SITE DATA LOCATION: TAX MAP 41, GRID 6, PARCEL 220 DEED REFERENCE: L.13525 F.372 5TH ELECTION DISTRICT EXISTING ZONING: R-20 PER THE COMPREHENSIVE ZONING PLAN DATED 2/02/04.
GROSS AREA OF PARCEL: 1.0031 AC.
AREA OF RIGHT OF WAY: 0.00000 AC.
AREA OF FLOODPLAIN: N/A
AREA OF STEEP SLOPES: N/A NET AREA OF PROJECT: 1.0031 AC NUMBER OF RESIDENTIAL LOTS PROPOSED: 2 LOTS AREA OF PROPOSED RESIDENTIAL LOTS: 43,693 SF (1.00 AC) AREA OF SMALLEST BUILDABLE LOT PROPOSED: 21,846 SF NUMBER OF PROPOSED OPEN SPACE LOTS: 0 NUMBER OF NON-BUILDABLE BULK PARCELS **GENERAL NOTES** THE PROJECT BOUNDARY IS BASED ON A FIELD RUN BOUNDARY SURVEY

PREPARED BY ROBERT H. VOGEL ENGINEERING, INC. IN AUGUST 2012.

THE TOPOGRAPHY SHOWN HEREON IS BASED ON FIELD RUN TOPOGRAPHY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC. IN

PUBLIC WATER AVAILABLE THROUGH CONTRACT 34-1810-D AND PUBLIC SEWER AVAILABLE THROUGH CONTRACT 30-3123-D. WATER AND SEWER SERVICE WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 18.122B

SUBJECT PROPERTY ZONED R-20 PER 2/02/04 COMPREHENSIVE ZONING ZONING PLAN AND AMENDED BY THE COMPREHENSIVE LITE AMENDMENT DATED 07/28/06.

PLAN, WAIVER PETITION APPLICATION OR BUILDING/GRADING PERMIT.

9. THE FOREST CONSERVATION OBLIGATION WILL BE MET BY A FEE-IN-LIEU

THE EXISTING DWELLING/STRUCTURE AND SHED LOCATED ON THIS SITE ARE TO BE REMOVED PRIOR TO RECORDATION OF THIS PLAT.

THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS (COUNCIL BILL 45-2003). DEVELOPMENT OR CONSTRUCTION ON THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT

4. THIS PROJECT IS EXEMPT FROM Cpv STORM WATER MANAGEMENT

THIS SITE IS NOT LOCATED IN A HISTORIC DISTRICT.

OF THE HOWARD COUNTY CODE.

SINCE THE SITE Pe IS LESS THAN 1".

GRADING DATA

TOTAL DISTURBED AREA =

IMPERVIOUS COVER = 0.149 AC AREA TO BE STABILIZED = 0.403 AC

UTIL POLE

TO REMAIN

TO REMAIN

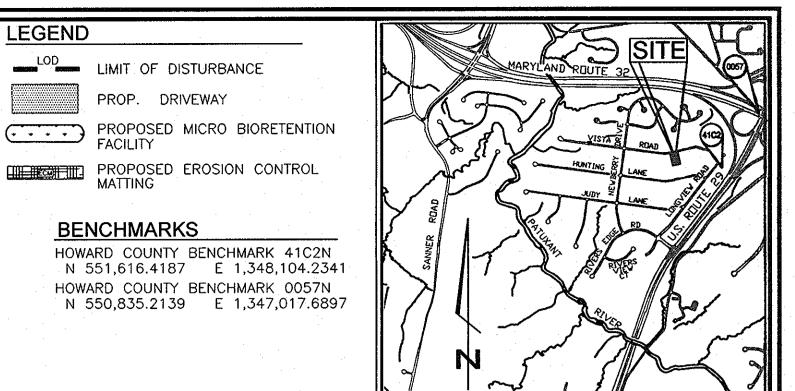
ENVIRONMENTAL CONCEPT PLAN ECP-13-016 HOLIDAY HILLS LOTS 105 AND 106

A RESUBDIVISION LOT 43 SECOND ADDITION TO HOLIDAY HILLS SUBDIVISION PLAT BOOK 13525, FOLIO 372

VISTA ROAD

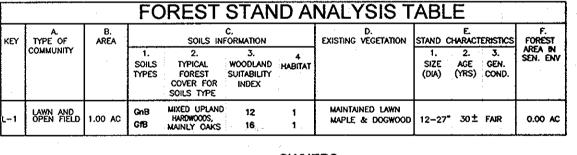
PUBLIC LOCAL ROAD

50' RIGHT-OF-WAY



VICINITY MAP SCALE: 1"=2000 ADC MAP 5052, J-2

FOREST CONSERVATION WORKSHEET Project: 10605 Vista Road Date: August 28, 2012 IET TRACT AREA Total tract area . Area within 100 Year Floodplain . Area of site included in overhead transmission line AND USE CATEGORY: (from table 3.2.1, page 40, Manual) ARA MDR IDA HDR MPD CIA Conservation Threshold EXISTING FOREST COVER: . Existing forest cover (excluding floodplain) . Area of forest above afforestation threshok Area of forest above conservation threshold BREAK EVEN POINT Forest retention above threshold with no mitigation Break-Even Point Clearing permitted without mitigation PROPOSED FOREST CLEARING . Total area of forest to be Cleared or Retained Outside FCE 0.0 Total area of forest to be Retained in FCE PLANTING REQUIREMENTS Reforestation for cleaning above Conservation Threshold Reforestation for clearing below Conservation Threshold . Credit for retention above conservation threshold Total afforestation required Total reforestation and afforestation required 0.2



SD PROPERTIES 3138 ROGERS AVENUE ELLICOTT CITY, MARYLAND 21043 (410-203-2460)

REVISION ENVIRONMENTAL CONCEPT PLAN **COVER SHEET**

HOLIDAY HILLS LOTS 105 AND 106 A RESUBDIVISION OF LOT 43 OF

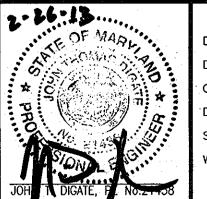
HOLIDAY HILLS, PLAT BOOK 13525 FOLIO 372 TAX MAP 41, GRID 6 ^F 5TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



ROBERT H. VOGEL NGINEERING, INC. ENGINEERS • SURVEYORS • PLANNERS

8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



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. 21438 EXPIRATION DATE: DESIGN BY: RHV CHECKED BY: 12-16-2012 DATE: SCALE:

12-29

SHEET __ OF __

PROFESSIONAL CERTIFICATION

_EX. 32" MAPL TO REMAIN LOT 106 /21,846 SF . 21,846 SF FF=371.00 FF=370.0 BF=360.17 BE=359.50 DWELLING 21,846 SF FF=364.40 BE REMOVED LOT 44 WARREN M TURNER & MARCIA ANN SIMMONS LIBER 970/348 EX./20" MAPLE TO BE REMOVED SD PROPERTIES LLC TO REMAIN PLAT 21619 N 550800 ∠EX. 18" CHERRY TO REMAIN man man L. 13525 F. 372 LOT 106 USE: RESIDENTIAL 21,846 SF 21,846 SF AREA AS SURVEYED 43,693 SF (1.0031 AC) S85°26'00"W <u>83.00'</u> . 166.00 S 77'29'33" W SOILS LEGEND EARL E. MILSTEAD, JR. & NAME/DESCRIPTION SYMBOL LILLIAN E. MILSTEAD GLENVILLE-BAILE SILT LOAM LIBER 302/165 0 TO 8 PERCENT SLOPES GLADSTONE-URBAN LAND COMPLEX DIATE/70 0 TO 8 PERCENT SLOPES **PLAN VIEW**

A. CHANNEL PROTECTION VOLUME (CPV) IS NOT REQUIRED (Pe FOR ENTIRE SITE IS UNDER 1.0")

STORM WATER MANAGEMENT ADDRESSED FOR SITE USING 2007 MARYLAND STORMWATER DESIGN MANUAL (CHAPTER 5).

B. WATER QUALITY VOLUME (WQV) AND RECHARGE VOLUME (REV) TO BE PROVIDED BY MICRO BIORETENTION FACILITIES AND OPEN CHANEL FLOW (WHEN IMPERVIOUS AREAS CAN NOT BE DIRECTED TO ONE OF THE MICRO BIORETENTION FACILITIES)

PAYMENT OF \$6,534.00 MADE OUT TO HOWARD COUNTY FOREST CONSERVATION FUND FOR THE 0.20 ACRE FORESTATION REQUIREMENT FOR THIS PROJECT.

11. THERE ARE NO FLOODPLAINS, STREAMS, STEEP SLOPES, WETLANDS OR THEIR BUFFERS LOCATED ON THIS SITE.

SITE DEVELOPMENT PLAN APPROVAL BY THE DEPARTMENT OF PLANNING AND ZONING IS REQUIRED PRIOR TO BUILDING PERMITS BEING ISSUED FOR THE CONSTRUCTION OF RESIDENTIAL DWELLINGS ON THESE LOTS

13. THIS DEVELOPMENT IS DESIGNED TO BE IN ACCORDANCE WITH SECTION 16.127 RESIDENTIAL INFILL DEVELOPMENT OF SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, THE DEVELOPER OF THIS PROJECT SHALL CREATE COMPATIBILITY WITH THE EXISTING NEIGHBORHOOD THROUGH THE USE OF ENHANCED PERIMETER LANDSCAPING, BERMS, FENCES, SIMILAR HOUSING UNIT TYPES AND THE DIRECTIONAL ORIENTATION OF THE

14. APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION AND/OR SITE DEVELOPMENT PLAN.

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 AND SITE PLAN STAGES. THEREFORE THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED COMMENTS (INCLUDING THOSE THAT MAY ALTER OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES.

SHOULD ANY TREE DESIGNATED FOR PRESERVATION, FOR WHICH CREDIT 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 A REQUIRED IN THE LANDSCAPE MANUAL.

17. A FOREST STAND DELINEATION WAS PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC., DATED AUGUST 2012. FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202 OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL SHALL BE COMPLIED WITH.

SWM NARRATIVE

THE STORM WATER MANAGEMENT FOR THIS SITE HAS BEEN DESIGN TO PRESERVE THE NATURAL RESOURCES TO THE MAXIMUM EXTENT POSSIBLE. MICRO BIORETENTION FACILITIES AND DRYWELLS WERE USED WHERE IT WAS NOT FEASIBLE TO USE NON STRUCTURAL MEASURES. THE Pe FOR THE SITE WAS 1.0", SO CPV WAS NOT REQUIRED FOR THIS SITE. MANY OF THE EXISTING TREES AND NATURAL FEATURES FOR THIS SUBDIVISION HAVE BEEN SAVED TO KEEP THE EXISTING CHARACTERISTICS IN TACT. DRYWELLS WERE USED ON THE BACKS OF THE LOTS WHERE OVERLAND DRAINAGE TO THE MICRO BIORETENTION FACILITIES WAS NOT FEASIBLE. MANY OF THE SLOPES ON THE SITE EXCEEDED 5% SO DISCONNECTS AND OTHER TYPES OF NON STRUCTURAL MEASURES WERE NOT PRACTICAL. OVERALL, THE ORIGINAL NATURAL INTEGRITY OF THIS SITE IS PRESERVED AS MUCH AS IS PRACTICAL.

APPROVED: DEPARTMENT OF PLANNING AND ZONING 3/26/13 CHIEF, DEVELOPMENT ENGINEERING DIVISION OF LAND DEVELOPMENT

ECP-13-016

