PROFILE

802

0' brown top soil root zone  
 4" tan-brn silt-lm  
 1' tan-beige sandy lm  
 0-5% ROCK FRAGS  
 NO water table indicators

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

801  
 4" brown top soil root zone  
 1'6" tan-brn silt-lm

beige

5-10% ROCK FRAGS  
 NO water table indicators

800

SEE DESCR. FOR HOLE 10

HARD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/27/02	802	14'V	(VISUAL	OK	SEE	SOIL PROFILE)	OK
			will	perc	at 2'		
	801	14'V	"	"	"	"	OK
	800	14'V	"	"	"	"	OK

REMARKS Testing not done in wet season (2002 considered drought year)

TYPE OF SOIL Chester

TESTED BY SRX

Spanky = Fank's Bachelor

ALSO PRESENT Wayne Green field = Partially prior to testing

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2-7min

TRENCH WIDTH 3

INLET DEPTH 2'

MAXIMUM BOTTOM DEPTH 4'

SQ. FT./BEDROOM 180 sq'

A-39.720

Hawksfield Lot 38

COUNTY #

SOIL PROFILE

648

orange brown  
SiClM

2.0

or brn  
SiClM

8.5

Dark brown  
mottled  
marble  
like -  
tans &  
orange  
water

13.0

13.0

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-19-98	648	Visual to 13.0	see profile		—		OK

REMARKS Test hole 648 to be lowest part of SDA

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

TESTED BY Amy McMullen ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 min TRENCH WIDTH 3.0

INLET DEPTH 2.0 MAXIMUM BOTTOM DEPTH 4.0 SQ. FT./BEDROOM 180

# APPLICATION

PERCOLATION TESTING

A 39720

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

*8/11/87  
perc OK'd  
pending approval  
plat*

DISTRICT \_\_\_\_\_

DATE 7/15/89

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM

PROPERTY OWNER RONALD S. LANEVE

ADDRESS 11799 TRIADELPHIA ROAD PHONE 301-531-6161  
ELLICOTT CITY, MARYLAND 21043

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION

SUBDIVISION \_\_\_\_\_ LOT NO 17 Preliminary

ROAD AND DESCRIPTION SOUTH OF MARYLAND ROUTE 144 AND SOUTHEAST OF TRIADELPHIA ROAD

TAX MAP 16623 PARCEL # 40

SIZE OF LOT 6 ACRES TYPE BLDG SFD  
(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.

*R. Laneve*  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING for field located + sub ÷ plat  
> 10% to adjust  
Need house + well area

# THIS IS NOT A PERMIT

? area for well site

A  
SOIL PROFILE

0  
brown/tan  
clay silt  
loam  
3 1/2'  
to mostly  
tan grey  
silty sand  
loam w/  
5% small  
scattered  
frags

12' D

D & E

tan/orange  
silty clay  
loam 4'

