

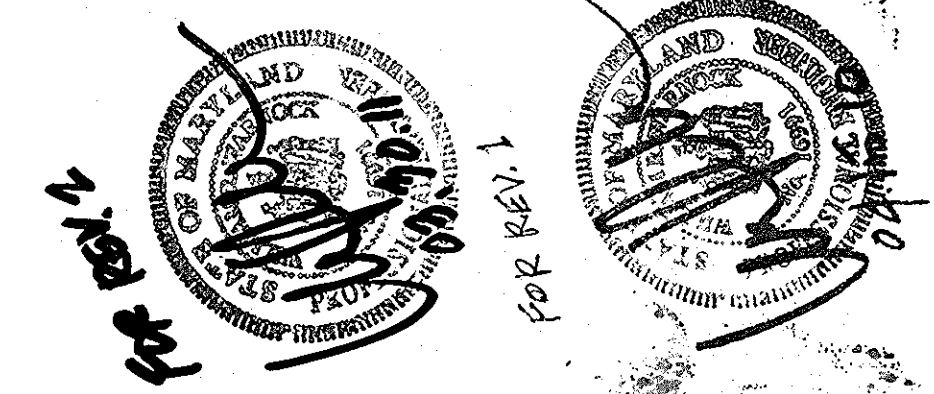
H. EDWARD LEWIS PROPERTY LOT 2

SITE DEVELOPMENT PLANS FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

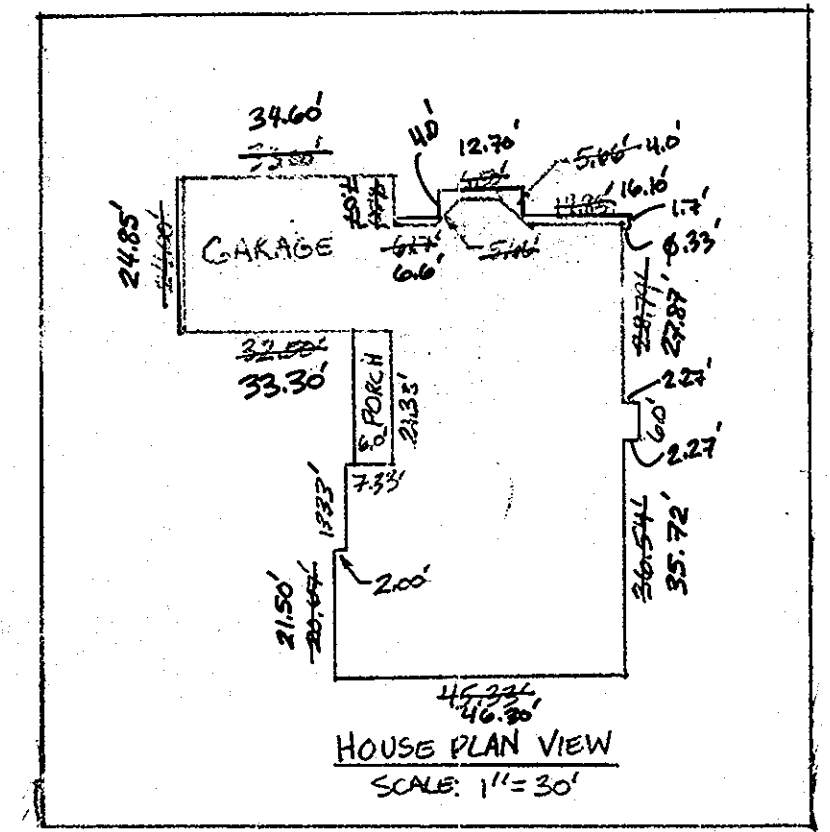
NOTE:
STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II. IT WAS DETERMINED THAT THE PROJECT MET THE CRITERIA OUTLINED IN THE MDE STORMWATER MANAGEMENT REGULATIONS GUIDELINES FOR IMPLEMENTATION FOR ACCEPTANCE OF THE 2000 DESIGN CRITERIA AND GRANTED A WAIVER. THIS PLAN RECEIVED SITE DEVELOPMENT PLAN APPROVAL (SDP ST. 46) ON SEPTEMBER 12, 2007. THIS PLAN IS ALSO SUBJECT TO THE EXPIRATION OF THIS WAIVER UNLESS ALL STORMWATER MANAGEMENT IS CONSTRUCTED BY MAY 14, 2017.

Professional Certification
I hereby certify that the plans 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. 1599
Expiration Date: 07/15/2017

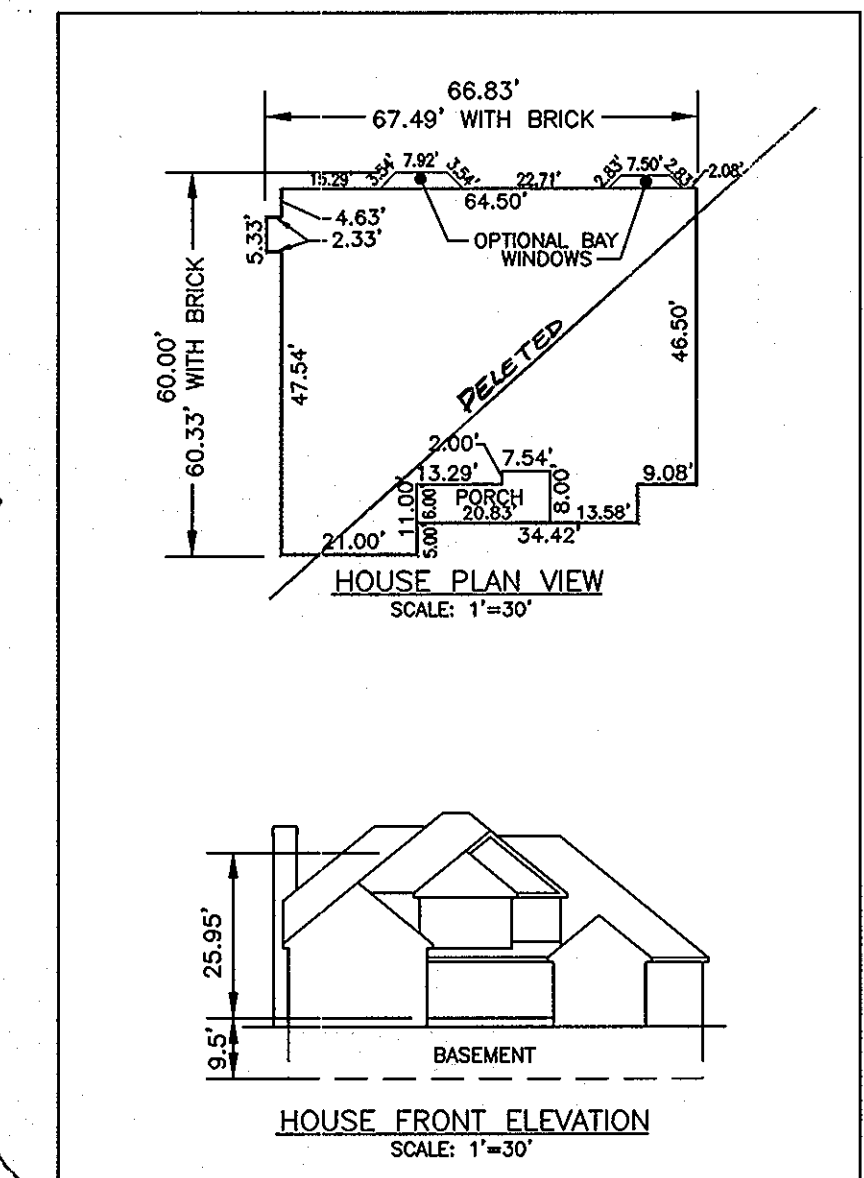
Professional Certification
I hereby certify that the plans were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 2213
Expiration Date: 07/15/2017



HARMS
ENGINEERS • PLANNERS • SURVEYORS
41 EAST ALL SAINTS STREET, SUITE 210, FREDRICK, MARYLAND 21701
Office: 301/631-2027 FAX: 301/631-2028

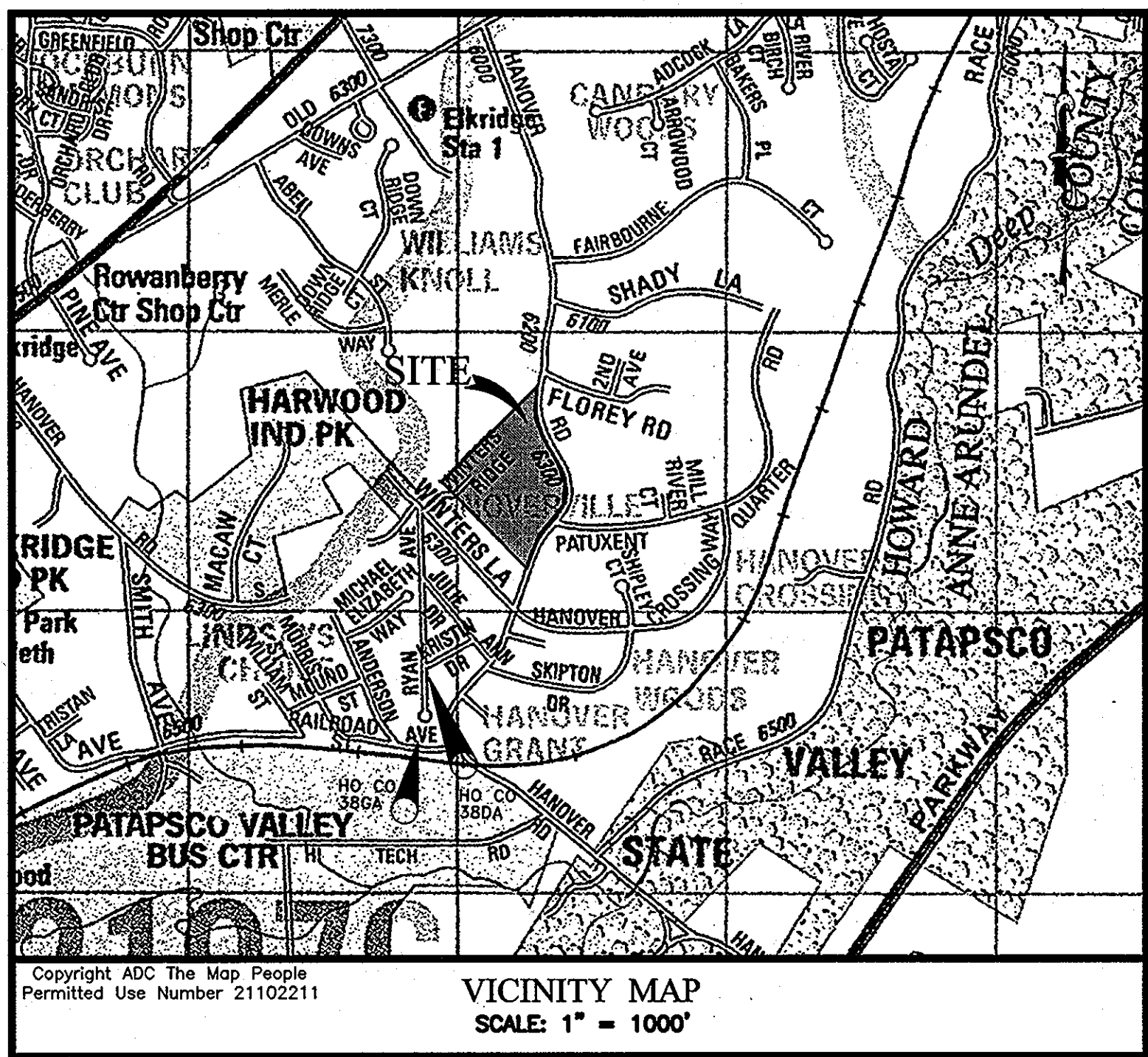


REV. 1
REV. 2



LEGEND

- BOUNDARY LINE
- ADJOINING PROPERTY
- CENTERLINE OF PUBLIC ROAD
- EXISTING EASEMENT OR R/W
- PIPE FOUND
- PIN & CAP OR IRON PIPE FOUND
- CONCRETE MONUMENT FOUND
- ▨ FOREST RETENTION CREDIT AREA
- ▩ ROOFTOP DISCONNECT CREDIT
- ▧ GRASS CHANNEL CREDIT
- ▦ NON-ROOFTOP DISCONNECT CREDIT
- ▥ EROSION CONTROL MATTING
- ▤ SILT FENCE
- ▣ SUPER SILT FENCE
- ▢ LIMIT OF DISTURBANCE
- FLOW ARROW
- ▧ STABILIZED CONSTRUCTION ENTRANCE
- BORINGS



GENERAL NOTES:

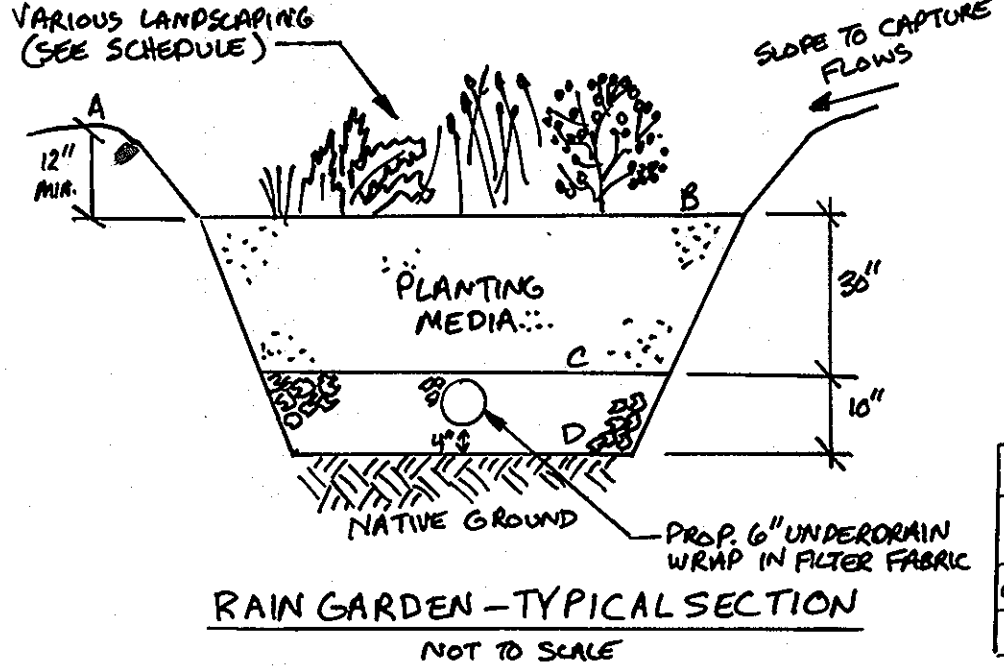
1. TAX MAP: 38, PARCEL: 494, BLOCK: 14, LOT 2
ELECTION DISTRICT: FIRST
ZONING: R-12
DEED REFERENCE: 10206/379 & 492/29 # 10206/373.
DPZ FILES: F-06-242, WP-07-034, PLAT # 19281-19283.
LOT AREA: 111,727 SQ. FT. OR 2.56 ACRES ±.
2. SUBJECT PROPERTY ZONED R-12 PER THE 02/02/04 COMPREHENSIVE ZONING PLAN AND THE COMP LITE ZONING AMENDMENTS EFFECTIVE JULY 28, 2006.
3. THIS PLAN IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED JANUARY 2006 BY JOHN E. HARMS, JR. & ASSOCIATES, INC. TOPOGRAPHY SHOWN HEREON IS BASED ON AN AERIAL TOPOGRAPHIC SURVEY CONDUCTED BY POTOMAC AERIAL SURVEYS IN JANUARY 2006.
4. COORDINATES BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 38DA & 38GA. BOTH MONUMENTS ARE STAMPED (BRASS OR ALUMINUM) DISCS SET ON TOP OF A 3" DEEP COLUMN OF CONCRETE.
STA. NO. 38DA N 556,796.2929, E 1,390,221.4861 ELEV. 126.121
STA. NO. 38GA N 555,897.3157, E 1,390,132.1323 ELEV. 80.829
5. ALL AREAS ARE MORE OR LESS.
6. THIS SUBDIVISION IS IN THE METROPOLITAN DISTRICT. CONNECTIONS WILL BE MADE TO EXISTING 8" WATER CONTRACT # 2-W AND EXISTING SEWER CONTRACT # 49-S.
7. NO BURIAL GROUNDS OR CEMETERIES EXIST ON-SITE.
8. NO STEEP SLOPES, STREAMS OR FLOODPLAINS EXIST ON-SITE.
9. NO WETLANDS EXIST ON-SITE PER FIELD INVESTIGATION BY JOHN E. HARMS, JR. & ASSOCIATES, INC. ON DECEMBER 8, 2005.
10. FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1202 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL SHALL BE FULFILLED BY THE RETENTION OF 3.99 ACRES OF EXISTING FOREST ON LOT 2 IN ACCORDANCE WITH THE 60,000 SQ. FT. LOT POLICY DATED MAY 11, 1999 AS APPROVED UNDER F-06-242. LOTS 1 AND 2 SHALL BE SUBJECT TO FOREST CONSERVATION OBLIGATIONS UPON ANY FUTURE RESUBDIVISION OF THIS SITE.
11. NO HISTORIC DISTRICTS ARE ADJACENT TO THIS SITE. SITE IS NOT ADJACENT TO A DESIGNATED SCENIC ROAD.
12. AREA OF SUBDIVISION = 9.49 ACRES
AREA OF SUBMISSION = 2.57 ACRES ±
AREA OF THE SMALLEST LOT (LOT 2) = 112,037 SQ. FT. OR 2.57 ACRES.
13. THE OPEN SPACE REQUIREMENT HAS BEEN SATISFIED VIA PAYMENT OF A FEE-IN-LIEU, IN THE AMOUNT OF \$1,500 FOR LOT 2 UNDER F-06-242.
14. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
A) WIDTH: 12 FT. (14 FT. SERVING MORE THAN ONE RESIDENT).
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 OF 45 FT. TURNING RADIUS.
D) STRUCTURES (CULVERTS/BRIDGES): CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
E) DRAINAGE ELEMENTS: CAPABLE OF SAFELY PASSING 100-YR. FLOOD WITH NO MORE THAN 1 FT. DEPTH OVER DRIVEWAY SURFACE.
F) STRUCTURE CLEARANCES: MINIMUM 2 FT.
G) MAINTENANCE: SUFFICIENT TO ENSURE ALL WEATHER USE.
15. 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 TO THE PIPESTEM LOT DRIVEWAY.
16. STORMWATER MANAGEMENT REQUIREMENTS HAVE BEEN SATISFIED VIA STRUCTURAL AND NON-STRUCTURAL METHODS. A BIOTENTATION FACILITY, ROOFTOP DISCONNECT, DRYWELLS, GRASS CHANNEL/LAND NON-ROOFTOP DISCONNECT ARE BEING UTILIZED.
17. WATER AND SEWER SERVICE TO THIS LOT WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 18.122.B OF THE HOWARD COUNTY CODE.
18. PUBLIC WATER AND SEWAGE ALLOCATION IS TO BE GIVEN UPON APPROVAL OF THE CONSTRUCTION PLANS FOR THE SERVICE EXTENSIONS.
19. LANDSCAPING FOR LOT 2 HAS BEEN PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED PERIMETER PLANTINGS ON LOT 2 IN THE AMOUNT OF \$1,200.00 FOR 4 SHADE TREES HAS BEEN POSTED AS PART OF THE DEVELOPER'S AGREEMENT FOR THIS SITE PLAN. NO SURETY IS REQUIRED FOR STREET TREE PLANTINGS ON LOT 1.
20. A USE-IN-COMMON DRIVEWAY MAINTENANCE AGREEMENT FOR LOTS 1 AND 2 HAS BEEN RECORDED SIMULTANEOUSLY WITH THE RECORD PLAT IN THE LAND RECORDS OFFICE OF HOWARD COUNTY, MARYLAND.
21. THIS PLAN IS IN CONFORMANCE WITH THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS:
MISS UTILITY: 1-800-257-7777 (48 HOURS PRIOR)
C&E TELEPHONE: 410-725-9878
HO. CO. 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
HO. CO. DEPT. OF PUBLIC WORKS/CONSTRUCTION INSPECTION DIVISION: 410-313-1880
25. 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 DECK, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
26. DRIVEWAY ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD R-6.08.
27. EXISTING SEWER BASED ON AS-BUILT PLANS AND FIELD LOCATION. EXISTING WATER BASED ON COUNTY DATA. AS-BUILT PLANS WERE NOT AVAILABLE.
28. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
29. SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE.
30. EXISTING SEPTIC SYSTEM ON LOT 1 IS TO BE PROPERLY ABANDONED AND CONNECTED TO THE EXISTING 8" SEWER MAIN IN HANOVER ROAD ALONG WITH CONNECTIONS BEING PROVIDED TO LOT 2.
31. ANY FUTURE RESUBDIVISION OF THIS PROPERTY WILL REQUIRE SIDEWALK IMPROVEMENTS FOR THE ENTIRE FRONTAGE ALONG HANOVER ROAD.

INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	SITE DEVELOPMENT PLAN
3	SEDIMENT CONTROL NOTES & DETAILS

RAIN GARDEN

	A	B	C	D
"A"	223.0	222.0	219.5	218.67
"B"	211.5	210.5	208.0	207.17



- SOIL SPECIFICATIONS:**
1. THE RAIN GARDEN AMENDED SOILS SHALL HAVE A COMPOSITION OF 60% SAND, 20% COMPOSTED LEAVES, AND 20% TOPSOIL.
 2. SOIL SHALL BE OF UNIFORM COMPOSITION FREE OF STONES, STUMPS, ROOTS OR SIMILAR OBJECTS LARGER THAN 2 INCHES IN LENGTH, OR ANY OTHER MATERIALS OR SUBSTANCES WHICH MAY BE HARMFUL TO PLANTING WITH OR A HINDRANCE TO PLANTING OR MAINTENANCE OPERATIONS.
 3. SOIL SHALL BE FREE OF PLANTS OR PLANT PARTS OF BANYAN GUMS, JACK GUMS, JOHNSON GUMS, MISHMET, M. TEEPEE, POISONITY, CANNONBALL TREE OR OTHER AS SPECIFIED.
- NOTES:**
1. UNDERDRAIN AND GRAVEL SHALL BE PER SPECIFICATION'S SHEET B.
 2. OVERFLOW FROM RAIN GARDEN SHALL BE DIRECTED OVER A 10" WIDE MIN. EARTH SPILLWAY STABILIZED WITH TUFF.
 3. PLACE 2-3" SHREDDED HARDWOOD MULCH ON SURFACE OF RAIN GARDEN. SEE SPECS SHEET B.

RAIN GARDENS PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	SPRING	SIDE	REMARKS	# RAIN GARDEN "A"	# RAIN GARDEN "B"
AMP	ASTER MONNE-ANNELIKE	NEW ENGLAND ASTER	24" C-C	6"-8" HT.	CONT.	27	29
CAV	CLETHRA ALANTIFOLIA	SWEET PEARBUSH	48" C-C	2'-3' HT.	CONT.	5	5
LCA	LOBELIA CARDINALIS	CARDINAL FLOWER	24" C-C	6"-8" HT.	CONT.	27	29

PERMIT INFORMATION CHART

SUBDIVISION NAME: H. EDWARD LEWIS PROPERTY	SECTION/AREA: LOT 2, PARCEL 494	LOT/PARCEL NO. LOT 2, PARCEL 494
PLAT NO. OR L/F BLOCK NO. ZONE # 19281-19283 14 R-12	TAX MAP 38	ELEC. DIST. CENSUS TRACT FIRST 601201
WATER CODE: A01	SEWER CODE: 2130000	

PROPOSED IMPROVEMENTS:
CONSTRUCT HOUSE, WOOD SHOP, & EQUIPMENT STORAGE BUILDING, ASSOCIATED GRADING, AND SEDIMENT CONTROL.

ADDRESS CHART

LOT NO.	STREET ADDRESS
2	6276 HANOVER ROAD

OWNER
CHARLES EDWARD LEWIS, TRUSTEE OF THE HAROLD EDWARD LEWIS LIVING TRUST
LIVING TRUST AS TRUSTEE OF THE CHARLES EDWARD LEWIS LIVING TRUST
6270 HANOVER RD
HANOVER, MD 21076

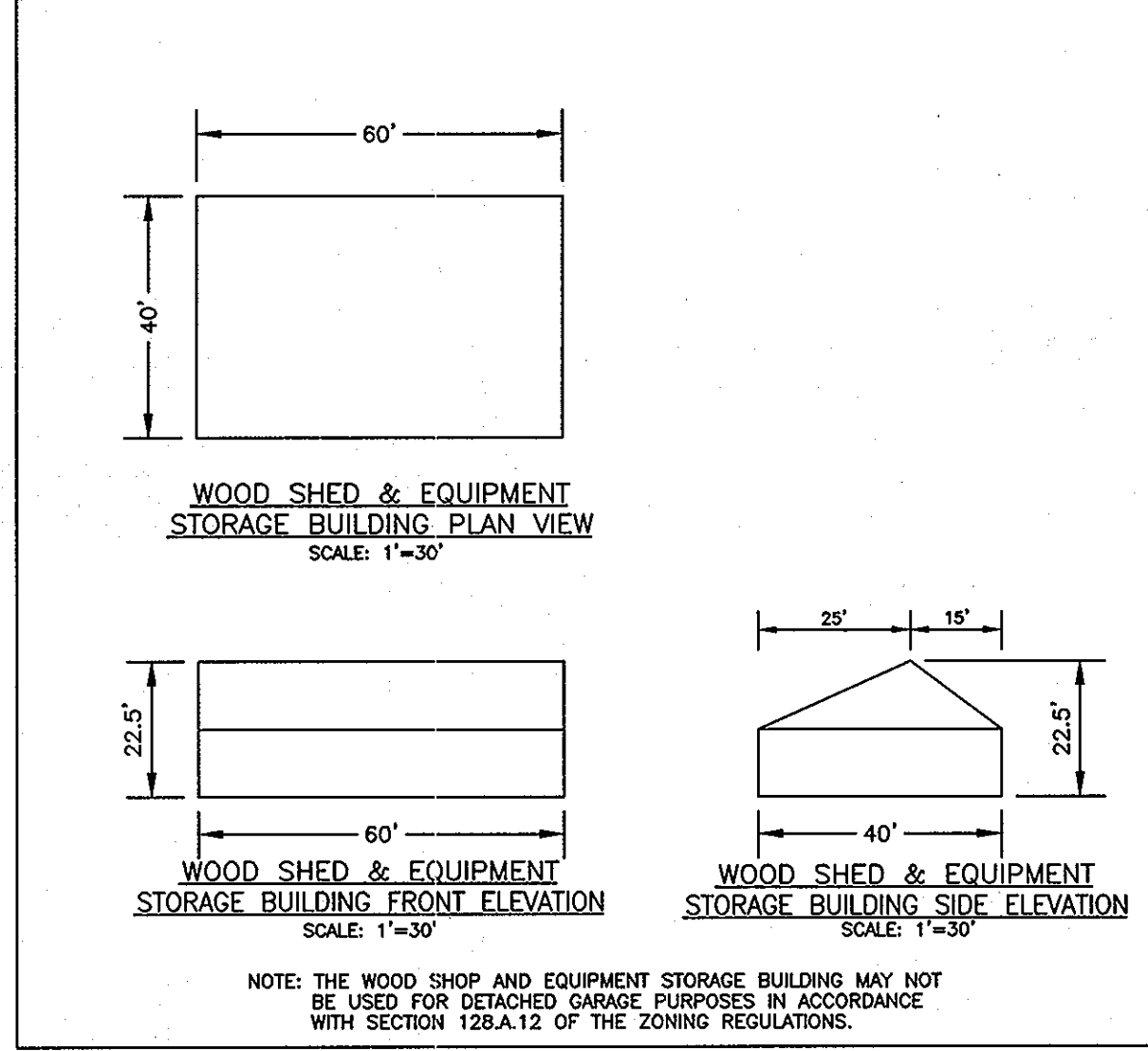
OWNERS/DEVELOPERS CERTIFICATION
I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING OF THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL SERVICE CONSERVATION SERVICE.
Signature of Owner/Developer: Charles Edward Lewis 3/9/07
Signature of Design Professional: Robert J. North, Jr., P.E. 3/15/07

DESIGN 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 SERVICE CONSERVATION SERVICE.
JOHN E. HARMS, JR. & ASSOCIATES, INC.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Signature of Natural Resource Conservation Service: Jim Meyer 6/29/07

THIS DEVELOPMENT SITE PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Signature of Howard Soil Conservation District: John K. Reuter 6/29/07

APPROVED DEPARTMENT OF PLANNING AND ZONING
Signature of Planning and Zoning: [Signature] 9/7/07
Signature of Land Development: [Signature] 7/1/07
Signature of Director: [Signature] 7/1/07



Date: 03/07/2007 User: sdemchik
 Drawing Path: D:\Projects\2007\Projects\Lewis Property - Howard County\08-05-035A\dwg\Site Plan-Lot 2.dwg XREF File(s): L:\P\Bases-SP.dwg, L:\F\Bases-SP.dwg

OWNERS/DEVELOPERS CERTIFICATION
 I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT 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 OF THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE NATURAL SERVICE CONSERVATION SERVICE.

Charles Edward Lewis 3/4/07
 SIGNATURE OF OWNER/DEVELOPER DATE
CHARLES EDWARD LEWIS
 PRINTED NAME OF OWNER/DEVELOPER

DESIGN 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 SERVICE CONSERVATION SERVICE.

Robert J. North, Jr., P.E. 3/16/07
 SIGNATURE OF DESIGN PROFESSIONAL DATE
ROBERT J. NORTH, JR., P.E.
 PRINTED NAME OF DESIGN PROFESSIONAL

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

Jim Meyer 8/29/07
 US NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John K. Roberts 8/29/07
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED DEPARTMENT OF PLANNING AND ZONING

Chad Dunning 9/15/07
 CHEF, DEVELOPMENT ENGINEERING DIVISION DATE

Candy Krametz 9/11/07
 CIVIL DIVISION OF LAND DEVELOPMENT DATE

Frank J. Rege 9/16/07
 DIRECTOR DATE

SOIL DESCRIPTIONS

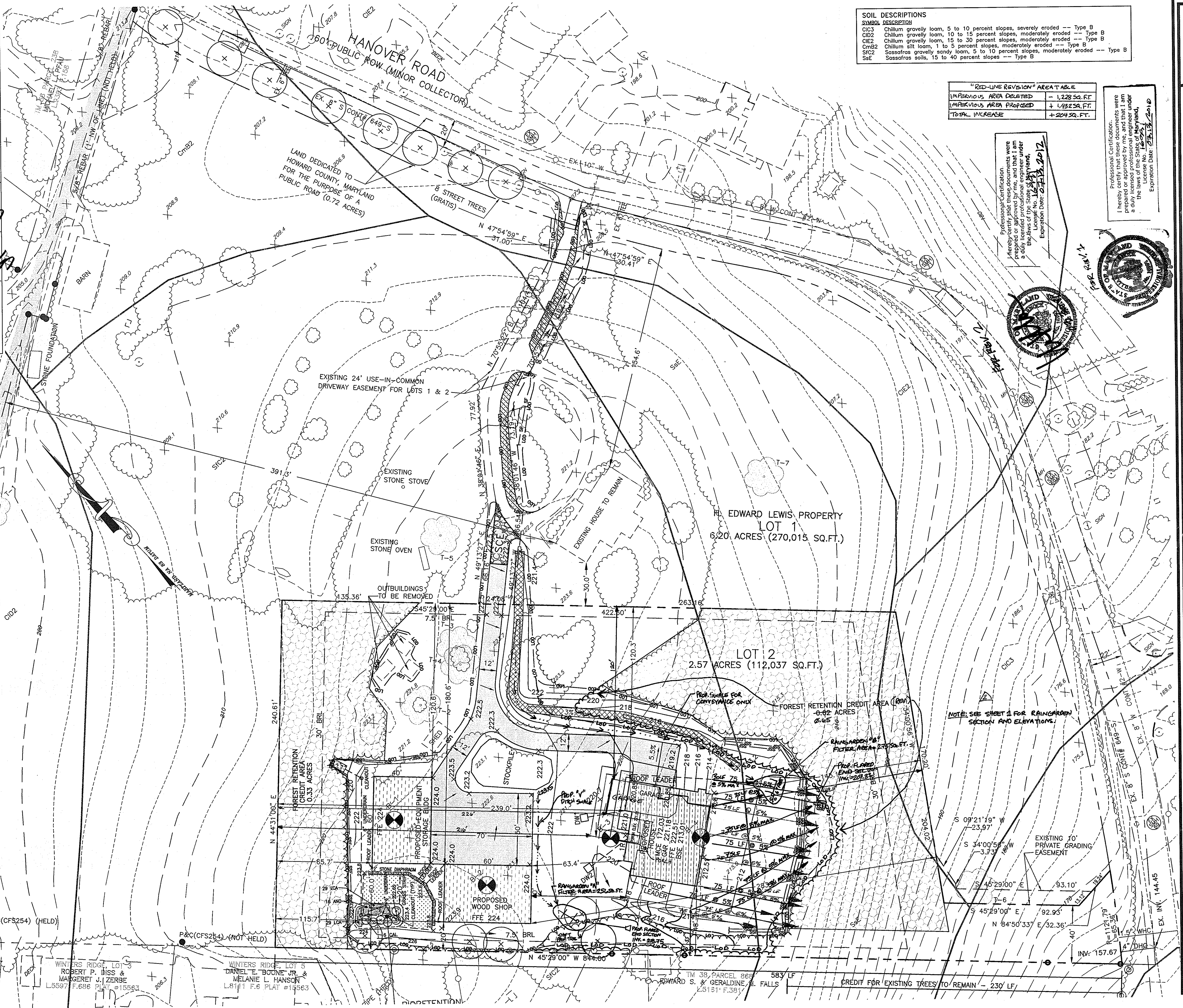
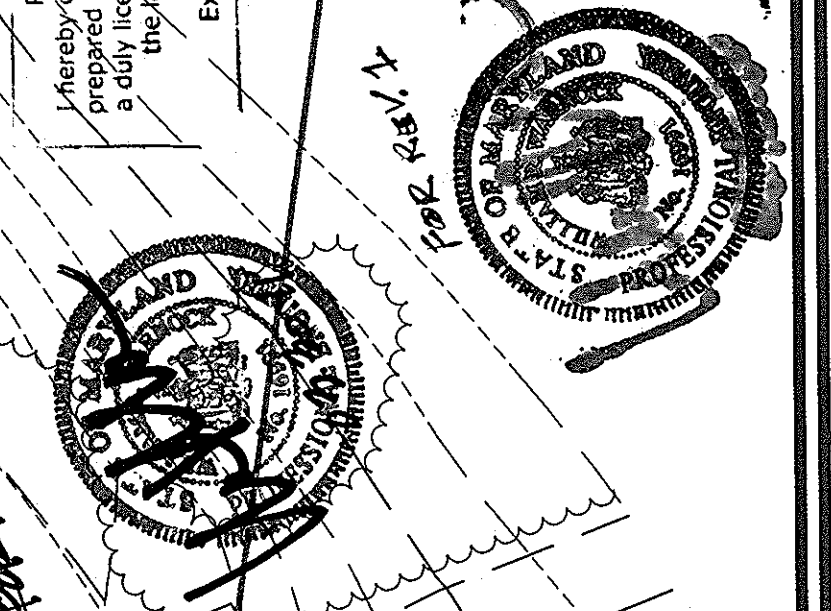
SYMBOL	DESCRIPTION
CIC3	Chillum gravelly loam, 5 to 10 percent slopes, severely eroded -- Type B
CID2	Chillum gravelly loam, 10 to 15 percent slopes, moderately eroded -- Type B
CIE2	Chillum gravelly loam, 15 to 30 percent slopes, moderately eroded -- Type B
CM32	Chillum silt loam, 1 to 5 percent slopes, moderately eroded -- Type B
SC2	Sassafras gravelly sandy loam, 5 to 10 percent slopes, moderately eroded -- Type B
SAE	Sassafras soils, 15 to 40 percent slopes -- Type B

"RED-LINE REVISION" AREA TABLE

IMPERVIOUS AREA DELETED	- 1,228 SQ. FT.
IMPERVIOUS AREA PROPOSED	+ 1,422 SQ. FT.
TOTAL INCREASE	+ 204 SQ. FT.

Professional Certification:
 I hereby certify that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 16713
 Expiration Date: 03/31/2012

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SITE DEVELOPMENT PLAN
H. EDWARD LEWIS PROPERTY
LOT 2
 Tax Map 38, Parcel 494
 First Election District Howard County, Maryland
 Scale: 1"=30'

NO.	REVISION	BY	DATE
1	REVISE GRADING FOOTPRINT	648	4/16/07
2	REVISE SWM AND FL CREDIT AREA	648	4/16/07

DESIGNED BY: SJG
 DRAWN BY: SIN
 CHECKED BY: SJG
 DATE: MAR 2007
 W.D. NO. 08-05-035A

2 OF 3

SDP.07.40

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.

SEEDING 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:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITE LIMESTONE (92 LBS./1000 SQ.FT.)
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITE LIMESTONE (92 LBS./1000 SQ.FT.)

SEEDING - FOR 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 PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. PER ACRE 1.4 LBS./1000 SQ.FT. OF KENTUCKY 31 TALL FESCUE. FOR PERIOD AUGUST 15 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE 1.4 LBS./1000 SQ.FT. OF KENTUCKY 31 TALL FESCUE. FOR PERIOD NOVEMBER 1 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) - USE SOO, 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 GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) OF UNCLASSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS 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 RESTORED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION - LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR 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 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR PERIOD MAY 1 THRU JULY 31, SEED WITH 3 LBS. PER ACRE OF WHEAT (0.7 LBS./1000 SQ.FT.) FOR PERIOD NOVEMBER 1 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, OR USE SOO.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED WOOD FREE SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) OF UNCLASSIFIED 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

- 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).
- 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 THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERMITS, SEDIMENT CONTROL STRUCTURES, DIKES, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. FOR PERMANENT SEEDING (SEC.5), SOO (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC.55), TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE:	2.56	ACRES
AREA DISTURBED:	1.25	ACRES
AREA TO BE RERODED OR PAVED:	0.6	ACRES
AREA TO BE VEGETATIVELY STABILIZED:	0.71	ACRES
TOTAL CUT:	2,200	CU. YDS.
TOTAL FILL:	2,200	CU. YDS.
TOTAL WASTE/BORROW AREA LOCATION:	N/A	
- THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN QUANTITY MEASUREMENTS.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES, SILT FENCE, AND SUPER SILT FENCE AT LOCATIONS SHOWN. (1 DAY)
- COMPLETE CONSTRUCTION AS SHOWN. (12 MONTHS)
- COMPLETE FINE GRADING OF SITE TO GRADES INDICATED. (1 DAY)
- SEED AND MULCH ALL REMAINING DISTURBED AREAS. (1 DAY)
- UPON STABILIZATION OF THE SITE AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ANY SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS. (7 DAYS)

OWNERS/DEVELOPERS CERTIFICATION

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

Signature of Owner/Developer: *Charles Edward Lewis* DATE: 3/9/07

Signature of Designer: *Robert J. Noeth Jr., P.E.* DATE: 3/16/07

PRINTED NAME OF OWNER/DEVELOPER: **Charles Edward Lewis**

DESIGN 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, SURROUNDING AREAS, PREVIOUS EROSION AND WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Designer: *Robert J. Noeth Jr., P.E.* DATE: 3/16/07

PRINTED NAME OF DESIGN PROFESSIONAL: **Robert J. Noeth Jr., P.E.**

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

Signature of District Engineer: *Jim M. ...* DATE: 8/29/07

Signature of District Engineer: *John ...* DATE: 8/29/07

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

Signature of District Engineer: *John ...* DATE: 8/29/07

APPROVED DEPARTMENT OF PLANNING AND ZONING

Signature: *...* DATE: 9/7/07

APPROVED DEPARTMENT OF ENGINEERING DIVISION

Signature: *...* DATE: 9/10/07

APPROVED DEPARTMENT OF LAND DEVELOPMENT

Signature: *...* DATE: 9/14/07

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 GRADATION.

CONDITIONS WHERE PRACTICE APPLIES

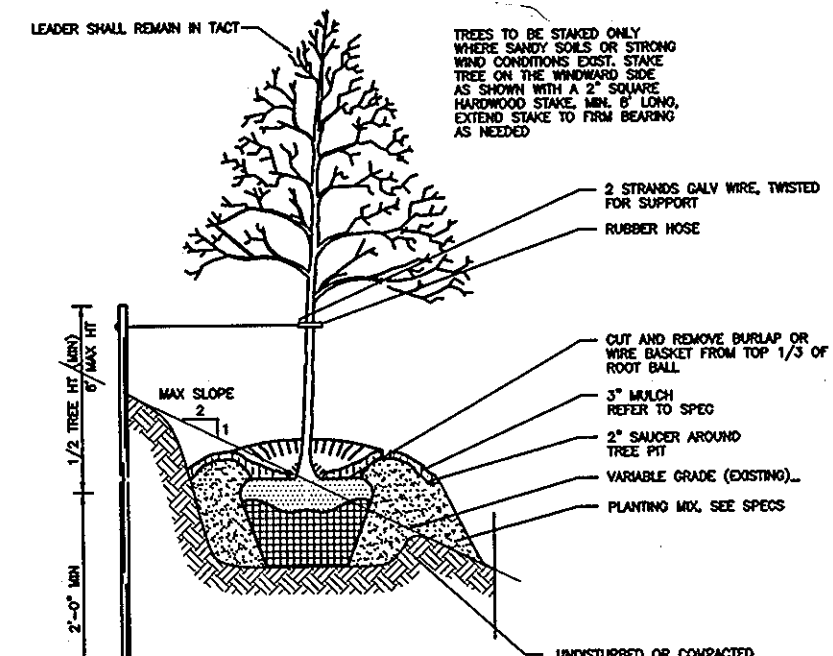
- THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
 - THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS UNDESIRABLE TO PRODUCE VEGETATIVE GROWTH.
 - THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
 - THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
 - THE SOIL IS SO ACIDIC 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. 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 PROVIDED BY USDA-SGS 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 AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. TOPSOIL SHALL NOT BE A MIXTURE OF CLAY, TRACING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME COBBLES, STONES, 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, JOHNSON-SOON GRASS, NUTCRACK, 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 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 DESCRIBED 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 DEGRADATION 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.
 - TOPSOIL APPLICATION
 - WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CATCH DIKES, 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" - 8" HIGHER IN ELEVATION.
 - TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 6" 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 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 PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY INTERFERE WITH THE 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 ONE OF THE FOLLOWING FROM A PERSON OR PERSONS WHO ARE PERMITTED (AT THE DISCRETION 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 PHOSPHOROUS, AND 0.2 PERCENT POTASSIUM AND HAVE A PH OF 7.0 TO 8.0. COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSENTS 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 1/3 THE NORMAL LIME APPLICATION RATE.
 - GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SOODING, MD-VA, PUB. #1, JOINTLY COMPILED BY MARYLAND AND VIRGINIA POLYTECHNIC INSTITUTES, REVISED 1973.

TEMPORARY DUST CONTROL MEASURES

- MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE COMBED 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 SPACED ABOUT 12' APART, SPRING-TOOTHED HARROWS, 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 MOSTLY WET. AS NEEDED, AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THAT RUNOFF BEGINS TO FLOW.
- BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNO 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.



