### **GENERAL NOTES** 1. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK. 2. THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS: BELL ATLANTIC TELEPHONE CO: HOWARD COUNTY BUREAU OF UTILITIES: VERIZON CABLE LOCATION DIVISION: B.G.&E. CO. CONTRACTOR SERVICES: B.G.&E. CO. UNDERGROUND DAMAGE CONTROL: 410-787-4620 STATE HIGHWAY ADMINISTRATION: 3. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING, CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRICE 4. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED THE CONTRACTOR'S EXPENSE. 5. EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS AND AVAILABLE RECORD DRAWING: APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTORS INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. 5. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT. . 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. B. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS: A) WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE)

THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE

ROBERT H. VOGEL ENGINEERING, INC., DATED 2003.

G) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE

F) STRUCTURE CLEARANCES - MINIMUM 12 FEET

ENGINEERING, INC., DATED AUGUST 2003.

15. NO STREAMS OR WETLANDS EXIST ON SITE. 16. NO 100 YEAR FLOODPLAINS EXISTS ON SITE.

STANDARD DETAIL R-6.06 (OPEN SECTION).

SHALL BE POSTED WITH THE GRADING PERMIT.

REGULATIONS EFFECTIVE OCTOBER 2, 2003. 22. THIS SITE IS LOCATED IN THE METROPOLITAN DISTRICT.

23. STOCKPILING WILL NOT BE ALLOWED ON SITE.

14' AND 10' RESPECTIVELY.

410-725-9976

410-313-2366

410-850-4620

B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING

D) STRUCTURES (CULVERTS/BRIDGES) - MUST SUPPORT 25 GROSS TON LOADING (H25 LOADING) e) Drainage elements - Capable of Safely Passing 100 Year Flood events with NO More

9. THE SUBJECT PROPERTY IS ZONED R-20 PER THE FEBRUARY 2, 2004 COMPREHENSIVE ZONING PLAN. 10. COORDINATES AND ELEVATIONS ARE BASED ON HOWARD COUNTY MONUMENT NO.'S 17FA AND 24C2. 11. THE PROJECT BOUNDRY IS BASED ON A BOUNDARY SURVEY PERFORMED BY ROBERT H. VOGEL

12. THE TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHICAL SURVEY PERFORMED BY

UNDER CONTRACT NO. 177-S. THIS SITE WILL BE SERVED BY PRIVATE WATER.

CODE FORGST CONSIGNATION SINCE THE PROPERTY IS LESS THAN 40,000 SF. 19. STORMWATER MANAGEMENT REQUIREMENTS ARE PROVIDED BY RAINGARDENS.

14. NO BURIAL GROUNDS OR CEMETERIES ARE LOCATED ON THIS PROPERTY.

13. THE SITE WILL BE SERVED BY PUBLIC SEWER. ACCESS TO PUBLIC SEWER HAS BEEN PROVIDED

17. FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV,

18. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.12026OF THE HOWARD COUNTY

20. PERIMETER LANDSCAPING SHALL BE IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. SURETY IN THE AMOUNT OF \$3,000 FOR THE 10 SHADE TREES

21. THIS SDP IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT

24. THIS PLAN IS SUBJECT TO WP-05-107, APPROVED JULY 7, 2005 TO WAIVE SECTION 16.118(c) OF THE

SUBDIVISION AND LAND DEVELOPMENT REGULATIONS TO ALLOW GRADING OR CONSTRUCTION WITHIN 10' OF A GRAVE SITE. 25. THIS PLAN IS SUBJECT TO A DESIGN WAIVER TO DESIGN MANUAL, VOLUME III APPROVED JUNE 14, 2005 TO REDUCE THE

WIDTH OF A SINGLE DRIVEWAY FROM 12' TO 10' AND TO REDUCE THE REQUIRED 24' EASEMENT AND 18' EASEMENT TO

C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE, AND MINIMUM 45 FOOT TURNING

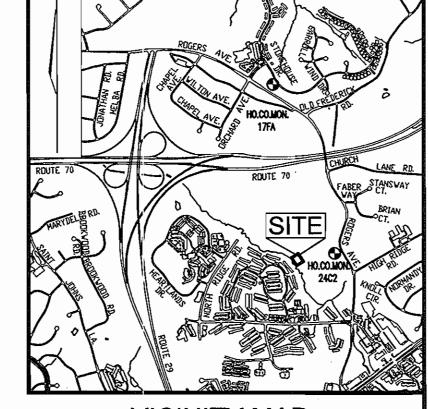
410-393-3553

	-		PROPERTIES	PROPERTIES	PROPERTIES	PROPERTIE
	·	LANDSCAPE TYPE	TYPE 'A'	. TYPE 'A'	TYPE 'A'	TYPE 'A'
		LINEAR FEET OF PERIMETER	116'A	189' B	116'©	189' <b>(</b>
G/ RIOR		CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES* 86'	YES* 36'	YES* 49'	NO
AT NGS.		CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO
)N i N		NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	1 0 0	3 0 0	2 0 0	4 0 0

NOTES  1. SEE "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE—WASHINGTON METROPOLITAN AREAS" FOR ALL MATERIAL, PRODUCT, AND PROCEDURE SPECIFICATIONS.  2. SEE "LANDSCAPE GUIDELINES" FOR SUPPORTING TREES LARGER THAN 2—1/2" CALIPER.  3. PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS.  4. KEEP MULCH 1" FROM TRUNK  5. SEE ARCHITECTURAL PLANS FOR ADDITIONAL PLANTINGS WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS.  6. TREES ARE NOT TO BE PLANTING MIX— SEE PLANTING MOTES  LEADER MUST REMAIN INTACT PRUNE APPROXIMATELY 30% OF CROWN—SEE 'LANDSCAPE GUIDELINES'. DO NOT PRUNE EVERGREEN TREES.  2 STRANDS OF GALVANIZED WIRE TWISTED FOR SUPPORT UPRIGHT STAKES—SET IN CROWND TO FIRM BEARING RUBBER HOSE CUT BURLAP & ROPE FROM TOP OF BALL  3" DEPTH MULCH 2" EARTH SAUCER—FINISH GRADE  1/8 DEPTH OF BALL  PLANTING MIX— SEE PLANTING NOTES
PLANTED OVER PRIVATE  SEWAGE EASEMENT.  NOTES  LOOSENED SUBSOIL
, <u> </u>
TREE PLANTING AND STAKING
DECIDUOUS TREES UP TO 2-1/2" CALIPER

NOT TO SCALE

OOH O LEOEND	
SOILS LEGEND	
NAME / DESCRIPTION	GROUP
MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	В



VICINITY MAP SCALE: 1"=2000'

BENCHMARKS							
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION			
17FA	534,199	852,209	470.18	CONCRETE MONUMENT			
24C2	527,899	853,620	354.76	CONCRETE MONUMENT			

بنده	LEGEND						
	202 — — — — 210 — — —	EXISTING 2 FT CONTOUR EXISTING 10 FT CONTOUR PROPOSED 2 FT CONTOUR PROPOSED 10 FT CONTOUR					
	-SSF	SUPER SILT FENCE					
LOD_	LOD	LIMIT OF DISTURBANCE					
	SCE	STABILIZED CONSTRUCTION ENTRANCE					
		PROPOSED PERIMETER TREE					
	~~~.	EXISTING TREELINE PROPOSED TREELINE					
		EXISTING RETAINING WALL					
		PROPERTY LINE					
	T_1	TEST PIT					

SITE ANALYSIS DATA CHART							
TOTAL PROJECT AREA 21,801 SF (0.50 /	4C)	AREA OF F SUBMISSI 24,518 SF (	ON	LIMIT DISTURBI 24,518	ED ARI	EΑ	PRESENT ZONING R-20
PROPOSED USE RESIDENTIAL		TYPE OF U SINGLE FAMILY		TOTAL UI ALLOWE 1			TAL UNITS ROPOSED 1
OPEN SPACE REQUIRED N/A	C	PEN SPACE PROVIDED N/A	RECREATI SPACE RI N/	EQUIRED		CE	TION OPEN PROVIDED N/A
DPZ FILE REF.:	WP-0	05-107	'	DEED RE	F.:	620	6 / 100

SUBDIVISION NAME WEST JONESTOWN			SECTION/AREA F			ARCEL NUMBER 618	
LIBER / FOLIO TAX MAP GRID N 6206 / 100 17 24		GRID NO. 24	ZONE R-20	ELECT. E 2NE		CENSUS TR. 6026.00	
WATER CODE: NA			SEWER CODE: 1454000				

	ADDRESS CHART
LOT#	STREET ADDRESS
1	2938 ROGERS AVENUE

REVISE HOUSE MODEL		11.9.06
REVISION		DATE
	REVISION	REVISION

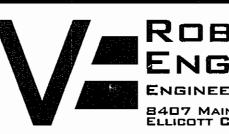
# **MUNDORF PROPERTY**

SITE DEVELOPMENT PLAN

SINGLE FAMILY RESIDENCE

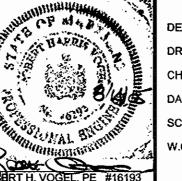
TAX MAP 17 GRID 24 2ND ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS . SURVEYORS . PLANNERS

8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



• 3			
.)	DESIGN BY:	_	
	DRAWN BY:	_	
Minner	CHECKED BY:		
\$	DATE:	AU	GUST
	SCALE:		1
أكوزر	W.O. NO.:		05-
المُعَدَدُ ا			

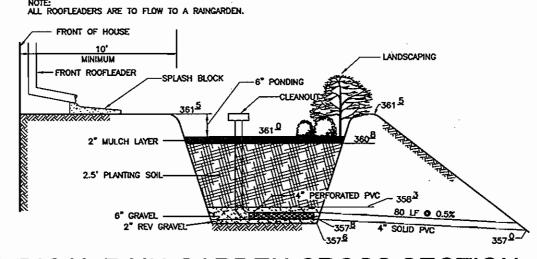
DESIGN BY:	LJT
DRAWN BY:	LJT
CHECKED BY:	RHV
DATE:	AUGUST, 2005
SCALE:	1*=50'
W.O. NO.:	05-18.00

SDP-05-121

SHEET 2

SCHEDULE A PERIMETER LANDSCAPE EDGE						
CATEGORY	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES		
LANDSCAPE TYPE	TYPE 'A'	TYPE 'A'	TYPE 'A'	TYPE 'A'		
LINEAR FEET OF PERIMETER	116' (A)	189' B	116' ©	189' <b>(</b>		
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES* 86'	YES* 36'	YES* 49'	NO		
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO		
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	1 0 0	3 0 0	2 0 0	4 0 0		
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	1 0 0 0	3 0 0 0	2 0 0 0	4 0 0 0		

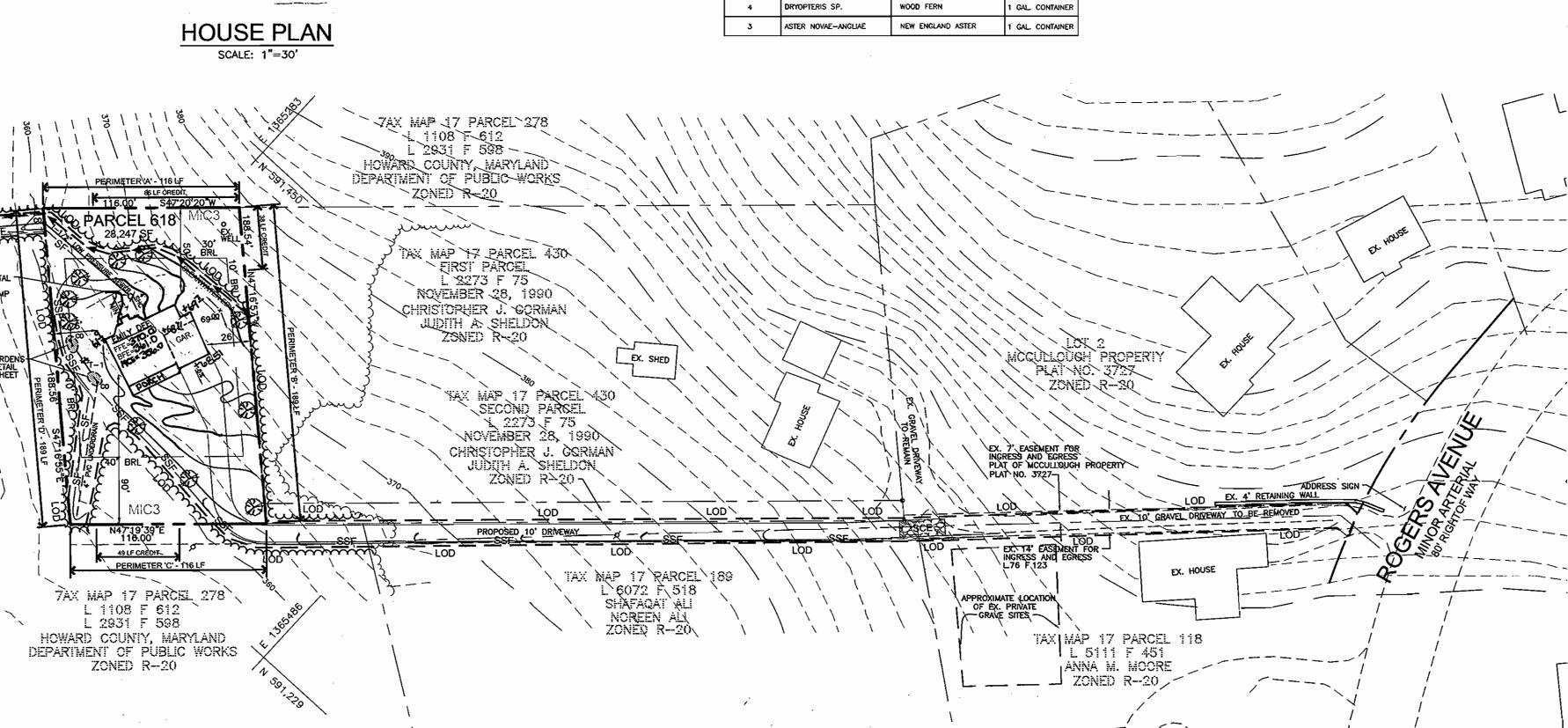
	PLANT LIS	T	-
QTY	BOTANICAL NAME/ COMMON NAME	SIZE	ROOT
10	ACER RUBRUM 'OCTOBER GLORY'/ OCTOBER GLORY RED MAPLE	2-1/2"-3" ÇAL	B & B



## TYPICAL RAIN GARDEN CROSS SECTION

NOT TO SCALE					
	RAINGARDEN PLANT	LIST (8'L x 1.7'W)(2 EAC	H)		
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE		
1	PLATANUS X ACERIFOLIA	LONDON PLANE TREE	2 1/2"-3" Cal.		
1	ILEX GLABRA	INK BERRY	2 '-3' нт.		
6	LOBELEA CARDINALIS	CARDINAL FLOWER LOBELIA	1 GAL CONTAINER		
4	DRYOPTERIS SP.	WOOD FERN	1 GAL CONTAINER		
3	ASTER NOVAE—ANGLIAE	NEW ENGLAND ASTER	1 GAL. CONTAINER		

<b></b>	- 1583 1 1431 583 1 1431	21'-2"
41.00	28.90	88.88
=	22.00' 00 10 10 10 10 10 10 10 10 10 10 10 10	GAR. N
	190.61	



APPROVED: FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT 3 PO 19 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC YORKS

ZONED R+10

**ENGINEERS CERTIFICATE** "I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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 HOWARD SOIL CONSERVATION DISTRICT.

8/15/05 ROBERT H. VOGEL, PE #16193

DEVELOPER'S CERTIFICATE

Matthew Mendy

PLAN

SCALE: 1"=50'

I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL 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 HOWARD SOIL

8/16/05

LANDSCAPE 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.

8/16/05

OWNER / DEVELOPER

MATTHEW J. MUNDORF 4035 COLLEGE AVENUE

ELLICOTT CITY, MD 21043

### SEDIMENT CONTROL NOTES

- 1. 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).
- 2. 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. 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, DIKES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3:1, (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 5. 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, SOD, 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
- 6. 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. 7. SITE ANALYSIS : TOTAL AREA \_\_\_\_ AREA DISTURBED . AREA TO BE ROOFED OR PAVED
- OFFSITE WASTE/BORROW AREA LOCATION \_

AREA TO BE VEGETATIVELY STABILIZED

- 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10. 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.
- 11. 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. 12. ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF CALCULATING
- \* TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT

### SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT.
- 2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS
- (410.313.1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK. 3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. (1 DAY)
- 4. INSTALL SUPER SILT FENCE. (1 DAY)
- 5. AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR TO PROCEED, ROUGH GRADE SITE. (2 DAYS)
- 6. CONSTRUCT SEWER LINE. JACK AND BORE AT STREWAM CROSSING. PROVIDE SILT FENCE AROUND JACK PIT. (2 DAYS)
- 7. CONSTRUCT HOUSE. THE FIRST FLOOR ELEVATION CANNOT BE MORE
- THAN 1' HIGHER OR 0.2' LOWER THAN THE ELEVATIONS SHOWN ON THIS PLAN. THE FOUNDATION FOOTPRINT MUST BE WITHIN THE GENERIC BLOCK. (3 MONTHS)
- 8. UPON STABILIZATION OF ALL DISTURBED AREAS AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES.
- 1. DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE THE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN
- 2. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE

### 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, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

1) 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 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ.FT.)

2) ACCEPTABLE-APPLY 2 TONS PER ACRE DOLOMATIC LIMESTONE (92 LBS/ 1000 SQ.FT.) AND APPLY 1000 LBS. PER ACRE 10-10-10- FERTILIZER (23 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 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE 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 WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) 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 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING. MAINTÉNANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

### **TEMPORARY SEEDING NOTES**

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

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 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 WEEPING LOVEGRASS (.07 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 1 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SERIEM OF A SECOND SEED AS SOON AS POSSIBLE IN THE SERIEM OF A SECOND S IN THE SPRING, OR USE SOD.

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 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDAROS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

### 21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

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

<u>PURPOSE</u> TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETABLE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

### CONDITIONS WHERE PRACTICE APPLIES

- 1. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE: A. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL
- IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH. B. 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.
- C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
- LIMESTONE IS NOT FEASIBLE. II. 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

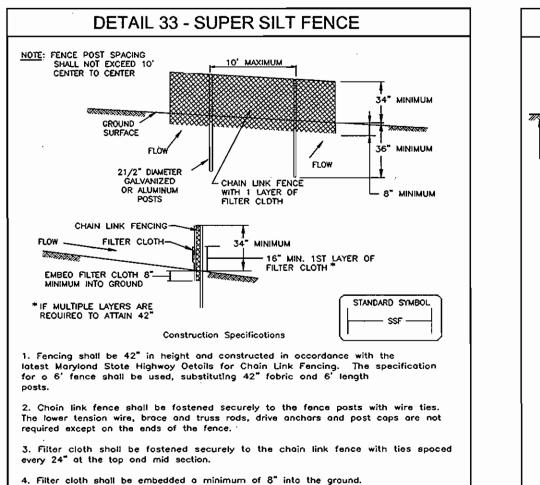
D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH

### 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.
- II. TOPSOIL SPECIFICATIONS SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
- A. 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 AGRONOMIST OR A SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED Subsoils and shall contain less than 5% by volume of CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAT 1 AND 1/2" IN
- B. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
- C. 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 N THE FOLLOWING PROCEDURES.
- III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES: A. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION -SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

1.5 PERCENT BY WEIGHT.

- IV. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES: A. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED
- TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING: B. PH FOR TOPSOIL SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A PH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PRESCRIBED TO RAISE THE PH TO 6.5 OR HIGHER.
- C. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN
- D. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED. E. NO SOD OR SEED SHALL BE PLACED ON SOIL SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS
- USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS LAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.
- NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.
- VI. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMMENDMENTS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION—SECTION I—VEGETATIVE
- STABILIZATION METHODS AND MATERIALS. VII. TOPSOIL APPLICATION
- A. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
- B. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4" 8" HIGHER IN ELEVATION.
- C. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" -8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS
- OR WATER POCKETS. . TOPSOIL SHALL NOT BE PLACE WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

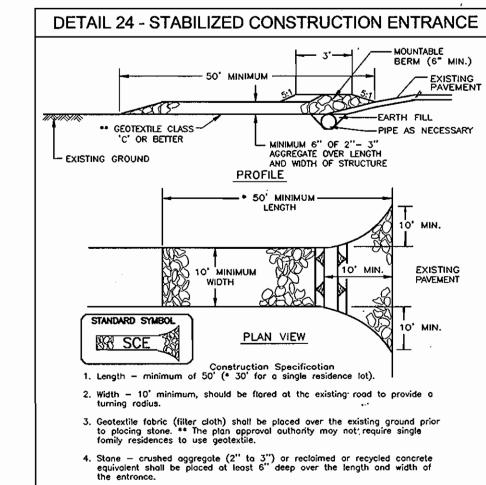


5. When two sections of filter cloth adjain each other, they shall be averlapped 6. Maintenance shall be performed as needed and silt buildupe removed when "bulges develop in the silt fence, or when silt reaches 50% of fence height 7. Filter cloth shall be fastened securely to each fence past with wire ties or

staples at tap and mid section and shall meet the following requirements for Geotextile Class F: Tensile Strength 50 lbs/in (min.) Test: MSMT 509 Tensile Modulus 20 lbs/in (min.) 0.3 gal/ft 1/minute (mox.) Test: MSMT 322 Flow Rate

Filtering Efficiency 75% (min.) MARYLAND DEPARTMENT OF ENVIRONMEN WATER MANAGEMENT ADMINISTRATION

SOIL CONSERVATION SERVICE



5. Surface Water - all surface water flowing to or diverted toward construction entronces shall be piped through the entronce, maintaining positive drainage. Pipe installed through the stabilized construction entronce shall be protected with a mauntable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has 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

6. 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 con-

U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMEN
WATER MANAGEMENT ADMINISTRATION

- 16" MINIMUM HEIGHT O - 8" MINIMUM DEPTH IN 38" MINIMUM FENCE-PERSPECTIVE VIEW EMBED GEOTEXTILE CLASS F ----A MINIMUM OF 8" VERTICALLY \_ TOP VIEW CROSS SECTION STAPLE JOINING TWO ADJACENT SILT FENCE SECTIONS Construction Specifications Fence posts shall be a minimum of 36" long, driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1.00 could be lisent foot. . Geotextile shall be fastened securely to each fence past with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F: 50 lbs/in (min.) Tensile Strength 20 lbs/in (min.) 0.3 got ft /minute (mox.) Tensile Modulus Filtering Efficiency Where ends of geotextile fabric come tagether, they shall be overlapped folded and stopled to prevent sediment bypass.

10' MAXIMUM CENTER TO

**DETAIL 22 - SILT FENCE** 

4. Silt Fence shall be inspected after each rainfall event and maintained when

DETAIL 1 - EARTH DIKE

2:1 SLOPE OR FLATTER

2:1 SLOPE OR FLATTER

– 36" MINIMUM LENGTH FENCE POST, DRIVEN A MINIMUM OF 16" INTO GROUND

GEOTEXTILE CLASS

FENCE POST SECTION

- MINIMUM 20" ABOVE
GROUND

- FENCE POST DRIVEN

STANDARD SYMBOL

------ SF ------

Test: MSMT 509

Test: MSMT 509

PAGE MARYLAND DEPARTMENT OF ENVIRONMENT
E -- 15 -- 3 WATER MANAGEMENT ADMINISTRATION

- EXCAVATE TO PROVIDE

o-DIKE HEIGHT

b-DIKE WIDTH

c-FLOW WIOTH d-FLOW DEPTH

P/GE MARYLAND DEPARTMENT OF ENVIRONMEN

A - 1 - 6 WATER MANAGEMENT ADMINISTRATION

DIKE A

18"

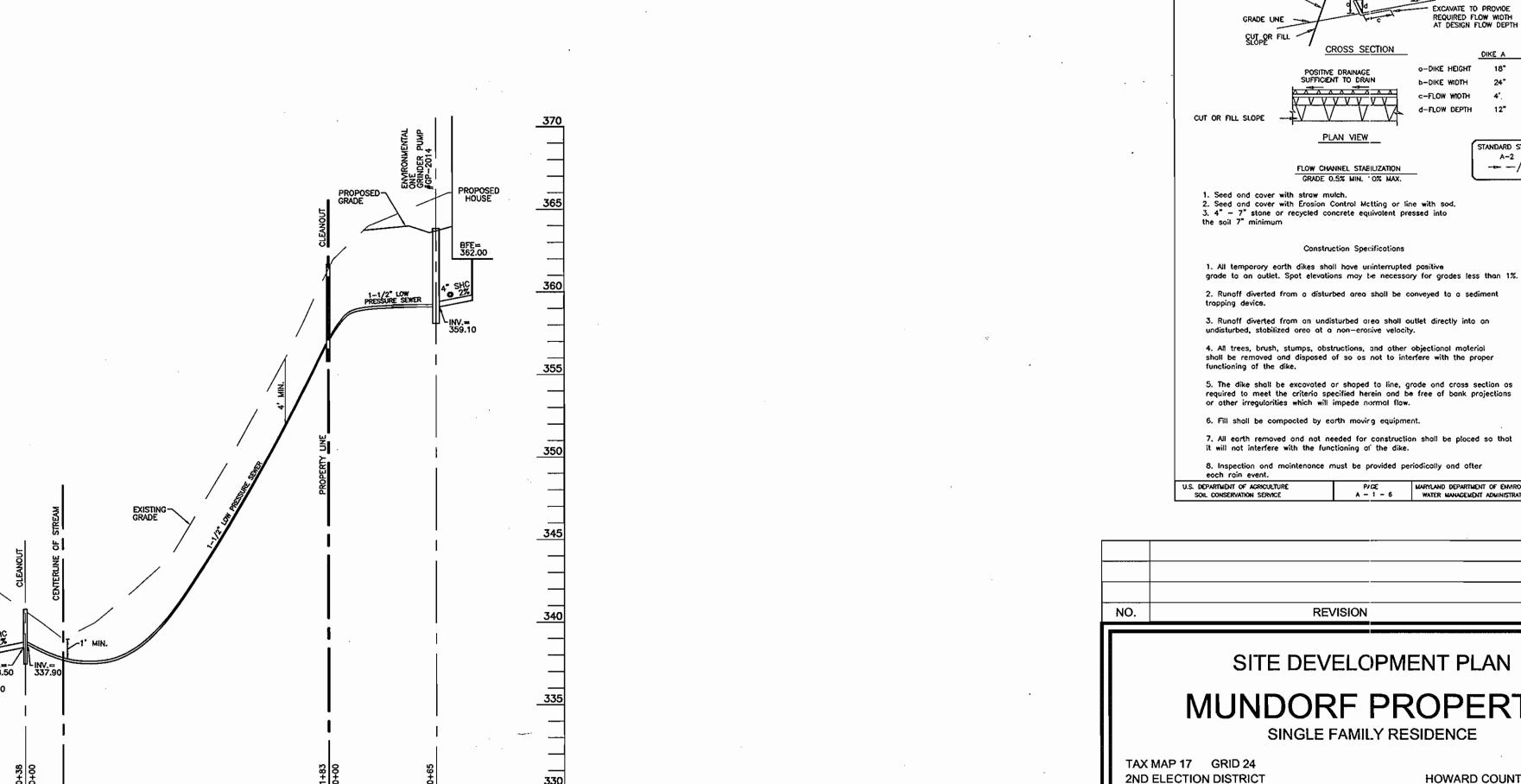
STANDARD SYMBOL

A-2 B-3

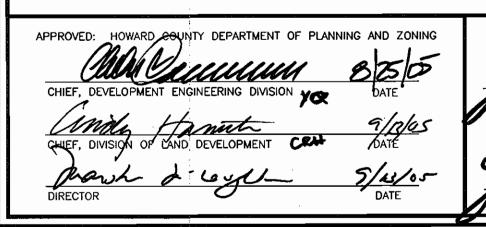
----/-----

DIKE B

UNDISTURBE







REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

ENGINEERS CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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 HOWARD SOIL CONSERVATION DISTRICT

20/2/5 ROBERT H. VOGEL, PE #16193

DEVELOPER'S CERTIFICATE "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL 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 HOWARD SOIL

**SEWER PROFILE** 

SCALE: HORZ .: 1"=50"

VERT.: 1"=5"

CONSERVATION DISTRICT. Matthew & Murch MATTHEW J. MUNDORF

8/16/05 DATE OWNER / DEVELOPER MATTHEW J. MUNDORF

4035 COLLEGE AVENUE ELLICOTT CITY, MD 21043

SHEET

# **GENERAL NOTES** ANY EXCAVATION WORK. 2. THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS MISS UTILITY B.G.&E, CO. UNDERGROUND DAMAGE CONTROL: 410-787-4620 STATE HIGHWAY ADMINISTRATION: TO START OF WORK. THE CONTRACTOR'S EXPENSE. UNINTERRUPTED SERVICE.

1. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO

BEFORE STARTING WORK ON THESE DRAWINGS: BELL ATLANTIC TELEPHONE CO: 410-725-9976 410-313-2366 HOWARD COUNTY BUREAU OF UTILITIES: 410-393-3553 VERIZON CABLE LOCATION DIVISION: 410-850-4620 B.G.&E. CO. CONTRACTOR SERVICES:

3. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR

410-531-5533

4. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT 5. EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS AND AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTORS INFORMATION.

CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN 6. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND

REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT. 7. 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.

8. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:

A) WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE) B) SURFACE -- 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING C) GEOMETRY -- MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE, AND MINIMUM 45 FOOT TURNING

D) STRUCTURES (CULVERTS/BRIDGES) - MUST SUPPORT 25 GROSS TON LOADING (H25 LOADING) E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD EVENTS WITH NO MORE

THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE F) STRUCTURE CLEARANCES - MINIMUM 12 FEET

G) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE

9. THE SUBJECT PROPERTY IS ZONED R-20 PER THE FEBRUARY 2, 2004 COMPREHENSIVE ZONING PLAN. 10. COORDINATES AND ELEVATIONS ARE BASED ON HOWARD COUNTY MONUMENT NO.'S 17FA AND 24C2.

11. THE PROJECT BOUNDRY IS BASED ON A BOUNDARY SURVEY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC., DATED AUGUST 2003.

12. THE TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHICAL SURVEY PERFORMED BY

ROBERT H. VOGEL ENGINEERING, INC., DATED 2003. 13. THE SITE WILL BE SERVED BY PUBLIC SEWER. ACCESS TO PUBLIC SEWER HAS BEEN PROVIDED

UNDER CONTRACT NO. 177-S. THIS SITE WILL BE SERVED BY PRIVATE WATER. 14. NO BURIAL GROUNDS OR CEMETERIES ARE LOCATED ON THIS PROPERTY.

15, NO STREAMS OR WETLANDS EXIST ON SITE.

16. NO 100 YEAR FLOODPLAINS EXISTS ON SITE.

17. FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV,

STANDARD DETAIL R-6.06 (OPEN SECTION). 18. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.12026OF THE HOWARD COUNTY

CODE FORGST CONSIGNATION SINCE THE PROPERTY IS LESS THAN 40,000 SF. 19. STORMWATER MANAGEMENT REQUIREMENTS ARE PROVIDED BY RAINGARDENS.

20. PERIMETER LANDSCAPING SHALL BE IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL SURETY IN THE AMOUNT OF \$3,000 FOR THE 10 SHADE TREES

SHALL BE POSTED WITH THE GRADING PERMIT. 21. THIS SDP IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT

REGULATIONS EFFECTIVE OCTOBER 2, 2003. 22. THIS SITE IS LOCATED IN THE METROPOLITAN DISTRICT

APPROVED: FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS

COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT 5 00 197 DATE

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

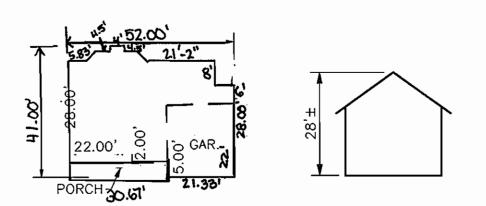
23. STOCKPILING WILL NOT BE ALLOWED ON SITE.

24. THIS PLAN IS SUBJECT TO WP-05-107, APPROVED JULY 7, 2005 TO WAIVE SECTION 16.118(c) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS TO ALLOW GRADING OR CONSTRUCTION WITHIN 10' OF A GRAVE SITE.

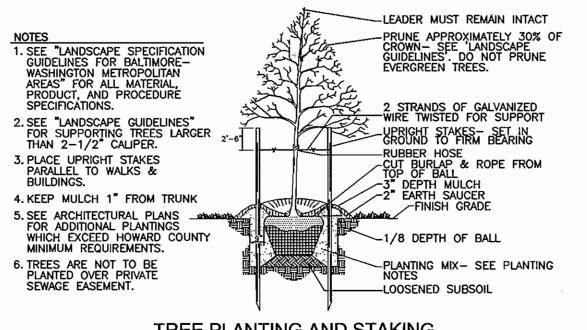
25. THIS PLAN IS SUBJECT TO A DESIGN WAIVER TO DESIGN MANUAL, VOLUME III APPROVED JUNE 14, 2005 TO REDUCE THE WIDTH OF A SINGLE DRIVEWAY FROM 12' TO 10' AND TO REDUCE THE REQUIRED 24' EASEMENT AND 18' EASEMENT TO

SCHEDULE A PERIMETER LANDSCAPE EDGE						
CATEGORY	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES		
LANDSCAPE TYPE	TYPE 'A'	TYPE 'A'	TYPE 'A'	TYPE 'A'		
LINEAR FEET OF PERIMETER	116'A	189' ®	116' ©	189' ①		
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES* 86'	YES*	YES* 49'	NO		
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO		
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	1 0 0	3 0 0	2 0 0	4 0 0		
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	1 0 0 0	3 0 0 0	2 0 0 0	4 0 0 0		

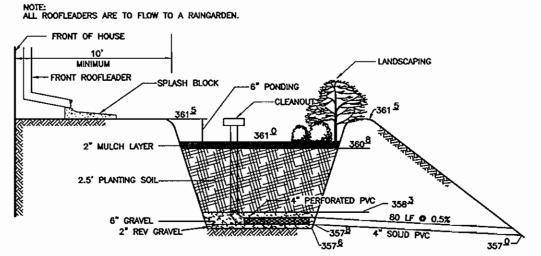
PLANT LIST					
QTY	BOTANICAL NAME/ COMMON NAME	SIZE	ROOT		
10	ACER RUBRUM 'OCTOBER GLORY'/ OCTOBER GLORY RED MAPLE	2-1/2"-3" ÇAL	B & B		



**HOUSE PLAN** SCALE: 1"=30'

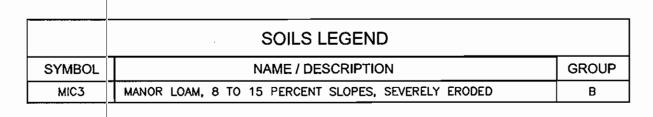


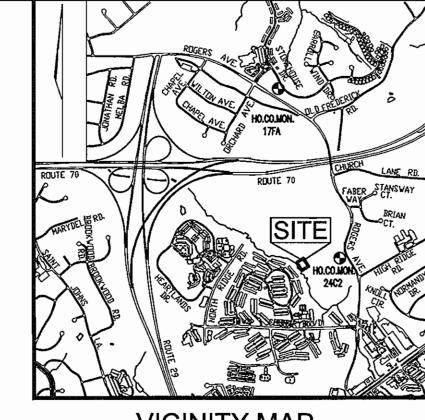
TREE PLANTING AND STAKING DECIDUOUS TREES UP TO 2-1/2" CALIPER NOT TO SCALE



### TYPICAL RAIN GARDEN CROSS SECTION

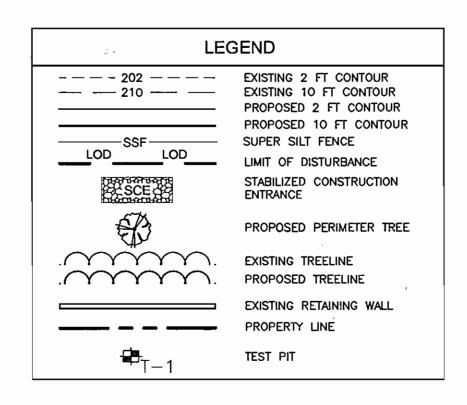
NOT TO SCALE					
	RAINGARDEN PLANT	LIST (8'L x 1.7'W)(2 EAC	H)		
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE		
1	PLATANUS X ACERIFOLIA	LONDON PLANE TREE	2 1/2"-3" Cal.		
1	ILEX GLABRA	INK BERRY	2 '-3' HT.		
6	LOBELEA CARDINALIS	CARDINAL FLOWER LOBELIA	1 GAL. CONTAINER		
4	DRYOPTERIS SP.	WOOD FERN	1 GAL. CONTAINER		
3	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	1 GAL. CONTAINER		





**VICINITY MAP** 

BENCHMARKS						
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION		
17FA	534,199	852,209	470.18	CONCRETE MONUMENT		
24C2	527,899	853,620	354.76	CONCRETE MONUMENT		



SITE ANALYSIS DATA CHART					
TOTAL AREA OF PLAN PROJECT AREA SUBMISSION 21,801 SF (0.50 AC) 24,518 SF (0.56 AC)			LIMIT DISTURBE 24,518	D AREA	PRESENT ZONING R-20
PROPOSED USE RESIDENTIAL	TYPE OF UNIT SINGLE FAMILY DETACHED				TOTAL UNITS PROPOSED 1
OPEN SPACE REQUIRED N/A			EQUIRED   SPACE P		EATION OPEN E PROVIDED N/A
DPZ FILE REF.: WP05107			DEED RE	F.: 62	06 / 100

PERMIT INFORMATION CHART						
SUBDIVISION NAME WEST JONESTOWN			SECTION/AREA N/A		PARCEL NUMBER 618	
LIBER / FOLIO 6206/100	TAX MAP 17	GRID NO. 24	ZONE R-20	ELECT. E		CENSUS TR. 6026,00
WATER CODE: NA			SEWER (	CODE:	1454	000

ADDRESS CHART				
LOT#	STREET ADDRESS			
1	2938 ROGERS AVENUE			

2	REVISE HOUSE LOCATION AND GRADING TO REPRESENT AS-BUILT	11.28.07
l	REVISE HOUSE MODEL	11.9.06
10.	REVISION	DATE

## SITE DEVELOPMENT PLAN

## MUNDORF PROPERTY

SINGLE FAMILY RESIDENCE

TAX MAP 17 GRID 24 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND



Engineering, Inc. ENGINEERS • SURVEYORS • PLANNERS 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



OWNER / DEVELOPER

MATTHEW J. MUNDORF

4035 COLLEGE AVENUE

ELLICOTT CITY, MD 21043

DESIGN BY:	LJ
DRAWN BY:	LJ
CHECKED BY	Y: RH
DATE:	AUGUST, 200
SCALE:	1"=50
W.O. NO.:	05-18.0

SHEET 2

PARCEL 618

14' AND 10' RESPECTIVELY.	
The state of particles of the state of the s	
L 2931 F 598  HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS ZONED R-20  JANNA M. MOORE ZONED R-20  ZONED R-20	-
PLAN SCALE: 17-50'	1
SCALE: 1"=50'	

ENGINEERS CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION

REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT

BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS

CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN

AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE

DEVELOPER'S CERTIFICATE

DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL,

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 HOWARD SOIL

CONSERVATION DISTRICT.

AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE

LANDSCAPE CERTIFICATE

I/WE FURTHER CERTIFY THAT UPON COMPLETION. A LETTER OF

DEPARTMENT OF PLANNING AND ZONING.

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN

WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE

LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1)
YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE

HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL.