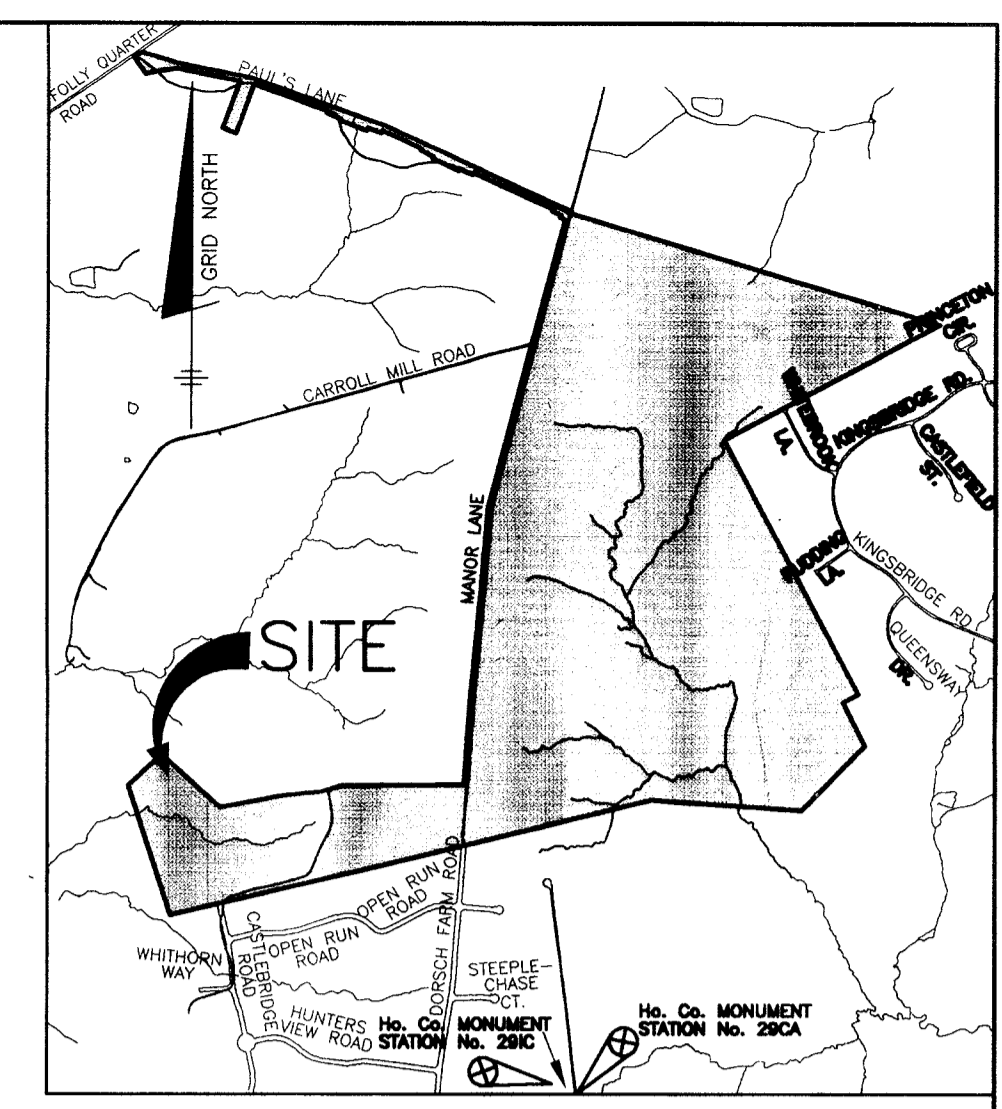


SYMBOL	HYDRIC	HYDROLOGIC GROUP	SOILS CHART NAME
Ba	YES	D	BAILE SILT LOAM
CgB2		B	CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES MODERATELY ERODED
CgC2		B	CHESTER GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES MODERATELY ERODED
ChA		B	CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES
ChB2		B	CHESTER SILT LOAM, 3 TO 8 PERCENT, MODERATELY ERODED
ChC2		B	CHESTER SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
ChC3		B	CHESTER SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
ChD2		B	CHESTER SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED
Cs		B	CONULS SILT LOAM
EKB2		C	ELIOAK SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
EKC2		C	ELIOAK SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
EKD2		C	ELIOAK SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED
EIC3		C	ELIOAK SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
GIA		B	GLENELG LOAM, 0 TO 3 PERCENT SLOPES
GB2		B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
GIC2		B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
GD2		B	GLENELG LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED
GD3		B	GLENELG LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED
GVA	YES	C	GLENVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES
GhB2	YES	C	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
Hs	YES	D	HATBORO SILT LOAM
Md			MADE LAND
MgB2		B	MANOR GRAVELLY LOAM, 3 TO 8 PERCENT, MODERATELY ERODED
MgC2		B	MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
MgC3		B	MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
MIB2		B	MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
IMC2		B	MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
MIC3		B	MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
MD2		B	MANOR LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED
MD3		B	MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED
ME		B	MANOR LOAM, 25 TO 45 PERCENT SLOPES
Mf		B	MANOR VERY STONY LOAM, 25 TO 60 PERCENT SLOPES



VICINITY MAP
SCALE: 1" = 2000'

BENCHMARK	NAD'83 HORIZONTAL
HO. CO. #29CA 3/4" REBAR W/ CAP N 9744558.136' E 1343533.820' ELEV=423.53	HO. CO. #29IC STAMPED ALUMINUM DISK SET ON 3/4" IRON ROD N 973233.899' E 1344112.295' ELEV=468.79

FOREST CONSERVATION WORKSHEET
Version 1.0

Project: Carroll/Ziegler
Date: September 12, 2006

NET TRACT AREA	Acres
A. Total tract area	75.7
B. Area within 100 Year Floodplain	2.1
C. Area to remain in agricultural production - unforested ag pres.	29.9
D. Net Tract Area	43.7

LAND USE CATEGORY: (from table 3.2.1, page 40, Manual)
ARA MDR IDA HDR MPD CIA

	(percentage)	
E. Afforestation Threshold	0.20	8.7
F. Conservation Threshold	0.25	10.9

EXISTING FOREST COVER:

G. Existing forest cover (excluding floodplain)		29.0
H. Area of forest above afforestation threshold		20.3
I. Area of forest above conservation threshold		18.1

BREAK EVEN POINT:

J. Forest retention above threshold with no mitigation		3.6
K. Clearing permitted without mitigation	Break-Even Point	14.5

PROPOSED FOREST CLEARING

L. Total area of forest to be Cleared or Retained Outside FCE		14.5
M. Total area of forest to be Retained in FCE		14.5

PLANTING REQUIREMENTS

N. Reforestation for clearing above Conservation Threshold		3.6
P. Reforestation for clearing below Conservation Threshold		0
Q. Credit for retention above conservation threshold		3.6
R. Total reforestation required		0
S. Total afforestation required		0

NOTE: THIS IS THE FOREST CONSERVATION WORKSHEET FOR THE FUTURE SUBDIVISION OF BULK PARCEL "F" (SP-07-05).

FOREST RETENTION AREA
MACHINERY, DUMPING OR STORAGE OF ANY MATERIALS IS PROHIBITED
VIOLATORS ARE SUBJECT TO FINES AS IMPOSED BY THE HOWARD COUNTY FOREST CONSERVATION ACT OF 1995

FCE ACREAGE CHART

EASEMENT #	ACREAGE (RETENTION)
FCE#1	6.42 AC.
TOTALS	6.42 AC.