to mostly  
grey/tan  
w/ patches of  
orange silty  
mud loam

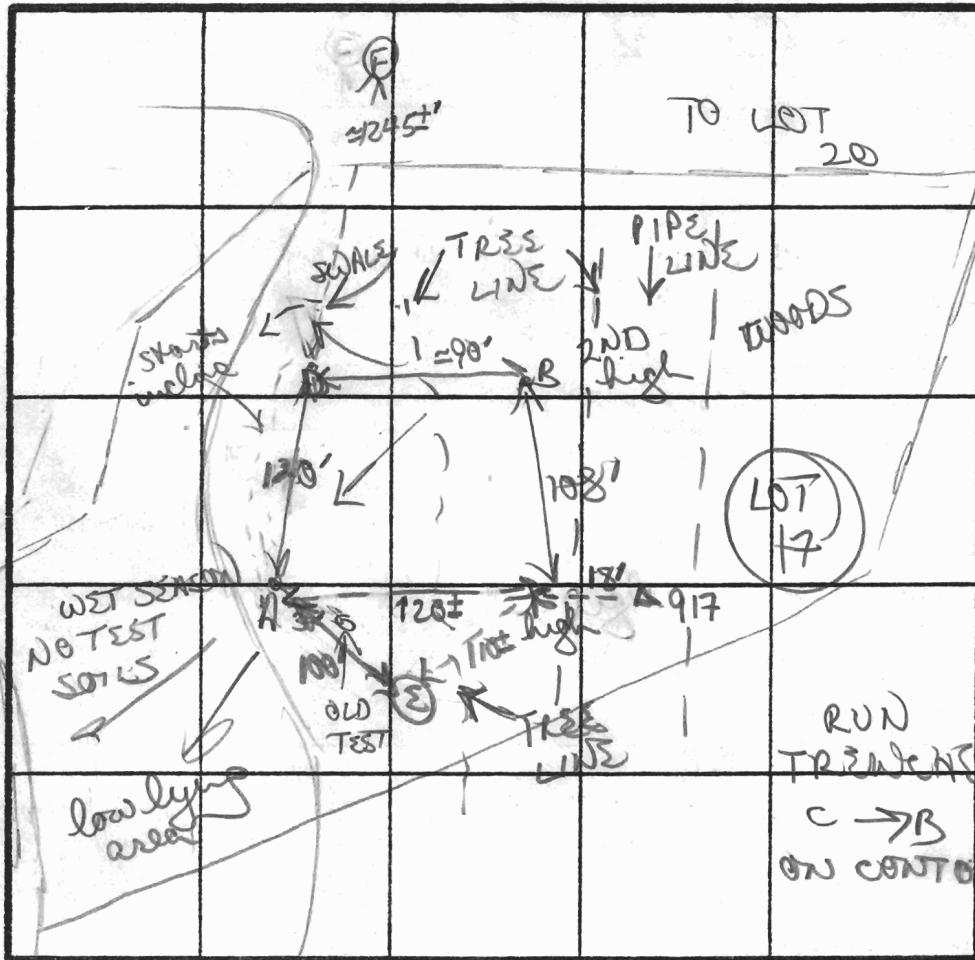
b

12 1/2' D

B & C

orange/yellow  
clay 2 1/2'  
clay loam  
4'

to mostly  
orange/tan  
brown silty  
loam w/  
5% small scattered  
frags  
7' b



X Perc 10 MIN  
210# 1/2"  
Inlet 3"  
Bottom 4.5"

RUN  
TRIALS  
C → B  
ON CONTOUR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8/11/87	A	3' 5"	359	400	400	402	2 MIN	
		12' D	bottom (see profile)					
	D	3' 5"	358	359	359	401	2 MIN	
		12 1/2' D	bottom (see profile)					
	B	3 1/2' S	350	406	406	435	29 MIN	
		7 1/2' M	350	354	354	400	6 MIN	
		12' D	bottom (see profile)					
	C	4' 5"	347	350	350	355	5 MIN	
		13' D	bottom (see profile)					
	E	3' 5"	403	404	404	406	2 MIN	
		12' D	bottom (see profile)					

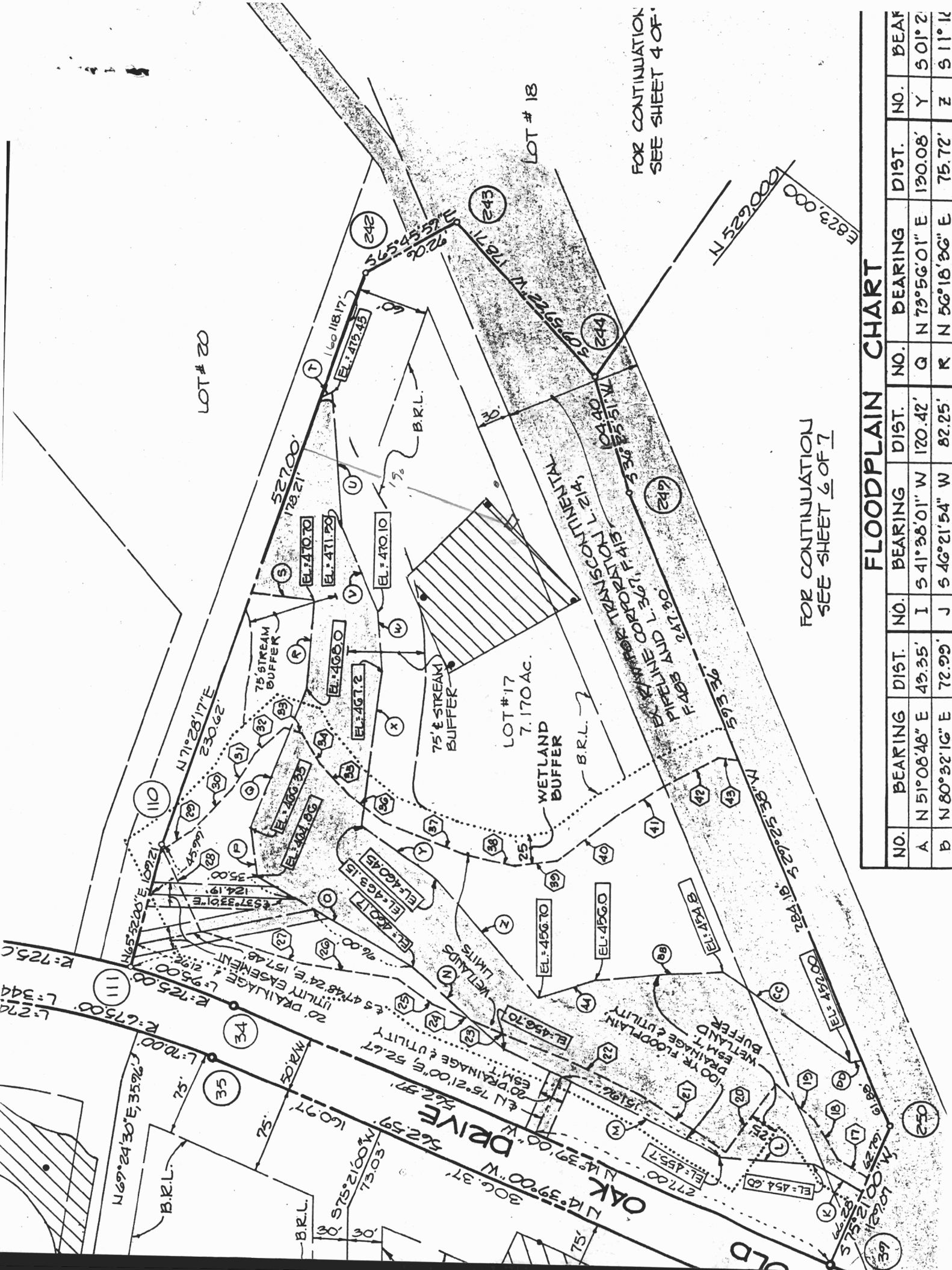
DO BETTER  
47'.

REMARKS: Dup + tested as staked 2 lower holes near area of low lying tops but no evidence of H<sub>2</sub>O

TYPE OF SOIL: orange/yellow clay loams; tan + orange silty loams

TESTED BY: A Niphan

ALSO PRESENT: Harold

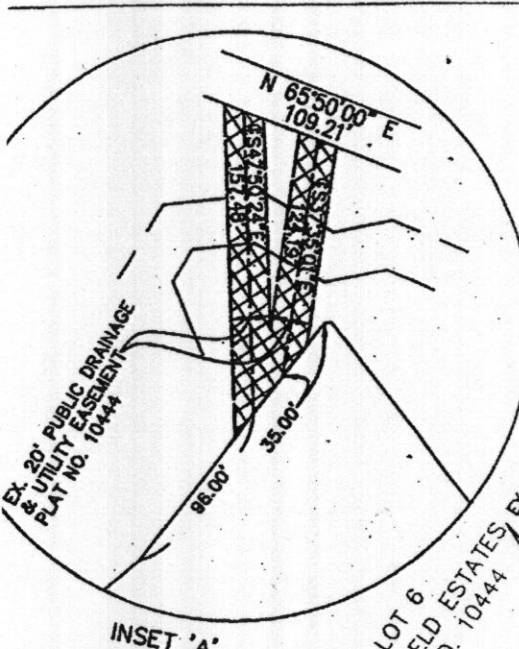


FOR CONTINUATION  
SEE SHEET 4 OF 7

FOR CONTINUATION  
SEE SHEET 6 OF 7

### FLOODPLAIN CHART

NO.	BEARING	DIST.	NO.	BEARING	DIST.	NO.	BEARING	DIST.	NO.	BEARING
A	N 51° 08' 46" E	43.35'	I	S 41° 36' 01" W	170.42'	G	N 73° 56' 01" E	130.08'	Y	S 01° 2'
B	N 80° 32' 16" E	72.99'	J	S 46° 21' 54" W	82.25'	R	N 56° 18' 36" E	75.72'	Z	S 11° 1'



PRIVATE SEWAGE EASEMENT AREA NOTE:

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET 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 VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

EX. 20' PUBLIC DRAINAGE & UTILITY ESM'T. AS SHOWN ON PLAT 13789

EX. USE IN COMMON ESM'T. FOR INGRESS & EGRESS LOTS 17, 18, 20, & FOR Open Space LOT 6. L.4815 F.137 & AS SHOWN ON PLAT 13789

EX. USE IN COMMON ESM'T. FOR INGRESS & EGRESS LOTS 17, 18, 19, 20, 21 & 22 L.2298 F.668 & AS SHOWN ON PLAT 10443 (Abandoned by Plat #13789)

EX. 20' ACCESS EASEMENT TO LOT 17

LOT 5  
HAWKSFIELD ESTATES  
PLAT NO. 10444

LOT 21  
HAWKSFIELD ESTATES  
PLAT NO. 10443

LOT 20  
3.2152 AC.±

LOT 17  
7.1701 AC.±

LOT 18  
3.8560 AC.±

LOT 7  
HAWKSFIELD ESTATES  
PLAT NO. 10444

OLD OAK DRIVE

OWNERS  
GEORGE J. MAMO  
LAURA L. MAMO  
5109 MORNINGSIDE LANE  
BETHESDA CITY, MARYLAND 21043  
TELE: 410-418-9593  
AND  
DIMITRI S. MERINE

LOT 16  
HAWKSFIELD ESTATES  
PLAT NO. 10445

NOTE: LOTS 17, SHALL NOT HAVE DIRECT ACCESS TO OLD OAK DRIVE OVER THE 100 YR. FLOODPLAIN, WETLANDS OF WETLANDS BUFFER AS SHOWN ON THIS PLAT.

