

LEGEND

PROPERTY LINE: - - - - -

PROPOSED SEPTIC SYSTEM: [Hatched Box]

SILT FENCE: SF — SF — SF

SUPER SILT FENCE: SSF — SSF — SSF

LIMIT OF DISTURBANCE: — LOD —

(PASSED) PERCOLATION TEST SITE: ⊕

(FAILED) PERCOLATION TEST SITE: ⊙

EXISTING WELL: [Well Symbol]

PROPOSED HOUSE SITE: [House Symbol]

PROPOSED WELL SITE: [Well Symbol]

EXISTING TREELINE: [Tree Line Symbol]

EXISTING MONOCULTURE SHRUBBERY: [Shrubbery Symbol]

EXISTING TREE: [Tree Symbol]

STABILIZED CONSTRUCTION ENTRANCE: SCE

DRAINAGE DIVIDE: [Dashed Line]

SOIL LINE: GmA, GgB

EXISTING O/H UTILITY LINES & POLES: [Utility Symbol]

EXISTING UTILITY PADS: [Pad Symbol]

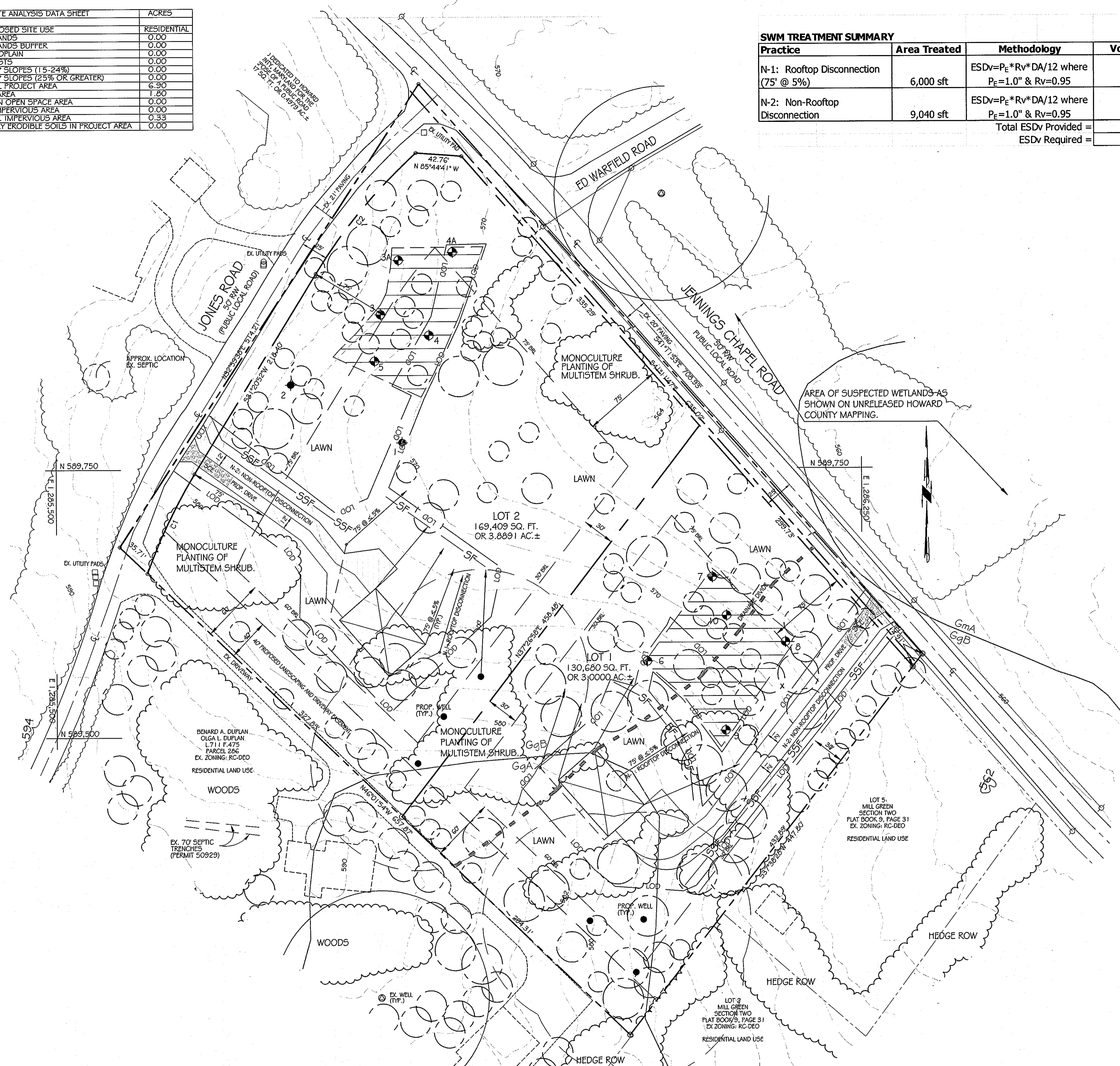
SITE ANALYSIS DATA SHEET	ACRES
PROPOSED SITE USE	RESIDENTIAL
WETLANDS	0.00
WETLANDS BUFFER	0.00
FLOODPLAIN	0.00
FORESTS	0.00
STEEP SLOPES (15-24%)	0.00
STEEP SLOPES (25% OR GREATER)	0.00
TOTAL PROJECT AREA	6.90
LOD AREA	1.80
GREEN OPEN SPACE AREA	0.00
EX. IMPERVIOUS AREA	0.00
PROP. IMPERVIOUS AREA	0.33
HIGHLY ERODIBLE SOILS IN PROJECT AREA	0.00

SWM TREATMENT SUMMARY			
Practice	Area Treated	Methodology	Volume (ESDv)
N-1: Rooftop Disconnection (75' @ 5%)	6,000 sft	ESDv = P _E * R _v * DA / 12 where P _E = 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

VICINITY MAP

ADC MAP: 8
GRID: B-6

SCALE: 1" = 2,000'
TAX MAP: 13
PARCEL: 87



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.
- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
- THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83) PER HOWARD COUNTY SURVEY CONTROL STATIONS 13HA N.589965.1613 E.1285964.8683 13HC N.589119.3143 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.
- ALL WELLS TO BE DRILLED PRIOR TO FINAL PLAT SIGNATURE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO THE FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED 'GOVERNMENT DELAY' IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- 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.
- APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN, SITE DEVELOPMENT PLAN, OR GRADING OR BUILDING PERMIT. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION, SITE PLAN OR GRADING AND BUILDING PERMIT STAGES.
- NO ENVIRONMENTAL FEATURES EXIST WITHIN THE LOD.
- NO SPECIMEN TREES ARE PROPOSED FOR REMOVAL.
- THERE ARE NO STEEP SLOPES, FLOODPLAIN, WETLANDS OR OTHER ENVIRONMENTAL FEATURES LOCATED ON THE SITE AS DETERMINED DURING A FIELD INVESTIGATION PERFORMED BY VANMAR ASSOCIATES, INC. ON DECEMBER 11, 2013.
- 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 ROADWAYS.
- FOREST CONSERVATION WILL BE ADDRESSED WITH THE FINAL PLAN.

DESIGN NARRATIVE

- THE PROPOSED DEVELOPMENT CONSISTS OF THE CONSTRUCTION OF TWO (2) SINGLE FAMILY HOMES AND ASSOCIATED DRIVEWAYS.
- THERE ARE NO STEEP SLOPES, WATERWAYS, FLOODPLAINS, WETLANDS OR BUFFERS ON THE PROPERTY.
- NATURAL FLOW PATTERNS WILL NOT BE AFFECTED BY THE PROPOSED SUBDIVISION.
- IMPERVIOUS AREAS HAVE BEEN REDUCED THROUGH THE USE OF DISCONNECTIONS.
- ONLY DISCONNECTION PRACTICES ARE PROPOSED FOR THE SUBDIVISION THEREFORE, NO INTEGRATION OF SEDIMENT CONTROLS ARE NECESSARY.
- STORMWATER MANAGEMENT REQUIREMENTS WILL BE ADDRESSED USING ROOFTOP AND NON-ROOFTOP DISCONNECTION. SWM IS IN ACCORDANCE WITH THE 2009 REVISIONS OF THE 2000 MD STORMWATER DESIGN MANUAL AND ADDRESSES ESD TO THE MEP.
- THERE ARE NO WAIVER PETITIONS PROPOSED.

APPROVED

HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 3/11/14
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 3-13-14
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

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 engineer under the laws of the State of Maryland, License No. 43203, Expiration Date: 12-20-2014.

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

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