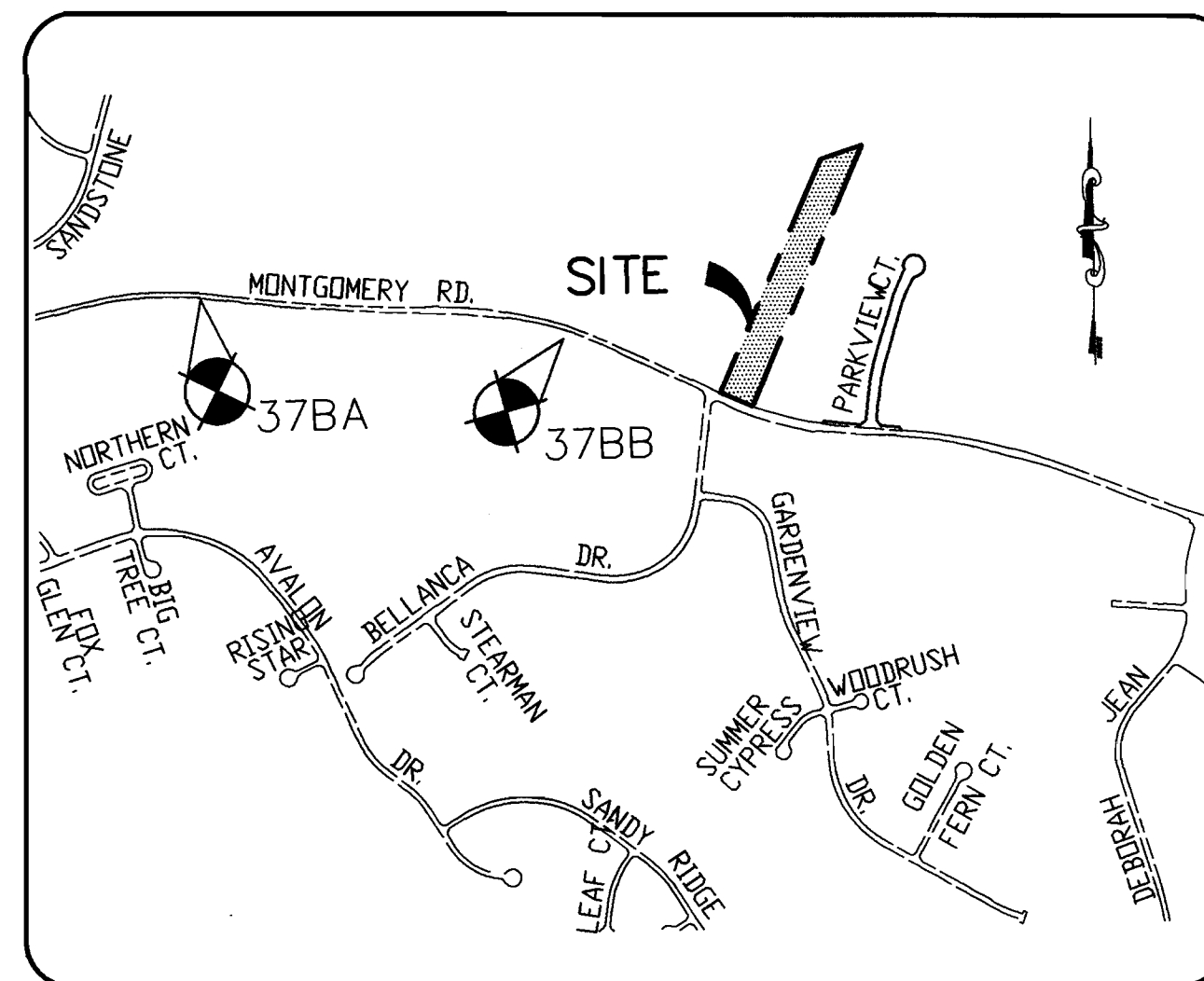


INDEX OF DRAWINGS	
NO.	DESCRIPTION
1	COVER SHEET
2	SITE DEVELOPMENT PLAN
3	SEDIMENT AND EROSION CONTROL DETAILS

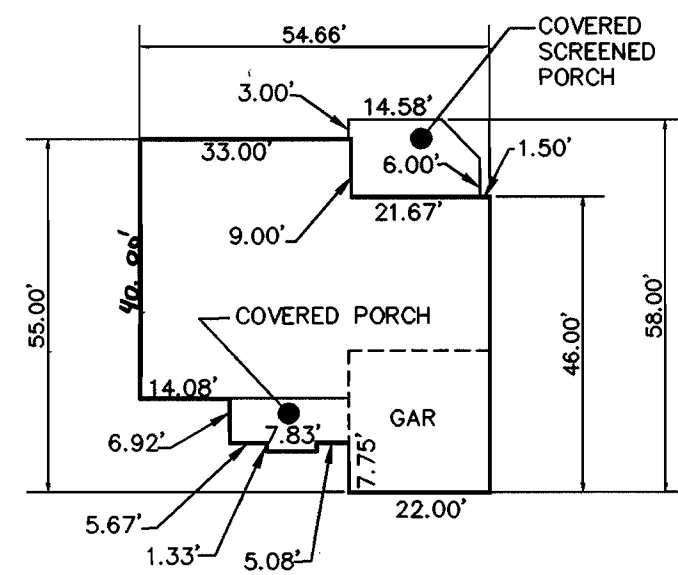
ADDRESS CHART	
PARCEL #	STREET ADDRESS
48	6239 MONTGOMERY ROAD

PERMIT INFORMATION CHART					
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL #			
CATTERTON PROPERTY	N/A	48			
PLAT # OR L/P	GRID #	ZONE	TAX MAP	ELEC. DIST.	CENSUS TRACT
L.8720, F.173	5	R-20	37	1ST	6012.01
WATER CODE	D04	SEWER CODE	2153800		
PROPOSED IMPROVEMENTS: CONSTRUCT HOUSE, ASSOCIATED GRADING, AND SEDIMENT CONTROL					

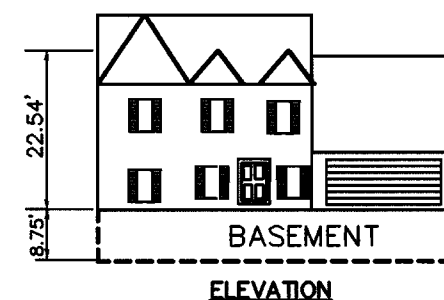
SITE DEVELOPMENT PLAN CATTERTON PROPERTY FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1"=1000'



PLAN



CATTERTON HOUSE
SCALE 1"=30'

GENERAL NOTES:

- THIS PLAN IS SUBJECT TO COUNCIL BILL 45-2003, THE AMENDED FIFTH EDITION OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND TO THE FEBRUARY 2, 2004, ZONING REGULATIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY, AND MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/ CONSTRUCTION INSPECTION DIVISION AT (410)-313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS PRIOR TO ANY EXCAVATION WORK:

