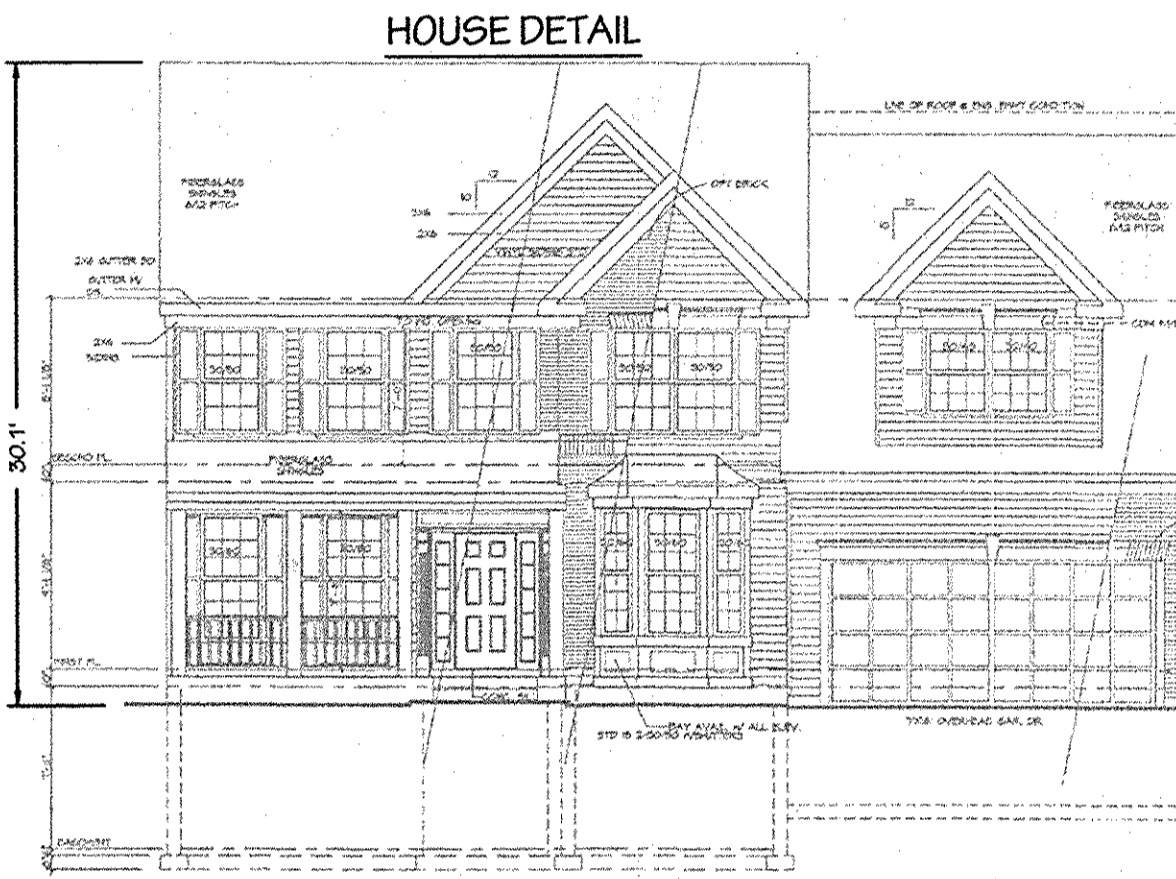


TAKEN FROM PLANS RECEIVED: 3/7/03
 Total Base Finished Area: 2,609 s.f.
 Total Finished Area with all options:
 above-grade finished area: 2,861 s.f.
 below-grade finished area: 1,554 s.f.
 Lot Coverage = 1,690 S.F. +/-
 Height = .28' +/-



NOTE:
 PUBLIC WATER METER PROPOSED TO BE OUTSIDE OF BUILDING

No.	Botanical Name	Common Name	D.B.H.	Condition	Status
1	Acer Rubrum	Red Maple	30"	Fair	Save
2	Acer Rubrum	Red Maple	40"	Fair	Save

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

Walter G. Zawislak 2/19/14
 DATE
 SIGNATURE OF ENGINEER (PRINT NAME BELOW)

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 THE 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.

2/27/14
 DATE
 SIGNATURE OF DEVELOPER

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

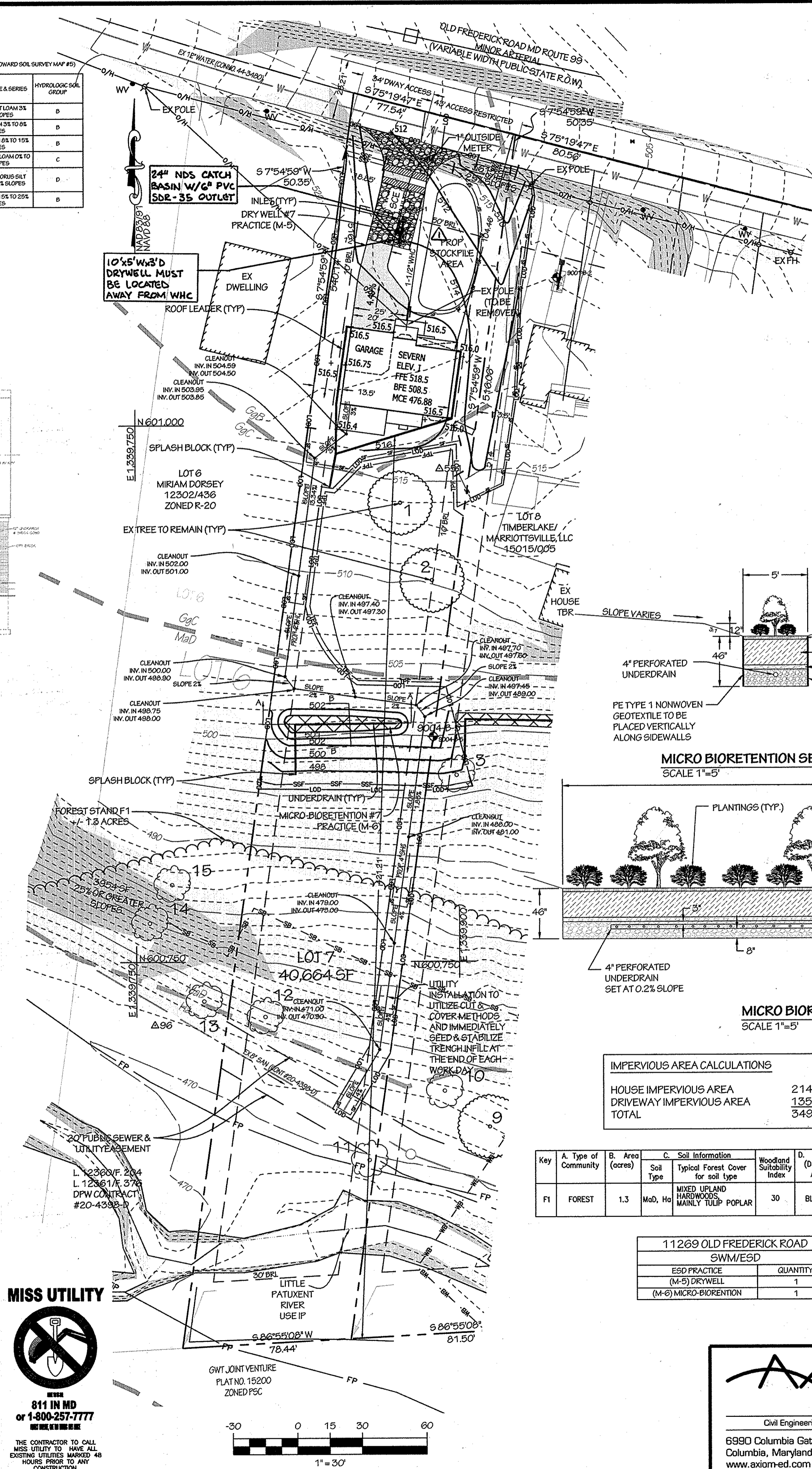
2/27/14
 DATE
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING

3-24-14
 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

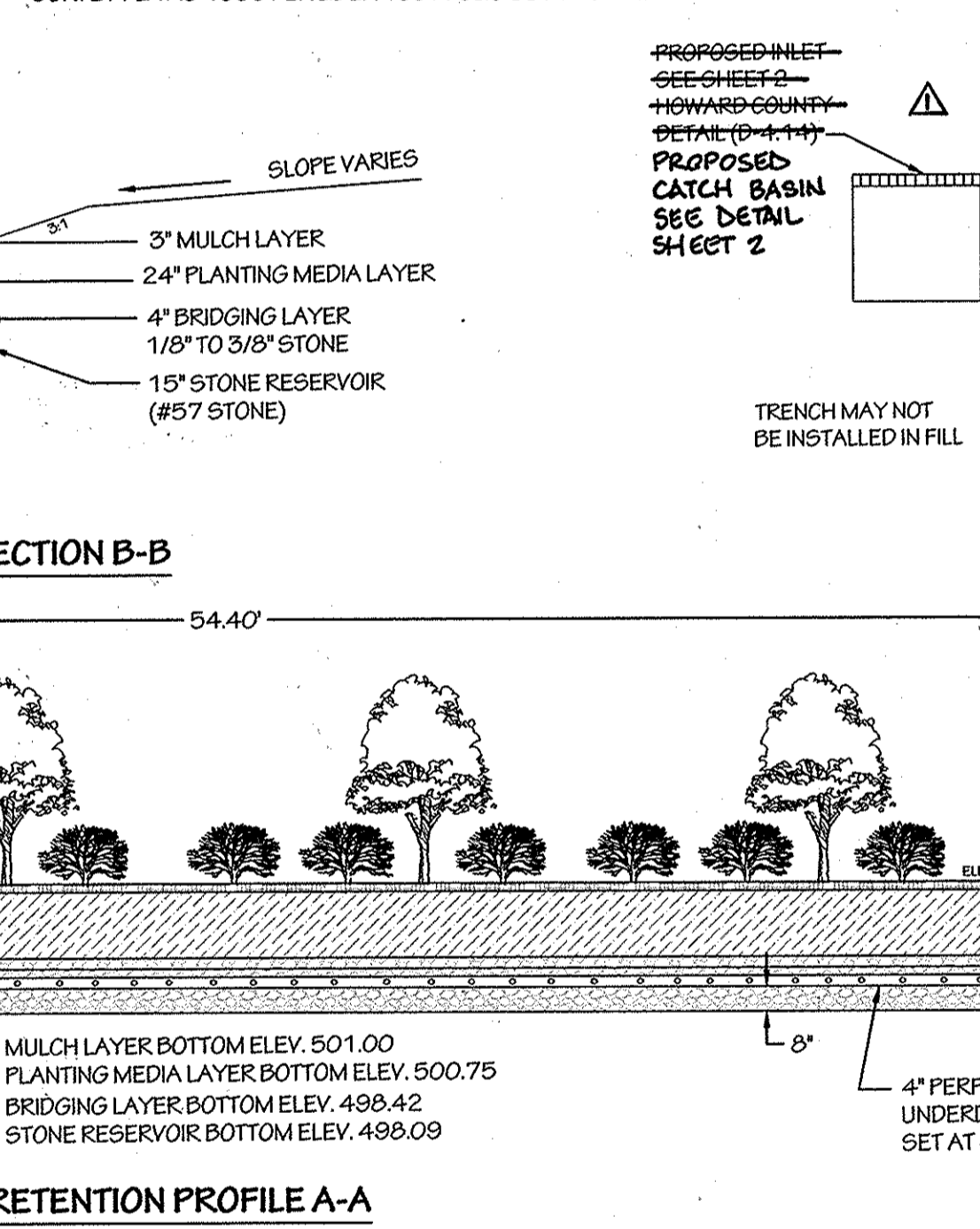
3-24-14
 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT

3-24-14
 DATE
 DIRECTOR



GENERAL NOTES

1. 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 TO THE START OF WORK.
2. THE CONTRACTOR SHALL NOTIFY M&S UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
3. THE EXISTING TOPOGRAPHY IS TAKE FROM FIELD RUN SURVEY WITH 2 FOOT CONTOUR INTERVALS PREPARED BY AXIOM ENGINEERING DESIGN DATED JUNE 14, 2013.
4. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NO. 10H5 AND 10HA WERE USED FOR THIS PROJECT.
5. DRY WELLS (M-5) AND MICRO BIORETENTION (M-6) ARE TO BE OWNED AND MAINTAINED BY THE PROPERTY OWNER. REFERENCE ENVIRONMENTAL CONCEPT PLAN APPROVAL #13-078.
6. EXISTING UTILITIES ARE BASED ON THE ALPHA RIDGE WATER SUPPLY AS-BUILT CAPITAL PROJECT NUMBER W-8203, CONTRACT NUMBER 44-3480 DATED MARCH 1986 AND MARYLAND ROUTE 99 SEWER MAIN EXTENSION, CONTRACT NUMBER 20-4398-D DATED APRIL 2008.
7. ANY DAMAGE TO COUNTY RIGHT OF WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
8. SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE.
9. FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD DETAIL R-6.05.
10. THE SUBJECT PROPERTY IS ZONED R-20 PER THE 2013 HOWARD COUNTY COMPREHENSIVE ZONING PLAN APPROVED OCTOBER 6, 2013.
11. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING OR NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST OR EASEMENT AREAS AND 100 YEAR FLOODPLAIN, EXCEPT AS DESCRIBED IN NOTE #16 AS ESSENTIAL DISTURBANCE.
12. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
13. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING WILL BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$ 1,800 FOR 5 TREES AND 2 ORNAMENTAL TREES.
14. THIS PROJECT IS CONDITIONALLY EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1 NO BURIAL GROUNDS, CEMETERY SITES, OR HISTORIC STRUCTURES EXIST ON SITE. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION PER SECTION 16.1202 (B)(2)(A).
15. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION PER SECTION 16.1202 (B)(2)(A) 12-16-2013.
16. THE SEWER TRENCHING AND PIPE INSTALLATION WORK BEING DONE WITHIN THE STREAM BUFFER AND STEEP SLOPES AS NECESSARY DISTURBANCE UNDER SECTION 16.116(C)(1)(i).
17. THE 65DBA NOISE LINE ESTABLISHED BY HOWARD COUNTY HAS BEEN WAIVED BY DEED 12/16/13. LOTS 7-10 WERE SUBDIVIDED BY A DEED PRIOR TO 1960 AND BY SURVEY PLAT IS 1956 PER LIBER 198 / FOLIO 337 AND ARE THEREBY



IMPERVIOUS AREA CALCULATIONS

HOUSE IMPERVIOUS AREA	2142 SF
DRIVEWAY IMPERVIOUS AREA	1354 SF
TOTAL	3496 SF

ESDv SUMMARY TABLE

DRY WELL #7:	Pe TREATED: 1.38 IN	Rev PROVIDED: 60 CF
MICRO BIORETENTION #7:	Pe TREATED: 1.95 IN	Rev PROVIDED: 96 CF

Key	A. Type of Community	B. Area (acres)	C. Soil Information Soil Type Typical Forest Cover for soil type	D. Existing Vegetation (Dominant Species Approximate %)	E. Stand Characteristics Avg. Size (Diam) Age (Yrs) General Conditions	F. Forest Area in Sensitive Environments (acres)	G. Habitat Value	H. Specimen Trees
F1	FOREST	1.3	MoD, Ho MIXED UPLAND HARDWOODS MAINLY TULIP POPLAR	30 BLACK LOCUST	18"-29" 40 6000	0.65	1	2 AND LOCUST

11269 OLD FREDERICK ROAD
 SWM/WESD

ESD PRACTICE	QUANTITY
(M-5) DRYWELL	1
(M-6) MICRO-BIORETENTION	1

REVISION

DATE	BY	RELOCATED DRYWELL
8/29/14	LBD	AND CHANGE INLET TO CATCH BASIN

SHEET INDEX

SITE PLAN/SEDIMENT AND EROSION PLAN	SHEET 1
NOTES AND DETAILS	SHEET 2
NOTES AND DETAILS	SHEET 3
LANDSCAPE PLAN AND DETAILS	SHEET 4

TEST PIT

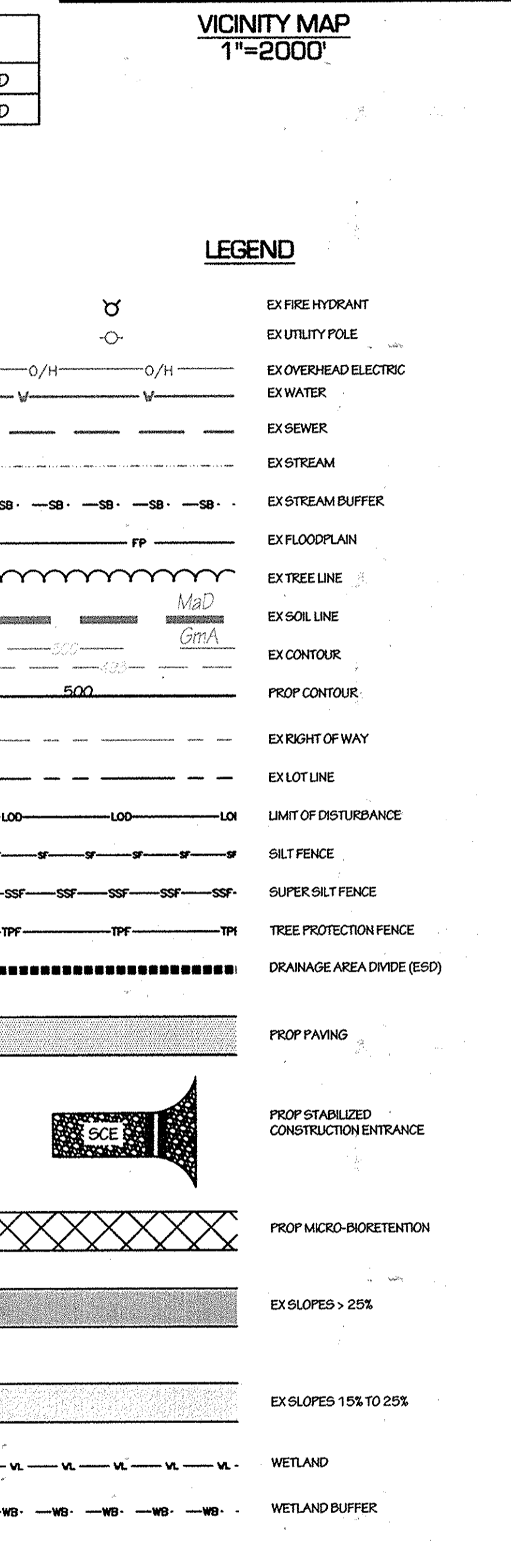
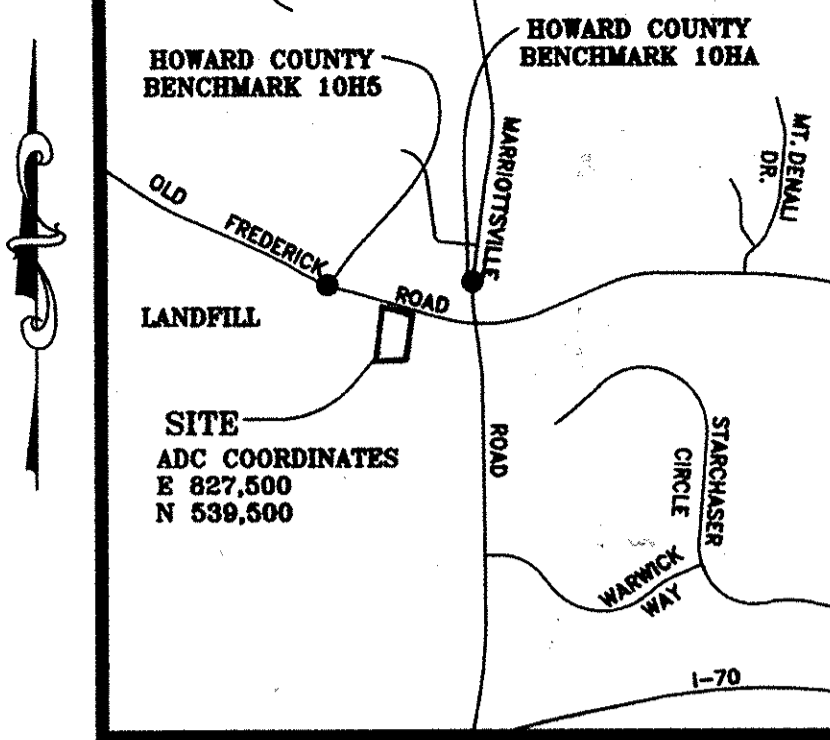
TEST PIT	EX GROUND	DEPTH	BOTTOM	GROUNDWATER
19000-B-1	517.67	9'	508.67	NONE ENCOUNTERED
19004-B-5	499.72	9'	490.72	NONE ENCOUNTERED

HOWARD COUNTY CONTROL POINTS

NO.	NORTHING	EASTING	ELEVATION
10H5	183246.69376	408222.37246	159.302
10HA	183248.14815	408710.89035	147.494

SITE ANALYSIS DATA CHART

SITE AREA:	0.9335 AC +/-
LIMIT OF DISTURBANCE AREA:	40,664 SF +/-
PRESENT ZONING:	R-20
PROPOSED USE:	RESIDENTIAL
TOTAL NUMBER OF UNITS:	1



ADC MAP NUMBER: 4694
 ADC GRID NUMBER: G10

ADDRESS CHART

LOT/PARCEL #:	STREET ADDRESS
7	11269 OLD FREDERICK RD
PROPOSED SITE IMPROVEMENT: SINGLE FAMILY HOME	

PERMIT INFORMATION CHART

PROJECT	SECTION/AREA	LOT/PARCEL NO.			
PATUXENT VIEW - LOT 7	N/A	7/65			
PLAT # OR L/F	GRID#	ZONING	TAX MAP NO.	THIRD DIST.	CENSUS TRACT
15015/005	22	R20	10	ELECT	6030.00
WATER CODE:	SEWER CODE:				
44-4380	20-4398-D				

SITE PLAN / SEDIMENT AND EROSION PLAN

Drawn: ADT
 Checked: DP/WZ
 Date: FEB 11, 2014
 Project No.: 13-0028
 Scale: AS SHOWN
 Sheet: 1 OF 4

PATUXENT VIEW
 LOT 7
 11269 OLD FREDERICK ROAD
 MARRIOTTVILLE, MD 21104
 TAX MAP 10, PARCEL 65
 3rd Election District Howard County, Maryland

Axiom Engineering Design
 Professional Engineer
 6990 Columbia Gateway Drive, Suite 150, Columbia, Maryland 21046
 Ph: 443-276-6220 Fax: 443-276-6221 W.Zawislak@axiom-ed.com

Office: 443.276.6220
 Fax: 443.276.6221
 info@axiom-ed.com

WALTER G. ZAWISLAK, P.E.
 Professional Engineer
 888 BESTGATE ROAD
 SUITE 411
 ANNAPOLIS, MD 21401
 240-988-0873

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32033, EXPIRATION DATE 06/20/2015

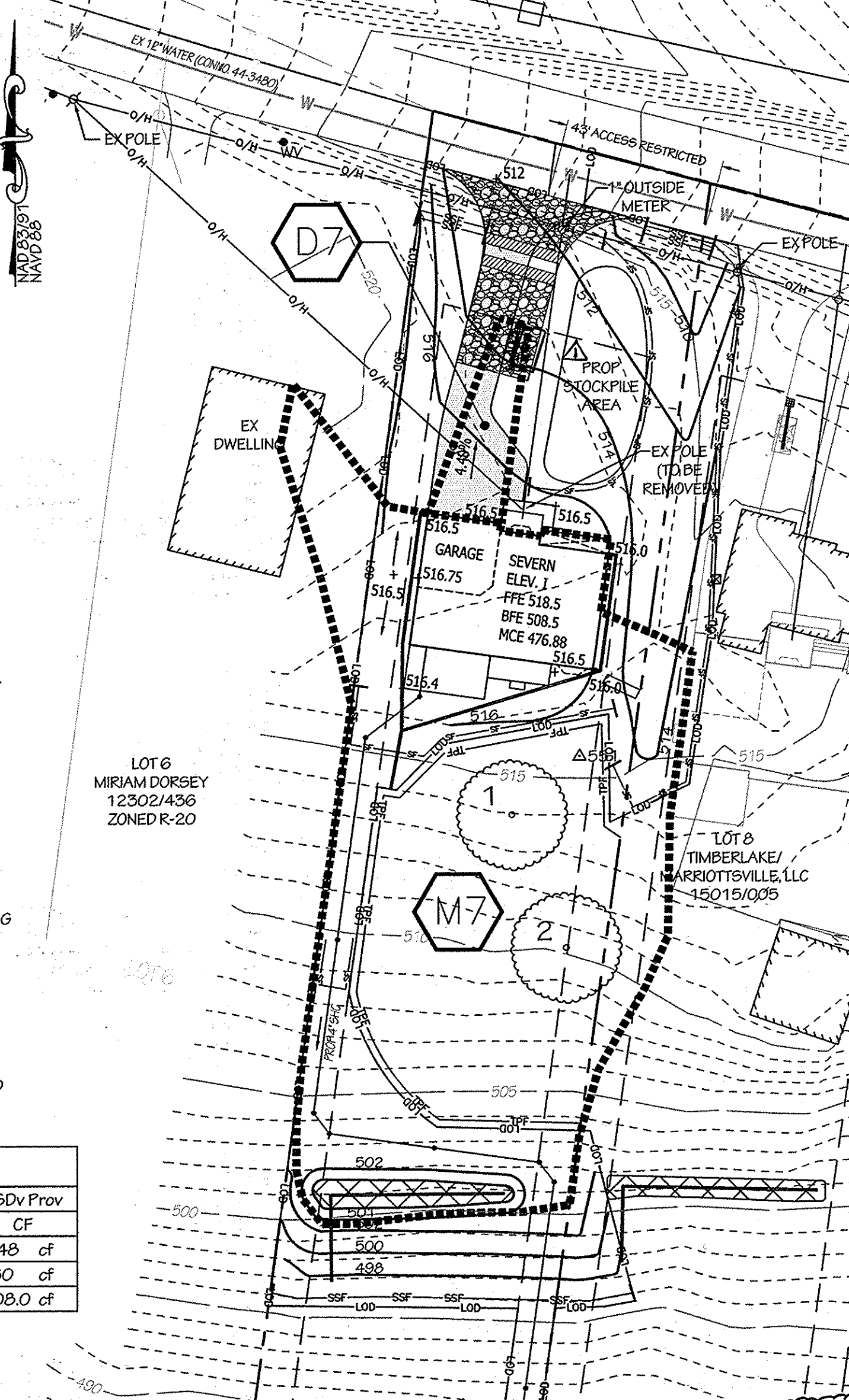
EROSION AND SEDIMENT CONTROL NOTES

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 THERE TO.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A) 3 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 7 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL DISTURBED AREAS MUST BE STABILIZED WITH THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. B-4-5), TEMPORARY SEEDING (SEC. B-4-4) AND MULCHING (SEC. B-4-3). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
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	40664 SF (0.934 AC)
AREA DISTURBED	21294 SF (0.489 AC)
AREA TO BE ROOFED OR PAVED	34396 SF (0.08 AC)
AREA TO BE VEG. STABILIZED	17768 SF (0.408 AC)
TOTAL CUT	1082 CY
OFFSITE WASTE/BORROW LOCATION	396 CY
7. ANY SEDIMENT CONTROL PRACTICE THAT 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 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.
10. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK FILLED AND STABILIZED BY THE END OF EACH WORKDAY, WHICH EVER IS SHORTER.
11. ANY CHANGES OR REVISIONS TO THE SEQUENCE OF CONSTRUCTION MUST BE REVIEWED AND APPROVED BY THE PLAN APPROVAL AUTHORITY PRIOR TO PROCEEDING WITH CONSTRUCTION.
12. A PROJECT IS TO BE SEQUENCED SO THAT GRADING ACTIVITIES BEGIN ON ONE GRADING UNIT (MAXIMUM ACREAGE OF 20 AC. PER GRADING UNIT) AT A TIME. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE ENFORCEMENT AUTHORITY. UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE APPROVAL AUTHORITY, NO MORE THAN 30 ACRES CUMULATIVELY MAY BE DISTURBED AT A GIVEN TIME.
13. A DOUBLE ROW OF "SUPER" SILT FENCE IS TO BE PROVIDED AT THE FRONT OF THE LOT AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR.
14. EITHER TEMPORARY OR PERMANENT STABILIZATION IS TO BE PERFORMED AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR. AT THE TIME MATERIALS REQUIRED BY THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, WHICHEVER IS MORE RESTRICTIVE.

PROPOSED DRAINAGE AREA SUMMARY

DRAINAGE AREA	ACREAGE	RCN	% IMPERVIOUS	SOIL TYPE
D7	0.02 AC	92	84.64%	100% TYPE B SOILS
M7	0.38 AC	66	12.95%	100% TYPE B SOILS



Summary Table Lot 7

Practice	DA Acres	IMP Acres	Pervious Acres	Woods Acres	ESDv Req CF	ESDv Prov CF
Micro-Bioretentation Area (M7)	0.38 ac	0.05 ac	0.33 ac	0 ac	295 cf	448 cf
Drywell (D7)	0.02 ac	0.01 ac	0.01 ac	0 ac	44 cf	60 cf
Total	0.40 ac	0.06 ac	0.34 ac	0.00 ac	339.0 cf	508.0 cf

* ESDv is met therefore CPv, Q10 and Q100 is not required

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

Walter G. Zawislak 2/19/14
DATE

SIGNATURE OF ENGINEER (PRINT NAME BELOW)

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 THE 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.

John M. Roberts 2/24/14
DATE

SIGNATURE OF DEVELOPER

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

John M. Roberts 2/19/14
DATE

HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad Edwards 3-24-14
DATE

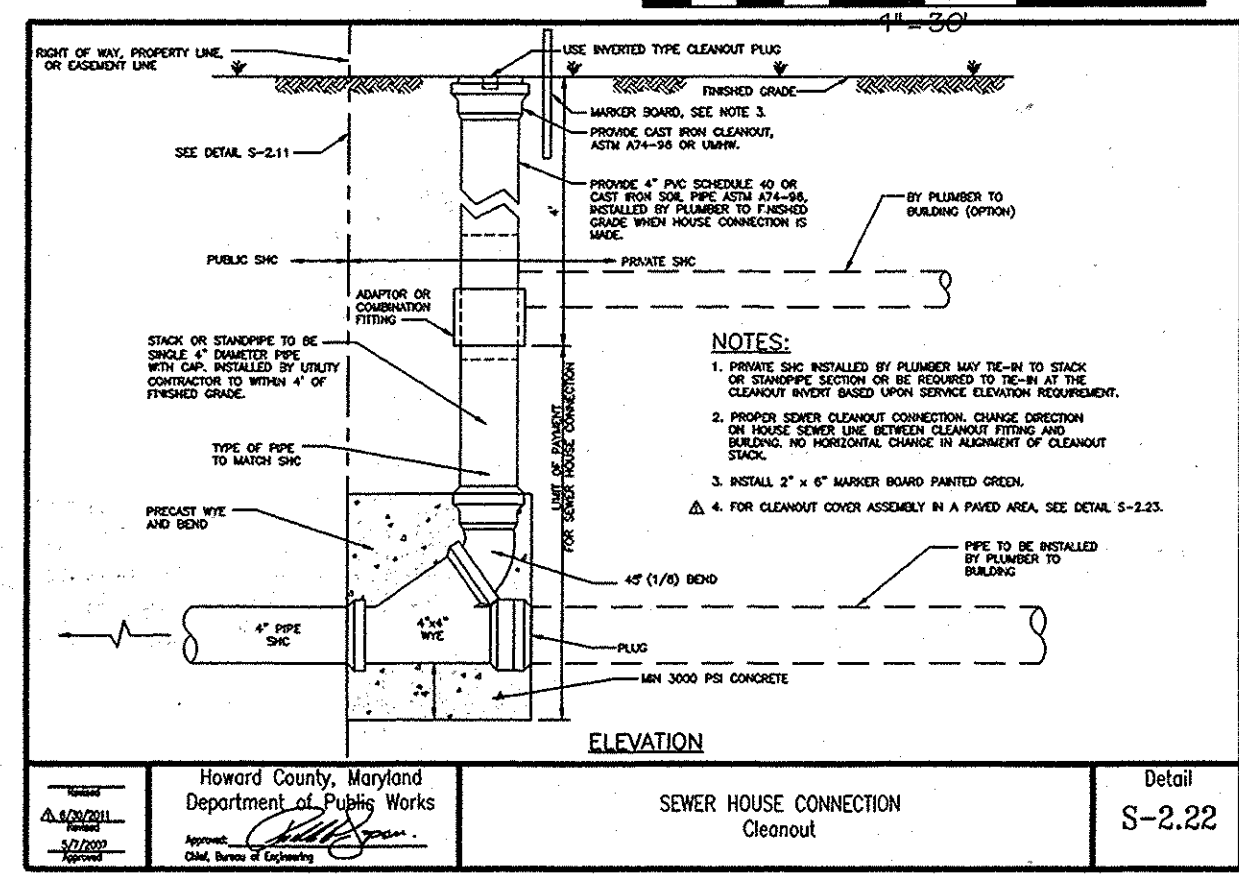
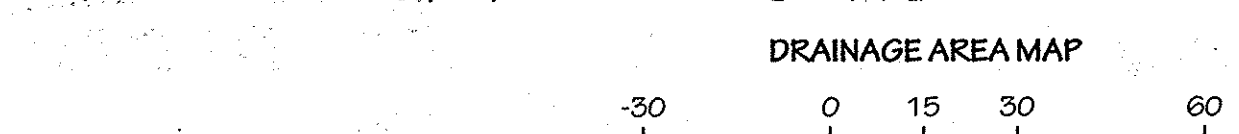
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Kristle Dwyer 3-24-14
DATE

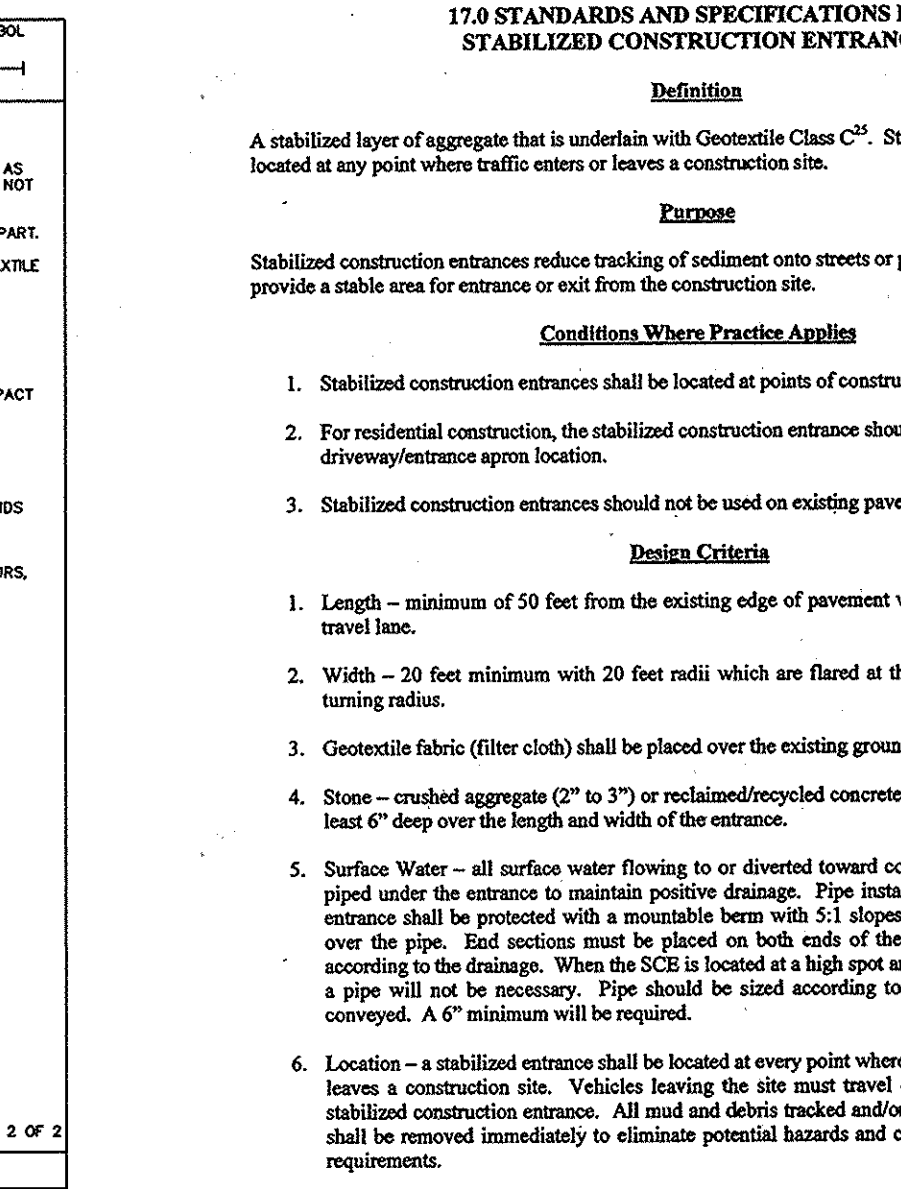
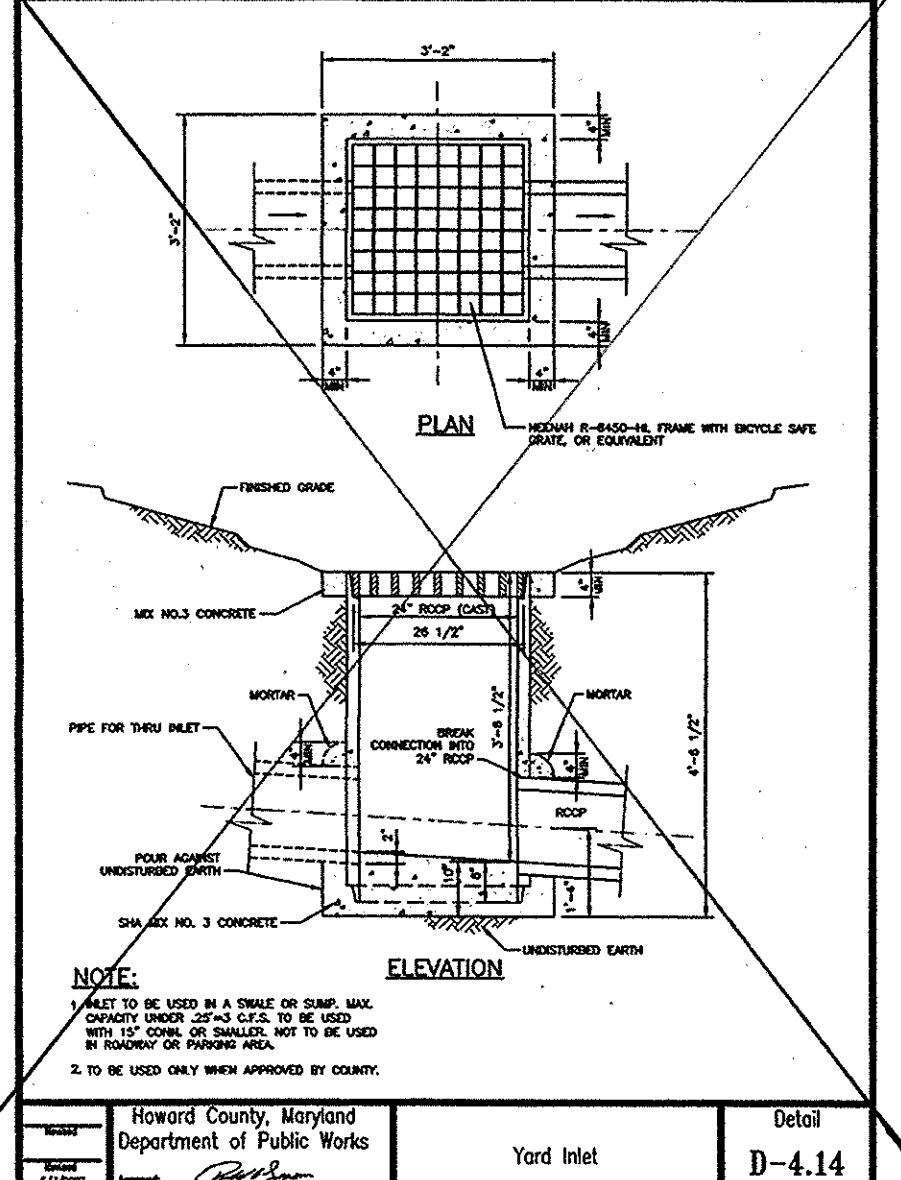
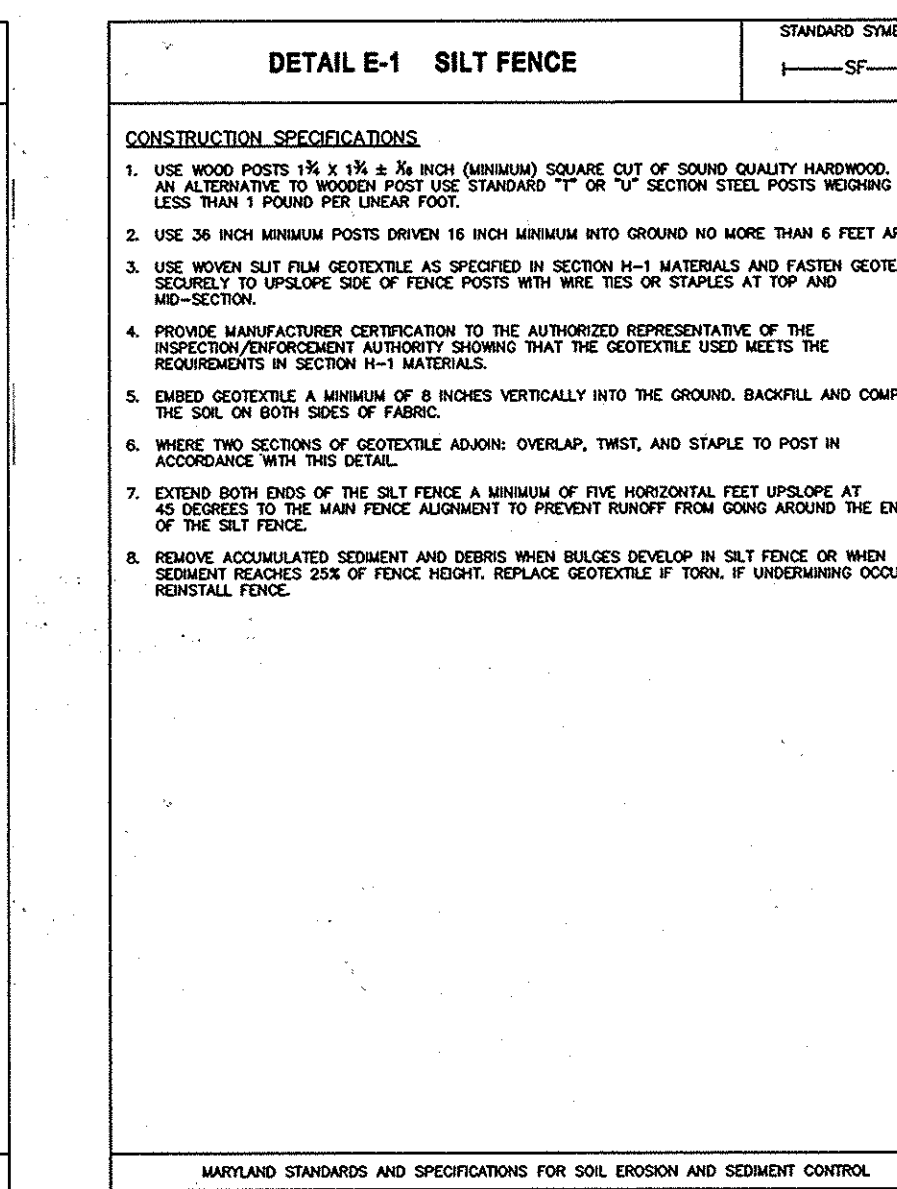
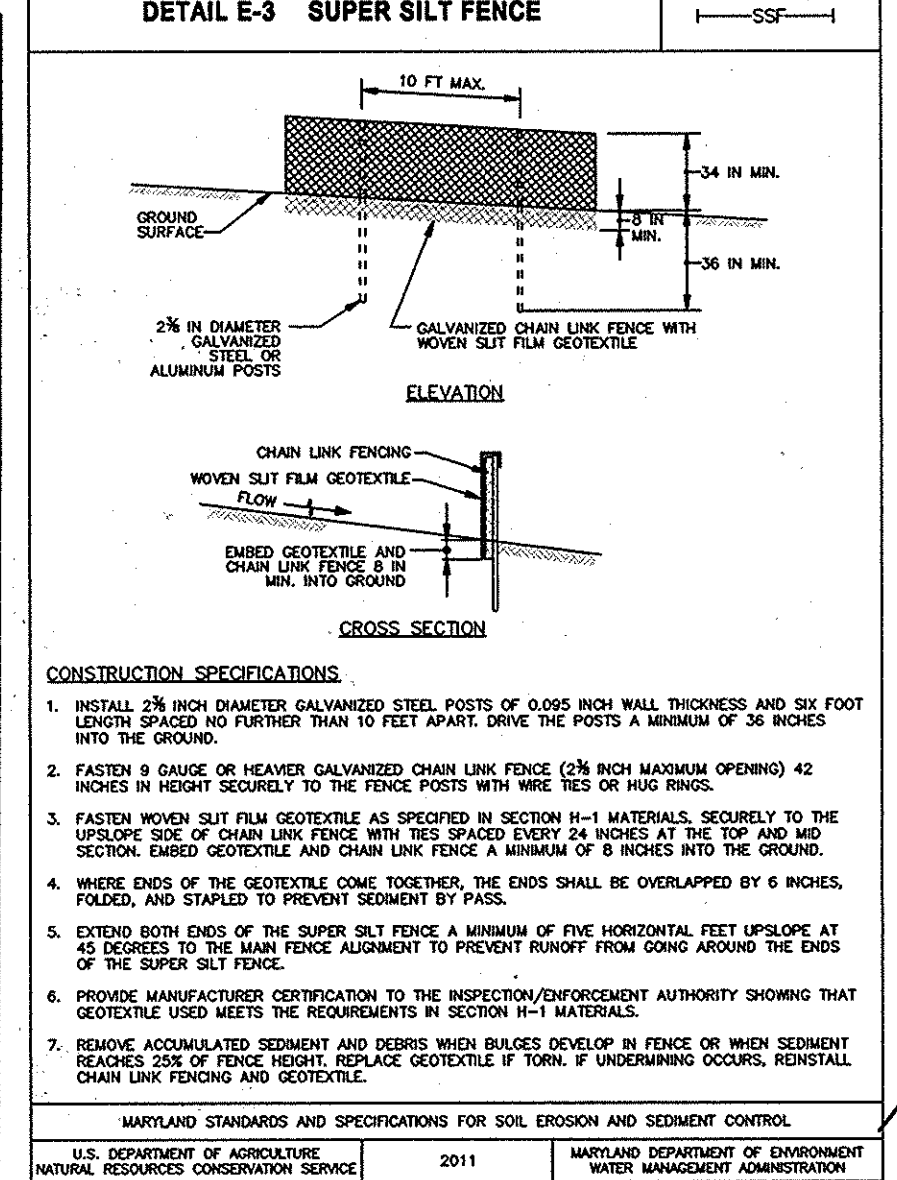
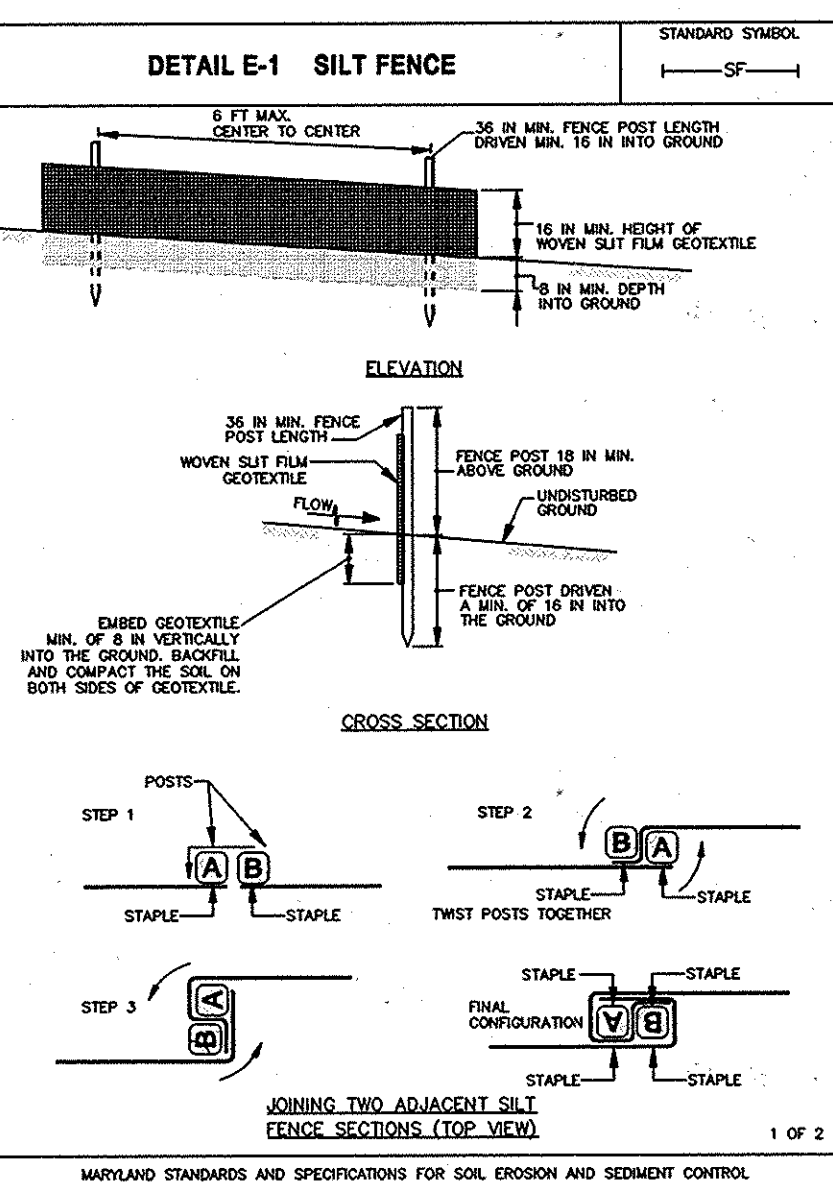
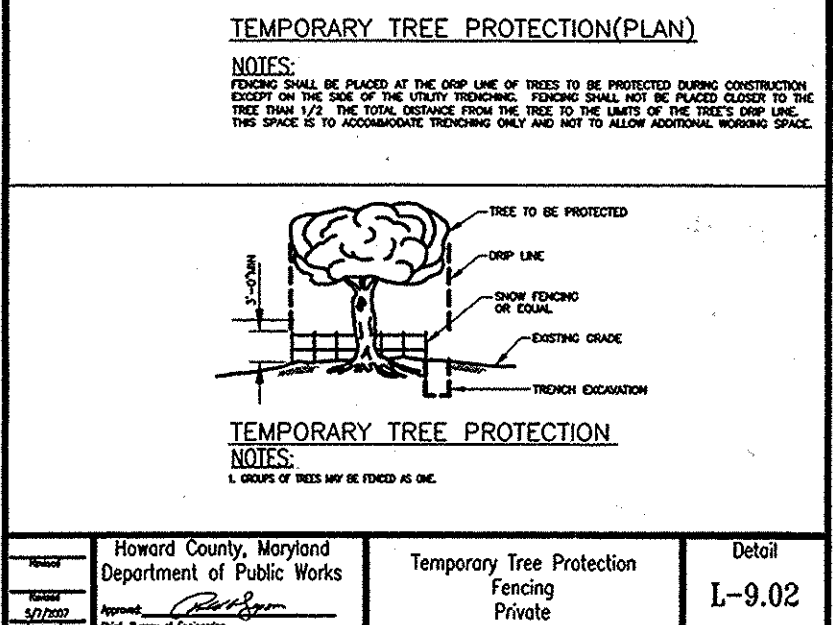
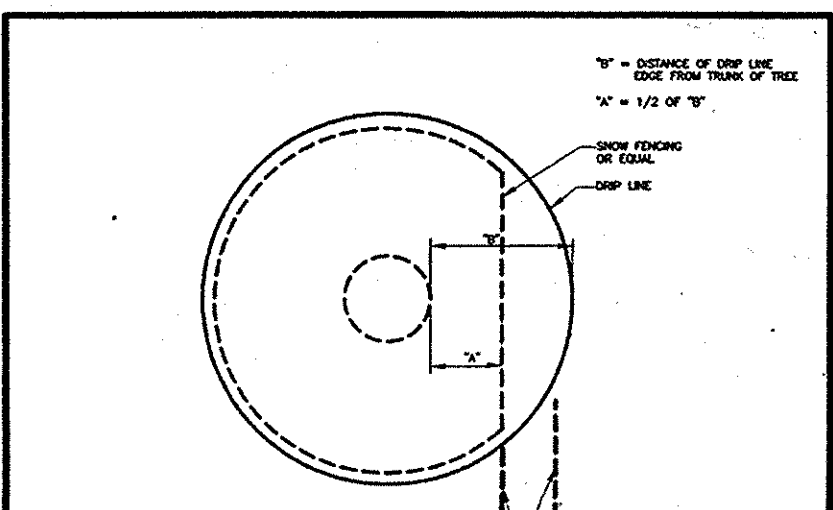
CHIEF, DIVISION OF LAND DEVELOPMENT

David A. Uryla 3/24/14
DATE

DIRECTOR



- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT (7 DAYS)
 2. INSTALL TREE PROTECTIVE FENCING AS SHOWN ON PLAN (2 DAYS)
 3. INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN (7 DAYS)
 4. CLEAR AND GRUB WITHIN LIMITS OF DISTURBANCE (5 DAYS)
 5. APPLY TEMPORARY SEEDINGS (2 DAYS)
 6. CONSTRUCT BUILDING, UTILITIES, AND PAVEMENT (60 DAYS)
 7. INSTALL PERMANENT STORMWATER MEASURES OTHER THAN THE MICRO-BIORETENTION (14 DAYS)
 8. FINE GRADE SITE (5 DAYS)
 9. APPLY PERMANENT SEEDING (2 DAYS)
 10. INSTALL MICRO-BIORETENTION (3 DAYS)
 11. INSTALL PROPOSED LANDSCAPING (7 DAYS)
 12. REMOVE EROSION AND SEDIMENT CONTROL DEVICES AS AREAS ARE STABILIZED AND PERMISSION IS GRANTED FROM SEDIMENT CONTROL INSPECTOR. (7 DAYS)



B-4.8 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA

Definition
A mound or pile of soil protected by appropriately designed erosion and sediment control measures.

Purpose
To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.

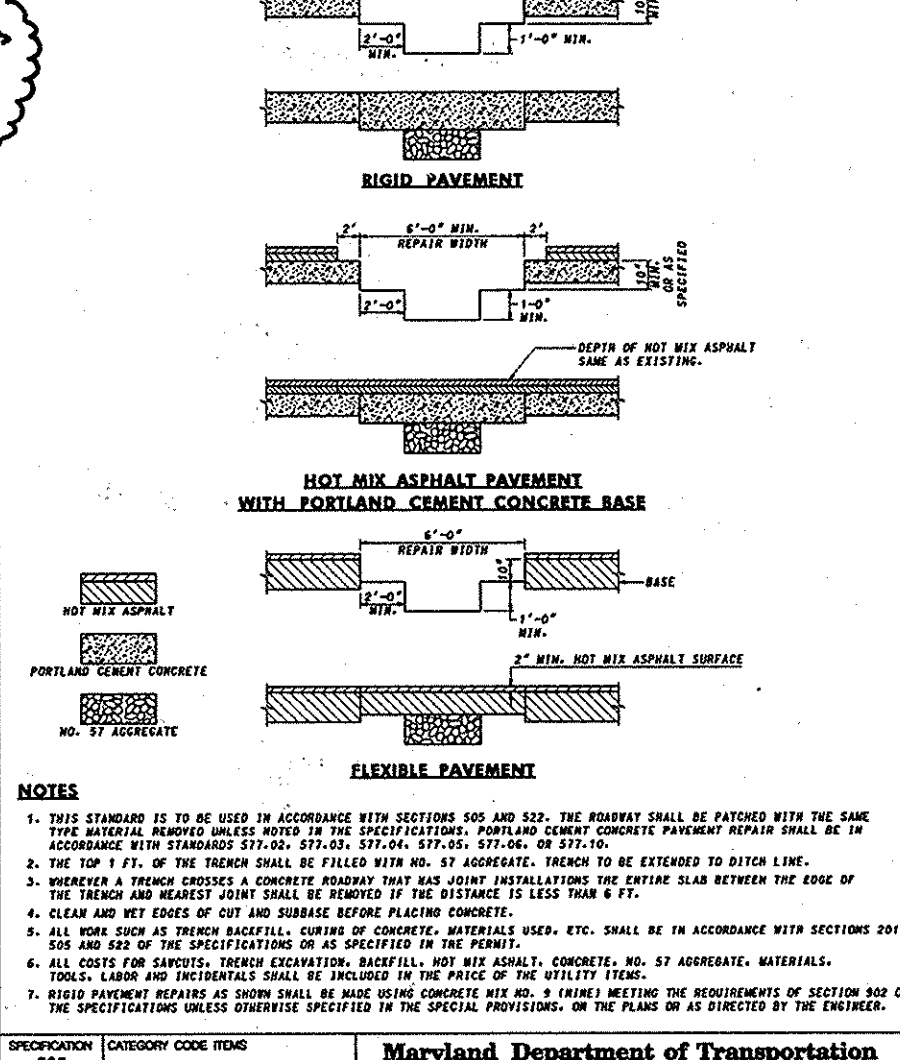
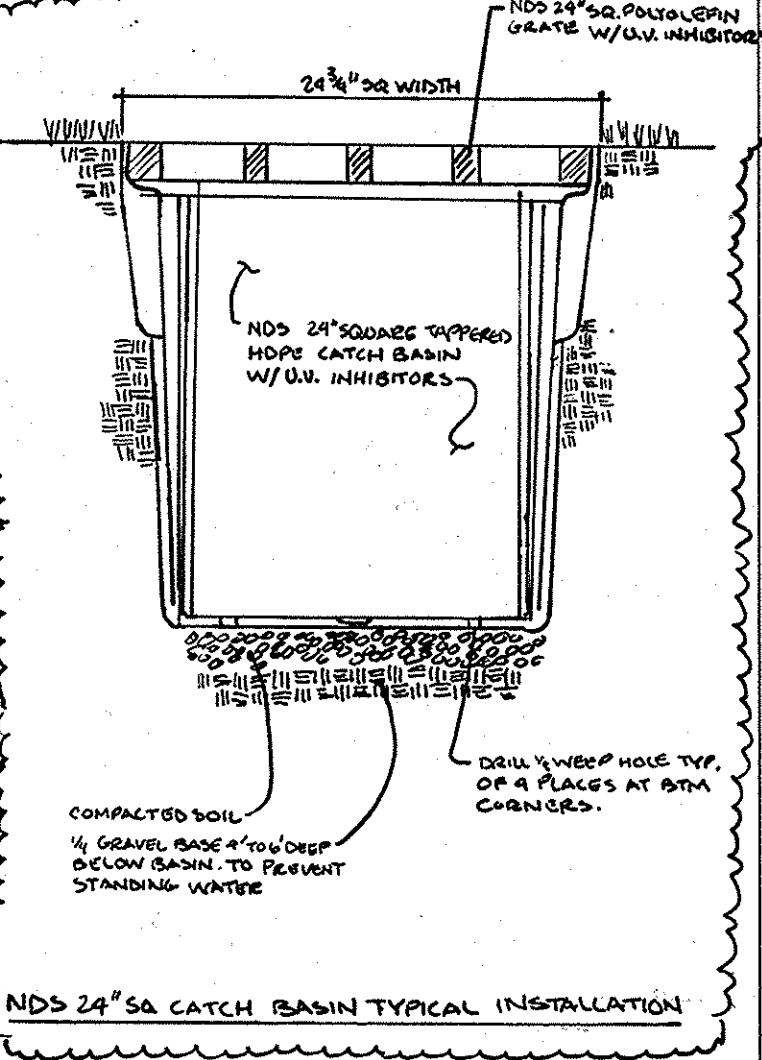
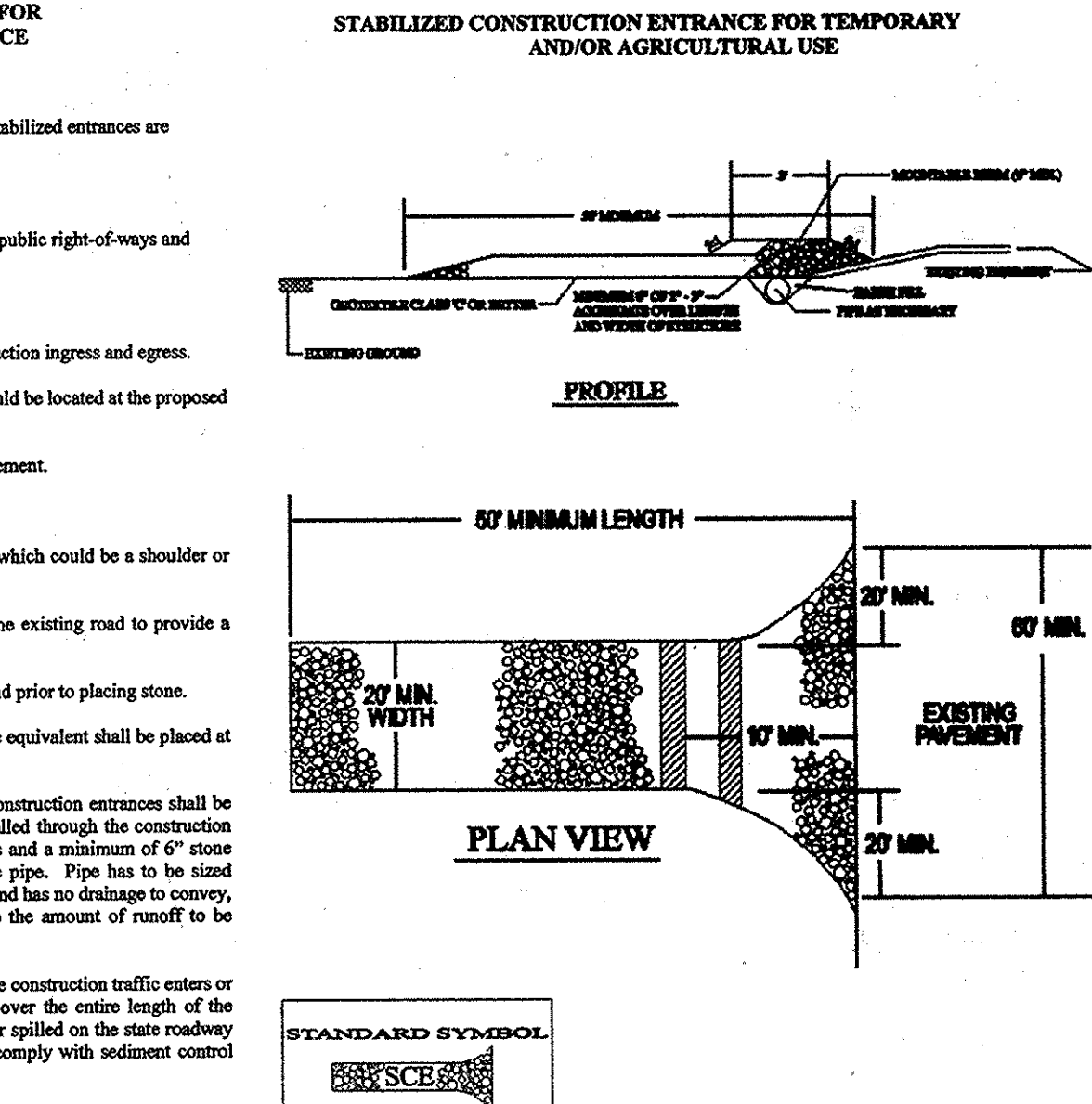
Conditions Where Practice Applies
Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

Criteria

1. The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.
2. The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1. Benching must be provided in accordance with Section B-3 Land Grading.
3. Runoff from the stockpile area must drain to a suitable sediment control practice.
4. Access the stockpile area from the upgrate side.
5. Clear water runoff into the stockpile area must be minimized by use of a diversion device such as an earth dike, temporary swale or diversion fence. Provisions must be made for discharging concentrated flow in a non-erodible manner.
6. Where runoff concentrates along the toe of the stockpile fill, an appropriate erosion/sediment control practice must be used to intercept the discharge.
7. Stockpiles must be stabilized in accordance with the 37 day stabilization requirement as well as Section B-4.1 Incremental Stabilization and Section B-4.4 Temporary Stabilization.
8. If the stockpile is located on an impervious surface, a liner should be provided below the stockpile to facilitate cleanup. Stockpiles containing contaminated material must be covered with impermeable sheeting.

Maintenance
The stockpile area must continuously meet the requirements for Adequate Vegetative Establishment in accordance with Section B-4 Vegetative Stabilization. Side slope must be maintained at no steeper than a 2:1 ratio. The stockpile area must be kept free of erosion. If the vertical height of a stockpile exceeds 20 feet for 2:1 slopes, 30 feet for 3:1 slopes, or 40 feet for 4:1 slopes, benching must be provided in accordance with Section B-3 Land Grading.

B-4.8



MISS UTILITY

811 IN MD OR 1-800-257-7777

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION

REPAIRING PAVEMENT OPENINGS FOR UTILITY TRENCHES

STANDARD NO. MD 578.01

6990 Columbia Gateway Dr, Ste 150
Columbia, Maryland 21046
www.axiom-ed.com

Office: 413.276.8220
Fax: 413.276.8221
info@axiom-ed.com

APPLICANT / OWNER:

TIMBERLAKE/MARRIOTTVILLE, LLC

888 BESTGATE ROAD
SUITE 411
ANNAPOLIS, MD 21401
240-388-0873

WALTER G. ZAWISLAK, P.E.
Professional Engineer
6990 Columbia Gateway Drive, Suite 150, Columbia, Maryland 21046
Cell: 443-276-8220 Fax: 443-276-8221 W.Zawislak@axiom-ed.com

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 32033, EXPIRATION DATE 06/20/2015

ADDRESS CHART

LOT/PARCEL #: 7
STREET ADDRESS: 11268 OLD FREDERICK RD
PROPOSED SITE IMPROVEMENT: SINGLE FAMILY HOME

PERMIT INFORMATION CHART

PROJECT	SECTION/AREA	LOT/PARCEL NO.
PATUXENT VIEW - LOT 7	N/A	7/65
PLAT # OR L/F GRID# ZONING	TAX MAP NO.	ELECT. DIST.
15015/005 22 R20	10	THIRD
WATER CODE:	SEWER CODE:	
44-4380	20-4398-D	

NOTES AND DETAILS

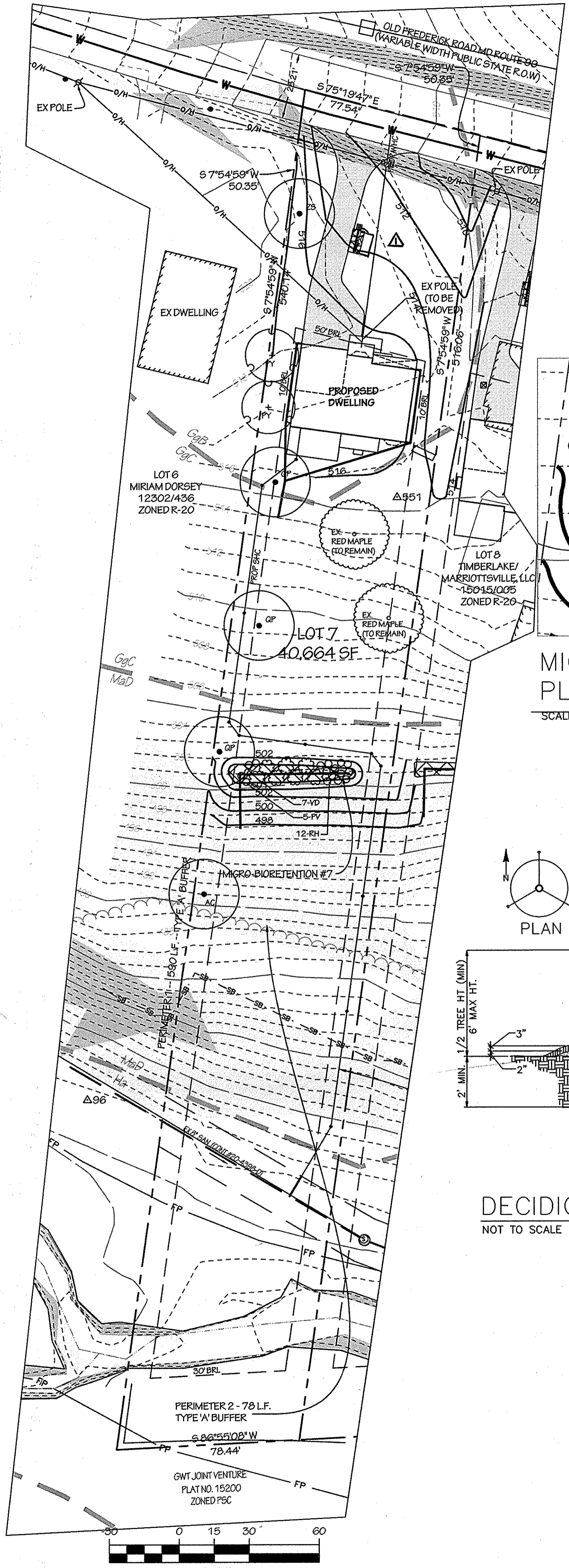
PATUXENT VIEW LOT 7
11268 OLD FREDERICK ROAD
MARRIOTTVILLE, MD 21104
TAX MAP 10, PARCEL 65

3rd Election District Howard County, Maryland

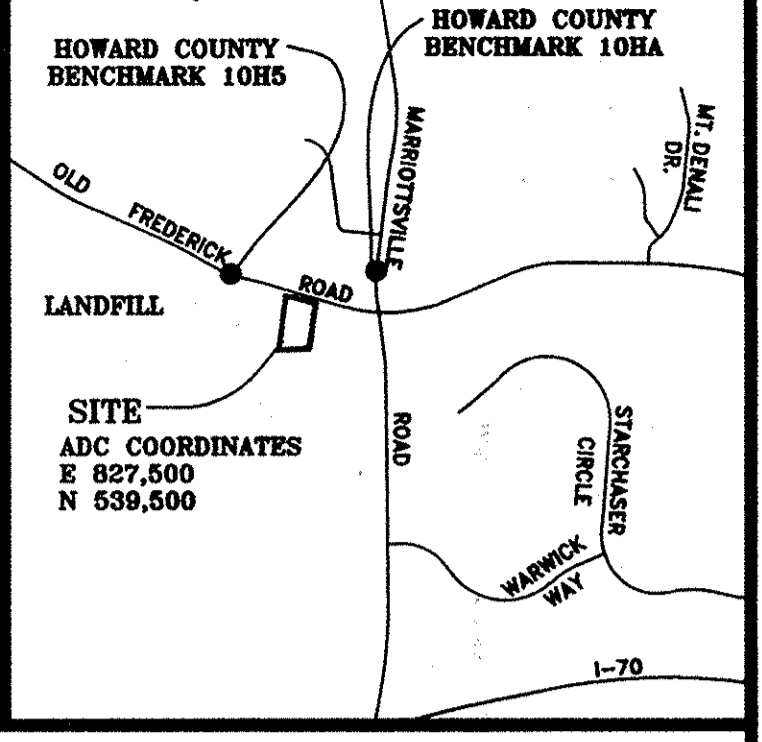
Drawn: ADT
Checked: DP/WZ
Date: FEB. 11, 2014
Project No.: 130028
Scale: AS SHOWN
Sheet: 2 of 4

GENERAL PLANTING NOTES

1. ALL PLANT MATERIAL TO MEET A.A.N. STANDARDS.
2. LANDSCAPE CONTRACTOR TO FOLLOW LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE WASHINGTON METRO APPROVED BY LCAMW.
3. NO SUBSTITUTIONS TO BE MADE WITHOUT CONSENT OF LANDSCAPE ARCHITECT OR OWNER.
4. IN THE EVENT OF VARIATION BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND THE PLANS, THE PLANS SHALL CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES PRIOR TO THE COMMENCEMENT OF WORK. SOD QUANTITY TAKE-OFFS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO BIDDING. THE CONTRACTOR SHALL FURNISH PLANT MATERIAL IN SIZES AS SPECIFIED IN THE PLANT LIST.
5. ALL BEDS TO BE TOPPED WITH THREE INCHES OF HARDWOOD MULCH.
6. LANDSCAPE CONTRACTOR TO VERIFY LOCATION OF UTILITIES WITH OWNERS BEFORE PLANTING.
7. LANDSCAPE ARCHITECT/OWNER SHALL SELECT, VERIFY AND/OR APPROVE ALL PLANT MATERIAL. AT OWNER'S DISCRETION, SPECIMEN AND OTHER PLANT MATERIAL WILL BE SELECTED.
8. LANDSCAPE CONTRACTOR SHALL COORDINATE PLANT BED FILLING OPERATIONS AND PLANT MATERIAL INSTALLATION WITH GENERAL CONTRACTOR AND UTILITIES CONTRACTOR. AT THE TIME OF FINAL INSPECTION WITH ACCEPTANCE, ALL ELECTRIC, WATER, DRAINAGE, AND FOUNTAIN UTILITIES, AS WELL AS ALL PLANT MATERIALS, SHALL REMAIN UNDAUNAGED. LIKEWISE, LANDSCAPE CONTRACTOR AND UTILITIES CONTRACTOR SHALL COORDINATE EFFORTS TO ENSURE THAT SURFACE UTILITIES ARE AT THE PROPER ELEVATION RELATIVE TO FINAL GRADES.
9. CONTRACTOR SHALL NOTIFY MISS UTILITY 72 HOURS PRIOR TO CONSTRUCTION.
10. THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
11. TOPSOIL MIX
 - A. PLANTING MIX SHALL BE PREPARED AT APPROVED ON-SITE STAGING AREA USING APPROVED ON-SITE EXISTING SOIL. MIX MINIMUM QUANTITIES OF 20 CUBIC YARDS OR SUFFICIENT MIX FOR ENTIRE JOB IF LESS THAN 20 CUBIC YARDS IS REQUIRED.
 - B. THOROUGHLY MIXED IN THE FOLLOWING PROPORTIONS FOR TREE AND SHRUB PLANTING MIX: .5 CY EXISTING SOIL, .2 CY SHARP SAND, .3 CY WOOD RESIDUALS, 4.5 LBS TREBLE SUPERPHOSPHATE, 5 LBS DOLOMITE LIME (ELIMINATE FOR ACID LOVING PLANTS).
 - C. FOR BED PLANTING, SHRUBS AND GROUND COVER SPACES 24 INCHES OR CLOSER, INCORPORATE THE FOLLOWING INGREDIENTS: ER 20 SF AND INCORPORATE INTO TOP 8 INCHES OF EXISTING SOILS BY ROTOTILLING OR SIMILAR METHOD OF INCORPORATION. 2 CY SHARP SAND, .3 CY ORGANIC MATERIAL, 4.5 LBS TREBLE SUPERPHOSPHATE, 5 LBS DOLOMITE LIME (ELIMINATE FOR ACID LOVING PLANTS).
12. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL WITH FIVE (5) SHADE TREES, AND TWO (2) ORNAMENTAL TREES PROVIDED WITH A LANDSCAPE SURETY IN THE AMOUNT OF \$1,800.00.
13. AT THE TIME OF PLANT INSTALLATION, ALL SHRUBS AND TREES LISTED AND APPROVED ON THE LANDSCAPE PLAN, SHALL COMPLY WITH THE PROPER HEIGHT REQUIREMENT IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATIONS OF THE REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THE 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 THE APPLICABLE PLANS.
14. SHOULD ANY TREE DESIGNATED FOR PRESERVATION FOR WHICH LANDSCAPING IS GIVEN, DIE PRIOR TO RELEASE OF BONDS, THE OWNER WILL BE REQUIRED TO REPLACE THE TREE WITH THE EQUIVALENT SPECIES OR WITH A TREE WHICH WILL OBTAIN THE SAME HEIGHT, SPREAD AND GROWTH CHARACTERISTICS. THE REPLACEMENT TREE MUST BE A MINIMUM OF 3 INCHES IN CALIPER AND INSTALLED AS REQUIRED IN THE HOWARD COUNTY LANDSCAPE MANUAL.

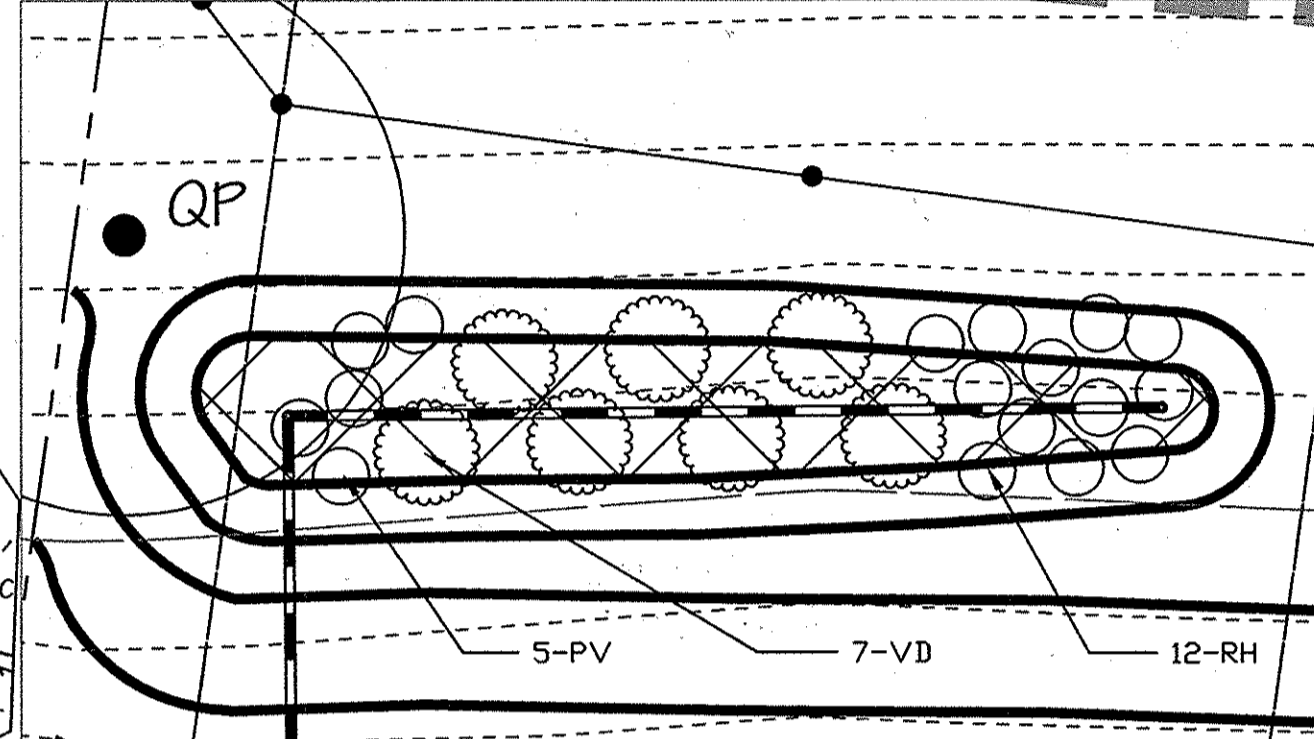
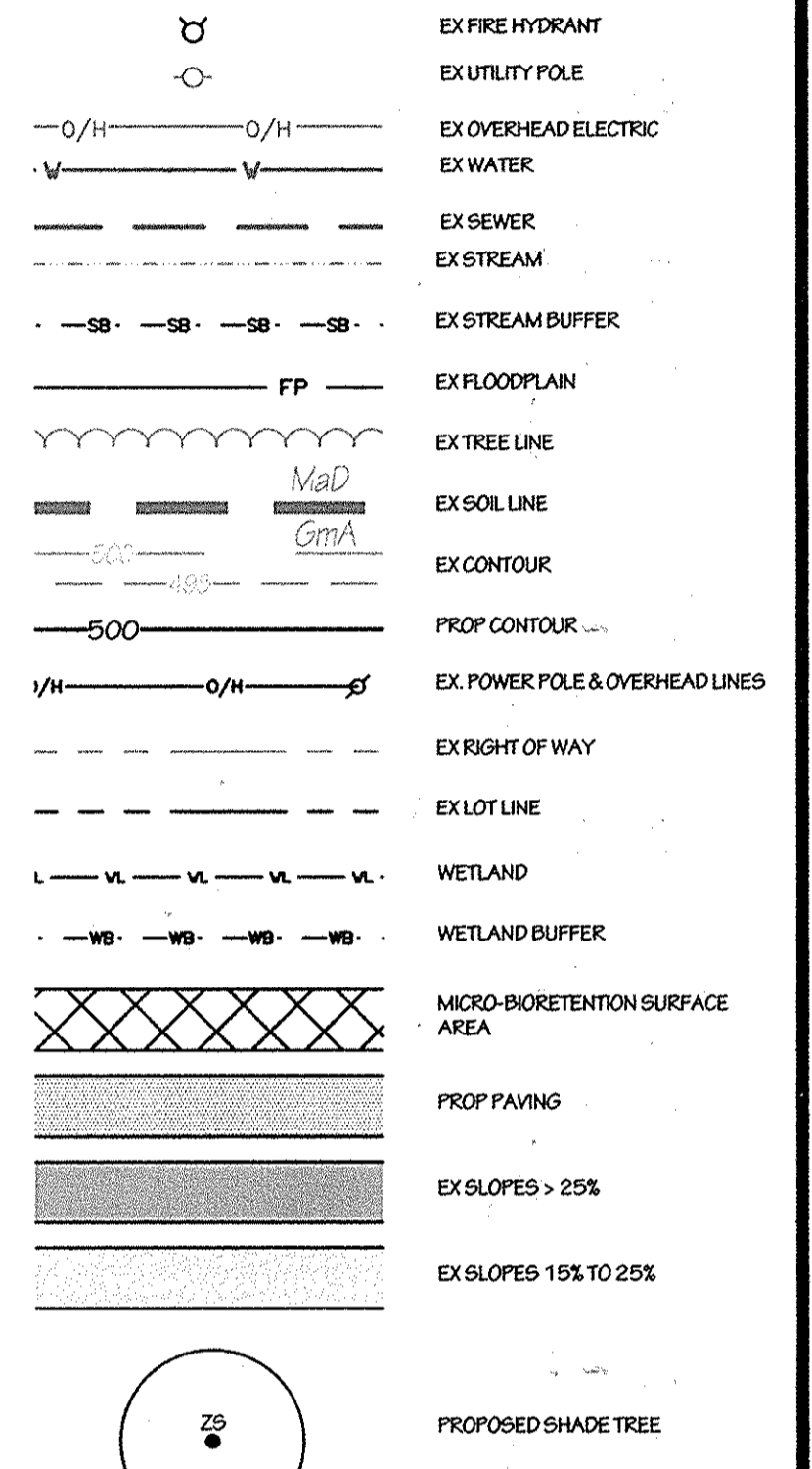


Planting Schedule					
Tree Symbol	Quantity	Botanical Name	Common Name	Size	Comments
QP	3.0000	Quercus phellos	Willow Oak	2-1/2" - 3" Cal.	B&B
ZS	1.0000	Zelkova serrata 'Village Green'	Village Green Zelkova	2-1/2" - 3" Cal.	B&B
AC	1.0000	Amelanchier canadensis	Shadowbloss Serviceberry	8-10' Ht.	Multi-trunk, B&B
PY	2.0000	Prunus yeodensis 'Yoshino'	Yoshino Cherry	1-1/2" - 2" Cal.	
Micro Bioretention Plant List					
VD	7.0000	Viburnum dentatum	Arrowwood Viburnum	3 Gal.	5' o.c., Cont.
PV	5.0000	Panicum virgatum	Switchgrass	3 Gal.	24" o.c.
RH	12.0000	Rudbeckia hirta	Black Eyed Susan	1 Gal.	18" o.c.



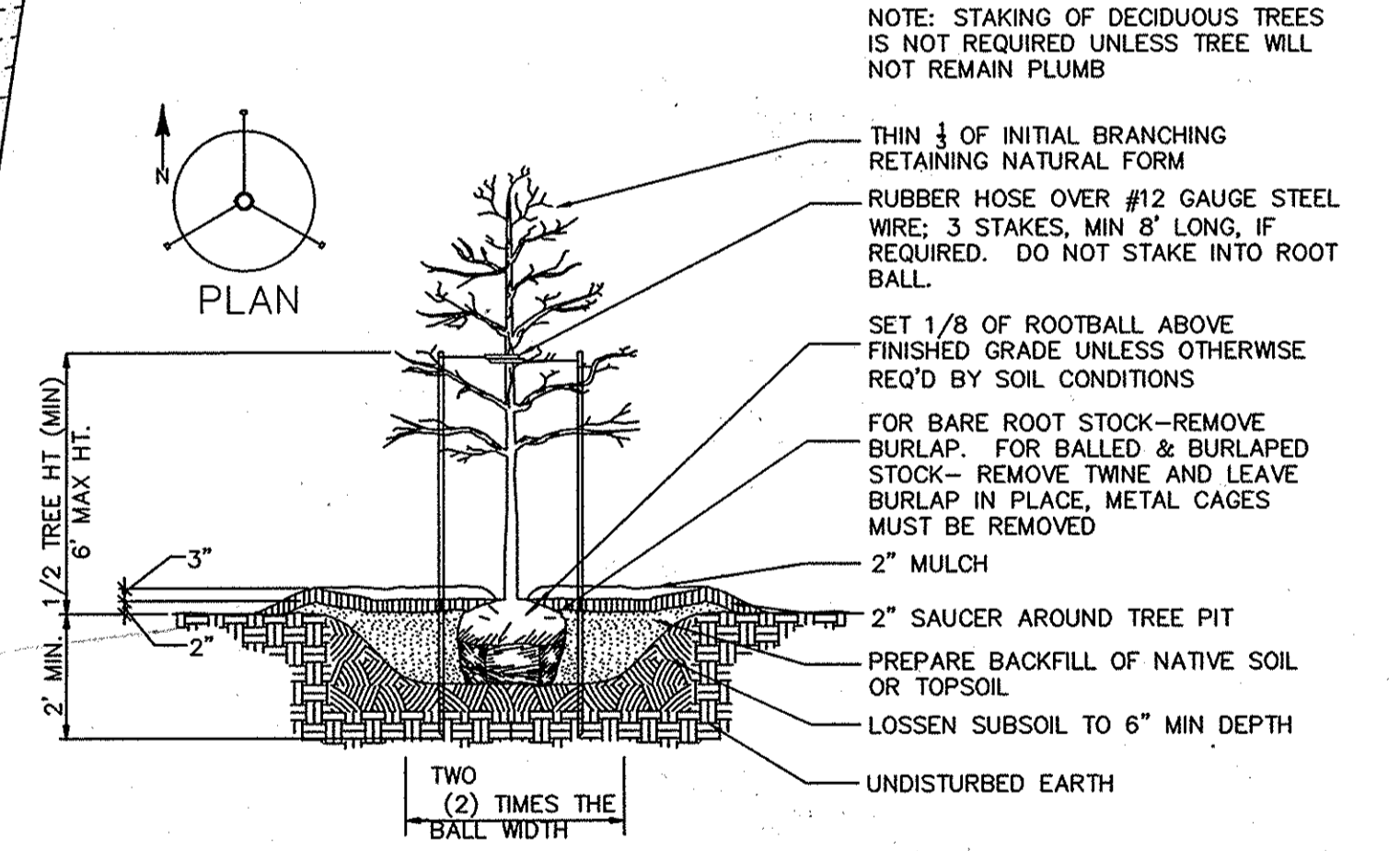
VICINITY MAP
1"=2000'

LEGEND

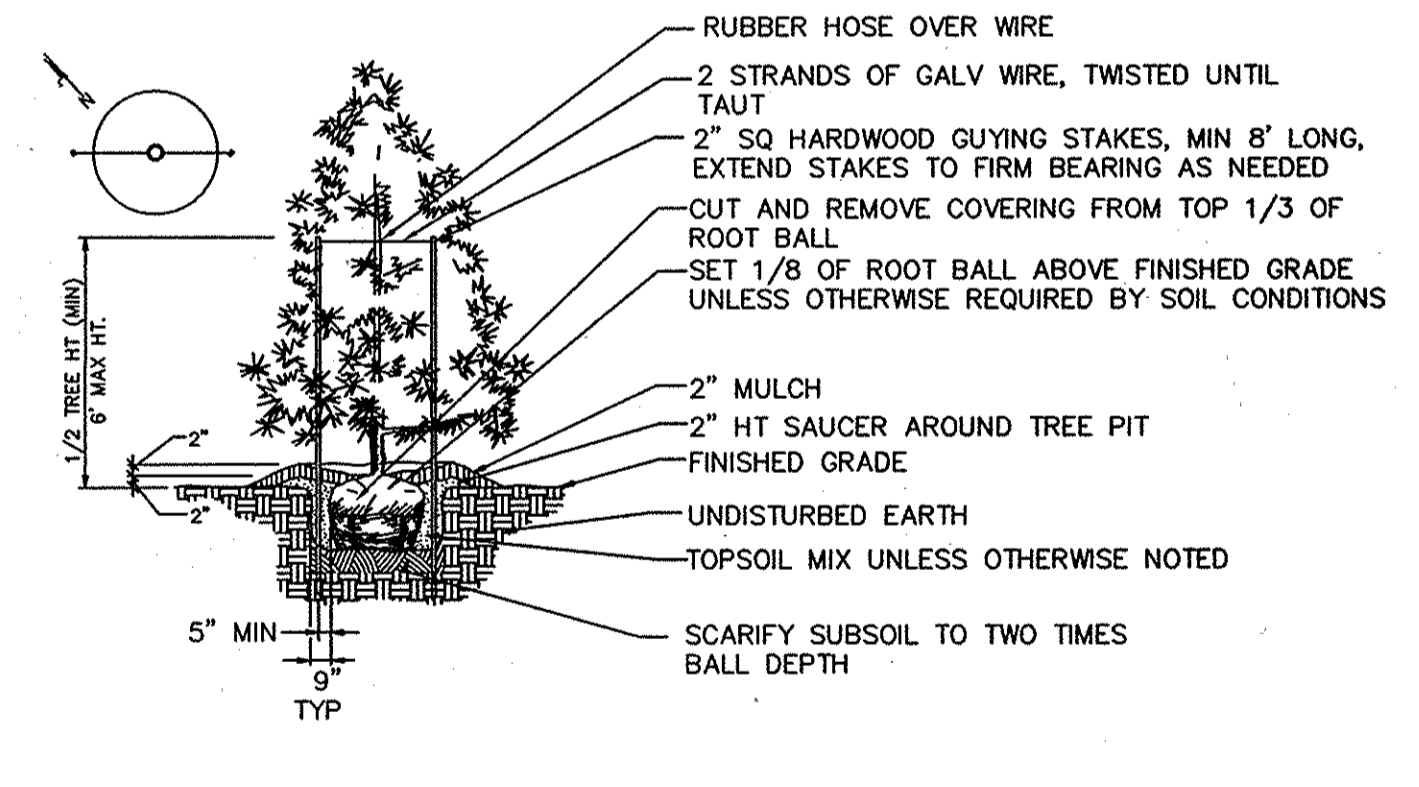


MICRO BIORETENTION PLANTING DETAIL
SCALE: 1" = 1'-10"

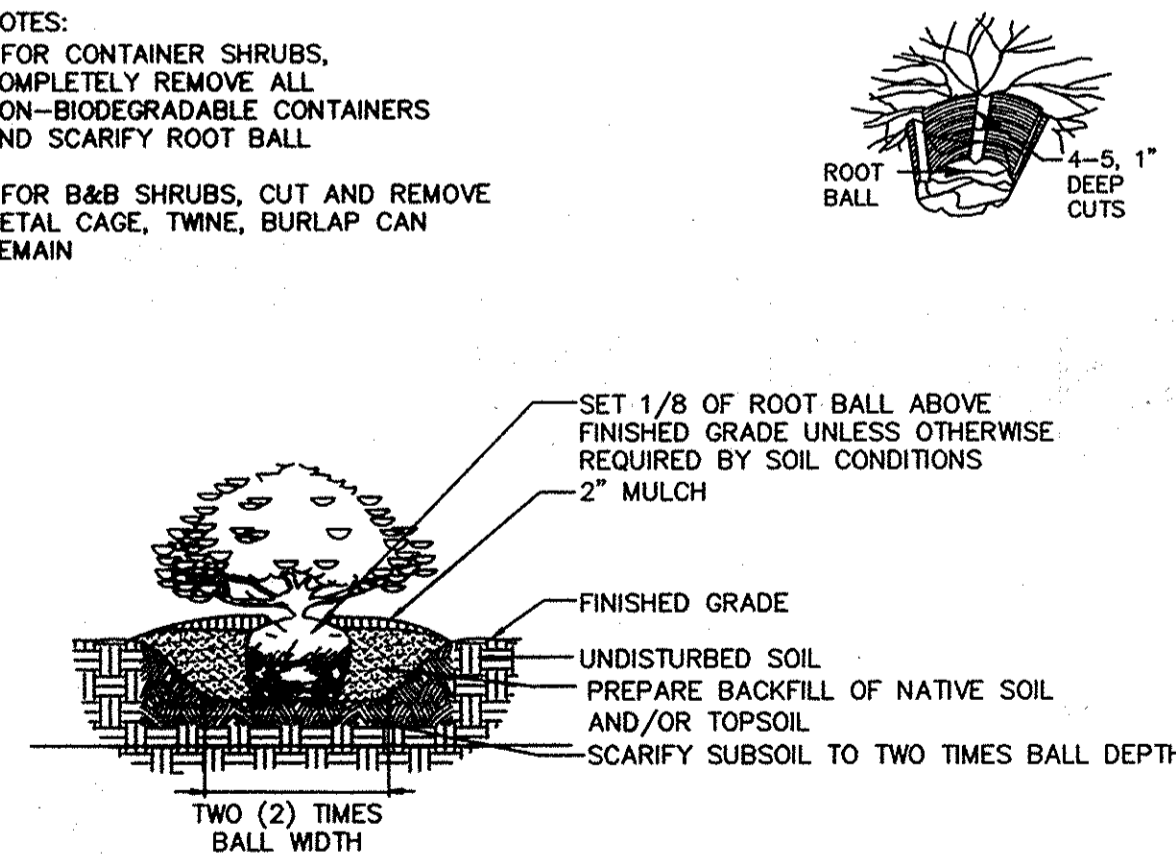
Schedule A -- Perimeter Landscape Edge			
Category	Adjacent to Perimeter Properties		
Perimeter	1.0000	2.0000	
Landscape Type 'A' 1 Shade Tree Per 60 L.F.	590 L.F.	78 L.F.	
Credit for Ex. Vegetation (Yes, No, Linear Feet) (Describe Below if Needed)	Yes, 236 L.F.	YES, 78 L.F.	
Credit for Wall, Fence, or Berm (Yes, No, Linear Feet) (Describe Below if Needed)	No	No	
No. of Plants Required:			Plant Totals:
Shade Trees	6.0000	0	6 Shade Trees
Evergreen Trees	0.0000	0.0000	0 Evg. Trees
Shrubs	0.0000	0.0000	0 Shrubs
No. of Plants Provided:			
Shade Trees	5.0000	0	5 Shade Trees
Evergreen Trees	0.0000	0.0000	0
Other Trees	2.0000	0.0000	2 Other Trees
Shrubs	0.0000	0.0000	0 Shrubs



DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



SHRUB PLANTING DETAIL
NOT TO SCALE

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 TREES 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.

NAME: *[Signature]* DATE: 2/24/14

REVISION			
DATE	BY	RELOCATED DEWELL	
8/29/14	LBD	AND CHANGE INLET TO CATCH BASIN	

APPLICANT/OWNER:

TIMBERLAKE/MARRIOTTVILLE, LLC
888 BESTGATE ROAD
SUITE 411
ANNAPOLIS, MD 21401
240-388-0873

ADDRESS CHART					
LOT/PARCEL #:	7				
STREET ADDRESS	11269 OLD FREDERICK RD				
PROPOSED SITE IMPROVEMENT:	SINGLE FAMILY HOME				
PERMIT INFORMATION CHART					
PROJECT	PATUXENT VIEW - LOT 7	SECTION/AREA	N/A	LOT/PARCEL NO.	7/65
PLAT # OR L/F	GRID#	ZONING	TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
15015/005	22	R20	10	THRD	6030.00
WATER CODE:	SEWER CODE:				
44-4380	20-4399-D				

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad Edwards 3-24-14
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Walt Stenhouse 3-24-14
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Frank A. Kelly 3/24/14
DIRECTOR DATE

Axiom Engineering Design
Civil Engineering Land Surveying Landscape Architecture Land Planning
6950 Columbia Gateway Dr, Ste 150 Columbia, Maryland 21046
Office: 443.276.6220 Fax: 443.276.6221
www.axiom-ed.com info@axiom-ed.com

Shanda N. Gibbs
LeShanda N. Gibbs, RLA
Registered Landscape Architect
6990 Columbia Gateway Drive, Suite 150, Columbia, Maryland 21046
Ph: 443-276-6220 Fax: 443-276-6221 S.Gibbs@axiom-ed.com

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED AND/OR APPROVED BY ME, AND THAT I AM DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 3444, EXPIRATION DATE 12/31/2015

LANDSCAPE PLAN & DETAILS
PATUXENT VIEW LOT 7
11269 OLD FREDERICK ROAD
MARRIOTTVILLE, MD 21104
TAX MAP 10, PARCEL 65

3rd Election District: Howard County, Maryland

Drawn: LNS
Checked: WZ
Date: 2.11.14
Project No.: 13-0028
Scale: 1" = 32'
Sheet: 4 OF 4