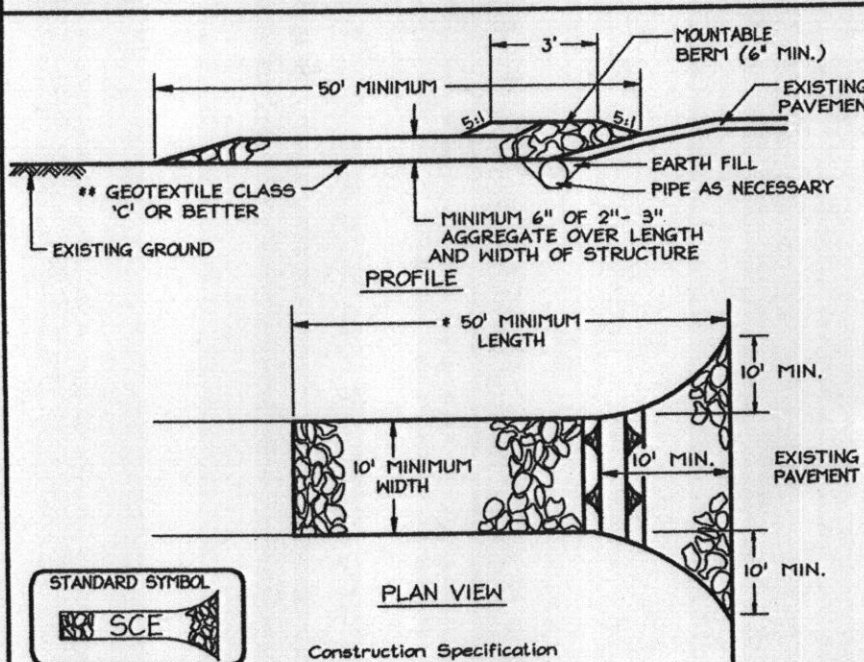
BOARD OF  
OF HOWARD  
L.2450  
*Plat of Revision  
Hawksfield Estates*

F-03-072  
(Signed copy)

OWNER'S CERTIFICATE

WE, GEORGE J. MAMO, LAURA L. MAMO, DIMITRI S. MERINE, KENDRA M. MERINE, EURICE G. MOODY AND SUSAN E. AMORY-MOODY OWNERS OF THE PROPERTIES SHOWN AND DESCRIBED HEREON, HEREBY ADOPTS THIS PLAN OF RESUBDIVISION, AND IN

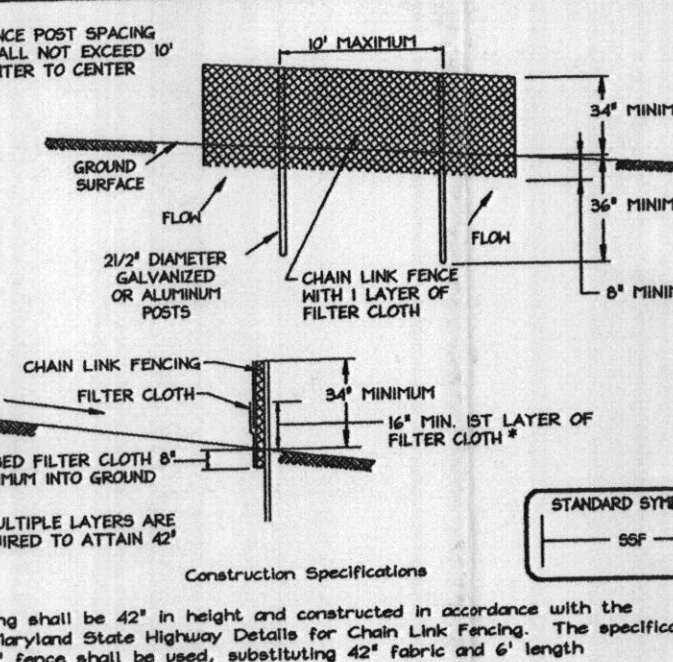
**DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE**