- FP NOTES:
- ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS WHICH MAY BE FOUND IN THE LAND RECORDS OF HOWARD COUNTY WHICH RESTRICT THE DISTURBANCE AND USE OF THESE AREAS.
 - FORESTED AREAS OCCURRING OUTSIDE OF THE FCE SHALL NOT BE CONSIDERED PART OF THE FCE AND SHALL NOT BE SUBJECT TO PROTECTIVE LAND COVENANTS.
 - LIMITS OF DISTURBANCE SHALL BE NOTED TO AREAS OUTSIDE THE LIMIT OF TEMPORARY FENCING OR THE FCE BOUNDARY, WHICHEVER IS GREATER.
 - THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, EXCEPT AS PERMITTED BY HOWARD COUNTY DPZ.
 - NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC. SHALL OCCUR WITHIN AREAS DESIGNATED AS FOREST CONSERVATION EASEMENTS.
 - TEMPORARY FENCING SHALL BE USED TO PROTECT FOREST RESOURCES DURING CONSTRUCTION. FENCING SHALL BE INSTALLED ALONG LIMITS OF DISTURBANCE OCCURRING WITHIN 50 FEET OF THE PROPOSED FCE LIMITS. PERMANENT SIGNAGE WILL BE POSTED AT 50-100 FOOT INTERVALS ALONG ALL FCE LIMITS.
 - THE TOTAL FOREST CONSERVATION OBLIGATION FOR CARROLL-ZIEGLER PROPERTY, RESUBDIVISION OF PARCEL "F" (SP-07-05), WILL BE PARTIALLY MET THROUGH THE RETENTION ON THE AREA SHOWN WITHIN THE LIMITS OF THE DENSITY SENDING EASEMENT, OF 6.42 ACRES OF NET TRACT AREA FOREST WITHIN THE LIMITS OF A FOREST CONSERVATION EASEMENT, SURVEY IN THE AMOUNT OF \$55,931.04 SHALL BE REQUIRED IN CONJUNCTION WITH THE RESUBDIVISION OF BULK PARCEL "F".

FLOODPLAIN NOTE:
PORTIONS OF THE SITE OCCURRING WITHIN THE 100-YEAR FLOODPLAIN ARE NOT INCLUDED AS PART OF THE NET TRACT AREA OF THE SITE. AREAS OF FLOODPLAIN FOREST OCCURRING WITHIN THE LIMITS OF A FOREST CONSERVATION EASEMENT WILL BE PROTECTED BY THE EASEMENT RESTRICTIONS BUT HAVE NOT BEEN CREDITED TOWARD THE PROJECTS FCA OBLIGATIONS.

NOTE:
THIS SUBDIVISION COMPLIES WITH THE RURAL CLUSTER OPTION C OF APPENDIX L OF THE FOREST CONSERVATION MANUAL TO SATISFY FOREST CONSERVATION REQUIREMENTS. THIS OPTION ALLOWS FOR THE EVALUATION, INCLUSION OR EXCLUSION OF INDIVIDUAL PARCELS FROM THE NET TRACT AREA.

Eco-Science Professionals, Inc.
CONSULTING ECOLOGISTS

MD DIVERSITY & Environmental Sciences
Certified Professional Ecologist
12/14/06
Jenny Canada

P.O. Box 3004 Glen Allen, MD 21057 (410) 592-0752

LEGEND

- (15) COORDINATE POINT
- STREAM
- PRESERVATION EASEMENT
- SEPTIC EASEMENT
- FOREST CONSERVATION EASEMENT
- TREELINE
- FCE SIGN

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Donald Mason
12/15/06

OWNER/DEVELOPER: NATALIE ZIEGLER ET AL 4288 MANOR LANE ELLCOTT CITY, MARYLAND 21042 410-740-6880	PROJECT: CARROLL/ZIEGLER RESUBDIVISION OF BULK PARCEL F
LOCATION: TAX MAP: 23, GRID: 10 370 PARCELS: 130 SECOND AND THIRD ELECTION DISTRICTS HOWARD COUNTY, MARYLAND	TITLE: SUPPLEMENTAL FOREST CONSERVATION PLAN
DATE: DECEMBER, 2006	PROJECT NO. NA
DES: JC	DRAFT: JC
CHECK: DAM	SCALE: 1" = 200'
	SHEET 1 OF 1

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

Cindy Hanna 1.2.07
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Paul Chandra 12.26.06
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE