

LEGEND

PROPERTY LINE	
PROPOSED SEPTIC SYSTEM	
SILT FENCE	SF — SF — SF
SUPER SILT FENCE	SSF — SSF — SSF
DIVERSION FENCE	DF — DF — DF
LIMIT OF DISTURBANCE	LOD — LOD — LOD
(PASSED) PERCOLATION TEST SITE:	
(FAILED) PERCOLATION TEST SITE:	
EXISTING WELL:	
PROPOSED HOUSE SITE:	
PROPOSED WELL SITE:	
EXISTING TREELINE	
EXISTING MONOCULTURE SHRUBBERY	
EXISTING TREE	
STABILIZED CONSTRUCTION ENTRANCE	
DRAINAGE DIVIDE	
SOIL LINE	
EXISTING O/H UTILITY LINES & POLES	
EXISTING UTILITY PADS	

SITE ANALYSIS DATA SHEET

	ACRES
PROPOSED SITE USE	RESIDENTIAL
WETLANDS	0.00
WETLANDS BUFFER	0.00
FLOODPLAIN	0.00
FORESTS	0.00
STEEP SLOPES (15-24%)	0.00
STEEP SLOPES (25% OR GREATER)	0.00
TOTAL PROJECT AREA	7.94
LOD AREA	1.94
GREEN OPEN SPACE AREA	0.00
EX. IMPERVIOUS AREA	0.00
PROP. IMPERVIOUS AREA	0.33
HIGHLY ERODIBLE SOILS IN PROJECT AREA	0.00

SOIL LEGEND

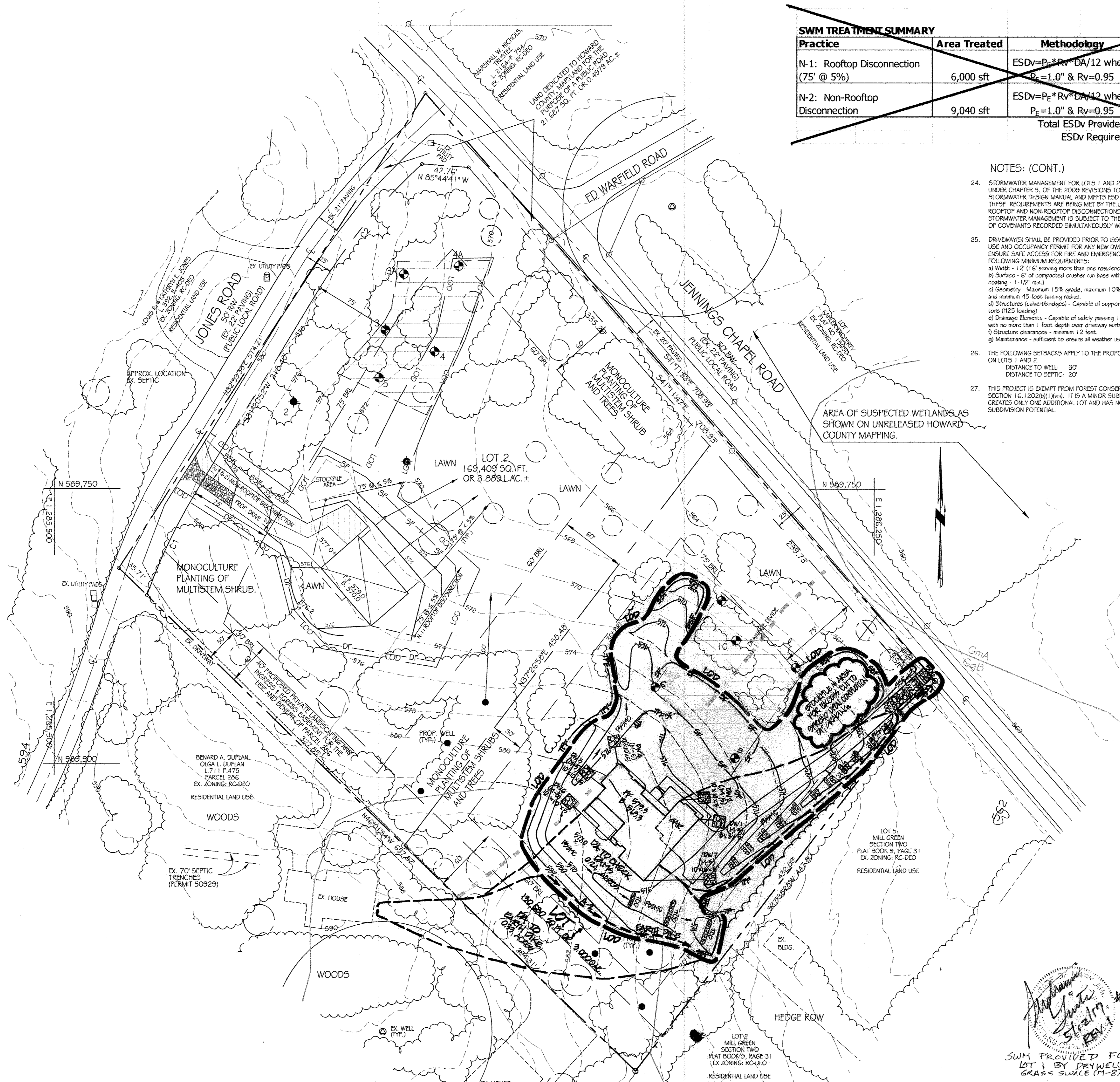
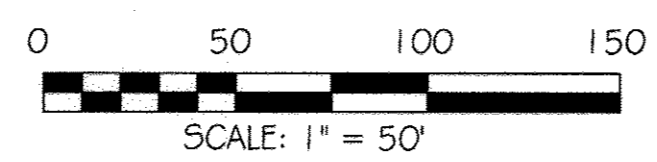
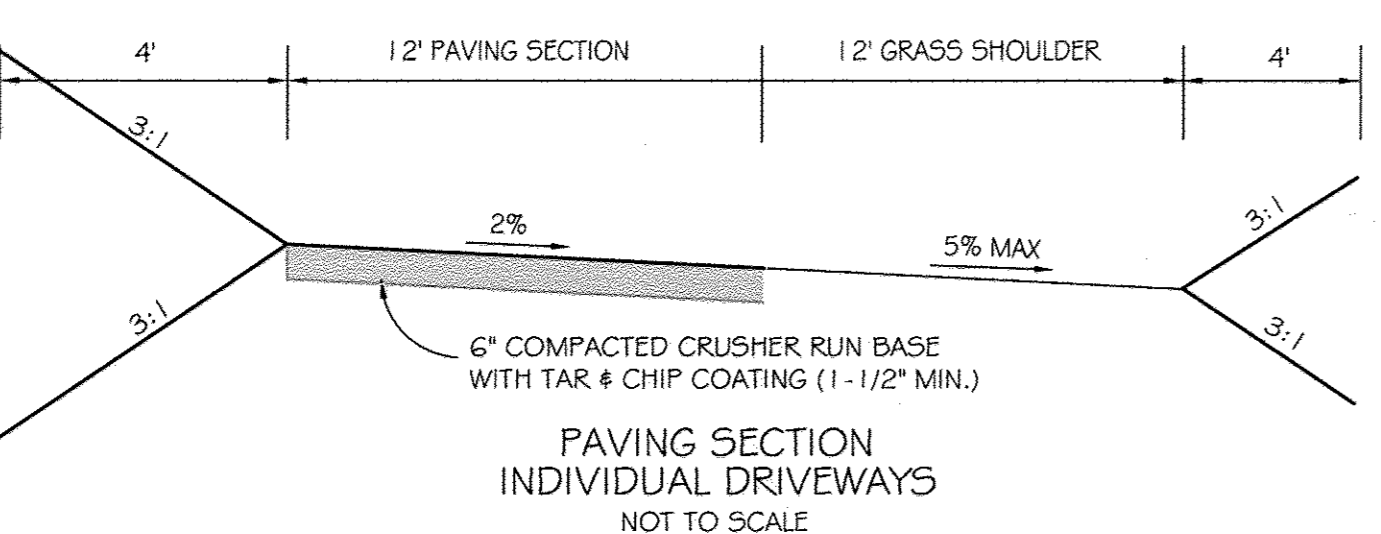
MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC COMPONENTS	Kw	SLOPE
GgA	GLENELG loam	B	NO	0.20	0-3%
GgB	GLENELG loam	B	NO	0.20	3-6%