- Construction Specifications**
- Length - minimum of 50' (+ 30' for a single residence lot).
  - Width - 10' minimum, should be flared at the existing road to provide a turning radius.
  - Geotextile fabric (Filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.
  - Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
  - Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipes installed through the stabilized construction entrance shall be protected with a mounded berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipes have to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey, a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
  - Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

U.S. DEPARTMENT OF AGRICULTURE PAGE 1 MARYLAND DEPARTMENT OF ENVIRONMENT  
SOIL CONSERVATION SERVICE E - 17 - 3 WATER MANAGEMENT ADMINISTRATION

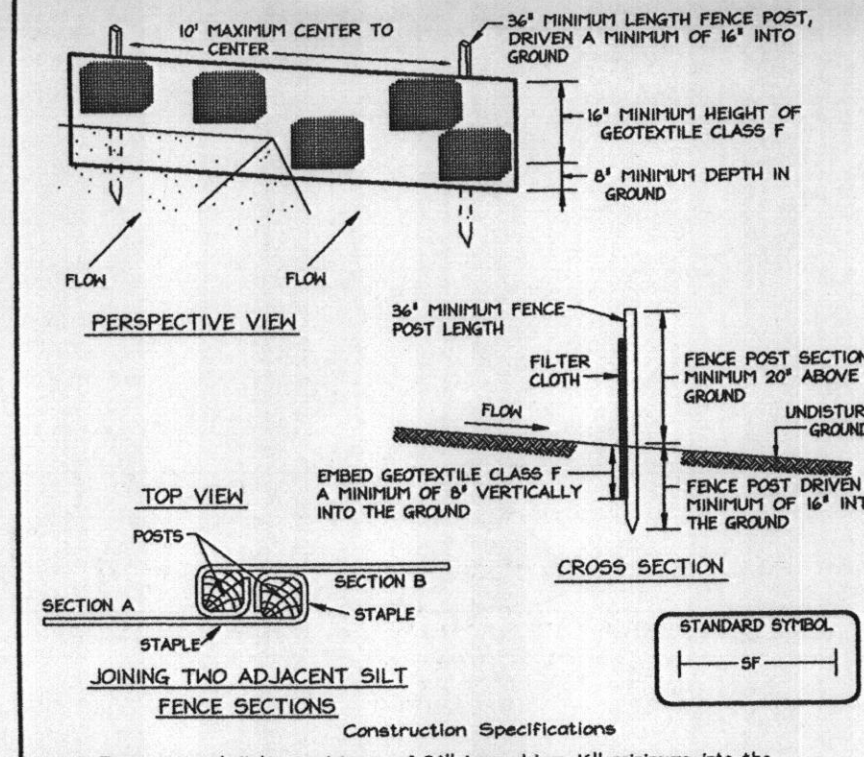
**DETAIL 33 - SUPER SILT FENCE**



- Construction Specifications**
- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
  - Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and cross rods, drive anchors and post caps are not required except on the ends of the fence.
  - Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
  - Filter cloth shall be embedded a minimum of 6" into the ground.
  - When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
  - Maintenance shall be performed as needed and all buildings removed when "bushes" develop in the silt fence, or when silt reaches 50% of fence height.
  - Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

U.S. DEPARTMENT OF AGRICULTURE PAGE 1 MARYLAND DEPARTMENT OF ENVIRONMENT  
SOIL CONSERVATION SERVICE E - 17 - 3 WATER MANAGEMENT ADMINISTRATION

**DETAIL 22 - SILT FENCE**



- Construction Specifications**
- Fence posts shall be a minimum of 3/4" dia, driven 1/2" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" (min.) or 2" x 2" (min.) treated with a preservative. Metal posts shall be 1 1/2" x 1 1/2" (min.) or 2" x 2" (min.) galvanized steel. Posts shall be spaced 10' to 12' on center.
  - Geotextile fabric shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

**GENERAL NOTES**

- Reference: Plat #10444 F-90-05
- Topography is Field Run in two (2) foot increments by C.B. Miller and Associates, Registered Land Surveyor, in Aug. 2002. Topography within 100 Year Floodplain, Environmental Buffer and offsite is Howard County aerial topographic survey in five (5) foot increments.
- Contractor to confirm all dimension, utilities and topography in the field. If any conflicts arise, contact Engineer before beginning any work.
- Driveway entrance to be constructed in accordance with Howard County Standard Detail R.6.06.
- Private water, and sewer will be used within this site.
- Basement will not sewer by gravity. Effluent Pump required in Septic Tank for first floor service.
- This area designates a private sewage easement 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 Map #14
- Septic fields are located on soil types MIB2 and ChB2, as per the soil survey of Howard County.

