

SCHEDULE A PERIMETER LANDSCAPE EDGE

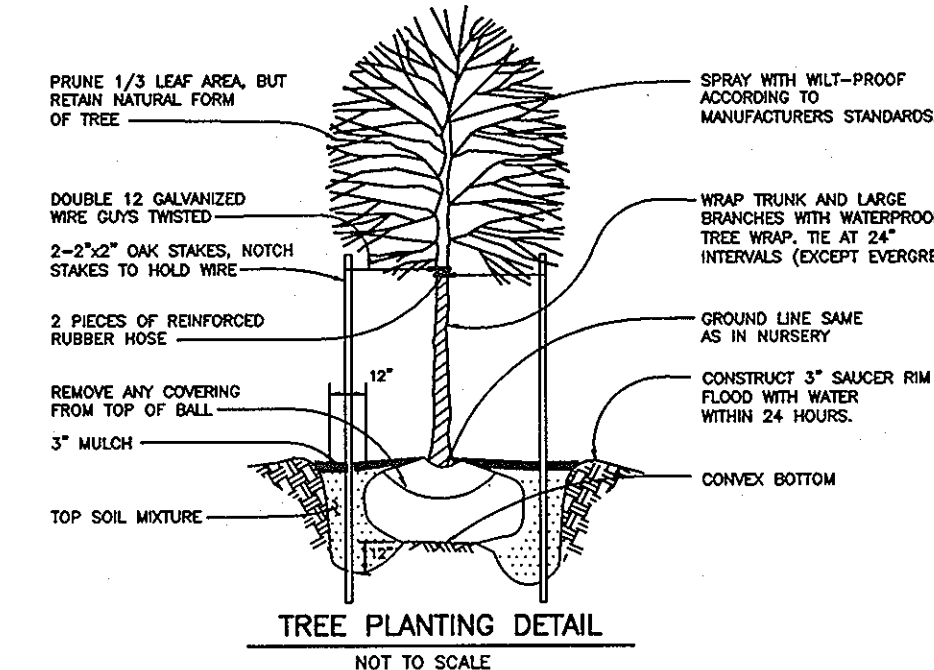
CATEGORY	ADJACENT TO ROADWAY	NO
ADJACENT TO PERIMETER PROPERTIES	YES	
PERIMETER NO. / LANDSCAPE TYPE	① A	
LINEAR FEET OF (FRONTAGE/PERIMETER)		214'
CREDIT FOR EXISTING VEGETATION: NO OR YES (4' NEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	
CREDIT FOR WALL, FENCE OR BERM: NO OR YES (4' NEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	
NUMBER OF PLANTS REQUIRED: SHADE TREES		4
EVERGREEN TREES		4
OTHER TREES (2:1 SUBSTITUTED) SHRUBS		4
NUMBER OF PLANTS PROVIDED: SHADE TREES		4
EVERGREEN TREES		4
OTHER TREES (2:1 SUBSTITUTED) SHRUBS (10:1 SUBSTITUTED)		4
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)		

PERIMETER LANDSCAPE PLANTING LIST

SYMBOL	QUANTITY	NAME	REMARKS
	4	ACER RUBRUM "OCTOBER GLO" RED MAPLE	2 1/2"-3" CAL.

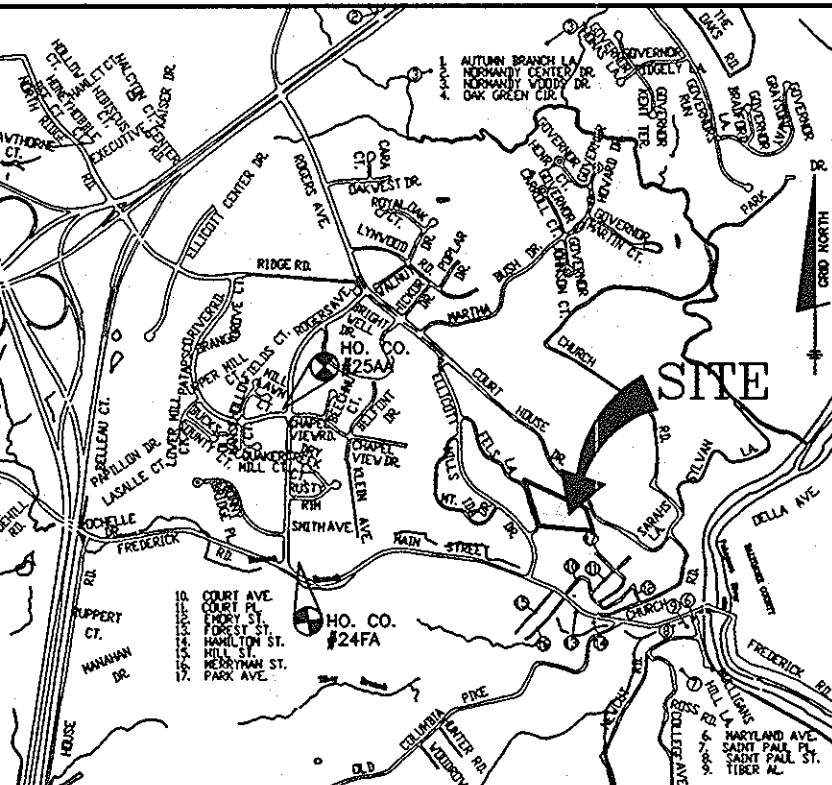
AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT AND MUST BE A MINIMUM OF THREE(3) FEET FROM ANY STORM DRAIN. PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING, ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN RELEASE OF LANDSCAPE SURVEY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.

- LANDSCAPING NOTES**
- PERIMETER LANDSCAPING SHALL BE PROVIDED BY THE PLANTINGS AS SHOWN ON THESE PLANS.
 - TREES MUST BE A MINIMUM OF FOUR(4) FEET FROM THE CURB OR SIDEWALK AND MUST BE A MINIMUM OF THREE(3) FEET FROM ANY STORM DRAIN.
 - A MINIMUM DISTANCE OF TWENTY(20) FEET MUST BE MAINTAINED BETWEEN ANY TREES LOCATED ALONG THE CURB LINE AND FROM ANY STREET LIGHTS.
 - TREE MUST BE PLANTED A MINIMUM OF TEN(10) FEET FROM A DRIVEWAY.
 - PERIMETER LANDSCAPING PLANTINGS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL, SHALL BE PROVIDED AS SHOWN ON THIS APPROVED LANDSCAPE PLAN. LANDSCAPE SURVEY IN THE AMOUNT OF \$12,000.00 FOR 4 SHADE TREES SHALL BE POSTED WITH THE OPW DEVELOPER'S AGREEMENT EXECUTED AT THE SITE DEVELOPMENT PLAN STAGE.



BENCH MARKS (NAD'83)

NO.	DESCRIPTION	ELEV.
HO. CO. No. 24FA	STAMPED BRASS DISK SET ON TOP OF CONCRETE (3" DEEP) COLUMN, RODGERS AVE. NORTH OF CORNER WITH MAIN ST.	262.884
N 583751.414		E 1,366091
HO. CO. No. 25AA	STAMPED BRASS DISK SET ON TOP OF CONCRETE (3" DEEP) COLUMN, CORNER OF RODGERS AVE. AND PATAPSCO RIVER RD.	307.710
N 585307.192		E 1,366070.97



SOILS LEGEND

MAP SYMBOL	SOIL GROUP	SOIL TYPE
Ba	B	BALE SILT LOAM
Bc2	A	BRANDYWINE LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
Bc2	A	BRANDYWINE LOAM, 8 TO 15 PERCENT SLOPES MODERATELY ERODED
Bf	A	BRANDYWINE LOAM, 25 TO 50 PERCENT SLOPES

* INDICATES HYDRIC SOILS
TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 33

LEGEND

- EXISTING CONTOURS
- EXISTING STEEP SLOPE 25% OR GREATER
- EXISTING CL. STREAM
- TEST PIT LOCATION
- SOILS DELINEATION
- SOILS TYPE
- EXISTING TREELINE
- PROPOSED TREELINE
- FOREST CONSERVATION EASEMENT
- FOREST CONSERVATION SIGNAGE

SITE DATA TABULATION

- GENERAL SITE DATA
 - PRESENT ZONING: HO
 - APPLICABLE DPZ FILE REFERENCES: SDP-02-035, F-04-139
 - DEED REFERENCES: L. 8646 F. 437 WP-09-065 L. 6283 F. 70
 - PROPOSED USE OF SITE: RESIDENTIAL/SFD HOMES
 - PROPOSED WATER AND SEWER SYSTEMS: PUBLIC
- AREA TABULATION
 - TOTAL AREA OF SITE: 5.76± AC.
 - AREA OF 100 YEAR FLOODPLAIN: 0.00± AC.
 - AREA OF STEEP SLOPES ON SITE (25% OR GREATER): 3.20± AC.
 - NET AREA OF SITE: 2.56± AC.
 - AREA OF THIS PLAN SUBMISSION: 5.76± AC.
 - AREA OF PROPOSED BUILDABLE LOTS: 3.70± AC.
 - AREA OF PROPOSED OPEN SPACE LOTS: 1.77± AC.
 - AREA OF PROPOSED PUBLIC ROAD R/W: 0.29± AC.
- LOT TABULATION
 - TOTAL NUMBER OF DWELLING UNITS ALLOWED: 38 (15 DU PER NET ACRE (2.56 AC x 15))
 - TOTAL NUMBER OF DWELLING UNITS EXISTING: 1
 - TOTAL NUMBER OF DWELLING UNITS PROPOSED: 4
 - TOTAL NUMBER OF RESIDENTIAL LOTS PROPOSED: 4
 - MINIMUM LOT SIZE ALLOWED: 6000 S.F.
- OPEN SPACE LOT TABULATION
 - TOTAL NUMBER OF OPEN SPACE LOTS REQUIRED: 0
 - TOTAL NUMBER OF OPEN SPACE LOTS PROPOSED: 1

WILDMAN ENVIRONMENTAL SERVICES
4747 BONNIE BRANCH RD.
ELLCOTT CITY, MD. 21043
PHONE: 410-869-9989
FAX: 410-869-9901

DEVELOPER'S/BUILDER'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 OF 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.

Ron Wildman 4/24/09
RON WILDMAN DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Cindy Harmon 5/1/09
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Michael Harmon 5-1-9
CHIEF, DEVELOPMENT ENGINEERING DIVISION HSP DATE

NO.	DATE	REVISION

BENCHMARK ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE # SUITE 418
ELLCOTT CITY, MARYLAND 21043
phone: 410-465-6105 fax: 410-465-6644
www.bai-civilengineering.com

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 36599, Expiration Date: 7-23-2009.

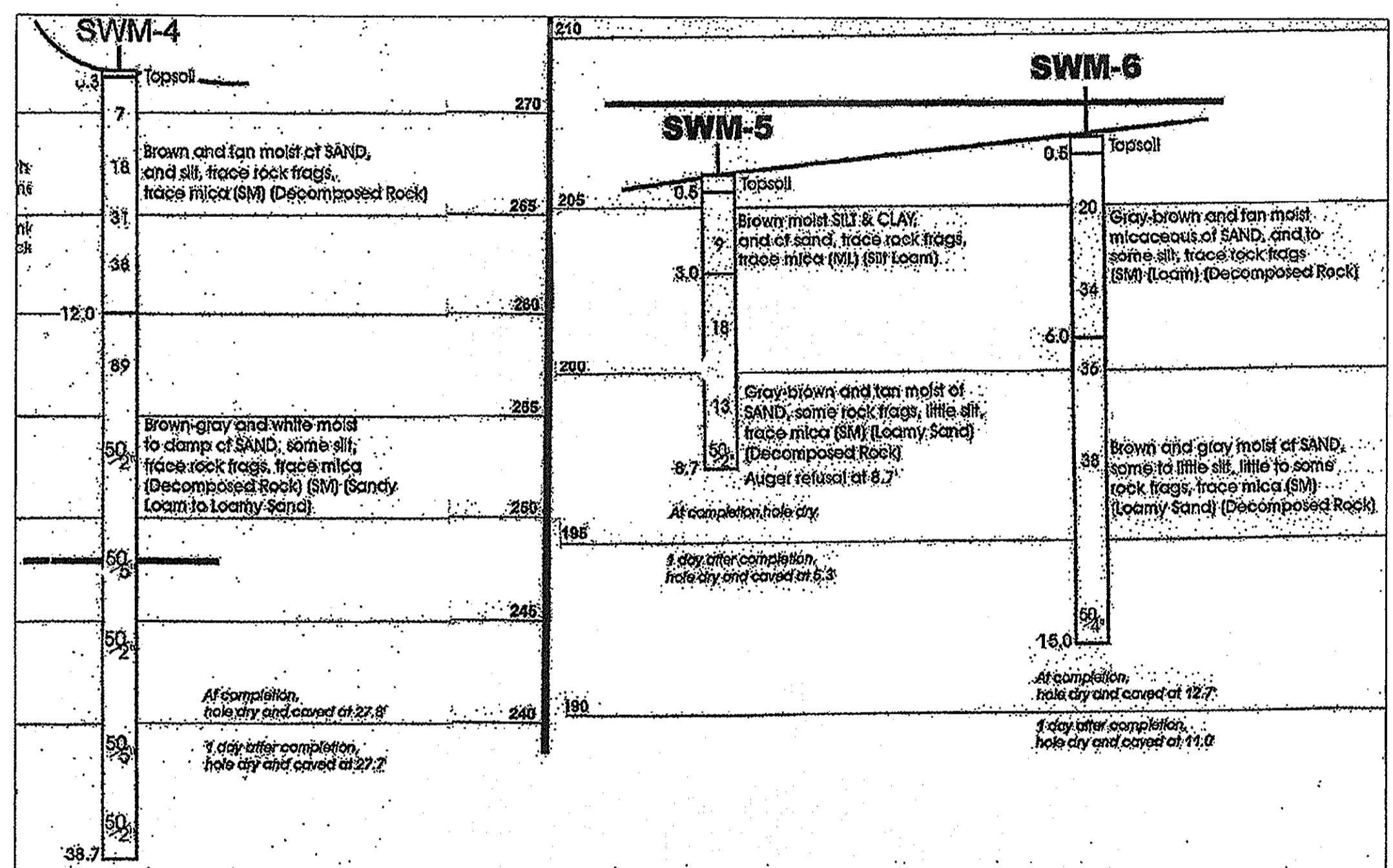
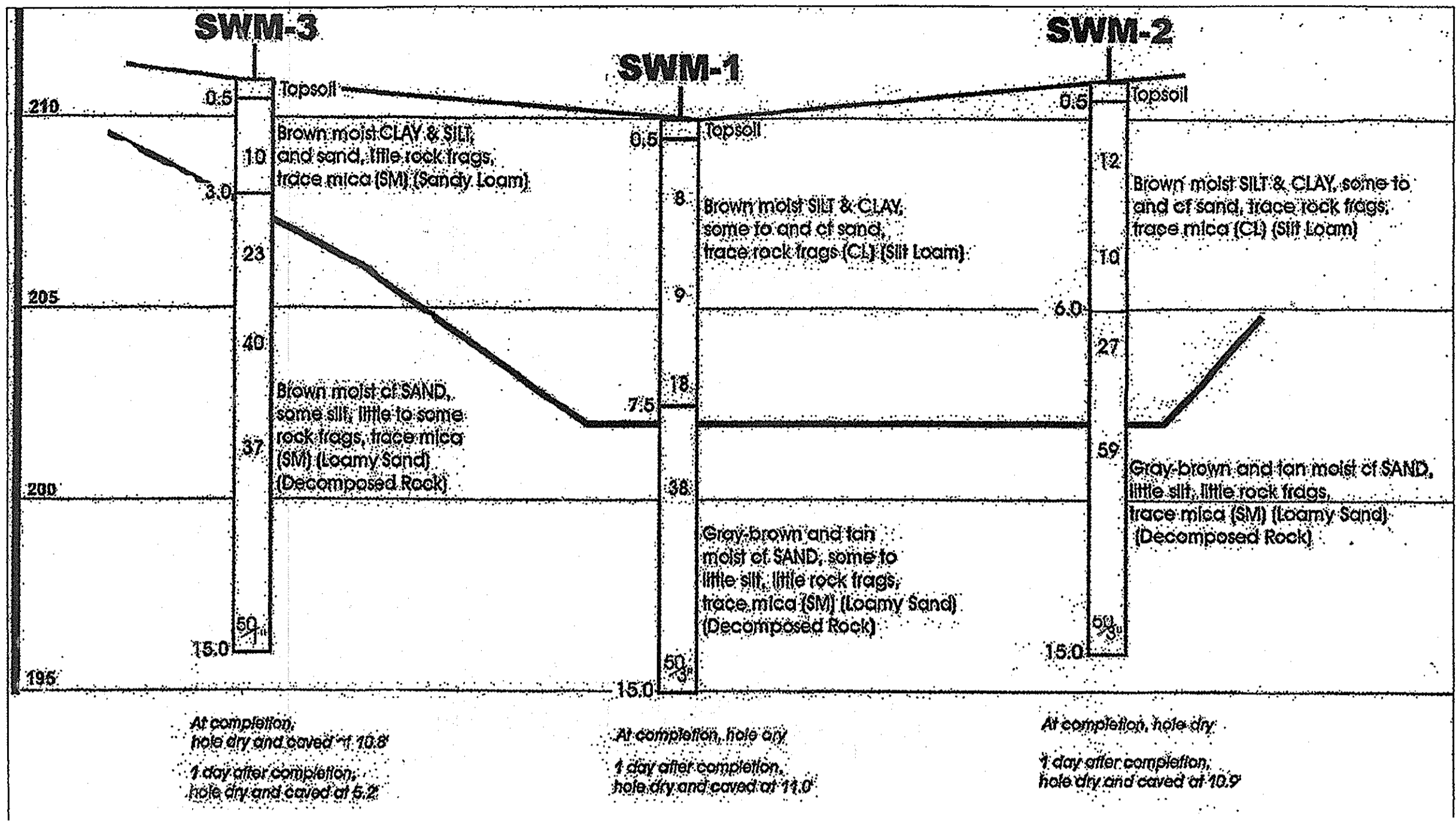
OWNER/DEVELOPER:
RON WILDMAN
GRANITE MANOR LLC
4747 BONNIE BRANCH ROAD
ELLCOTT CITY, MARYLAND 21043
410-869-9999

GRANITE MANOR LOTS 1 thru 4

TAX MAP: 25 GRID: 7
PARCEL: 83 ZONED: HO
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

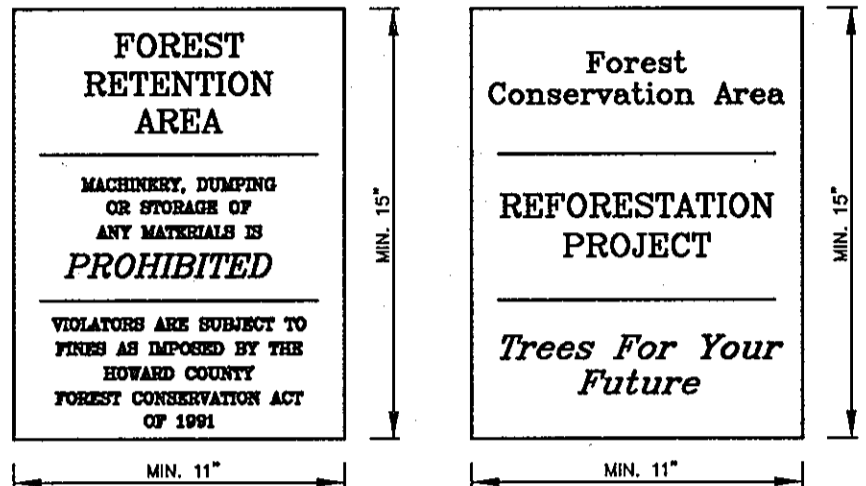
SUPPLEMENTAL STORMWATER MANAGEMENT, LANDSCAPE AND FOREST CONSERVATION PLAN

DATE: APRIL, 2009 PROJECT NO. 2083
SCALE: AS SHOWN SHEET 1 OF 2
DES: DAM/DBT DRAFT: EDD/DBT CHECK: BFC

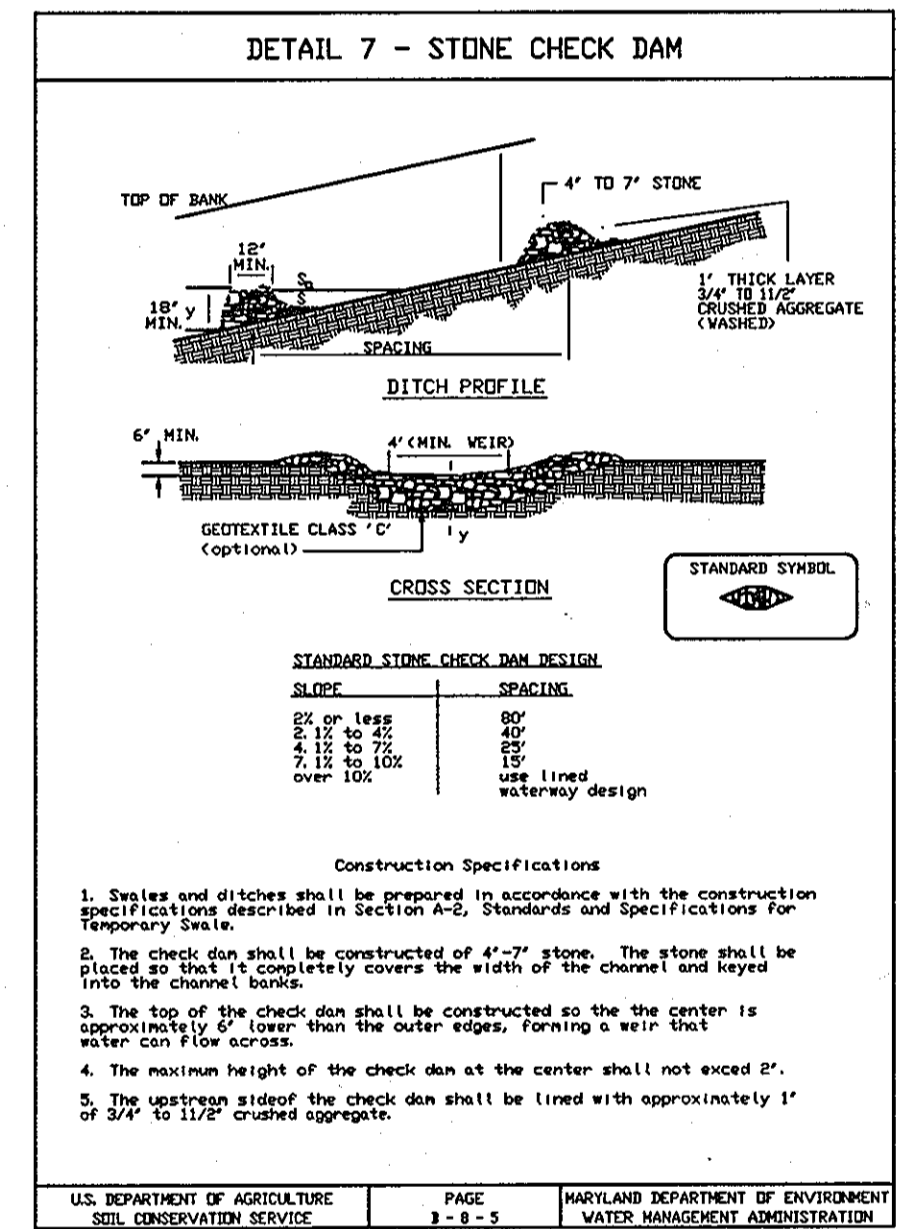


FOREST CONSERVATION NOTES:

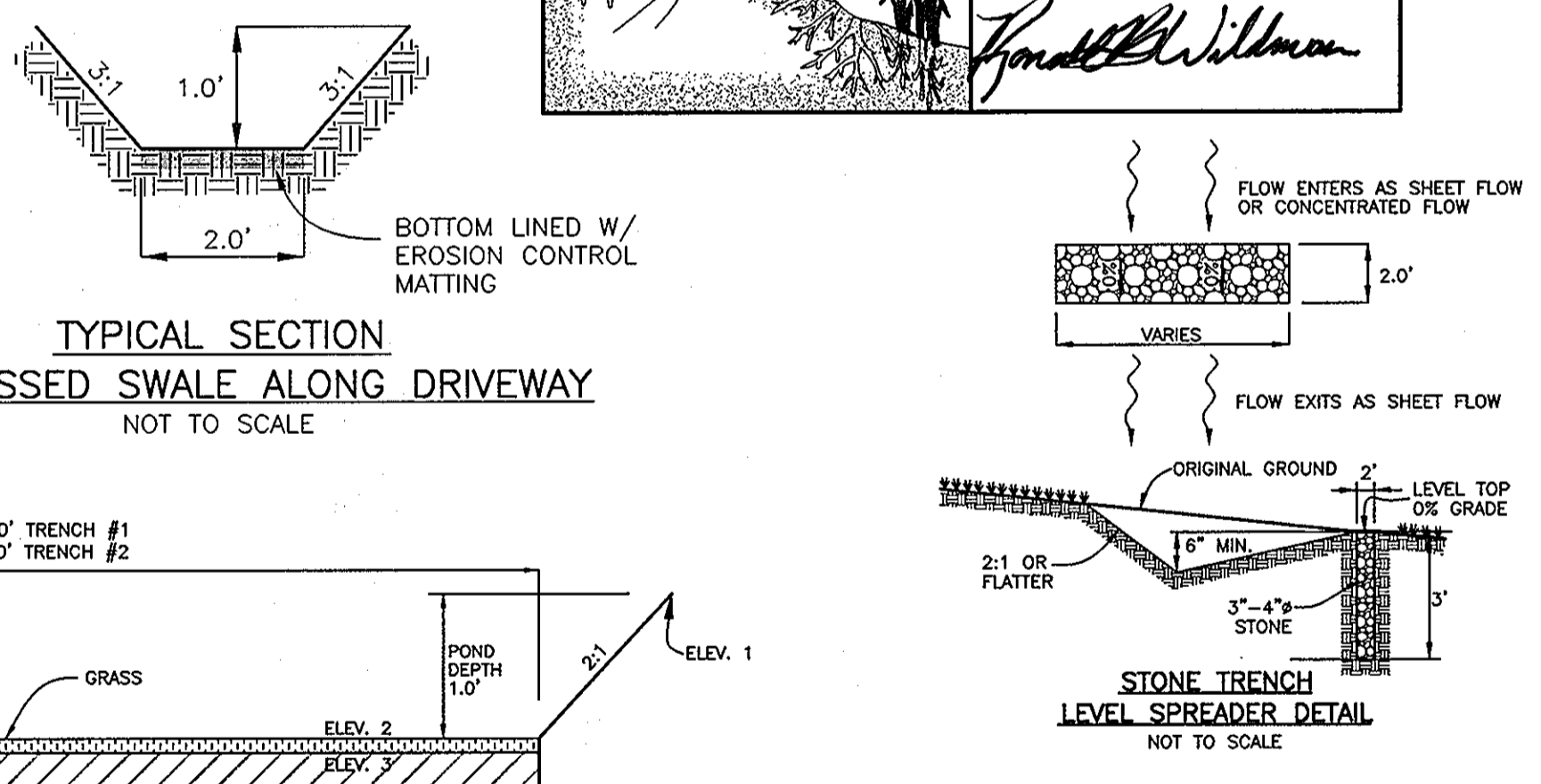
1. ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS WHICH MAY BE FOUND IN THE LAND RECORDS OF HOWARD COUNTY WHICH RESTRICT THE DISTURBANCE AND USE OF THESE AREAS.
2. THE FOREST CONSERVATION EASEMENTS HAVE BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE, FOREST CONSERVATION ACT, NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENTS; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.
3. LIMITS OF DISTURBANCE SHALL BE RESTRICTED TO AREAS OUTSIDE THE LIMIT OF TEMPORARY FENCING OR THE FCE BOUNDARY, WHICHEVER IS GREATER.
4. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, EXCEPT AS PERMITTED BY HOWARD COUNTY DPZ.
5. NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC. SHALL OCCUR WITHIN AREAS DESIGNATED AS FOREST CONSERVATION EASEMENTS.
6. TEMPORARY FENCING SHALL BE USED TO PROTECT FOREST RESOURCES DURING CONSTRUCTION. THE FENCING SHALL BE PLACED ALONG ALL FCE RETENTION BOUNDARIES WHICH OCCUR WITHIN 15 FEET OF THE PROPOSED LIMITS OF DISTURBANCE.
7. PERMANENT SIGNAGE SHALL BE PLACED 50-100' APART ALONG THE BOUNDARIES OF ALL AREAS INCLUDED IN FOREST CONSERVATION EASEMENTS.
8. THE FOREST CONSERVATION WATERSHED FOR THIS PROJECT IS THE LITTLE PATUXENT RIVER (UPPER) #2131105A.
9. THE PROTECTIVE SIGNAGE SHALL STAY ON-SITE IN PERPETUITY.



SIGNAGE



TYPICAL SECTION OF GRASSED SWALE ALONG DRIVEWAY



GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
2. COORDINATES BASED ON NAD83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO.264 AND NO.264B.
3. SUBJECT PROPERTY ZONED HO PER THE 2-2-04 COMPREHENSIVE ZONING PLAN AND "COMP LITE" ZONING AMENDMENTS EFFECTIVE 7-28-06.
4. TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM A FIELD-RUN SURVEY PERFORMED BY VOGEL AND ASSOCIATES, INC. IN FEBRUARY, 2004.
5. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO BURIAL GROUNDS OR CEMETERIES LOCATED ON THIS SITE.
6. THIS PROJECT IS LOCATED WITHIN THE METROPOLITAN DISTRICT. WATERSHED IS THE PATAPUSCO.
7. THERE IS AN EXISTING DWELLING LOCATED ON LOT 4 TO REMAIN. NO NEW BUILDINGS, EXTENSIONS OR ADDITIONS TO THE EXISTING DWELLING ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATIONS ALLOW.
8. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
9. BOUNDARY IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED ON JANUARY 24, 2008 BY BENCHMARK ENGINEERING INC.
10. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
11. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING OR NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIMITS OF THE WETLANDS, STREAM(S) OR THEIR REQUIRED BUFFERS.
12. DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - A) WIDTH - 12' (16' SERVING MORE THAN ONE RESIDENCE).
 - B) SURFACE - 6" OF COMPACT CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2" MIN.).
 - C) GEOMETRY - MAX. 15% GRADE, MAX. 10% GRADE CHANGE & MIN. 45' TURNING RADIUS.
 - D) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H2O LOAD).
 - E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY.
 - F) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
13. FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY AND NOT INTO THE FLAG OR PIPESTEM LOT DRIVEWAY.
14. WATER AND SEWER SERVICE TO THESE LOTS WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 16.122 B OF THE HOWARD COUNTY CODE. PUBLIC WATER AND PUBLIC SEWER ALLOCATION WILL BE GRANTED AT THE TIME OF THE ISSUANCE OF THE BUILDING PERMIT IF AVAILABLE. AT THAT TIME.
15. LANDSCAPING FOR LOTS 1-3 IS PROVIDED IN ACCORDANCE WITH AN APPROVED LANDSCAPE PLAN ON FILE WITH THIS PLAN IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY IN THE AMOUNT OF \$1,200.00 FOR 4 SHADE TREES SHALL BE POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT AT THE SITE DEVELOPMENT PLAN STAGE. LOT 4 EXEMPT FROM THE LANDSCAPE REQUIREMENTS PER SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL BECAUSE THE LOT CONTAINS AN EXISTING DWELLING.
16. THE WETLANDS DELINEATION FOR THIS PROJECT WAS PREPARED BY WILDMAN ENVIRONMENTAL.
17. THERE IS NO 100-YEAR FLOODPLAIN ON THIS SITE.
18. STORMWATER MANAGEMENT QUALITY CONTROL SHALL BE PROVIDED VIA SHEETFLOW TO BUFFER CREDITS AND BY RAIN GARDENS.
19. FOREST STAND DELINEATION WAS PREPARED BY RON WILDMAN IN MARCH, 2004.
20. THIS PROPERTY IS LOCATED WITHIN THE BOUNDARIES OF THE ELLICOTT CITY HISTORIC DISTRICT AND IS LISTED IN THE HOWARD COUNTY HISTORIC SITES INVENTORY AS HO-581, THE FORTHE/HEINE HOUSE. THE PLAN WAS REVIEWED BY THE HISTORIC DISTRICT COMMISSION ON JUNE 5, 2008.
21. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
22. THIS PLAN IS SUBJECT TO THE AMENDED 5th EDITION OF THE HOWARD COUNTY SUBDIVISION REGULATIONS AND THE AMENDED HOWARD COUNTY ZONING REGULATIONS, COUNCIL BILL 16-2007.
23. A SITE DEVELOPMENT PLAN IS REQUIRED FOR THE DEVELOPMENT OF LOTS 1, 2 AND 3 PRIOR TO ISSUANCE OF ANY GRADING OR BUILDING PERMITS IN ACCORDANCE WITH SECTION 16.155(A)(2)(I) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
24. GEOTECHNICAL REPORT PREPARED BY HILLIS-CARNE ENGINEERING ASSOCIATES, INC. DATED FEBRUARY, 2006.
25. WP-09-065, A REQUEST TO WAIVE SECTION 16.120(C)(2) OF THE HOWARD COUNTY CODE WAS APPROVED ON DECEMBER 15, 2008 SUBJECT TO THE FOLLOWING CONDITIONS:
 1. PETITIONER SHALL ENSURE THAT THE DRIVEWAY PROVIDING VEHICULAR ACCESS FROM FELS LANE TO GRANITE MANOR, LOTS 1-4 IS DESIGNED TO ALLOW USE BY EMERGENCY VEHICLES.
 2. PETITIONER SHALL DESIGN THE DRIVEWAY PROVIDING VEHICULAR ACCESS FROM FELS LANE TO GRANITE MANOR, LOTS 1-4 SO THAT THE CENTERLINE OF THE USE-IN-COMMON DRIVEWAY FOR GRANITE MANOR, LOTS 1-4 INTERSECTS THE CENTERLINE OF THE PARKING ACCESS TO ELLICOTT CITY PARKING LOT 'F' AT A PERPENDICULAR.
 3. THE TOTAL FOREST CONSERVATION OBLIGATION AMOUNT OF 1.77 ACRES SHALL BE MET BY THE RETENTION OF 1.74 ACRES OF NET TRACT AREA FOREST WITHIN THE LIMITS OF A FOREST CONSERVATION EASEMENT AND BY THE REFORESTATION OF 0.03 ACRES OF FOREST WITHIN THE LIMITS OF A FOREST CONSERVATION EASEMENT.
 4. FINANCIAL SURETY SHALL BE POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$15,812.28 (\$15,158.88 FOR 75,794.40 S.F. (1.74 AC.) OF RETENTION AND \$653.40 FOR 1,306.8 S.F. (0.03 AC.) OF REFORESTATION).
 5. A PRIVATE RANGE OF ADDRESS SIGN SHALL BE FABRICATED AND INSTALLED BY HOWARD COUNTY BUREAU OF HIGHWAYS AT THE DEVELOPERS/OWNERS EXPENSE. CONTACT HOWARD COUNTY TRAFFIC DIVISION AT 410-313-5752 FOR DETAILS AND COST ESTIMATES.

OPERATION & MAINTENANCE SCHEDULE FOR RAIN GARDENS

1. ANNUAL MAINTENANCE OF PLANT MATERIAL AND MULCH LAYER IS REQUIRED. MAINTENANCE OF MULCH IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH-OUT. ANY REPLACEMENT OF MULCH SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE & INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL & PRUNING.
2. SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN THE SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD & DISEASED VEGETATION CONSIDERING TREATMENT, TREATMENT OF ALL DISEASED TREES & SHRUBS, AND REPLACEMENT OF ALL DEFICIENT STAKES & WIRES.
3. MULCH SHALL BE INSPECTED EACH SPRING. REMOVE THE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER EVERY 2 TO 3 YEARS.
4. SOIL EROSION TO BE ADDRESSED ON AN AS-NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.

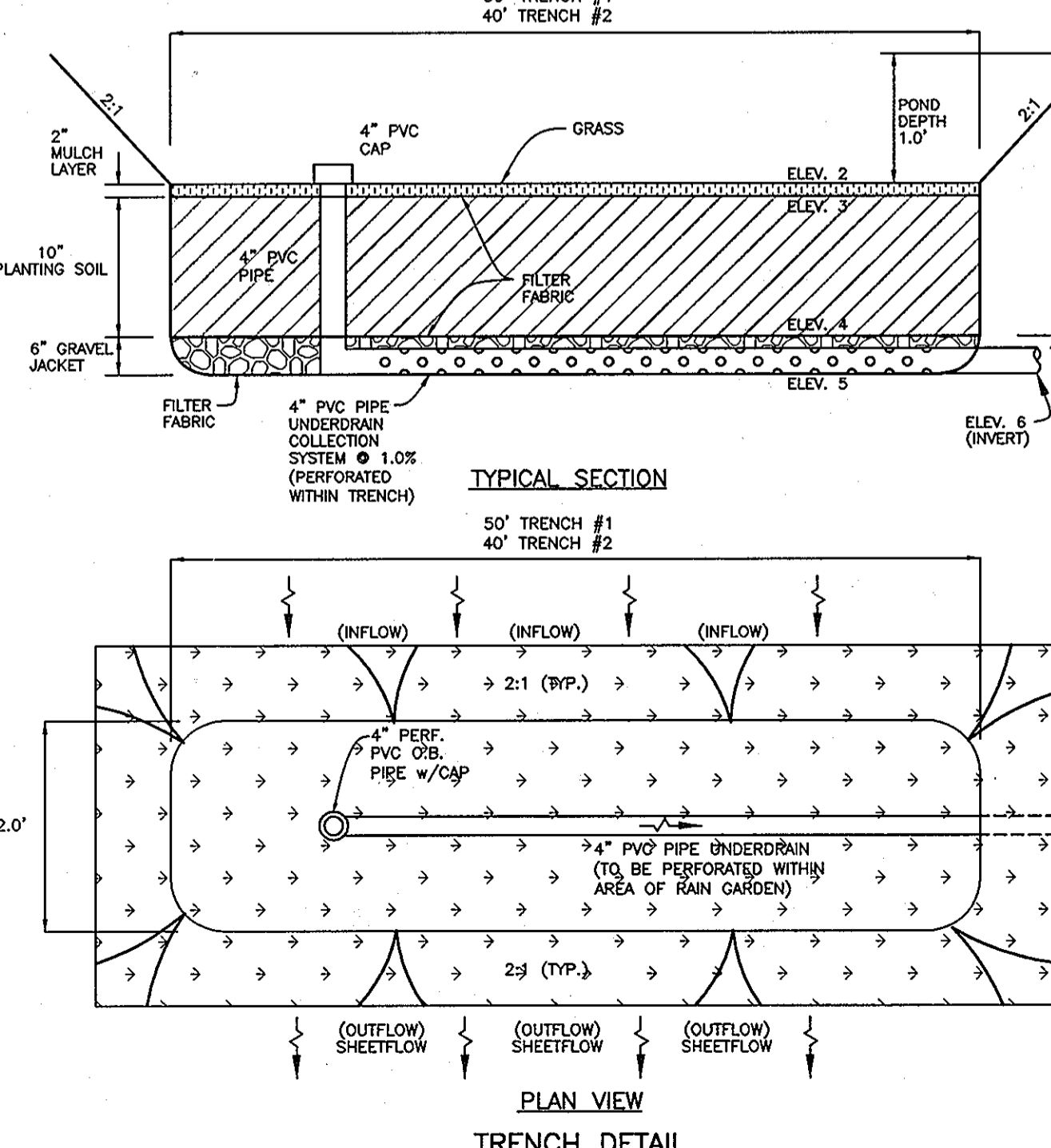
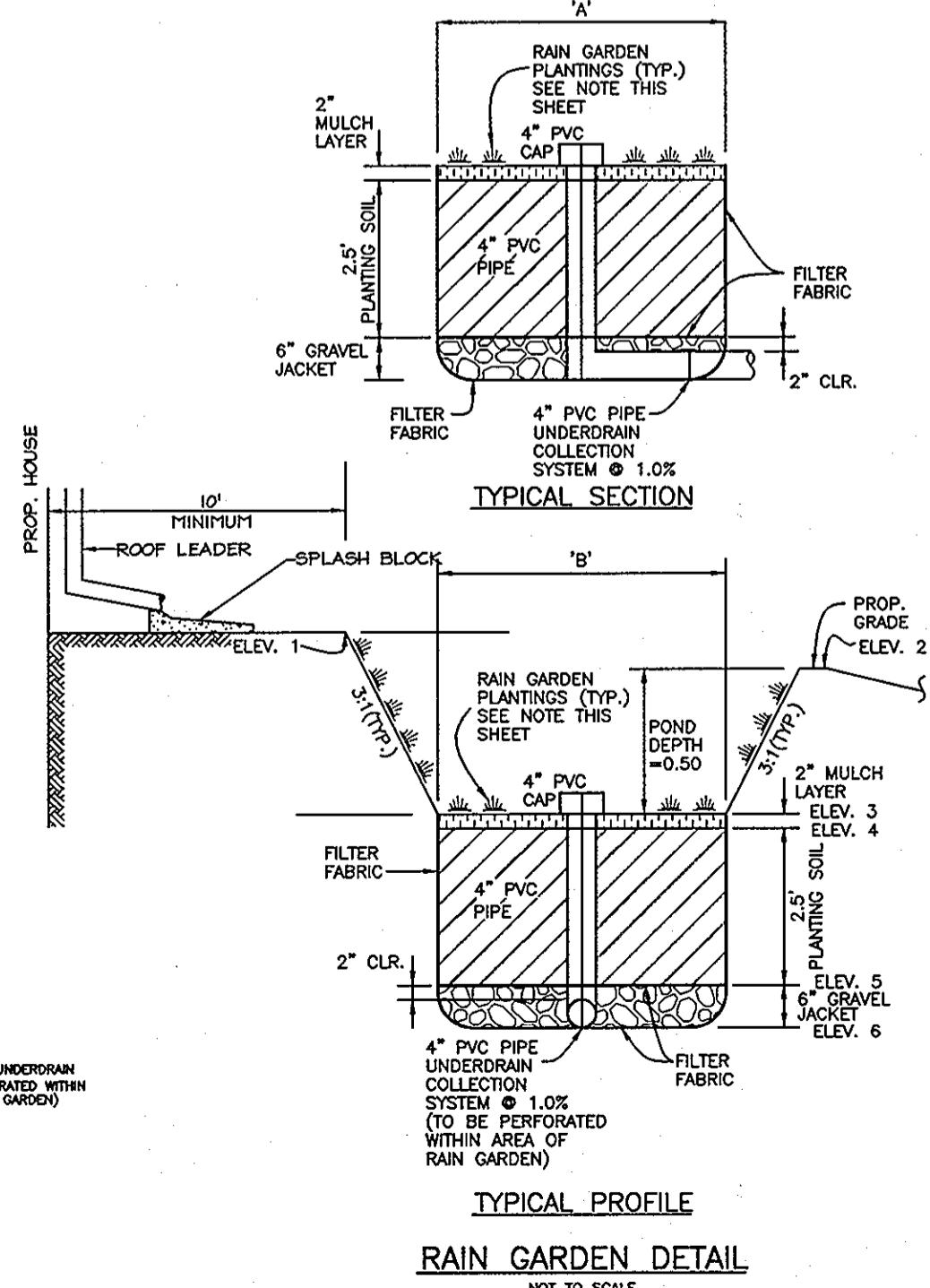
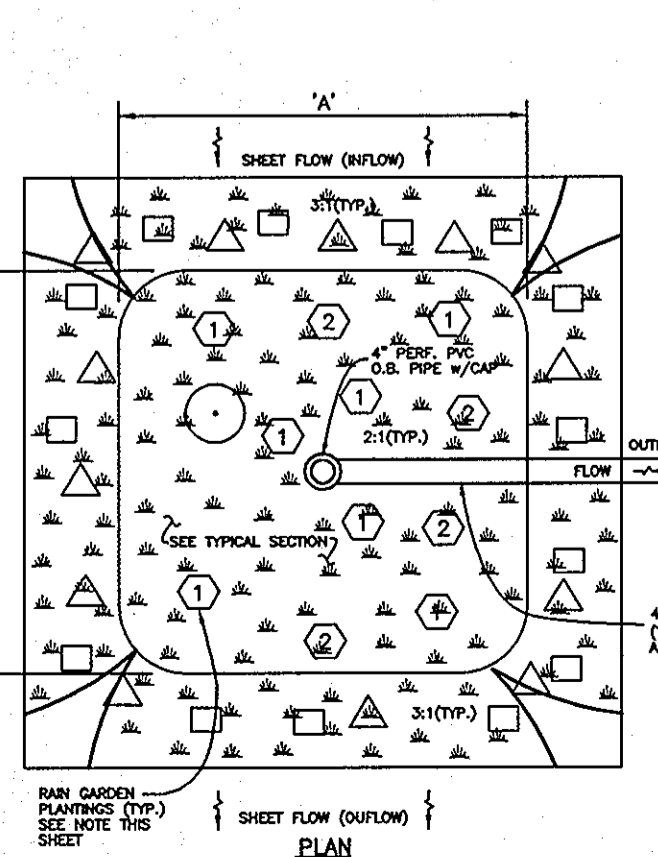
RAIN GARDEN - PLANTING DATA