MISS UTILITY	1 (800)257-7777
VERIZON TELEPHONE COMPANY	(410) 725-9976
HOWARD COUNTY BUREAU OF UTILITIES	(410) 313-4900
AT&T CABLE LOCATION DIVISION	(410) 393-3533
BALTIMORE GAS & ELECTRIC	(410) 685-0123
STATE HIGHWAY ADMINISTRATION	(410) 531-5533
HOWARD COUNTY DEPT. OF PUBLIC WORKS/ CONSTRUCTION INSPECTION DIVISION	(410) 313-1880
- SITE ANALYSIS CHART:

a. LOCATION : TAX MAP 37, PARCELS 48	DEED REFERENCE: 8720/173
b. TOTAL PROJECT AREA: 3.00 AC.±	
c. LIMIT OF DISTURBED AREA: 0.11 AC. ±	
d. ZONING : R-20	
e. PROPOSED USE FOR SITE : RESIDENTIAL	
f. TYPE OF PROPOSED UNIT : SFD	
g. NUMBER OF PROPOSED BUILDABLE LOTS : 1	
h. NUMBER OF PROPOSED OPEN SPACE LOTS : 0	
i. AREA OF BUILDABLE LOTS : 3.00 AC. ±	
j. AREA OF ROAD DEDICATION : 0.60 AC. ±	
k. MINIMUM LOT AREA : 20,000 SQ.FT.	
l. DPZ FILE NOS. : NONE	
- TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY BY MILDENBERG BOENDER & ASSOC. ON OR ABOUT FEBRUARY 2005. OFFSITE TOPO IS SUPPLEMENTED WITH HOWARD COUNTY AERIAL TOPOGRAPHY.
- BOUNDARY INFORMATION BASED ON BOUNDARY SURVEY PERFORMED BY MILDENBERG, BOENDER & ASSOCIATES, INC. ON OR ABOUT FEBRUARY 2005.
- NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON-SITE PER THE HOWARD COUNTY HISTORIC SITES LIST DATED DECEMBER 1994 AND THE HOWARD COUNTY CEMETERIES AND GRAVESITES INVENTORY, RESOLUTION # 47-1994.
- EXISTING STRUCTURES ON PARCEL ARE TO BE REMOVED.
- NO STEEP SLOPES, 15% TO 25% SLOPES, STREAMS OR WETLANDS EXIST ON SITE.
- NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM (S), OR THEIR BUFFERS AND FOREST CONSERVATION EASEMENT AREAS.
- ALL DRIVEWAY ENTRANCES FOR THIS PROJECT WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL R 6.06.
- SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED 1968, SHEET 26.
- PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. PUBLIC WATER AND SEWER WILL BE UTILIZED.
- ALL AREAS ARE MORE OR LESS.
- HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND HAD 83 (HORZ) AND NGVD92 (VERT) AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 37BA & 37BB.

STA. No. 37BA	N 563,785.618	ELEV. 394.786
	E 1,376,343.172	
STA. No. 37BB	N 563,663.415	ELEV. 373.822
	E 1,378,040.471	
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH - 12 FEET (14 FEET SERVING MORE THAN ONE RESIDENCE).
 - SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH A MINIMUM OF 1 1/2" OF TAR AND CHIP COATING.
 - GEOMETRY - MAXIMUM 14% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45-FOOT TURNING RADIUS.
 - STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 - STRUCTURE CLEARANCES - MINIMUM 12 FEET
 - MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
- FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY LINE AND NOT ONTO THE PIPESTEM LOT DRIVEWAY.
- LANDSCAPING HAS BEEN PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING ON PARCEL 48 (16 EVERGREEN TREES, 9 SHADE TREES) IN THE AMOUNT OF \$5,100.00 WILL BE POSTED AS PART OF THE GRADING PERMIT.
- AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.
- IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- NO STORMWATER MANAGEMENT IS REQUIRED. THE TOTAL DISTURBED AREA IS LESS THAN 5000 SQ. FT.
- ADEQUATE FACILITIES ROAD TEST EVALUATION WAS PERFORMED BY MARS GROUP IN MARCH 2005.
- THIS SITE IS EXEMPT FROM NOISE STUDY ABATEMENT REQUIREMENTS SINCE THIS SECTION OF MONTGOMERY ROAD, WHICH RUNS EAST-WEST FROM ITS INTERSECTION WITH DEBORAH JEAN DRIVE TO ITS INTERSECTION AT MARSHALLEE DRIVE, IS CLASSIFIED AS A PUBLIC LOCAL ROAD.
- PRIVATE WELL & SEPTIC EXIST ON THIS PROPERTY, EVEN THOUGH THE EXISTING HOUSE IS BEING SERVICED BY PUBLIC WATER & SEWER. DOCUMENTATION WILL BE PROVIDED TO THE HEALTH DEPARTMENT BY A LICENSED WELL DRILLER FOR THE WELL ABANDONMENT AND THE SEPTIC WILL BE PUMPED, COLLAPSED AND FILLED IN.
- A DECLARATION OF INTENT ~~WAS~~ BE FILED DOCUMENTING THAT LESS THAN 40,000 SQ.FT. OF FOREST WILL NOT BE DISTURBED. BEING THAT THIS IS A SINGLE LOT, THE HOWARD COUNTY FOREST CONSERVATION PROGRAM ALLOWS THE PROPERTY TO BE EXEMPT FROM FOREST CONSERVATION. *According to this Dec., 200 sq. feet of forest will be cleared.*
- A LETTER OF AUTHORIZATION HAS BEEN OBTAINED BETWEEN LAND OWNERS ALLOWING OFFSITE GRADING INTO MARBUCK ESTATES (SP-05-007). ALL GRADING DONE ON THIS PROPERTY WILL REFLECT AND COORDINATE WITH MARBUCK ESTATES.

OWNER

WILL CATTERTON
6229 LATCHLIFT COURT
ELKRIDGE, MARYLAND 21075
(410) 579-8889

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

William T Catterton 4/26/06
SIGNATURE OF DEVELOPER DATE

WILLIAM T CATTERTON
PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

John M. Maguire 4/26/06
SIGNATURE OF ENGINEER DATE

John M. Maguire
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

John M. Maguire 5/14/06
HONORARY - NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

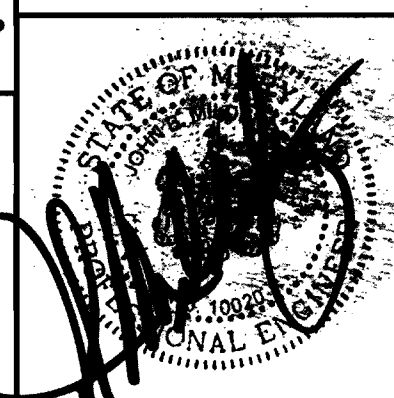
John R. Platner 5/14/06
HONORARY SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chris Damiano 5/16/06
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Andy Starnita 5/16/06
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Marvin J. Eagle 5/26/06
DIRECTOR DATE



project	date	illustration	engineering	EGJ/MMT	EGJ/MMT	approval
04-080	APR 2006					

project	date	description	revisions

CATTERTON PROPERTY
 SINGLE FAMILY DETACHED DWELLING
 TAX MAP # 37 PARCEL 48 GRID 5
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 COVER SHEET

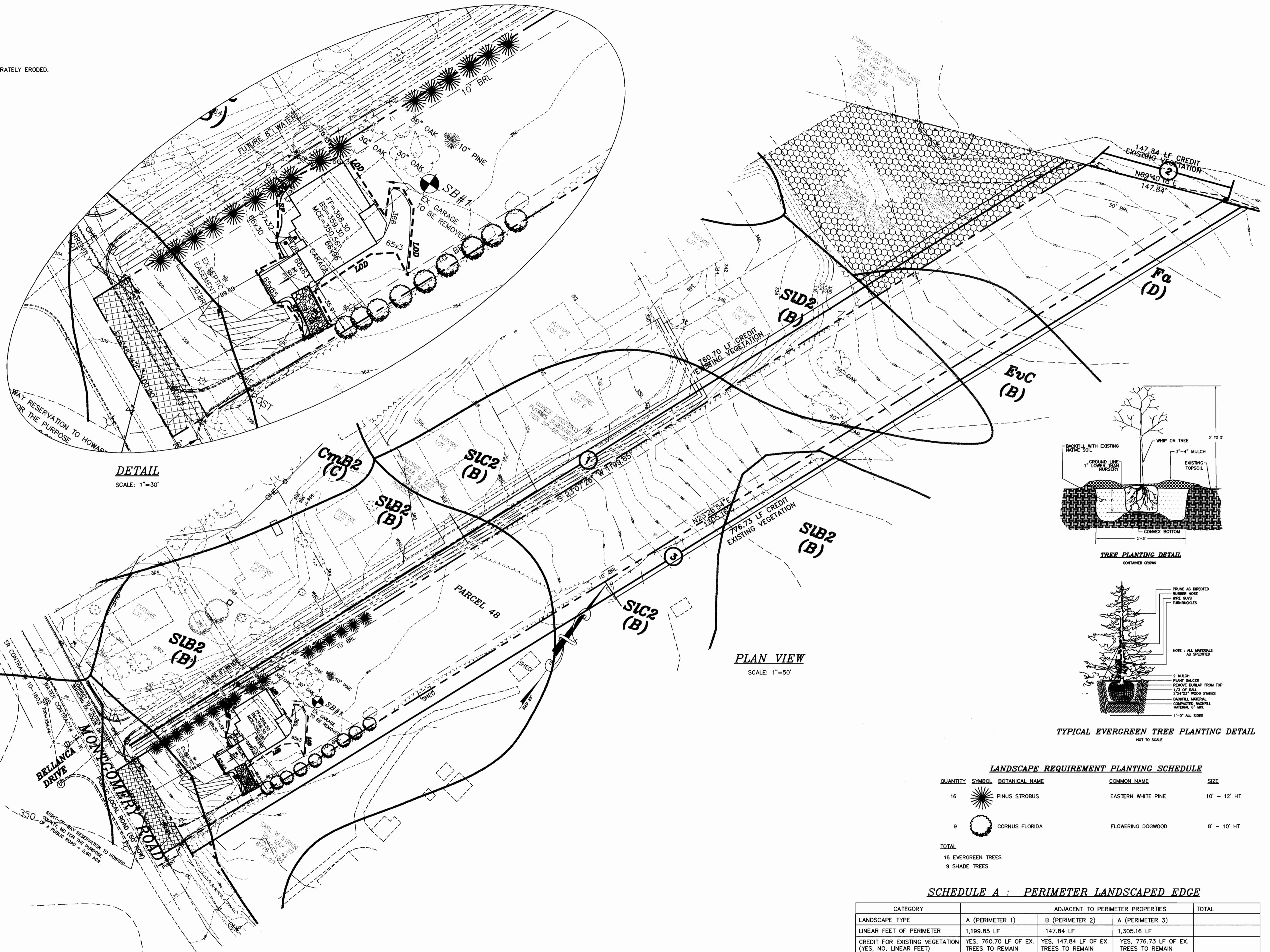
MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 Bait. (301) 621-5521 Wash. (410) 997-0298 Fax.

SOILS CLASSIFICATION

- Fa (D) FALLSINGTON LOAM
- EVC (B) EVESBORO LOAMY SAND, 5% TO 15% SLOPES
- SIB2 (B) SASSAFRAS LOAM, 1% TO 5% SLOPES, MODERATELY ERODED.
- SIC2 (B) SASSAFRAS LOAM, 5% TO 10% SLOPES, MODERATELY ERODED.
- SID2 (B) SASSAFRAS LOAM, 10% TO 15% SLOPES, MODERATELY ERODED.
- SIC2 (B) SASSAFRAS GRAVELLY SANDY LOAM, 5% TO 10% SLOPES, MODERATELY ERODED.
- CmB2 (B) CHILLUM SILT LOAM, 1% TO 5% SLOPES, MODERATELY ERODED.

LEGEND

- EXISTING TREELINE
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- EXISTING FOREST CONSERVATION EASEMENT (RETENTION)
- DENOTES LIMIT OF DISTURBANCE



DEVELOPER'S/OWNER'S CERTIFICATE
 I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.12A OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE-YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

William T Catterton 4-26-06
 NAME DATE

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

William T Catterton 4-26-06
 SIGNATURE OF DEVELOPER DATE
 WILLIAM T CATTERTON
 PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

John A. Blanton 4/27/06
 SIGNATURE OF ENGINEER DATE
 John A. Blanton
 PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Morgan 5/4/06
 SIGNATURE OF NRCSD REPRESENTATIVE DATE
 Jim Morgan
 PRINTED NAME OF NRCSD REPRESENTATIVE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John A. Blanton 5/4/06
 SIGNATURE OF DISTRICT REPRESENTATIVE DATE
 John A. Blanton
 PRINTED NAME OF DISTRICT REPRESENTATIVE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Steve Stuber 5/16/06
 SIGNATURE OF CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
 Steve Stuber
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

Indy Hammett 5/16/06
 SIGNATURE OF CHIEF, DIVISION OF LAND DEVELOPMENT DATE
 Indy Hammett
 CHIEF, DIVISION OF LAND DEVELOPMENT

Wanda D. Gault 5/16/06
 SIGNATURE OF DIRECTOR DATE
 Wanda D. Gault
 DIRECTOR



OWNER
 WILL CATTERTON
 6229 LATCHLIFT COURT
 ELK RIDGE, MARYLAND 21075
 (410) 579-8889

LANDSCAPE REQUIREMENT PLANTING SCHEDULE

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
16		PINUS STROBUS	EASTERN WHITE PINE	10' - 12' HT
9		CORNUS FLORIDA	FLOWERING DOGWOOD	8' - 10' HT
TOTAL				
16	EVERGREEN TREES			
9	SHADE TREES			

SCHEDULE A: PERIMETER LANDSCAPED EDGE

CATEGORY	ADJACENT TO PERIMETER PROPERTIES			TOTAL
	A (PERIMETER 1)	B (PERIMETER 2)	A (PERIMETER 3)	
LINEAR FEET OF PERIMETER	1,199.85 LF	147.84 LF	1,305.16 LF	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	YES; 760.70 LF OF EX. TREES TO REMAIN (439.15 LF REMAINING)	YES; 147.84 LF OF EX. TREES TO REMAIN (0 LF REMAINING)	YES; 776.73 LF OF EX. TREES TO REMAIN (528.43 LF REMAINING)	
NUMBER OF PLANTS REQUIRED	8 SHADE TREES 16 EVERGREEN TREES 0 SHRUBS	0 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	9 SHADE TREE 0 EVERGREEN TREES 0 SHRUBS	17 SHADE TREES 16 EVERGREEN TREES 0 SHRUBS
CREDIT FOR EXISTING VEGETATION	SHADE TREES EVERGREEN TREES	N/A N/A	N/A N/A	0 SHADE TREES 0 EVERGREEN TREES
NUMBER OF PLANTS PROVIDED	0 SHADE TREES 16 EVERGREEN TREES (2:1 SUB.) 0 OTHER TREES (2:1 SUBSTITUTION) 0 SHRUBS (10:1 SUBSTITUTION)	0 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	9 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	9 SHADE TREES 16 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS

Project: 04-080 APR 2006
 Illustration: EGI/MNT
 Scale: 1"=50'

CATTERTON PROPERTY
 SINGLE FAMILY DETACHED DWELLING
 TAX MAP # 37 PARCEL 48 GRID 5
 HOWARD COUNTY, MARYLAND
 FIRST ELECTION DISTRICT
 SITE DEVELOPMENT PLAN

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042
 (410) 997-0296 Bldg. (301) 621-5551 Wash. (410) 997-0298 Fax.

2 OF 3
 SDP-06-008

HOWARD SOIL CONSERVATION DISTRICT

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
 1) PREFERRED - APPLY 2 TONS PER ACRE DOMOLIC LIMESTONE (82 LBS./1000 SQ.FT.) AND 800 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING.
 HARRON OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-5-2 UREANUM FERTILIZER (8 LBS./1000 SQ.FT.).
 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOMOLIC LIMESTONE (82 LBS./1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARRON OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE 14 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. PER ACRE 14 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ.FT.) OF WEeping LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - SEED WITH 60 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 UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING 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 PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 TONS PER ACRE OF ANNUAL RYE (32 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEeping LOVEGRASS (07 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 15 THRU NOVEMBER 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOO.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. FOR ADDITIONAL RATES AND METHODS NOT COVERED.

STANDARD SEDIMENT CONTROL NOTES

1) A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (313-1855).

2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THEREOF.

3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

4) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (SEC.5), SOO (SEC. 54), TEMPORARY SEEDING AND MULCHING (SEC.52). MULCHING AND SEEDING SHALL BE COMPLETED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (SEC.5), SOO (SEC. 54), TEMPORARY SEEDING AND MULCHING (SEC.52).

5) 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.

6) SITE ANALYSIS:
 TOTAL AREA OF SITE: 3.00 ACRES
 AREA DISTURBED: 0.11 ACRES
 AREA TO BE ROOFED OR PAVED: 0.07 ACRES
 AREA TO BE VEGETATIVELY STABILIZED: 2.82 ACRES
 TOTAL CUT: 500 CU. YDS.
 TOTAL FILL: 500 CU. YDS.
 TOTAL WASTE/BORROW AREA LOCATION: (NOT REQUIRED)

7) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

8) ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

9) 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 CONTROL, 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.

10) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

STANDARD AND SPECIFICATIONS FOR TOPSOIL

DEFINITION

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

PURPOSE

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW pH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRAINATION.

CONDITIONS UNDER WHICH PRACTICE APPLIES

- THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
 - THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
 - THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
 - THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
 - THE SOIL IS SO ACDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
- FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

CONSTRUCTION AND MATERIAL SPECIFICATIONS

- TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
 - TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND, OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRICULTURIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CHICKENS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
 - TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONSON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
 - WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.
- FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
 - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
 - FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:
 - ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:
 - pH FOR TOPSOILS SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A pH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PERSCRIBED TO RAISE THE pH TO 6.5 OR HIGHER.
 - ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.
 - TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
 - NO SOO OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.
 - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
 - WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DICES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
 - GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 4" - 6" HIGHER IN ELEVATION.
 - TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SOODING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
 - TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MIDDY CONDITION WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDING PREPARATION.
- ALTERNATIVE FOR PERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL FERTILIZER, COMPOSTED SLUDGE AND AMENDMENTS MAY BE APPLIED AS SPECIFIED BELOW:
 - COMPOSTED SLUDGE MATERIAL FOR USE AS A SOIL CONDITIONER FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES SHALL BE TESTED TO PRESCRIBE AMENDMENTS AND FOR SITES HAVING AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS WHO ARE PERMITTED (AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06.
 - COMPOSTED SLUDGE SHALL CONTAIN AT LEAST 1 PERCENT NITROGEN, 1.5 PERCENT PHOSPHORUS, AND 0.2 PERCENT POTASSIUM AND HAVE A pH OF 7.0 TO 8.0. IF THE COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS PRIOR TO USE.
 - COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET.
 - COMPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILIZER APPLIED AT THE RATE OF 4 LB/1,000 SQUARE FEET, AND 1/2 THE NORMAL LIME APPLICATION RATE.

NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRICULTURIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.

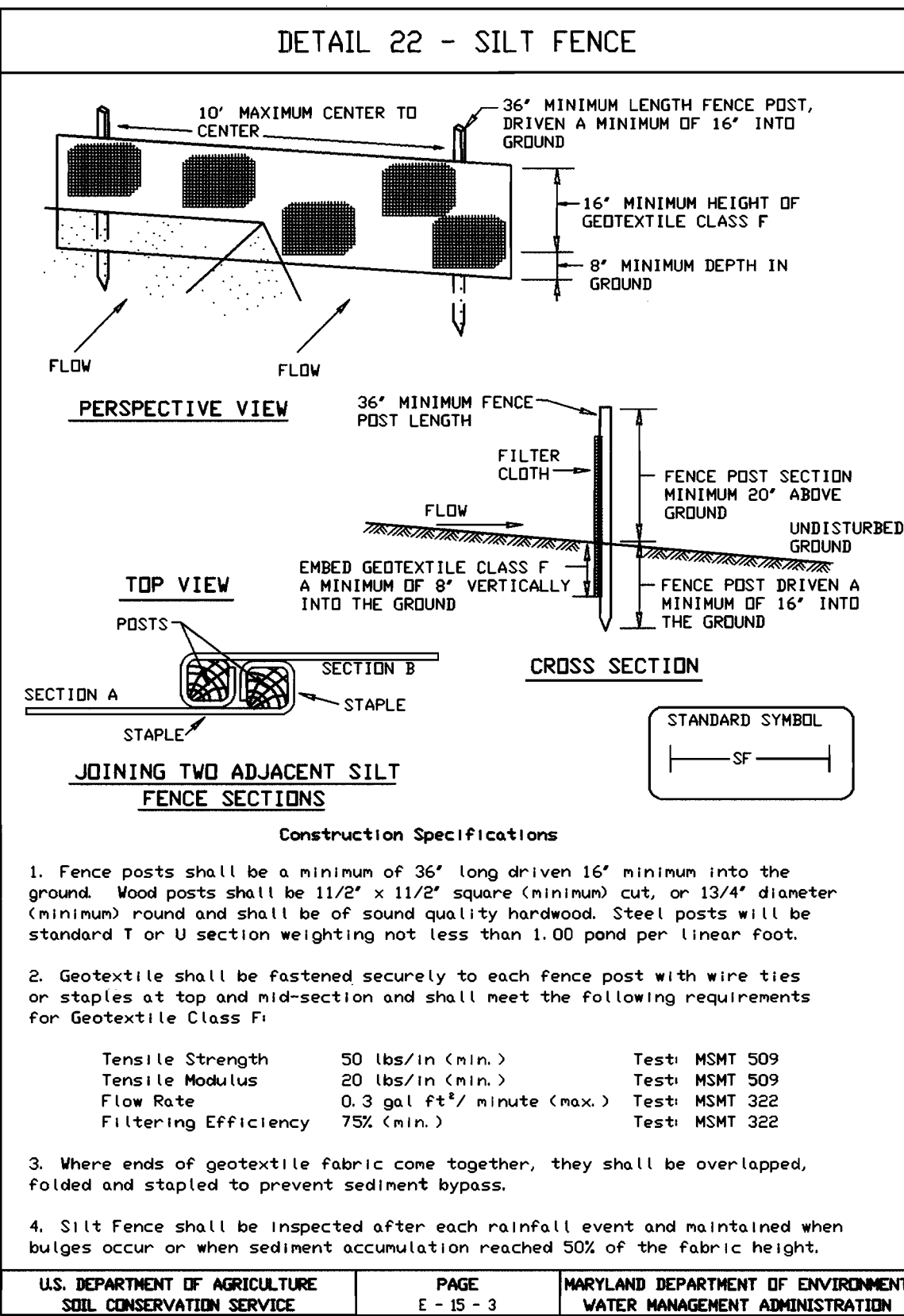
REFERENCES: GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SOODING. MD-VA, PUB. #L COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND AND VIRGINIA POLYTECHNIC INSTITUTES. REVISED 1973.

TEMPORARY DUST CONTROL MEASURES

- MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.
- VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
- TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS APCEED ABOUT 12" APART, SPRING-TOOTHED HARRONS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED. AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THAT RUNOFF BEGINS TO FLOW.
- BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.
- CALCIUM CHLORIDE - APPLY AT RATES THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

SEQUENCE OF CONSTRUCTION

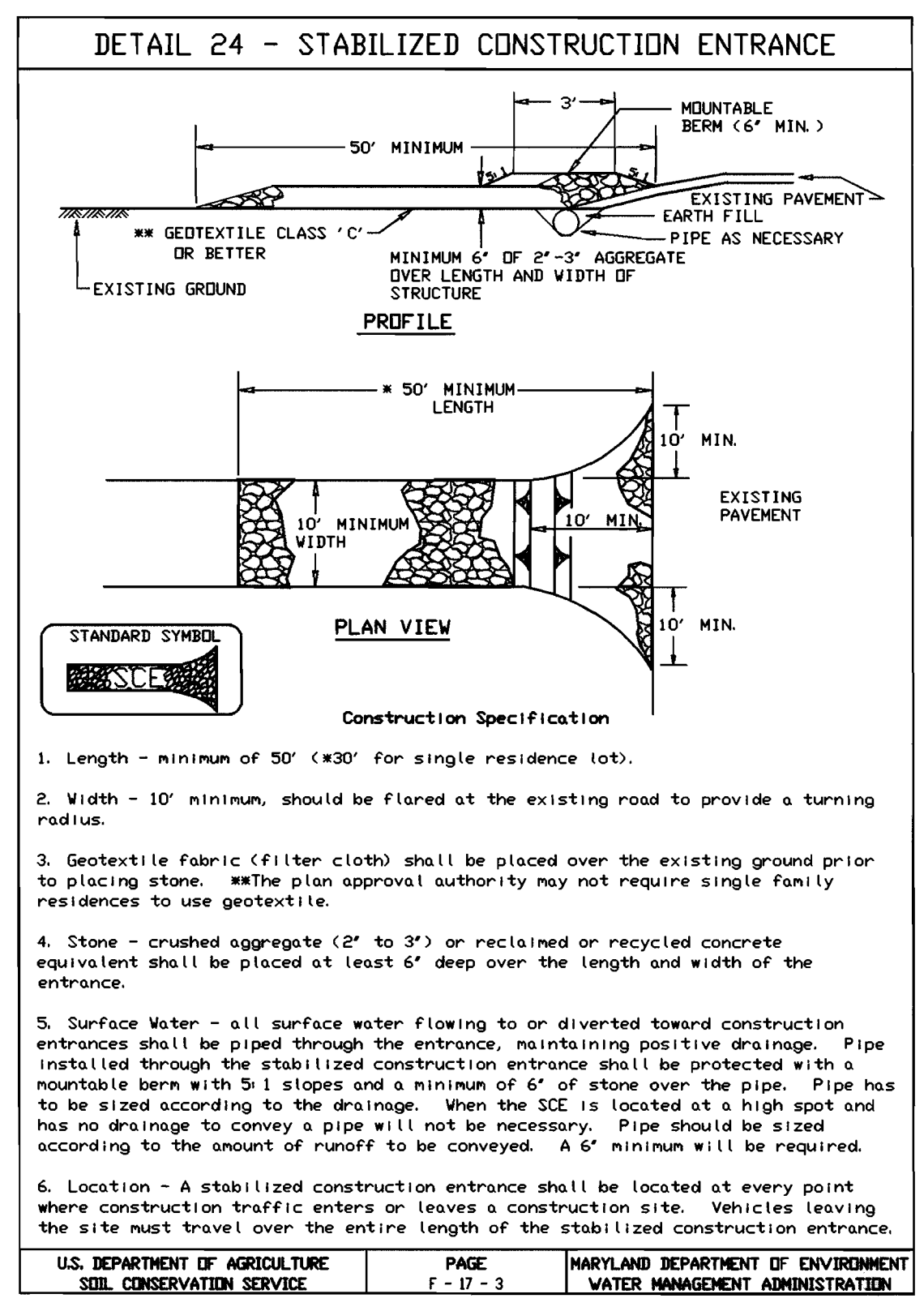
- OBTAIN GRADING PERMIT. (1 DAY)
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCING AT LOCATIONS INDICATED. (4 DAYS)
- WITH PERMISSION OF SEDIMENT CONTROL INSPECTOR BRING SITE TO GRADE INDICATED.
- COMPLETE CONSTRUCTION. (120 DAYS)
- STABILIZE DISTURBED AREAS. (3 DAYS)
- WHEN ALL CONTRIBUTING DRAINAGE AREAS TO SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS (10 DAYS)



SILT FENCE		
Silt Fence Design Criteria		
Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2:1 slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE E - 15 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *William T Catterton* DATE: 4-26-06
 Signature: *William T Catterton* DATE: 4-26-06
 Signature: *John Milroy* DATE: 5/16/06
 Signature: *John Milroy* DATE: 5/16/06
 Signature: *John Milroy* DATE: 5/16/06
 Signature: *John Milroy* DATE: 5/16/06

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A FEASIBLE AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *John Milroy* DATE: 5/16/06
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THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Signature: *John Milroy* DATE: 5/16/06
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APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Signature: *John Milroy* DATE: 5/16/06
 Signature: *John Milroy* DATE: 5/16/06
 Signature: *John Milroy* DATE: 5/16/06
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DATE: APR 2006
 PROJECT: 04-080
 ILLUSTRATION: EGI/MMT
 SCALE: 1"=50'
 APPROVAL: EGI/MMT

DATE: 5/16/06
 DESCRIPTION: SEDIMENT CONTROL NOTES
 REVISIONS: 1

CATTERTON PROPERTY
 SINGLE FAMILY DETACHED DWELLING
 TAX MAP # 37 PARCEL 48 GRID 5
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SEDIMENT CONTROL NOTES

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Elkridge City, Maryland 21042
 (410) 997-0296 Balt. (301) 621-6521 Wash. (410) 997-0298 Fax.

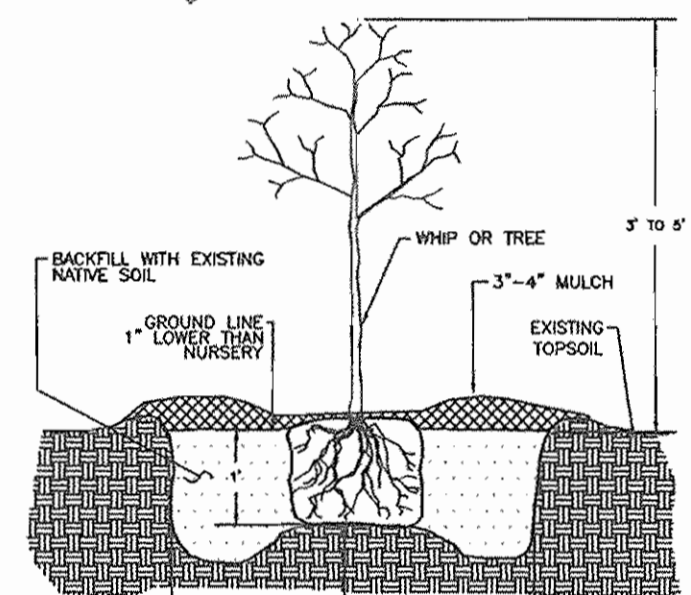
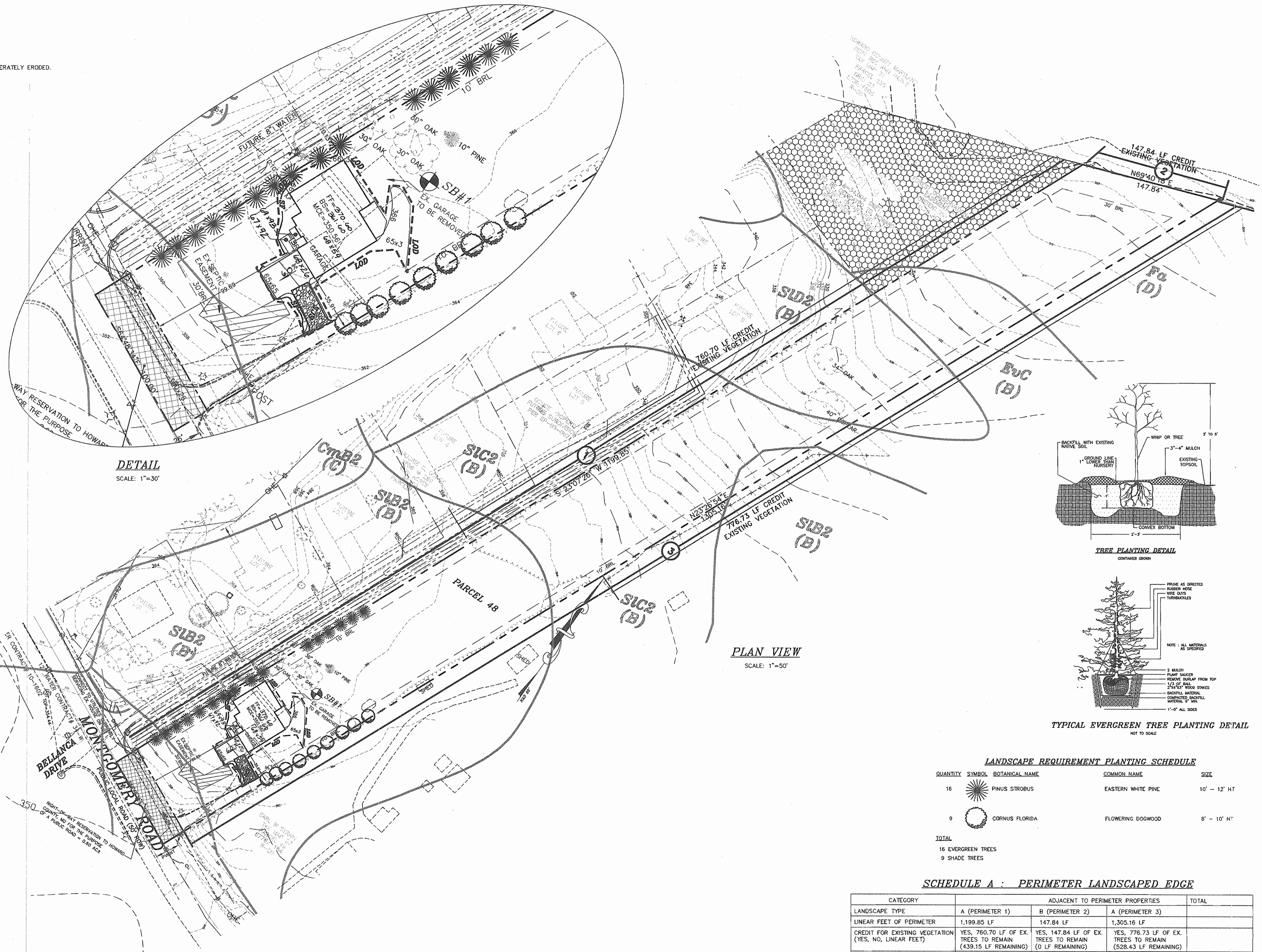
3 OF 3
 SDP-06-008

SOILS CLASSIFICATION

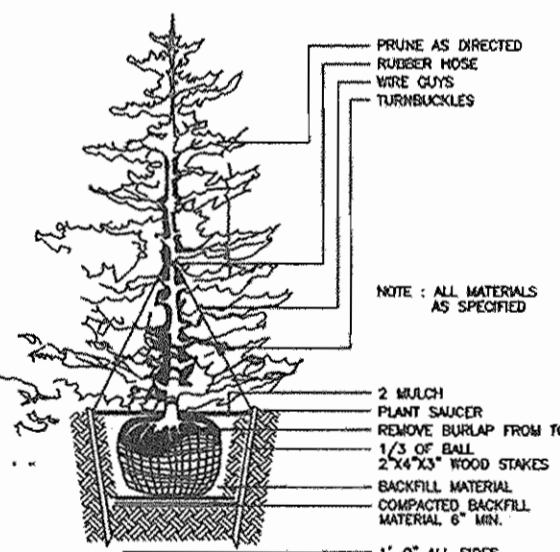
- Fo (D) FALLSINGTON LOAM
- EvC (B) EVESBORO LOAMY SAND, 5% TO 15% SLOPES
- SIB2 (B) SASSAFRAS LOAM, 1% TO 5% SLOPES, MODERATELY ERODED.
- SIC2 (B) SASSAFRAS LOAM, 5% TO 10% SLOPES, MODERATELY ERODED.
- SD2 (B) SASSAFRAS LOAM, 10% TO 15% SLOPES, MODERATELY ERODED.
- SFC2 (B) SASSAFRAS GRAVELLY SANDY LOAM, 5% TO 10% SLOPES, MODERATELY ERODED.
- CmB2 (B) CHILLUM SILT LOAM, 1% TO 5% SLOPES, MODERATELY ERODED.

LEGEND

- EXISTING TREELINE
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- EXISTING FOREST CONSERVATION EASEMENT (RETENTION)
- DENOTES LIMIT OF DISTURBANCE



TREE PLANTING DETAIL



TYPICAL EVERGREEN TREE PLANTING DETAIL

LANDSCAPE REQUIREMENT PLANTING SCHEDULE

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
16		PINUS STROBUS	EASTERN WHITE PINE	10' - 12' HT
9		CORNUS FLORIDA	FLOWERING DOGWOOD	8' - 10' HT
TOTAL				
16		EVERGREEN TREES		
9		SHADE TREES		

SCHEDULE A : PERIMETER LANDSCAPED EDGE

CATEGORY	ADJACENT TO PERIMETER PROPERTIES			TOTAL
	A (PERIMETER 1)	B (PERIMETER 2)	A (PERIMETER 3)	
LANDSCAPE TYPE	1,199.85 LF	147.84 LF	1,305.16 LF	
LINEAR FEET OF PERIMETER	1,199.85 LF	147.84 LF	1,305.16 LF	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	YES, 760.70 LF OF EX. TREES TO REMAIN (439.15 LF REMAINING)	YES, 147.84 LF OF EX. TREES TO REMAIN (0 LF REMAINING)	YES, 776.73 LF OF EX. TREES TO REMAIN (528.43 LF REMAINING)	
NUMBER OF PLANTS REQUIRED	8 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	0 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	9 SHADE TREE 0 EVERGREEN TREES 0 SHRUBS	17 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS
CREDIT FOR EXISTING VEGETATION	SHADE TREES EVERGREEN TREES	N/A N/A	N/A N/A	0 SHADE TREES 0 EVERGREEN TREES
NUMBER OF PLANTS PROVIDED	0 SHADE TREES 16 EVERGREEN TREES (2:1 SUB.) 0 SUBSTITUTION TREES 0 SHRUBS (10:1 SUBSTITUTION)	0 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	9 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	9 SHADE TREES 16 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS

DEVELOPER'S/OWNER'S CERTIFICATE
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Signature: *William T. Catterton* DATE: 4-26-06

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I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *William T. Catterton* DATE: 4-26-06

Signature: *William T. Catterton*

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Signature: *John K. Whitford* DATE: 4/27/06

Signature: *Jim Meyer* DATE: 5/4/06

Signature: *John K. Whitford* DATE: 5/4/06

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OWNER
WILL CATTERTON
6229 LATCHLIFT COURT
ELKBRIDGE, MARYLAND 21075
(410) 579-8889

Project	04-080	Date	APR 2006
Illustration	EGJ/MMT	Engineering	EGJ/MMT
Scale	1"=50'	Approval	EGJ/MMT

Revisions	2/14/07	Date	2/14/07
Description	REVISED HOLD EASEMENTS	Revisions	EGJ/MMT

CATTERTON PROPERTY
SINGLE FAMILY DETACHED DWELLING
TAX MAP# 37 PARCEL 48 GHID 5
FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SITE DEVELOPMENT PLAN

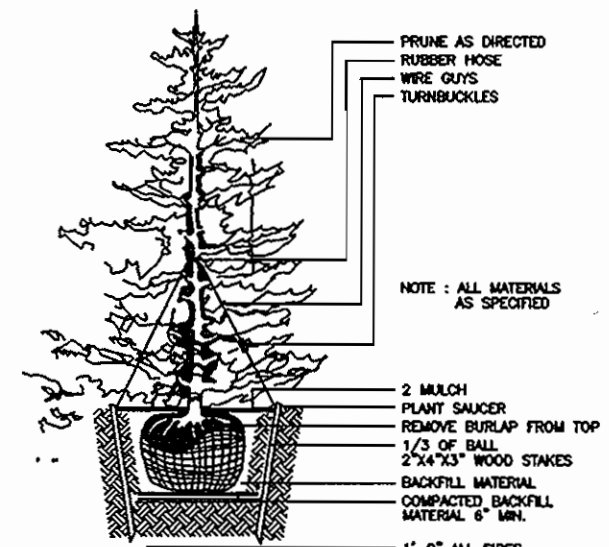
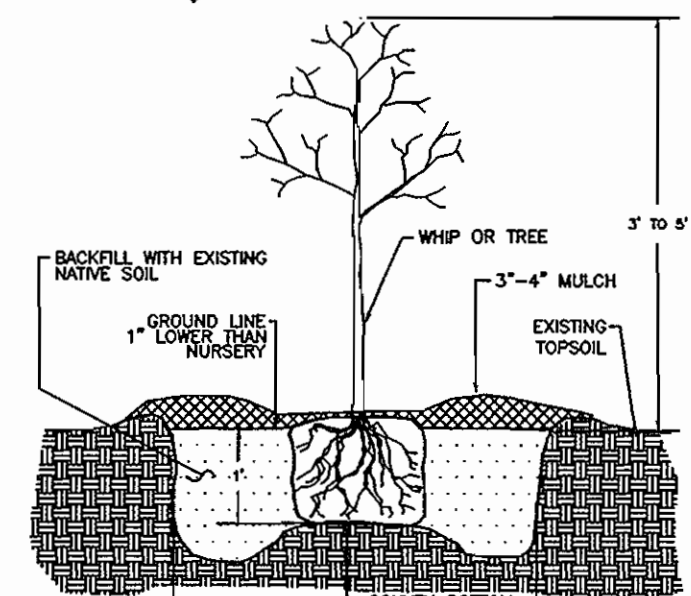
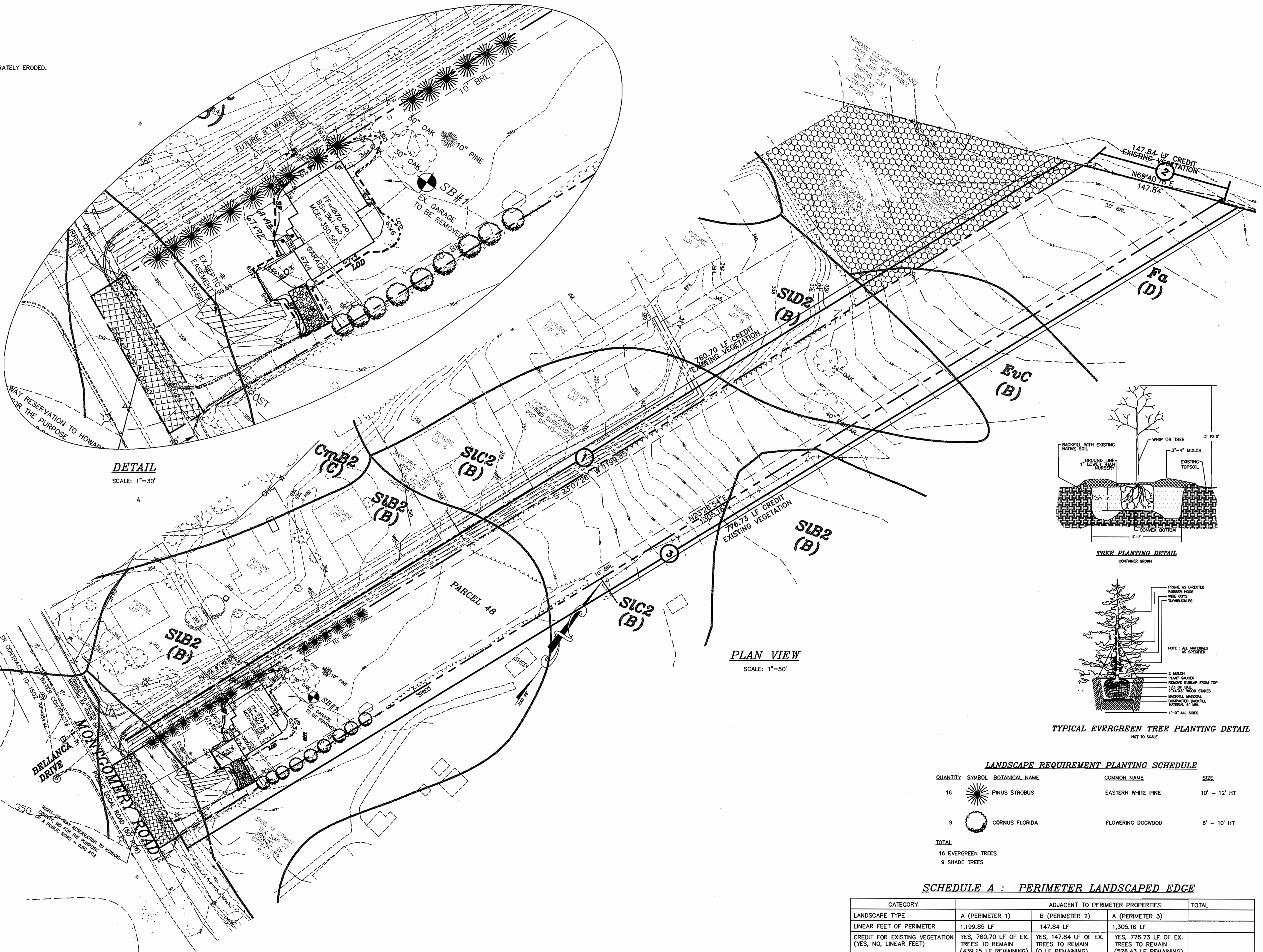
MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive Suite 202, Ellicott City, Maryland 21042
(410) 987-0266 Ext. (301) 621-5521 Wash. (410) 987-0299 Fax

SOILS CLASSIFICATION

- Fo (D) FALLSINGTON LOAM
- Evc (B) EYEBORO LOAMY SAND, 5% TO 15% SLOPES
- SIB2 (B) SASSAFRAS LOAM, 1% TO 5% SLOPES, MODERATELY ERODED.
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LEGEND

- EXISTING TREELINE
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- EXISTING FOREST CONSERVATION EASEMENT (RETENTION)
- DENOTES LIMIT OF DISTURBANCE



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SHADE TREES				0 SHADE TREES
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William T. Catterton 4-26-06
NAME DATE

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William T. Catterton 4-26-06
SIGNATURE OF DEVELOPER DATE

William T. Catterton
PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

John H. Roberts 4/27/06
SIGNATURE OF ENGINEER DATE

John H. Roberts
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Meyer 5/14/06
NRCS - NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

John H. Roberts 5/14/06
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chris DeLuca Slube
CHIEF, DEVELOPMENT ENGINEERING DIVISION 78 DATE

Chris Henrichs 5/16/06
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Frank J. Coughlin 5/16/06
DIRECTOR DATE

OWNER

WILL CATTERTON
6229 LATCHLIFT COURT
ELKBRIDGE, MARYLAND 21075
(410) 579-8889

Project	04-080	Date	APR 2006
Illustration	EGJ/MMT	Engineering	EGJ/MMT
Scale	1"=50'	Approval	EGJ/MMT

Revised	2/1/07	Revised	2/1/07
Revised	2/1/07	Revised	2/1/07
Revised	2/1/07	Revised	2/1/07

CATTERTON PROPERTY
SINGLE FAMILY DETACHED DWELLING
TAX MAP# 37 PARCEL 48 GRID 5
FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SITE DEVELOPMENT PLAN

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Drexel Hill Drive, Suite 202, Ellicott City, Maryland 21042
(410) 987-0286 Balt. (301) 621-5521 Wash. (410) 987-0288 Fax