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

*Penny Bortone M.D. P.E.* 11-26-02  
COUNTY HEALTH OFFICER SRK DATE

**PERMANENT SEEDING NOTES**

- APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION: Loosen upper three inches of soil by raking, stirring or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:
- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/100 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 35-0-0 urea-form fertilizer (14 lbs./1000 sq.ft.) for anchoring.
  - Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./100 sq.ft.) and apply 1000 lbs. per acre 10-10-10 fertilizer (20 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.
- SEEDING: For the periods March 1 thru April 30, and August 1 thru October 31, seed with 50 lbs. per acre (14 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with Kentucky 31 Tall Fescue and 2 lbs. per acre (0.5 lbs./1000 sq.ft.) of urea-form fertilizer. For the period October 1 thru November 30, seed with 25 lbs./1000 sq.ft. of urea-form fertilizer. During the period of October 1 thru November 30, seed with 2 lbs. per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use seed (2) Seed with 50 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 20 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt or flat areas. On slopes 5 feet or higher, use 540 gallons per acre (5 gal/1000 sq.ft.) for anchoring.
- MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

**TEMPORARY SEEDING NOTES**

- SEEDING PREPARATION: Loosen upper three inches of soil by raking, stirring or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.)
- SEEDING: For the periods March 1 thru April 30 and August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of urea-form fertilizer (14 lbs./1000 sq.ft.). For the period October 1 thru November 30, seed with 2 lbs. per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use seed (2) Seed with 50 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 20 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 5 feet or higher, use 540 gallons per acre (5 gal/1000 sq.ft.) for anchoring.
- REFER TO THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, FOR RATE AND METHODS NOT COVERED.

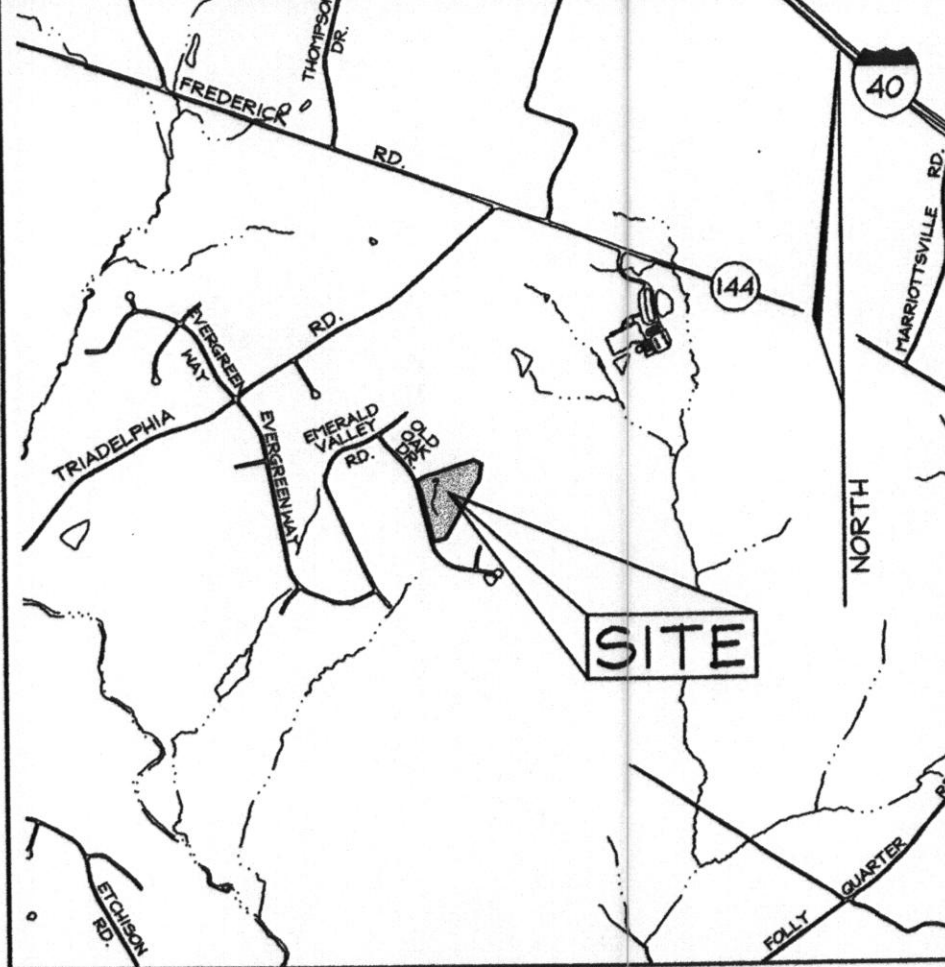
**SOILS LEGEND**

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	BAILE SILT LOAM	D
ChB2	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
ChC2	CHESTER SILT LOAM 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B
GnB2	GLENVILLE SILT LOAM 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	C
MIB2	MANOR LOAM 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B

**PERC. CHART**

Number	Elevation
800	475.86
801	477.70
802	481.76

- LEGEND**
- Existing Contour
  - Proposed Contour
  - Spot Elevation
  - Direction of Flow
  - Stabilized Construction Entrance
  - Silt Fence
  - Super Silt Fence
  - Limit of Disturbance
  - Existing Trees to remain
  - Wetlands
  - Wetlands Buffer
  - Walk Out Basement
  - Perc Test (Passed)
  - Existing Sewerage Easement
  - Proposed Sewerage Easement

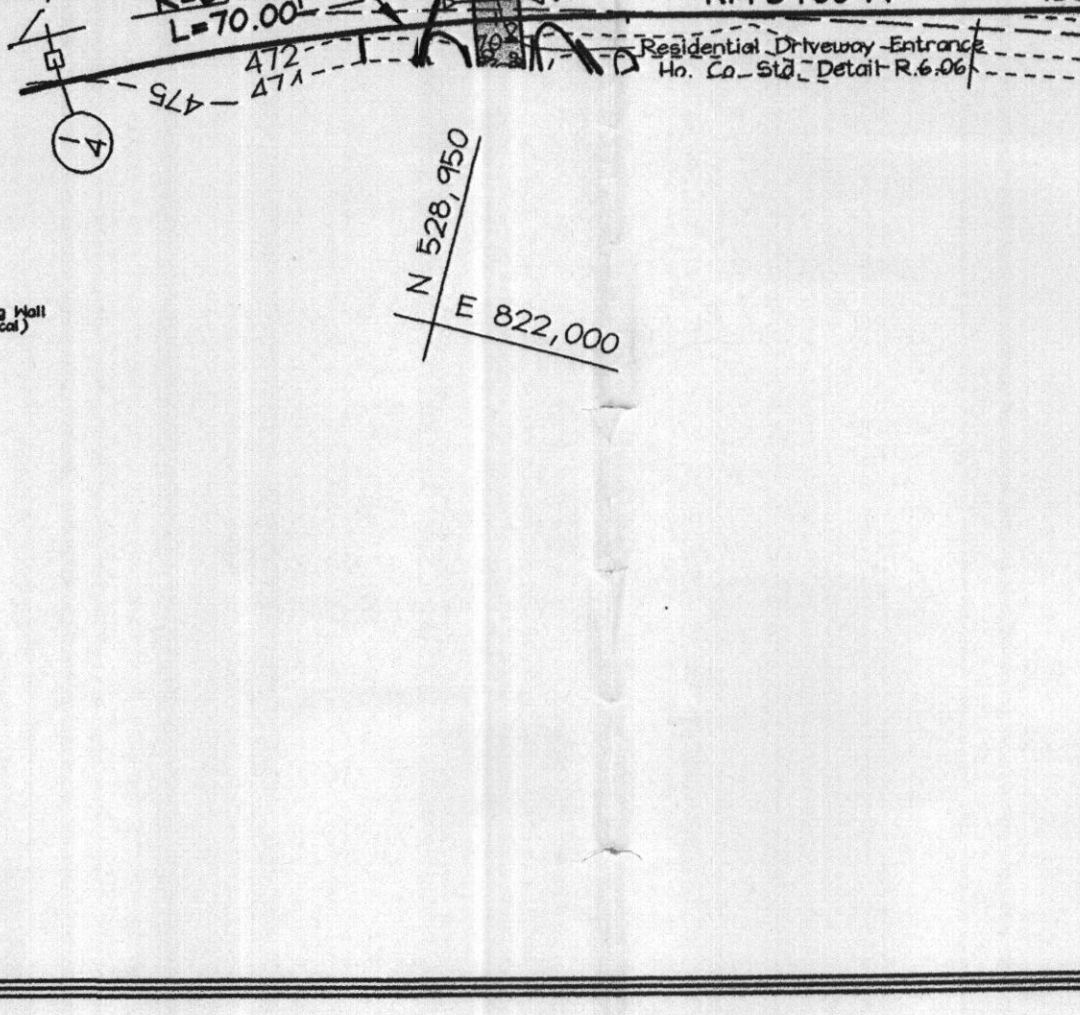
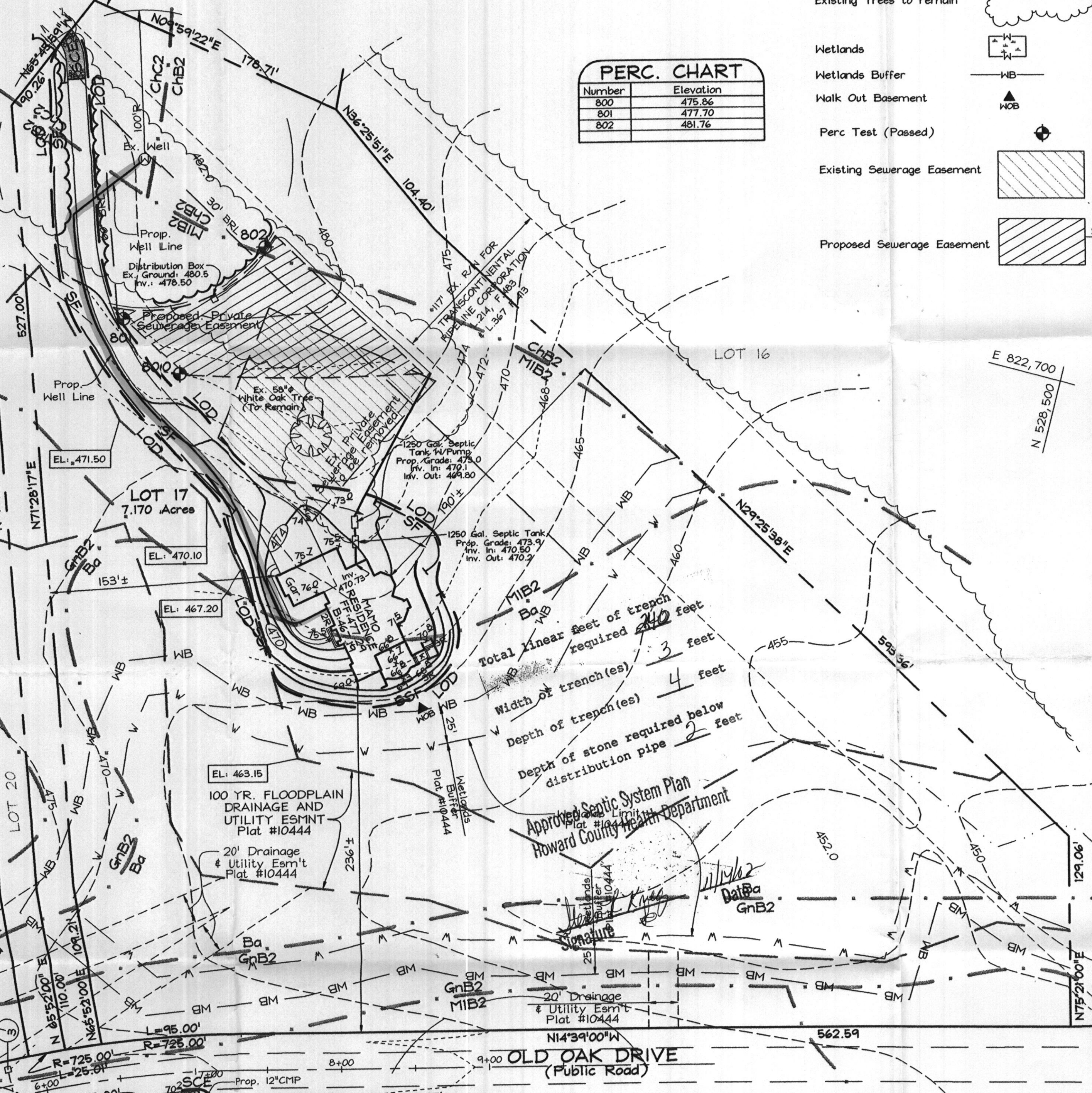


**VICINITY MAP**  
SCALE: 1"=2000'

**SEDIMENT CONTROL NOTES**

- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within (a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes, and all slopes greater than 3:1 (b) 14 days for all other disturbed or graded areas on the project site.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding, soil, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:
 

Total Area	7.17 Acres
Area Disturbed	0.84 Acres
Area to be roofed or paved	0.24 Acres
Area to be vegetatively stabilized	0.56 Acres
Total Cut	0.22 CY
Total Fill	10.56 CY
Offsite waste/borrow area location	##
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.
- Earthwork quantities are solely for the purpose of calculating fees. Contractor to verify all quantities prior to the start of construction.
- To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved and active grading permit.



DO NOT DISCARD

**BUILDER**  
GREENFIELD HOMES, Inc.  
6656 Luster Drive  
Highland, Maryland 20777  
410.781.6782

**GRADING PLAN AND REVISED PERCOLATION CERTIFICATION PLAN**  
**HAWKSFIELD ESTATES**  
LOT 17  
TAX MAP 16423 GRID 20  
3RD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

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

DESIGN BY: PS  
DRAWN BY: M2  
CHECKED BY: ZTF  
SCALE: 1"=50'  
DATE: Nov. 23, 2002  
W.O. No.: 3128  
SHEET No.: 1 OF 1