TREE PLANTING AND STAKING ON SLOPE

DECIDUOUS AND EVERGREEN TREES NOT TO SCALE

SCHEDULE A - PERIMETER LANDSCAPED EDGE

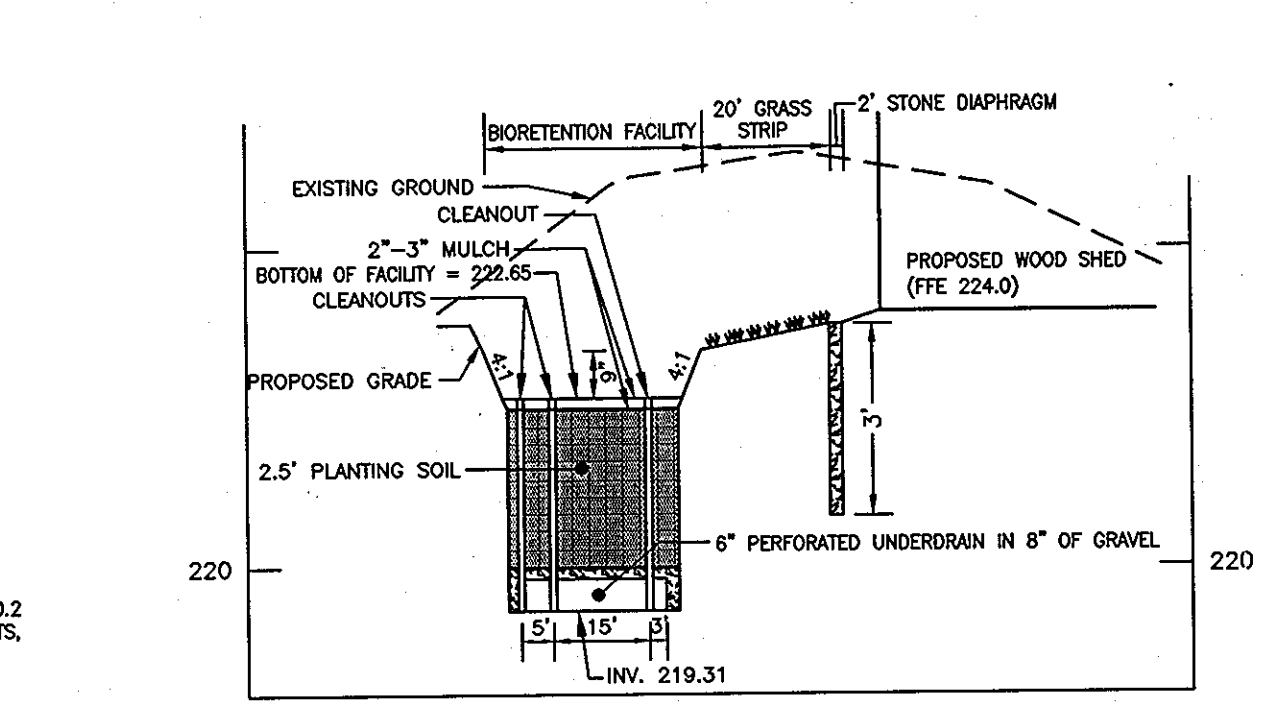
CATEGORY	ADJ. TO PERIMETER PROPERTIES	PERIMETER 1 - TYPE A
LANDSCAPE TYPE		583 LF
LINEAR FEET OF PERIMETER		583 LF
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)		YES, 230 LF (253 LF REMAINING)
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)		NO
NUMBER OF PLANTS REQUIRED		4 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS
NUMBER OF PLANTS PROVIDED		4 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS (10:1 SUBSTITUTION)

PERIMETER PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	REMARKS	QUANTITY
1	ACER RUBRUM	RED SUNSET MAPLE	AS SHOWN	2.5"-3" CAL	B&B	4

BIORETENTION PLANT LIST

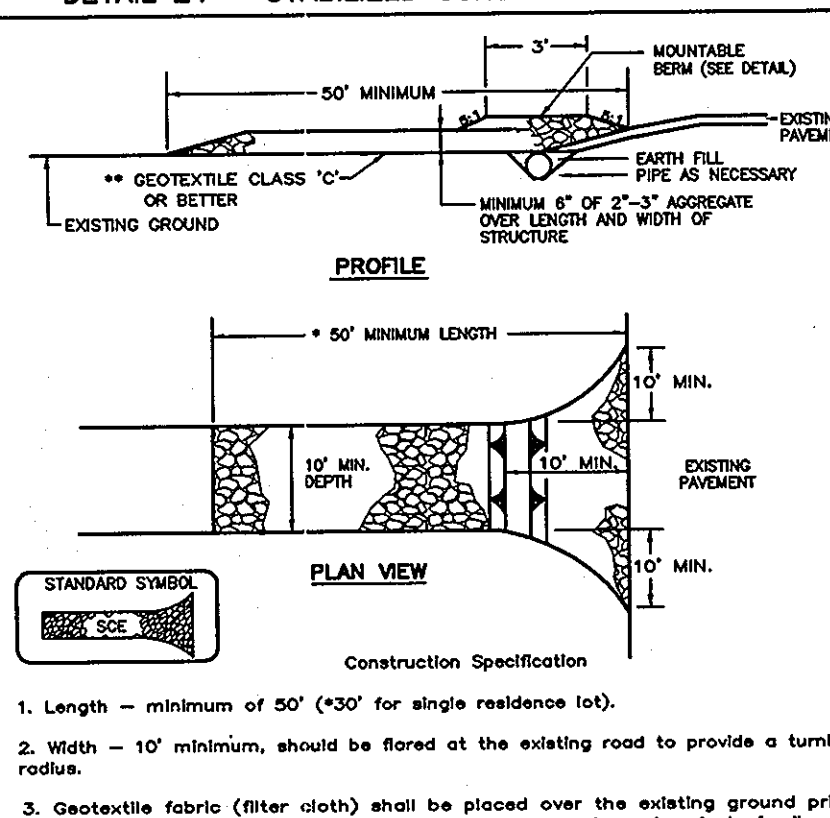
KEY	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	REMARKS	QUANTITY
AND	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	1.5 FEET	6"-8" HT.	CONT.	16
CAL	CLETHRA ALNIFOLIA	SWEET PEPPERBUSH	6 FEET	2'-3" HT.	CONT.	6
LCA	LOBELIA CARDINALIS	CARDINAL FLOWER	1.5 FEET	6"-8" HT.	CONT.	58



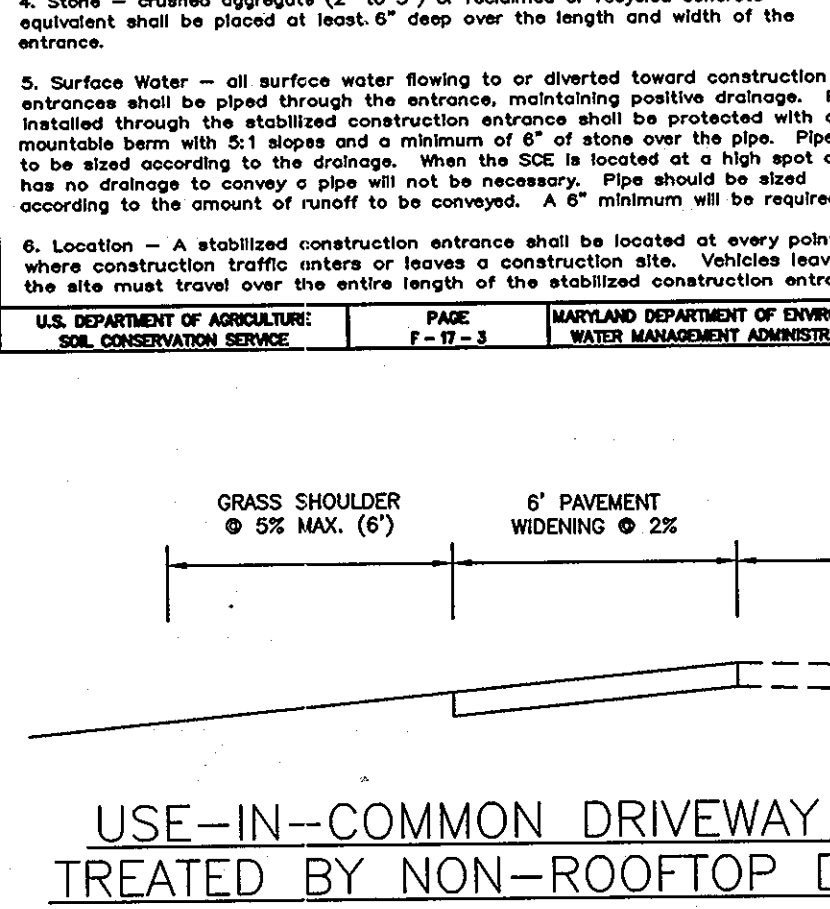
BIORETENTION DETAIL

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3"

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

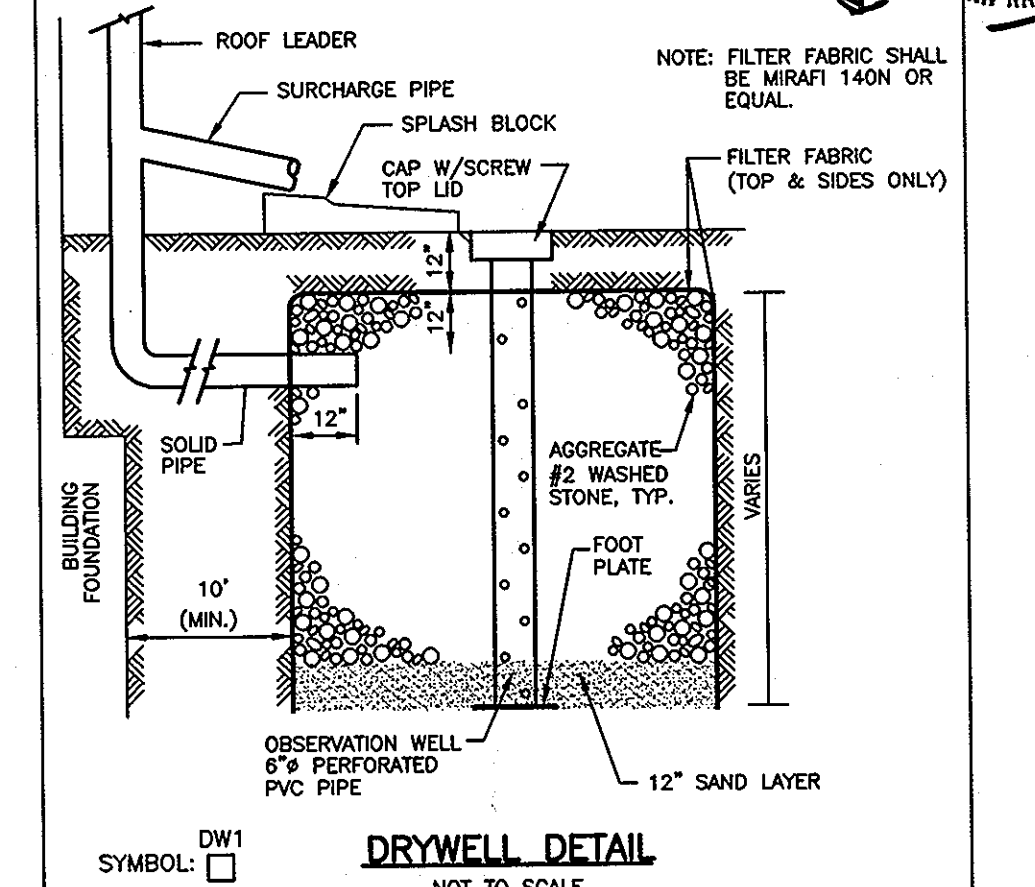


EROSION CONTROL MATTING



BIORETENTION DETAIL

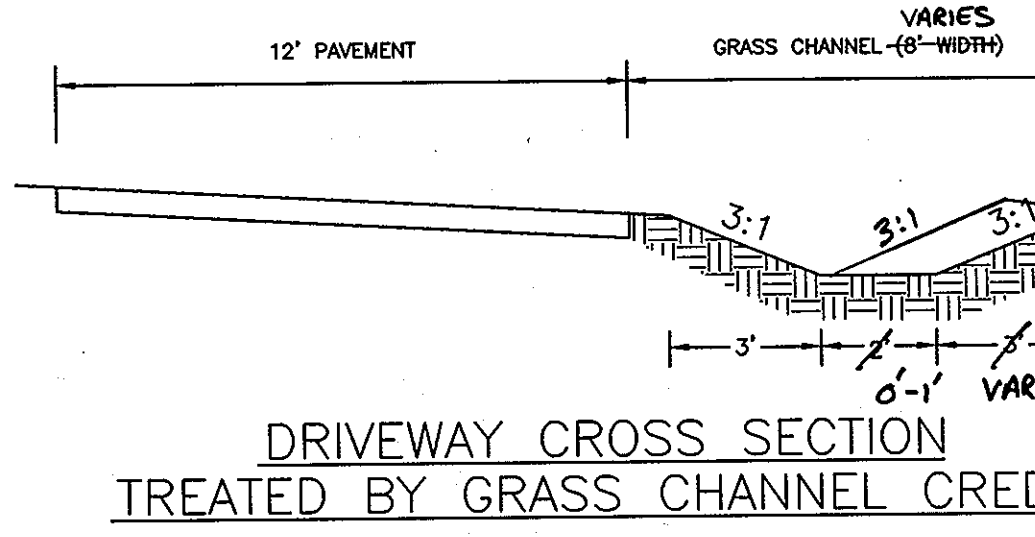
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3"



DRYWELL DETAIL

DISCONNECTION LENGTH PROVIDED	0-14 FT.	15-29 FT.	30-44 FT.	45-59 FT.	60-74 FT.	≥ 75 FT.
% W/ TREATED BY DISCONNECTION	0%	0%	0%	0%	0%	0%
% W/ TREATED BY STORAGE	100%	100%	100%	100%	100%	100%
MAX. STORAGE VOLUME *	40 CU-FT	40 CU-FT	40 CU-FT	40 CU-FT	40 CU-FT	40 CU-FT

* ASSUMING 500 SQUARE FEET ROOF AREA TO EACH DOWNSPUT.



HARMS

ENGINEERS • PLANNERS • SURVEYORS
141 EAST EAST SAINTS STREET, SUITE 210, FREDERICK, MARYLAND 21701
OFFICE: 301/691-2067 FAX: 301/691-2067

NO.	REVISION	BY	DATE
1	REVISE SCHEDULES	FOR/MUR	8/6/07
2	REVISE SW/M		8/1/07

H. EDWARD LEWIS PROPERTY

LOT 2

First Election District Tax Map 38, Parcel 494
Scale: AS SHOWN Howard County, Maryland

DESIGNED BY: SJD
DRAWN BY: SIN
CHECKED BY: SJD
DATE: MAR 2007
W.O. NO. 08-05-035A