1. PLANTINGS WITHIN THE PONDING AREA OF THE RAIN GARDEN ARE TO BE OF A MEDIUM TO HIGH WATER TOLERANCE. SUGGESTED SPECIES: CREEPING BUGLEWEED (AJUDA REPTANS), COMMON PERNNWILE (VINCA MINOR), LILY-TURF (LIRIOPE SP.).
2. PLANTINGS ALONG THE PERIMETER (BERM) AREA OF THE RAIN GARDEN ARE TO BE OF LOW TO MEDIUM WATER TOLERANCE. SUGGESTED SPECIES: IRIS (IRIS VESPAICOLOR), DANGLY (HEMEROCALLIS SP.), WHITE GLOVE (ASTILE SP.).
3. ARBO PLANTINGS WITH EXCESSIVE ROOT MASS IN POND AREA OF THE RAIN GARDEN NEAR PIPE AND UNDERDRAIN.

MATERIALS AND SPECIFICATIONS FOR RAIN GARDEN

MATERIAL	SPECIFICATION	SIZE	NOTES:
PLANTINGS	SEE APPENDIX A: TABLE A.4	N/A	PLANTINGS ARE SITE SPECIFIC
PLANTING SOIL	USDA: 30-60% SAND, 30-40% SILT, 0-20% CLAY	N/A	USDA SOIL TYPES: LOAMY SAND, SANDY LOAM OR LOAM
MULCH	SHREDED HARDWOOD	N/A	AGED 6 MONTHS, MINIMUM
GEOTEXTILE (CLASS 'C')	APPARENT OPENING SIZE: (ASTM D-4753) 0.075" (3/4")	N/A	FOR USE AS NECESSARY BENEATH UNDERDRAINS ONLY
UNDERDRAIN GRAVEL	ASTM D-4753	0.375" TO 0.750"	
UNDERDRAIN PIPING	F758, TYPE PS28 OR ASTM D-278	4" TO 6" RIGID GRAVEL OVER PIPES, NOT NECESSARY UNDERNEATH PIPES	3/8" PERFORATED OR 1/2" HOLES PER ROW, MINIMUM OF 3" DEPTH

RAIN GARDEN #1		RAIN GARDEN #2	
ELEV. 1	212.0	ELEV. 1	211.0
ELEV. 2	212.0	ELEV. 2	211.0
ELEV. 3	211.5	ELEV. 3	210.5
ELEV. 4	211.3	ELEV. 4	210.3
ELEV. 5	208.8	ELEV. 5	207.8
ELEV. 6	208.3	ELEV. 6	207.3



	TRENCH #1	TRENCH #2
ELEV. 1	203.00	213.50
ELEV. 2	202.00	212.50
ELEV. 3	201.83	212.33
ELEV. 4	201.00	211.50
ELEV. 5	200.50	211.00
ELEV. 6	200.00	210.50

BENCHMARK ENGINEERING, INC.
 8480 BALTIMORE NATIONAL PIKE SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 phone: 410-465-6105 Fax: 410-465-8644
 www.bell-civilengineering.com

GRANITE MANOR LOTS 1 thru 4

OWNER/DEVELOPER: RON WILDMAN GRANITE MANOR LLC 4747 BONNIE BRANCH ROAD ELLICOTT CITY, MARYLAND 21043 410-869-9999

TAX MAP: 25 GRID: 7 PARCEL: 83 ZONED: HO ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND

SUPPLEMENTAL STORMWATER MANAGEMENT, LANDSCAPE AND FOREST CONSERVATION PLAN

DATE: APRIL, 2009 PROJECT NO. 2083
 SCALE: AS SHOWN SHEET 2 OF 2