HOWARD COUNTY SOILS MAP NO. 7

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

John K. Blawie 7/31/14
 APPROVED
 HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 8/28/14

8/2/14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE



SWM TREATMENT SUMMARY

Practice	Area Treated	Methodology	Volume (ESDv)
N-1: Rooftop Disconnection (75' @ 5%)	6,000 sft	ESDv = P _r * R _r * DA/12 where P _r = 1.0" & R _v = 0.95	475 cft
N-2: Non-Rooftop Disconnection	9,040 sft	ESDv = P _e * R _v * DA/12 where P _e = 1.0" & R _v = 0.95	653 cft
Total ESDv Provided =			1,128 cft
ESDv Required =			1,128 cft

- NOTES: (CONT.)**
- STORMWATER MANAGEMENT FOR LOTS 1 AND 2 IS PROVIDED UNDER CHAPTER 5, OF THE 2009 REVISIONS TO THE 2000 MD STORMWATER DESIGN MANUAL AND MEETS ESD TO THE MFP. THESE REQUIREMENTS ARE MET BY THE USE OF ROOFTOP AND NON-ROOFTOP DISCONNECTIONS. ALL ONLOT STORMWATER MANAGEMENT IS SUBJECT TO THE DECLARATION OF COVENANTS RECORDED SIMULTANEOUSLY WITH THE PLAT.
 - DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCIES PER TO FOLLOWING MINIMUM REQUIREMENTS:
 - Width - 12' (16' serving more than one residence).
 - Surface - 6" of compacted crusher run base with tar and chip coating - 1-1/2" min.
 - Geometry - Maximum 15% grade, maximum 10% grade change and minimum 45-foot turning radius.
 - Structures (culverts/bridges) - Capable of supporting 25 gross tons (125 loading).
 - Drainage Elements - Capable of safely passing 100 year flood with no more than 1 foot depth over driveway surface.
 - Structure clearances - minimum 12 feet.
 - Maintenance - sufficient to ensure all weather use.
 - THE FOLLOWING SETBACKS APPLY TO THE PROPOSED HOUSES ON LOTS 1 AND 2:
 - DISTANCE TO WELL: 30'
 - DISTANCE TO SEPTIC: 20'
 - THIS PROJECT IS EXEMPT FROM FOREST CONSERVATION PER SECTION 16.1 (2020)(1)(iv). IT IS A MINOR SUBDIVISION THAT CREATES ONLY ONE ADDITIONAL LOT AND HAS NO FURTHER SUBDIVISION POTENTIAL.

- GENERAL NOTES:**
- OWNER: BERNARD A. DUPLAN 4 OLGA L. DUPLAN
 DEED REFERENCE: LIBER 1102 AT FOLIO 002
 DATE: MAY 14, 1962
 GRANOR: PAUL KOVAL 4 DOROTHY KELLY KOVAL
 - TAX MAP: 13 GRID: 22 PARCEL: 87
 - NEAREST POTABLE WATER SUPPLY: MT. AIRY DISTANCE: 6 MILES ±
 - THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM. FLOOD INSURANCE RATE MAP: COMMUNITY PANEL NO. 24027C004D.
 - THE EXISTING TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY VANMAR ASSOCIATES, INC. DATED OCTOBER 29, 2013.
 - THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83) PER HOWARD COUNTY SURVEY CONTROL STATIONS 13HA N 589.956.1613 E 1289564.8263 13HC N 589.119.3143 E 1286752.3633 DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
 - THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - SOIL TYPE: GLENELG LOAM (GgA), (GgB)
 SOILS MAP NO. 7
 - THE SUBJECT PROPERTY IS ZONED RC-DEO IN ACCORDANCE WITH THE OCTOBER 6, 2013 COMPREHENSIVE ZONING REGULATIONS.
 - ANY CHANGES TO A PRIVATE SEPTIC AREA WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - THERE ARE NO HISTORIC STRUCTURES, CEMETERIES OR ENVIRONMENTAL FEATURES FOUND ON THIS PROPERTY.
 - NO ENVIRONMENTAL FEATURES EXIST WITHIN THE LOD.
 - NO SPECIMEN TREES ARE PROPOSED FOR REMOVAL.
 - DEVELOPER RESERVES UNTO ITSELF, ITS SUCCESSORS AND ASSIGNS, ALL EASEMENTS SHOWN ON THIS PLAN FOR WATER, SEWER, STORM DRAINAGE, OTHER PUBLIC UTILITIES LOCATED IN, ON, OVER AND THROUGH LOTSPARCELS. ANY CONVEYANCES OF THE AFORESAID LOTSPARCELS SHALL BE SUBJECT TO THE EASEMENTS HEREIN RESERVED, WHETHER OR NOT EXPRESSLY STATED IN THE DEED CONVEYING SAID LOTSPARCELS. DEVELOPER SHALL EXECUTE AND DELIVER DEEDS FOR THE EASEMENTS HEREIN RESERVED TO HOWARD COUNTY WITH A METES AND BOUNDS DESCRIPTION. UPON COMPLETION OF THE PUBLIC UTILITIES AND THEIR ACCEPTANCE BY HOWARD COUNTY, THE COUNTY SHALL ACCEPT THE EASEMENTS AND RECORD THE DEEDS OF EASEMENTS IN THE LAND RECORDS OF HOWARD COUNTY.
 - ALL AREAS SHOWN HEREON ARE ± OR ± MORE OR LESS.
 - TOTAL LIMIT OF DISTURBANCE = 1.94 AC.
 - THE PROPERTY IS NOT LOCATED WITHIN THE METROPOLITAN DISTRICT.
 - A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
 - NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.
 - PREVIOUS FILE NUMBERS: ECP-14-036
 - THERE ARE NO STEEP SLOPES, WETLANDS, STREAMS, FLOODPLAINS OR BUFFERS ON THIS SITE.

SHEET INDEX

NO.	TITLE
1	SOILS/TOPOGRAPHY/GRADING/STORMWATER MANAGEMENT
2	SEDIMENT AND EROSION CONTROL NOTES & DETAILS
3	FOREST STAND DELINEATION
4	LANDSCAPE PLAN

John K. Blawie
 8/2/14
 SWM PROVIDED FOR LOT 1 BY DEYWELLS (M-5), GRASS SWALE (M-8)

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. 45203, Expiration Date: 12-20-2014.

7/21/14

SUPPLEMENTAL PLAN
SOILS/TOPOGRAPHY/GRADING/STORMWATER MANAGEMENT
DUPLAN SUBDIVISION
 LOTS 1 & 2

TAX MAP: 13 ELECTION DISTRICT: No. 4 SCALE: 1" = 50'
 GRID NO: 22 HOWARD COUNTY, MARYLAND DATE: JULY, 2014
 PARCEL NO: 87 EX. ZONING: RC-DEO SHEET 1 OF 4

VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2880 (301) 831-5015 (410) 549-2751
 Fax (301) 831-5603 ©Copyright, Latest Date Shown

B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

Definition: The process of preparing the soils to sustain adequate vegetative stabilization.

Purpose: To provide a suitable soil medium for vegetative growth.

Conditions Where Practice Applies: Where vegetative stabilization is to be established.

- Criteria: A. Soil Preparation 1. Temporary Stabilization a. Seeded preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment...

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

Definition: The application of seed and mulch to establish vegetative cover.

Purpose: To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies: To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

- Criteria: A. Seeding 1. Specifications a. All seed must meet the requirements of the Maryland State Seed Law. All seed must be subject to testing by a recognized seed laboratory...

B. Sod: To provide quick cover on disturbed areas (2:1 grade or flatter).

General Specifications 1. Class of turfgrass sod must be Maryland State Certified. Sod labels must be made available to the job foreman and inspector.

- 2. Sod must be machine cut to a uniform soil thickness of 3/4 inch, plus or minus 1/8 inch, at the time of cutting. Measurement for thickness must exclude top growth and thatch.

B-4-4 STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION

Definition: To stabilize disturbed soils with vegetation for up to 6 months.

Purpose: To use fast growing vegetation that provides cover on disturbed soils.

Conditions Where Practice Applies: Exposed soils where ground cover is needed for a period of 6 months or less.

- Criteria: 1. Select one or more of the species or seed mixtures listed in Table B.4.1 for the appropriate Plant Hardiness Zone (from Figure B.3), and enter them in the Temporary Seeding Summary below along with application rates, seeding dates and seeding depths.

Table with 6 columns: No., Species, Application Rate (lb/ac), Seeding Dates, Seeding Depths, and Lime Rate. Includes rows for Annual Ryegrass and Fescue Mixture.

B-4-5 STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

Definition: To stabilize disturbed soils with permanent vegetation.

Purpose: To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

Conditions Where Practice Applies: Exposed soils where ground cover is needed for 6 months or more.

- Criteria: A. Seed Mixtures 1. General Use a. Select one or more of the species or mixtures listed in Table B.5 for the appropriate Plant Hardiness Zone (from Figure B.3) and based on the site condition or purpose found on Table B.2.

B-4-6 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

Definition: To protect disturbed soils from erosion during and at the end of construction.

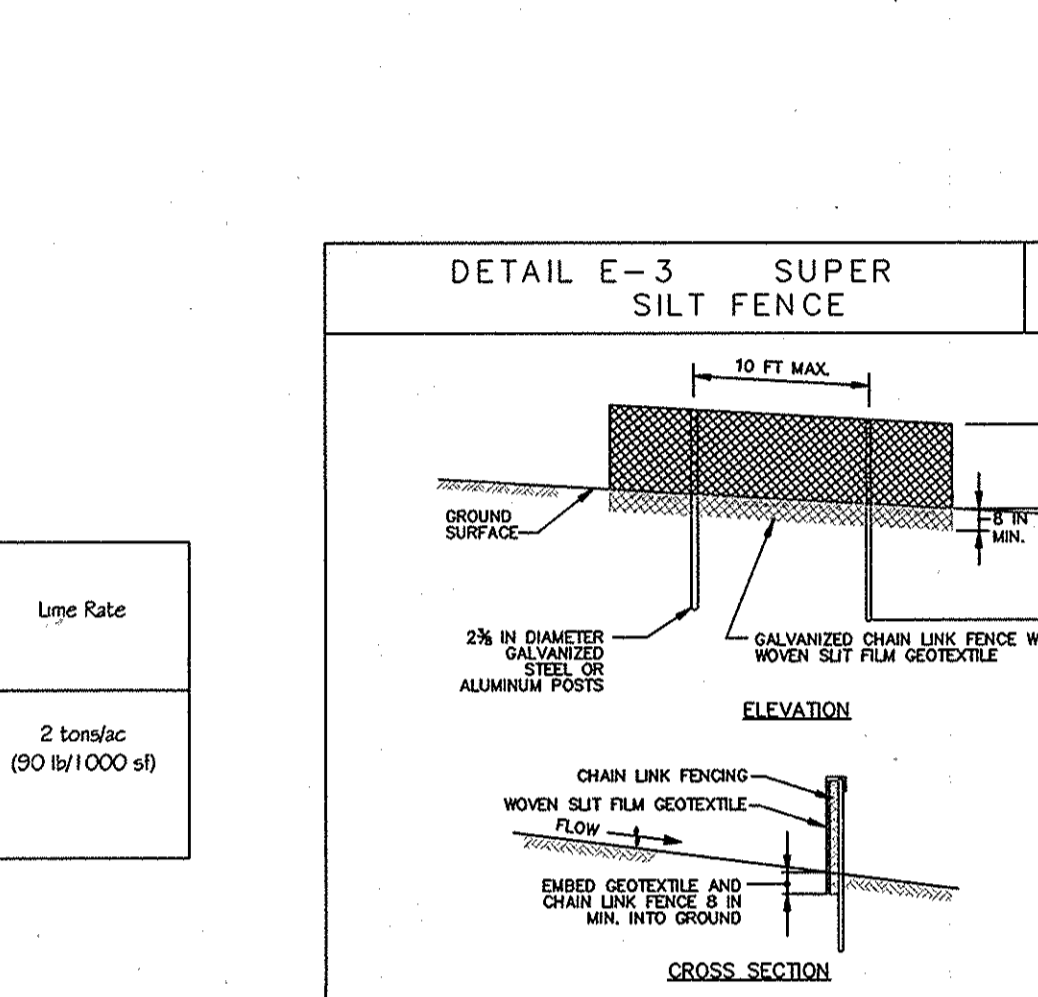
Purpose: To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies: To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

- Criteria: A. Seeding 1. Specifications a. All seed must meet the requirements of the Maryland State Seed Law. All seed must be subject to testing by a recognized seed laboratory.

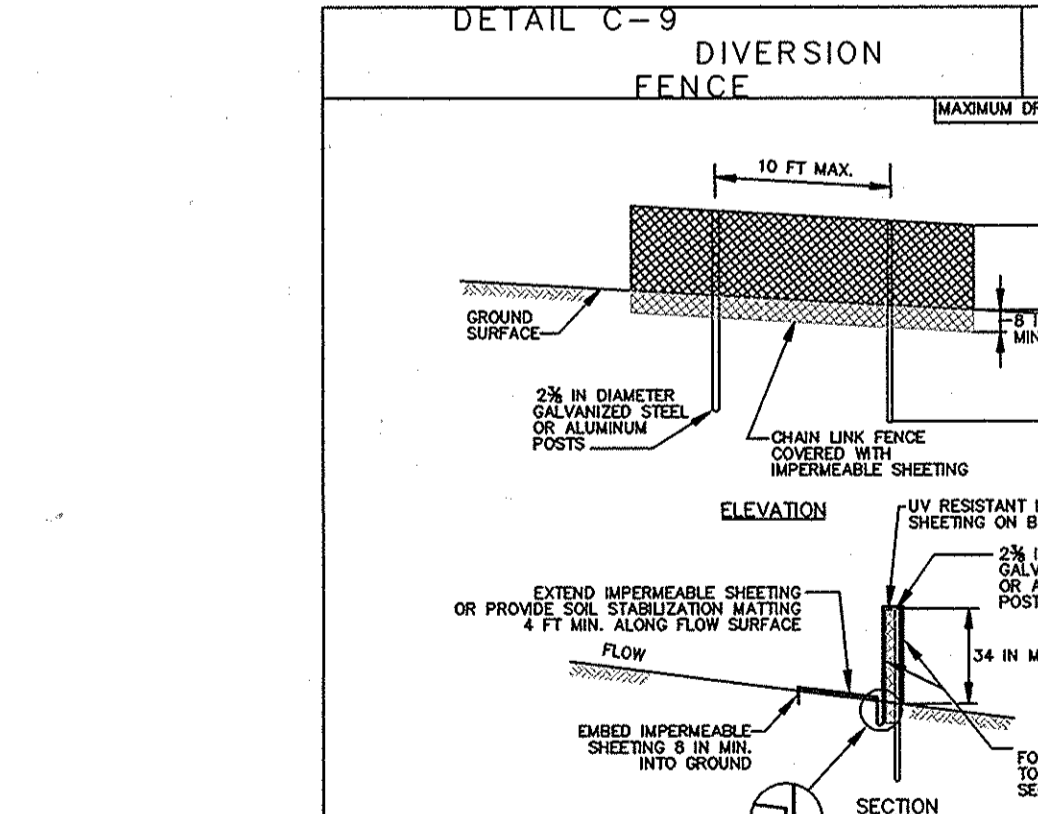
Table with 6 columns: No., Species, Application Rate (lb/ac), Seeding Dates, Seeding Depths, and Lime Rate. Includes rows for Kentucky Bluegrass and Fescue Mixture.

DETAIL E-3 SUPER SILT FENCE



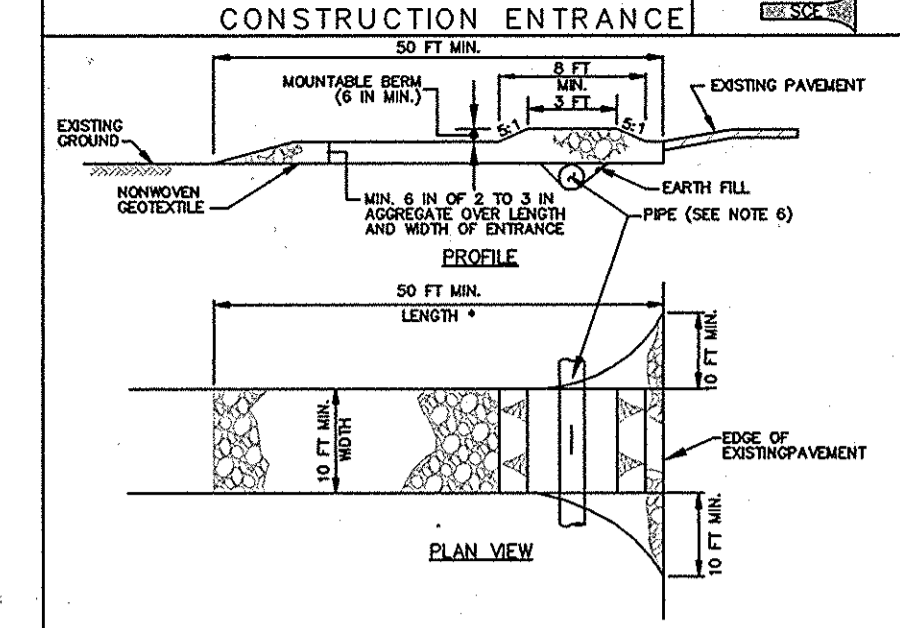
- CONSTRUCTION SPECIFICATIONS 1. INSTALL 2 IN DIAMETER GALVANIZED STEEL POSTS OF 0.005 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART.

DETAIL E-9 DIVERSION FENCE



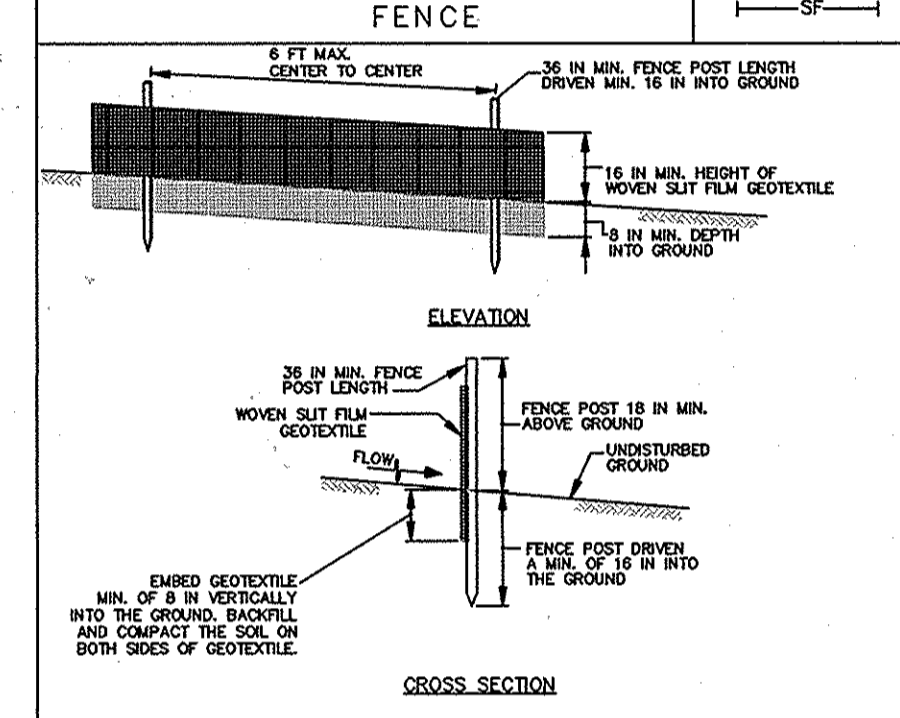
- CONSTRUCTION SPECIFICATIONS 1. USE 42 INCH HIGH, 9 GAUGE OR THICKER CHAIN LINK FENCING (2 1/2 INCH MAXIMUM OPENING).

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE



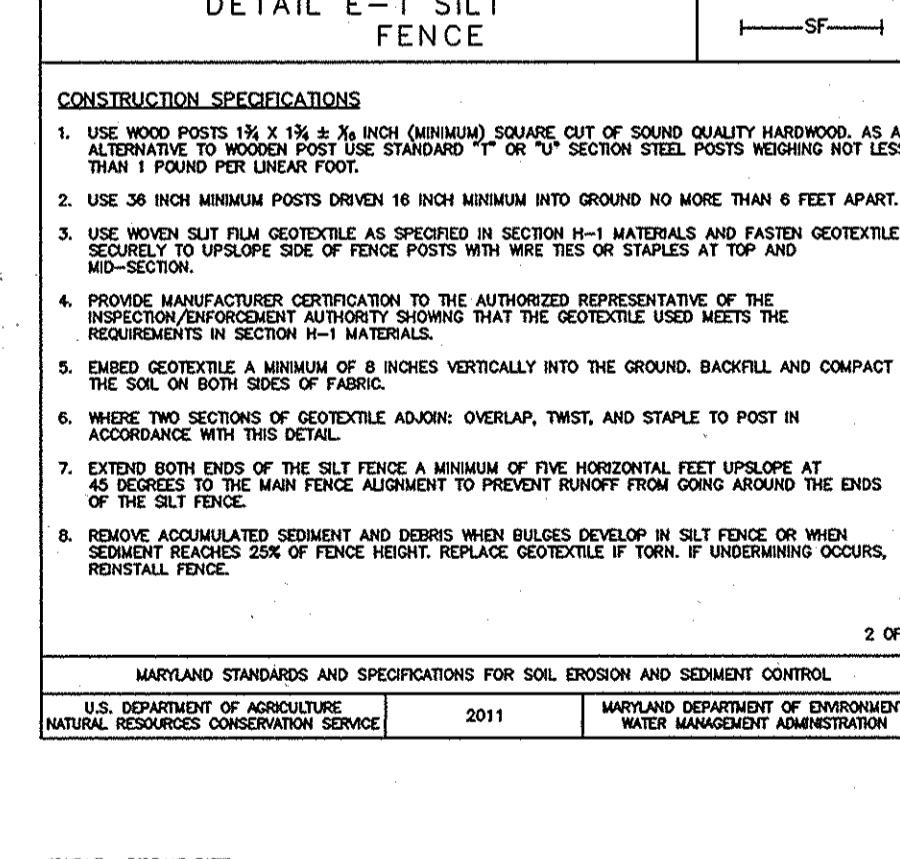
- CONSTRUCTION SPECIFICATIONS 1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. LOCATE BEST TRAVEL OVER THE ENTIRE LENGTH OF THE SITE.

DETAIL E-1 SILT FENCE

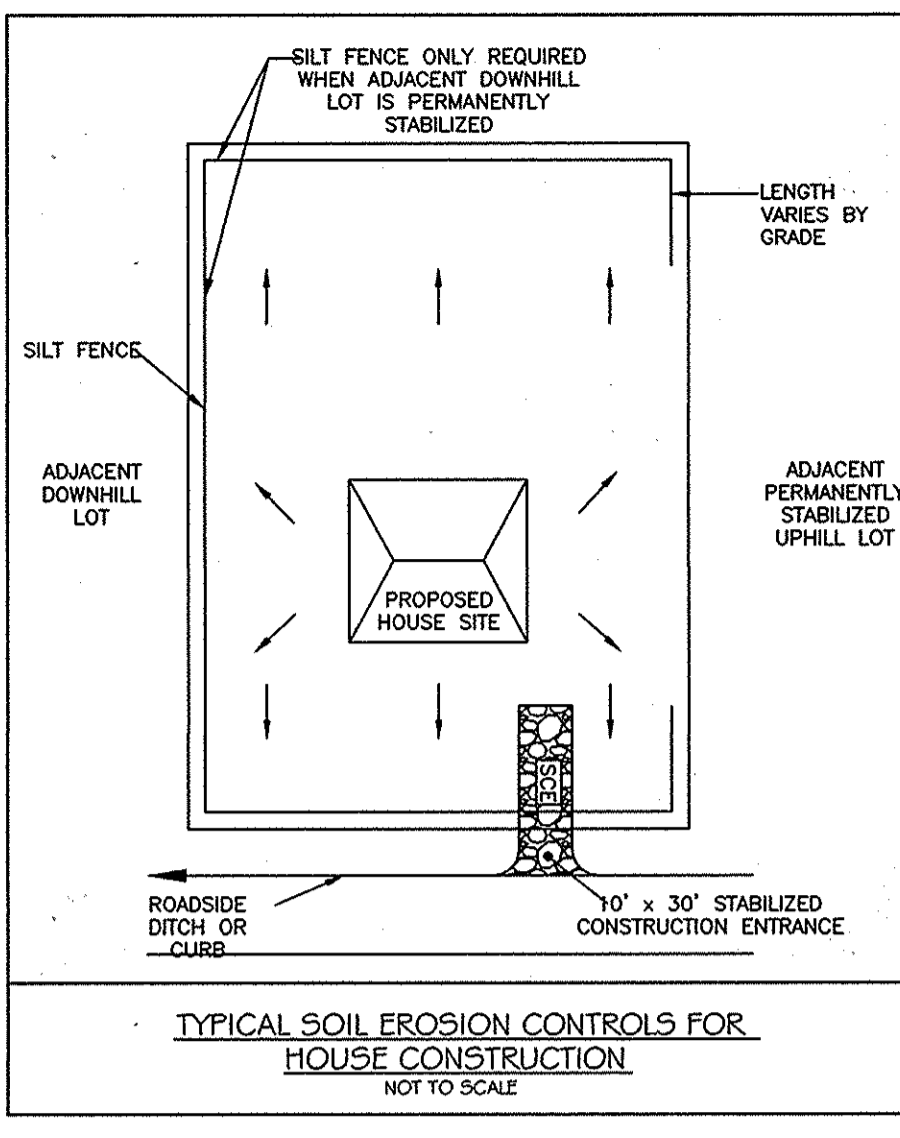


- CONSTRUCTION SPECIFICATIONS 1. INSTALL 2 IN DIAMETER GALVANIZED STEEL POSTS OF 0.005 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART.

DETAIL E-1 SILT FENCE



- CONSTRUCTION SPECIFICATIONS 1. USE WOOD POSTS 1 1/2 x 3/4 x 3/4 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD, OR AN ALTERNATIVE TO WOOD POSTS USE STANDARD "1" OR "2" SECTION STEEL POSTS WEIGHING NO LESS THAN 1 POUND PER LINEAR FOOT.



- SEQUENCE OF CONSTRUCTION 1. OBTAIN ALL REQUIRED GRADING, DEED PERMITS, APPROVALS AND LICENSES FROM APPROPRIATE AGENCIES. (1 WEEK)

HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- 1) A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction. (315-1555).

STANDARD STABILIZATION NOTE

- 1) CAN NOT EXCEED 5,000 SQUARE FEET 2) PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH.

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR SEDIMENT AND EROSION CONTROL, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

ENGINEER'S CERTIFICATE

"I HEREBY 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 HOWARD SOIL CONSERVATION DISTRICT AND THE 2011 MARYLAND STANDARDS & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."

Supplemental Plan Sediment and Erosion Control Notes and Details DuPlan Subdivision Lots 1 & 2. Includes tax map, grid, parcel, election district, zoning, scale, and date information.

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. Includes signature of Chief, Division of Land Development and date 8/28/14.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. Includes signature of District Director and date 7/13/14.

Professional Certification. I hereby certify that these documents were prepared or me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 43203, Expiration Date: 1-20-2014.

Professional Certification. I hereby certify that these documents were prepared or me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 43203, Expiration Date: 1-20-2014.

Professional Engineer Seal for Melanie J. Repp, P.E., License No. 43203, Expiration Date 7/21/14.

Professional Engineer Seal for Vanmar Associates, Inc., License No. 43203, Expiration Date 7/21/14.

LEGEND

PROPERTY LINE:

EXISTING WELL:

EXISTING TREELINE:

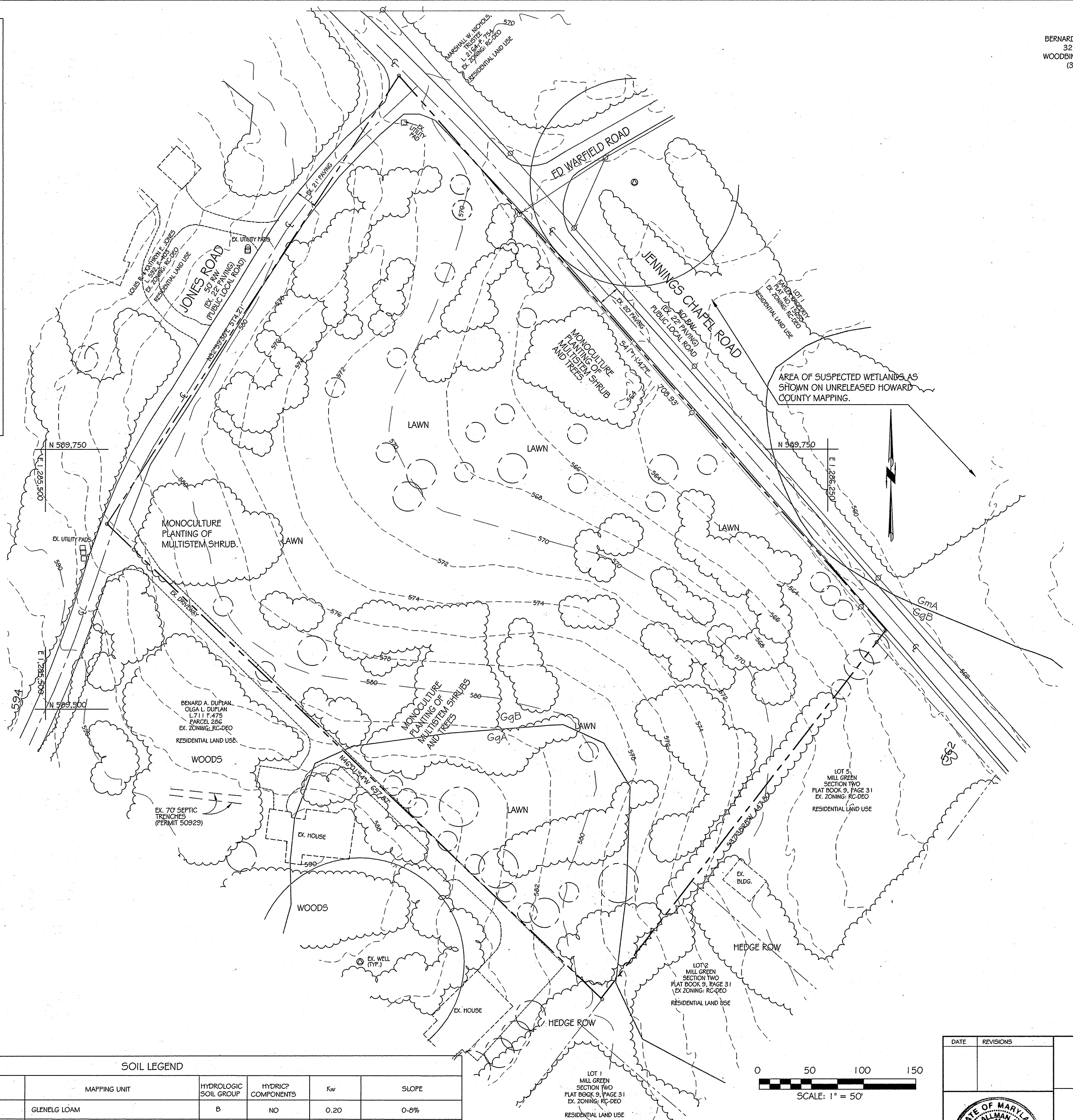
EXISTING MONOCULTURE SHRUBBERY:

EXISTING TREE:

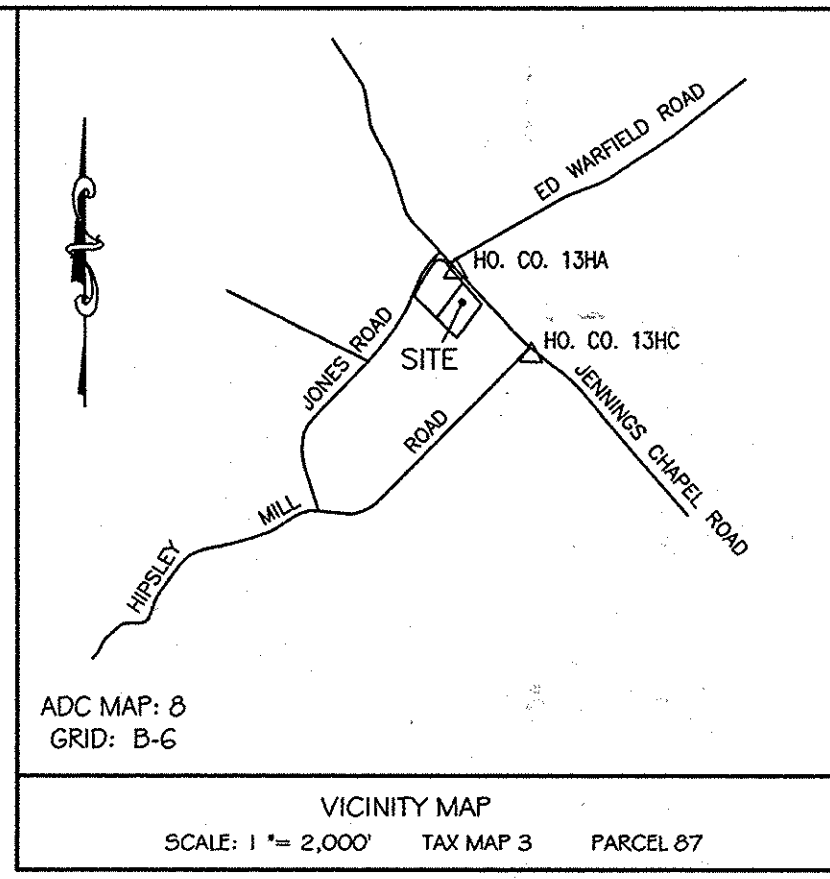
SOIL LINE:

EXISTING O/H UTILITY LINES & POLES:

EXISTING UTILITY PADS:



OWNERS:
BERNARD A. & OLGA L. DUPLAN
3211 JONES ROAD
WOODBINE, MARYLAND 21797
(301) 370-1270



GENERAL NOTES

- OWNER: BERNARD A. DUPLAN & OLGA L. DUPLAN
DEED REFERENCE: LIBER 1102 AT FOLIO 002
DATE: MAY 14, 1982
GRANTOR: PAUL KOVAL & DOROTHY KELLY KOVAL
- TAX MAP: 13 GRID: 22 PARCEL: 87
- NEAREST POTABLE WATER SUPPLY: MT. AIRY DISTANCE: 6 MILES ±.
- THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 24027C0040D.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY VANMAR ASSOCIATES, INC. DATED OCTOBER 29, 2013.
- THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83/91) PER HOWARD COUNTY SURVEY CONTROL STATIONS 13HA N.509965.1613 E.1205964.8603 13HC N.509119.3143 E.1206752.3633 DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
- THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
- SOIL TYPE: GLENELG LOAM (GgA), (GgB)
SOILS MAP NO. 7.
- THE SUBJECT PROPERTY IS ZONED RC-DEO IN ACCORDANCE WITH THE OCTOBER 6, 2013 COMPREHENSIVE ZONING REGULATIONS.
- THERE ARE NO HISTORIC SITES OR CEMETERIES ON THIS PROPERTY.
- THE SECTION OF JENNINGS CHAPEL ROAD ADJACENT TO THE SITE IS LISTED AS A SCENIC ROAD. THE DEVELOPMENT OF THE PROPERTY ALONG THE SCENIC ROADWAY SHALL BE DIRECTED SO AS TO PRESERVE THE SCENIC CHARACTER OF THE ROADWAY.

FOREST STAND NARRATIVE

- A FIELD INVESTIGATION WAS PERFORMED ON DECEMBER 11, 2013 TO DETERMINE SITE CONDITIONS LISTED IN THIS NARRATIVE.
- NO ENVIRONMENTAL FEATURES EXIST WITHIN THE LOD.
- THERE ARE NO STEEP SLOPES, FLOODPLAINS, WETLANDS OR FOREST LOCATED ON THE SITE.
- NO STREAMS EXIST WITHIN THE SITE. NO HYDRIC OR ERODIBLE SOILS EXIST WITHIN THE SITE.
- NO SPECIMEN TREES EXIST WITHIN THE SITE.
- TYPICAL COVER IS MOWED FIELD GRASS, LANDSCAPE PLANTINGS OF TREES, SHRUBBERY, AND EVERGREENS. NO FOREST.
- AS THERE IS NO FOREST ON THE SITE, A FOREST STAND ANALYSIS TABLE WAS NOT PROVIDED.
- BRIGHTON DAM WATERSHED, #02131106, PATUXENT TRIBUTARY BASIN.

APPROVED
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 8/22/14

CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 8/17/14

SOIL LEGEND					
MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC COMPONENTS	Kw	SLOPE
GgA	GLENELG LOAM	B	NO	0.20	0-8%
GgB	GLENELG LOAM	B	NO	0.20	3-8%

HOWARD COUNTY SOILS MAP NO. 7

PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional landscape architect under the laws of the State of Maryland, License No. 569, Expiration Date: 06-16-2015.

DATE	REVISIONS	FOREST STAND DELINEATION DUPLAN SUBDIVISION LOTS 1 & 2	
TAX MAP: 13	ELECTION DISTRICT: No. 4	SCALE: 1" = 50'	
GRID NO: 22	HOWARD COUNTY, MARYLAND	DATE: JULY, 2014	
PARCEL NO: 87	EX. ZONING: RC-DEO	SHEET 3 OF 4	

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

F-14-094
JOB NO. B3-5350

DESCRIPTION OF EXISTING LANDSCAPE EDGE

- KEY**
- P3**
- DENSE HEDGE ROW OF APPROX. 40 VIRGINIA CEDAR, 12'-16" HT. GOOD HEALTH.
 - STAND OF APPROX. 8 RED MAPLES, 12" CAL. GOOD HEALTH.
- P4**
- STAND OF APPROX. 12 RED MAPLES, 12" CAL. GOOD HEALTH.
 - 3 RED MAPLES, 12" CAL., GOOD HEALTH.
 - APPROX. 20 HORNBEAM AND COUSA DOGWOOD, MULTI STEM, 4" CAL., 12-16' HT. GOOD HEALTH.
 - APPROX. 6 ZELKOVA, 12"-16" CAL., 30' HT. GOOD HEALTH.
 - 6 PIN OAK, 8-12" CAL., 35'-40' HT. GOOD HEALTH.
 - CLUSTER OF 8 BRADFORD PEAR, 8" CAL., 20' HT. GOOD HEALTH.
- P1**
- 12 RED MAPLES, 10"-18" CAL., 30-40' HT., 5 AMERICAN HOLLY, 12'-16" HT., 3 COUSA DOGWOOD, 8" CAL., 16' HT. GOOD HEALTH.
 - 2 SOULAGEANA MAGNOLIAS, 18" CAL., MULTISTEM, 18' HT.
 - APPROX. 10 COUSA DOGWOOD, 6-8" CAL., 12' HT. GOOD HEALTH.
 - APPROX. 10 COUSA DOGWOOD, 6-8" CAL., 12' HT. GOOD HEALTH.
 - GROVE OF 7 HORNBEAM, 16-18" CAL., 24-30' HT.; 6 COUSA DOGWOOD, 6" CAL., 12' HT.
 - GROVE OF 3 HORNBEAM, 16-18" CAL., 24-30' HT.; 16 COUSA DOGWOOD, 6" CAL., 12' HT.
- P2**
- 2 COUSA DOGWOOD, 6-8" CAL., 12' HT.
 - 8 AMELANCHIER CANADENSIS, MULTI STEM, 4-6" CAL., 16' HT.
 - THICKET OF 20-30 BRADFORD PEAR, 8-12" CAL., 30'-HT.
 - APPROX. 15 GOLDEN RAIN TREE, 6-8" CAL., 25-30' HT.

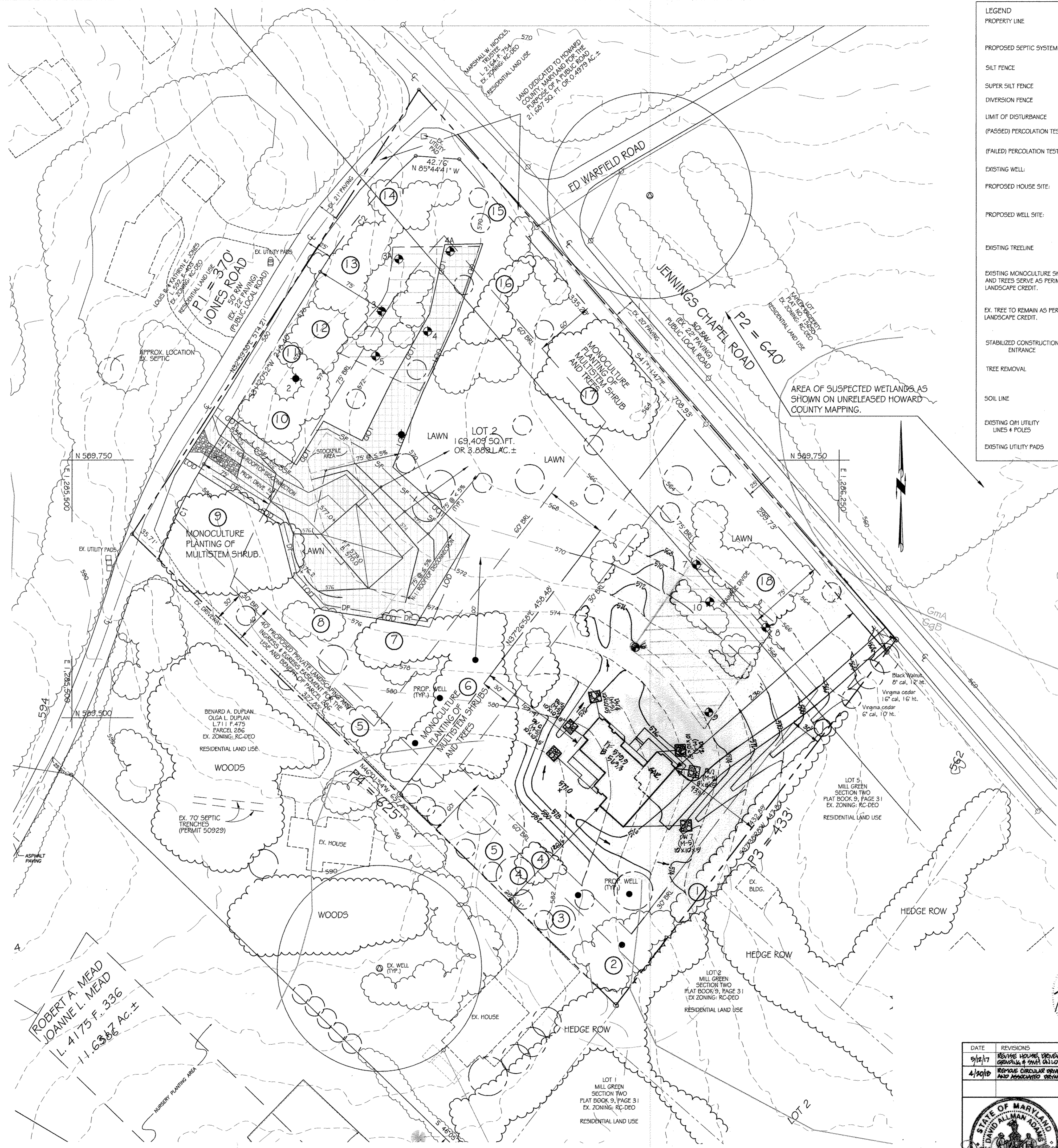
CATEGORY	ADJACENT TO PERIMETER PROPERTIES				TOTAL
	P1=8/370'	P2=8/640'	P3=4/433'	P4=4/625'	
LANDSCAPE TYPE	N/A	N/A	N/A	N/A	
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER					
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES	YES	YES	YES	
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO	
NUMBER OF PLANTS REQUIRED					
SHADE TREES	8	13	8	11	40
EVERGREEN TREES	10	16	0	0	26
SHRUBS					
NUMBER OF PLANTS PROVIDED					
SHADE TREES	0*	0*	0*	0*	0*
EVERGREEN TREES	0*	0*	0*	0*	0*
SHRUBS	0*	0*	0*	0*	0*
OTHER TREES (S1 SUBSTITUTION) SHRUBS (S2 SUBSTITUTION)	0*	0*	0*	0*	0*
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	MULTISTEM TREES	MULTISTEM TREES	MULTISTEM TREES	MULTISTEM TREES	

SUBSTITUTE THICKETS OF MULTISTEM TREES FOR EVERGREEN TREES
 LANDSCAPE EDGE "A" = 1 SHADE TREE/60'
 LANDSCAPE EDGE "B" = 1 SHADE TREE/50' & 1 EVERGREEN TREE/40'

* EXISTING PLANTINGS PROVIDE TOTAL CREDIT FOR REQUIRED PERIMETER LANDSCAPE EDGE PLANTING REQUIREMENTS. NO NEW LANDSCAPE PLANTINGS ARE TO BE PROVIDED.

MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC? COMPONENTS	Kw	SLOPE
GgA	GLENELG LOAM	B	NO	0.20	0-8%
GgB	GLENELG LOAM	B	NO	0.20	3-8%

HOWARD COUNTY SOILS MAP NO. 7



LEGEND

PROPERTY LINE

PROPOSED SEPTIC SYSTEM

SILT FENCE

SUPER SILT FENCE

DIVERSION FENCE

LIMIT OF DISTURBANCE

(PASSED) PERCOLATION TEST SITE

(FAILED) PERCOLATION TEST SITE

EXISTING WELL

PROPOSED HOUSE SITE

PROPOSED WELL SITE

EXISTING TREELINE

EXISTING MONOCULTURE SHRUBBERY AND TREES SERVE AS PERIMETER LANDSCAPE CREDIT.

EX. TREE TO REMAIN AS PERIMETER LANDSCAPE CREDIT.

STABILIZED CONSTRUCTION ENTRANCE

TREE REMOVAL

SOIL LINE

EXISTING OH UTILITY LINES & POLES

EXISTING UTILITY PADS

VICINITY MAP

SCALE: 1" = 2,000' TAX MAP 3 PARCEL 87

OWNERS:
 BERNARD A. & OLGA L. DUPLAN
 3211 JONES ROAD
 WOODBINE, MARYLAND 21797

SCALE: 1" = 50'

- GENERAL NOTES**
- OWNER: BERNARD A. DUPLAN & OLGA L. DUPLAN DEED REFERENCE: LIBER 1102 AT FOLIO 002 DATE: MAY 14, 1982 GRANTOR: PAUL KOVAL & DOROTHY KELLY KOVAL TAX MAP: 13 GRID: 22 PARCEL: 87
 - NEAREST POTABLE WATER SUPPLY: MT. AIRY DISTANCE: 6 MILES ±.
 - THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM, FLOOD HAZARD RATE MAP, COMMUNITY PANEL NO. 240370040D.
 - THE EXISTING TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY VANMAR ASSOCIATES, INC. DATED OCTOBER 25, 2013.
 - THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83) PER HOWARD COUNTY SURVEY CONTROL STATIONS 131A N.569965.1613 E.1285964.8663 131C N.599119.3143 E.1286752.3623 DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
 - THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - SOIL TYPE: GLENELG LOAM (GgA), (GgB) SOILS MAP NO. 7.
 - THE SUBJECT PROPERTY IS ZONED RC-DEO IN ACCORDANCE WITH THE OCTOBER 6, 2013 COMPREHENSIVE ZONING REGULATIONS.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - THERE ARE NO HISTORIC SITES OR CEMETERIES ON THIS PROPERTY.
 - THE SECTION OF JENNINGS CHAPEL ROAD ADJACENT TO THE SITE IS LISTED AS A SCENIC ROAD. THE DEVELOPMENT OF THE PROPERTY ALONG THE SCENIC ROADWAY SHALL BE DIRECTED SO AS TO PRESERVE THE SCENIC CHARACTER OF THE ROADWAY.
 - CREDIT FOR EXTENSIVE LANDSCAPE PLANTINGS THAT EXIST ON THE PROPERTY IS DESCRIBED IN SCHEDULE A PERIMETER LANDSCAPING FOR LOTS 1 AND 2 IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. LANDSCAPE SURETY IN THE AMOUNT OF \$0 FOR NO SHADE TREES (\$300.00 EACH, \$0 FOR TWO LOTS) WILL BE POSTED WITH THE BUILDERS GRADING PERMIT.
 - THIS IS A TWO LOT MIXED SUBDIVISION WITH NO FURTHER SUBDIVISION POTENTIAL AND IS THEREFORE EXEMPT FROM FOREST CONSERVATION PER SECTION 16.1202(b)(1)(iv) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.

- FOREST STAND NARRATIVE**
- A FIELD INVESTIGATION WAS PERFORMED ON DECEMBER 11, 2013 TO DETERMINE SITE CONDITIONS LISTED IN THIS NARRATIVE.
 - NO FOREST, WETLANDS, STEEP SLOPES, OR FLOOD PLAINS EXIST WITHIN THE SITE.
 - NO STREAMS EXIST WITHIN THE SITE. NO HYDRIC OR ERODIBLE SOILS EXIST WITHIN THE SITE.
 - NO SPECIMEN TREES EXIST WITHIN THE SITE.
 - TYPICAL COVER IS MOWED FIELD GRASS, LANDSCAPE PLANTINGS OF TREES, SHRUBBERY, AND EVERGREENS. NO FOREST.
 - AS THERE IS NO FOREST ON THE SITE, A FOREST STAND ANALYSIS TABLE WAS NOT PROVIDED.
 - BRIGHTON DAM WATERSHED, #02131108, PATIENTRIBUTARY BASIN.

APPROVED

HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Robert A. Mead 9/03/14
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Joanne L. Mead 8/7/14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

LANDSCAPE PLAN
 DUPLAN SUBDIVISION
 LOTS 1 & 2

TAX MAP: 13 ELECTION DISTRICT: No. 4 SCALE: 1" = 50'
 GRID NO: 22 HOWARD COUNTY, MARYLAND DATE: JULY, 2014
 PARCEL NO: 87 EX. ZONING: RC-DEO SHEET 4 OF 4

VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2880 (301) 831-5015 (410) 549-2751
 Fax (301) 831-5603 ©Copyright, Latest Date Shown

PROFESSIONAL CERTIFICATION
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional landscape architect under the laws of the State of Maryland, License No. 569, Expiration Date: 06-16-2015.