
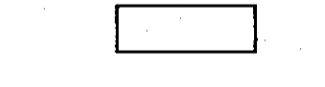
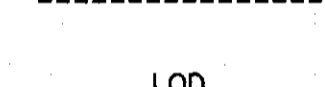
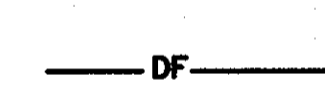
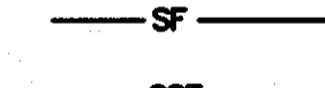




FOREST CONSERVATION WORKSHEET

NET TRACT AREA:  
 A. Total tract area..... = 1.00  
 B. Area within 100 year floodplain & overhead transmission line = 0.00  
 C. Area to remain in agricultural production..... = 0.00  
 D. Net tract area..... = 1.00  
 LAND USE CATEGORY:  
 Input the number "1" under the appropriate land use zoning, and limit to only one entry.  
 ARA MDR IDA HDR MPD CIA  
 0 0 0 1 0 0  
 E. Afforestation Threshold.....% x D = 0.15  
 F. Conservation Threshold.....% x D = 0.20  
 EXISTING FOREST COVER:  
 G. Existing forest cover (excluding floodplain)..... = 0.00  
 H. Area of forest above afforestation threshold..... = 0.00  
 I. Area of forest above conservation threshold..... = 0.00  
 BREAK EVEN POINT:  
 J. Forest retention above threshold with no mitigation..... = 0.00  
 K. Clearing permitted without mitigation..... = 0.00  
 PROPOSED FOREST CLEARING  
 L. Total area of forest to be cleared..... = 0.00  
 M. Total area of forest to be retained..... = 0.00  
 PLANTING REQUIREMENTS:  
 N. Reforestation for clearing above conservation threshold..... = 0.00  
 P. Reforestation for clearing below conservation threshold..... = 0.00  
 Q. Credit for retention above conservation threshold..... = 0.00  
 R. Total reforestation required..... = 0.00  
 S. Total afforestation required..... = 0.00  
 T. Total reforestation and afforestation required..... = 0.15  
 Total reforestation and afforestation provided..... = 0.15

LEGEND

-  AREA TREATED BY M-3 INFILTRATION LANDSCAPE
-  LANDSCAPE INFILTRATION
-  DRAINAGE AREA
-  LIMIT OF DISTURBANCE
-  DIVERSION FENCE
-  SILT FENCE
-  SUPER SILT FENCE

SOILS CHART

GB (B) GLADSTONE URBAN LAND COMPLEX, 0-8% SLOPES.  
 McD (B) MANOR LOAM, 15-25% SLOPES, VERY ROCKY.

OWNER AND DEVELOPER

SAM BROWN  
 ROBERT TODD LANDY  
 10805 HUNTING LANE  
 ELLICOTT CITY, MD 21042  
 410-461-5960

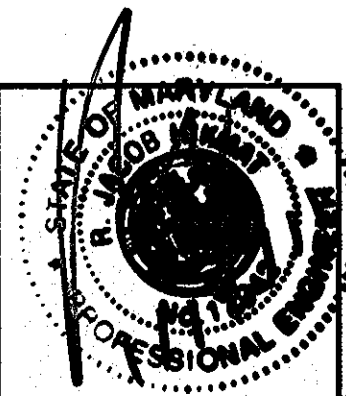
APPROVED: DEPARTMENT OF PLANNING AND ZONING

  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

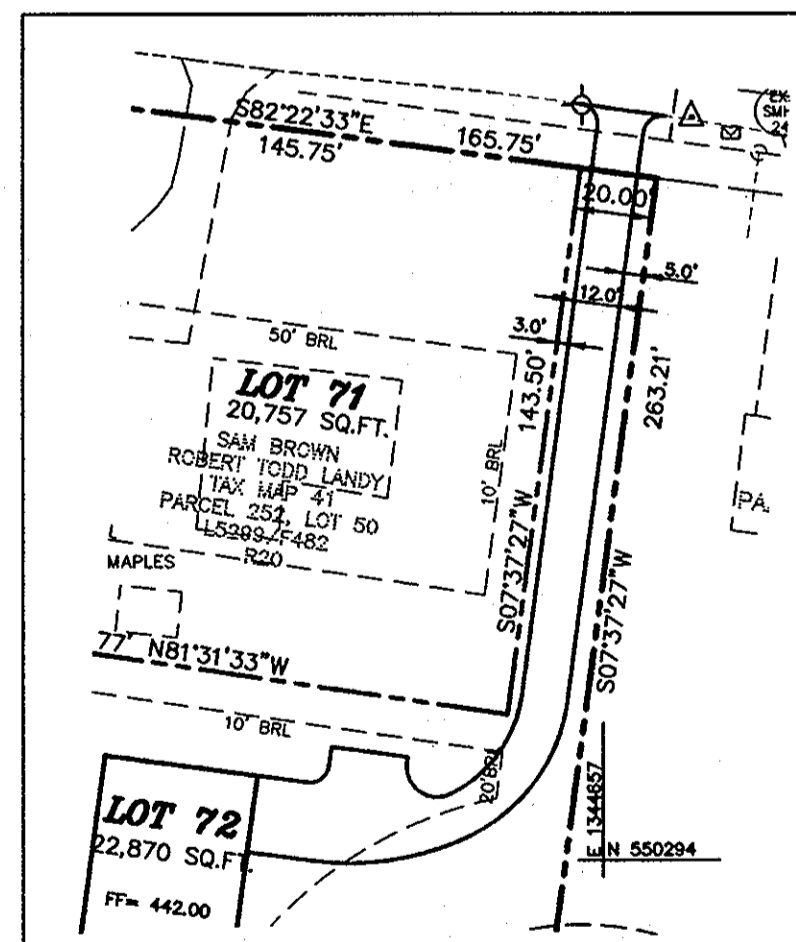
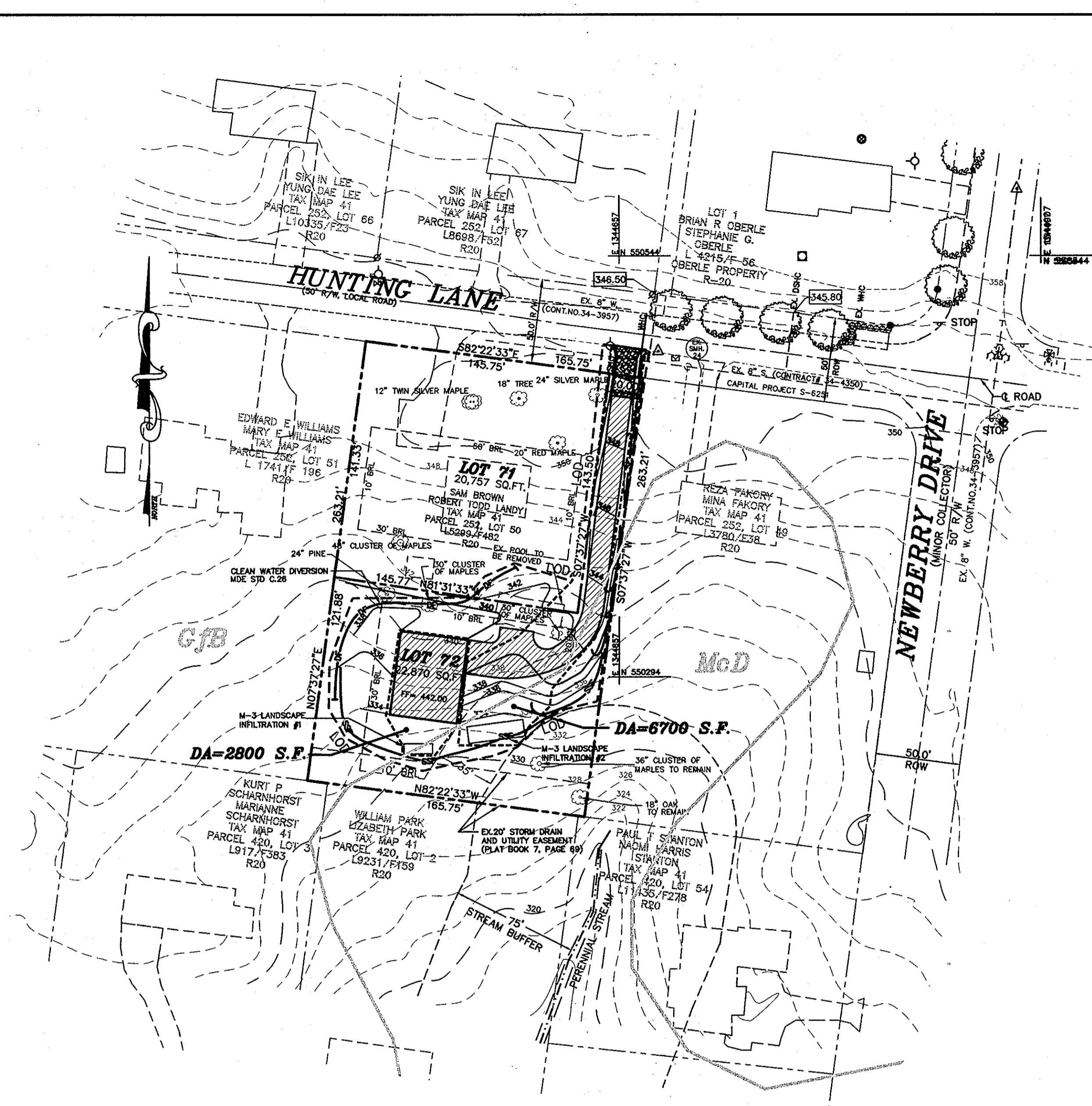
1/25/14  
 DATE

  
 CHIEF, DIVISION OF LAND DEVELOPMENT

1/21/14  
 DATE

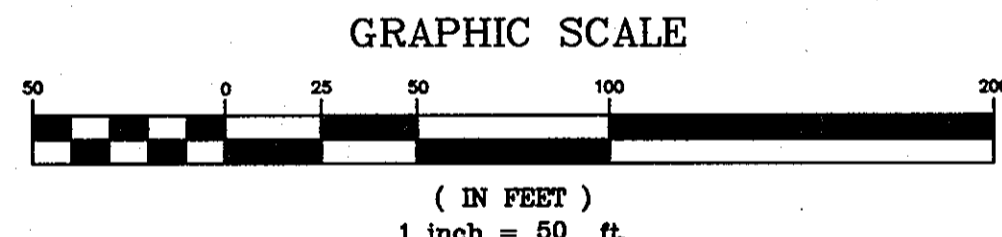


I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17942, EXP DATE 9/3/12.



DRIVEWAY LOCATION PLAN

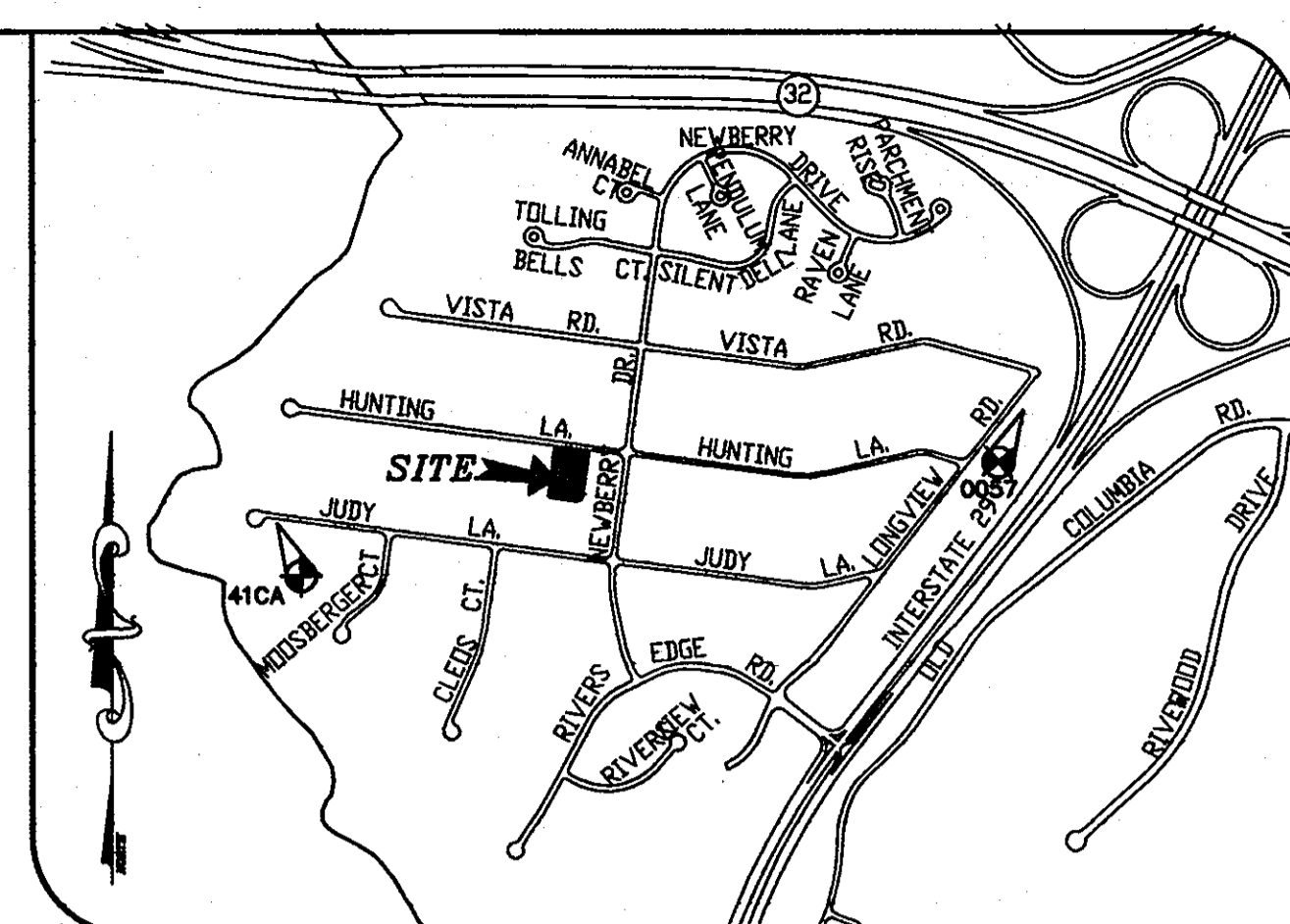
SCALE: 1"=50'



LOT #	PROPOSED PRACTICES
1	M-3 LANDSCAPE INFILTRATION

ESD NARRATIVE

- THE EXISTING NATURAL RESOURCES ON SITE CONSIST OF 75 FEET OF STREAM BUFFER. (STREAM IS LOCATED ON THE ADJOINING PROPERTY). THESE RESOURCES ARE BEING PROTECTED BY UTILIZING AN ADDITIONAL 35 FOOT SETBACK FROM THE BUFFER. THERE ARE NO EXISTING WETLANDS OR WOODS ON SITE.
- THE IMPROVEMENTS AND DEVELOPED AREA WILL MAINTAIN THE EXISTING DRAINAGE PATTERNS AS CLOSE AS POSSIBLE. NO STREAM IMPACTS ARE PROPOSED THAT WOULD ALTER ANY NATURAL FLOW PATTERNS.
- THE REDUCTION OF THE IMPERVIOUS AREA WILL BE ACHIEVED THRU THE USE OF M-3 INFILTRATION LANDSCAPE ON LOT 72.
- THE REQUIRED EROSION AND SEDIMENT CONTROL MEASURES WILL BE IN ACCORDANCE WITH THE LATEST MDE STANDARDS AND SPECIFICATIONS UTILIZING DIVERSION FENCES AND SILT FENCES.
- THE PROPOSED ESD MEASURES SHOWN ON THIS PLAN HAVE MET THE REQUIRED PE FOR THIS SITE. NO ADDITIONAL CHAPTER 3 DEVICES ARE PROPOSED AS ALTERNATIVES TO THE CHAPTER 5 ESD MEASURES.
- THERE ARE NO DESIGN MANUAL WAIVERS PLANNED FOR THIS SITE IN REGARDS TO ENVIRONMENTAL DISTURBANCES.



VICINITY MAP  
 SCALE: 1"=1000'  
 ADC MAP: 5052-J-2

NOTES:

- SITE ANALYSIS DATA:  
 TAX MAP : 41 PARCEL: 252 LOT: 50 BLOCK: 11  
 ELECTION DISTRICT : FIFTH  
 ZONING: R-20  
 TOTAL AREA: 1.00 AC.±  
 LIMIT OF DISTURBED AREA: 0.42 AC.±
- STREET ADDRESS: 10805 HUNTING LANE COLUMBIA, MD 21044
- HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 0057 & 41CA.  
 STA. No. 0057 N 550,835.214 ELEV. 398.924  
 E 1,347,017.69  
 STA. No. 41CA N 550,124.864 ELEV. 295.3643  
 E 1,342,960.88
- THIS PLAN IS SUBJECT TO THE AMENDED FIFTH ADDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS (COUNCIL BILL 45-2003). DEVELOPMENT OR CONSTRUCTION OF THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION OR BUILDING/GRADING PERMIT.
- 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.
- THIS DEVELOPMENT IS DESIGNED TO BE IN ACCORDANCE WITH 16.127 RESIDENTIAL INFILL DEVELOPMENT OF SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. THE DEVELOPERS 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 PROPOSED HOUSES.

ECP NOTES:

- AREA OF THE SITE = 0.52 ±ACRE
- AREA OF WETLANDS AND ITS BUFFERS = 0
- AREA OF FLOODPLAIN = 0
- AREA OF STREAM BUFFER = 2,800 SQUARE FEET.
- AREA OF STEEP SLOPES = 0
- TOTAL ENVIRONMENTAL SENSITIVE AREA - 2,800 SQUARE FEET.
- 2,800 SQUARE FEET OF STREAM BUFFER WILL BE PRESERVED AS ENVIRONMENTAL AREA. ADDITIONAL 35' BUFFER WILL BE PROVIDED AS BUILDING RESTRICTION AREA.
- RUNOFF FROM THE PROPOSED IMPERVIOUS WILL BE TREATED INFILTRATION LANDSCAPE
- BY APPLYING NON-STRUCTURAL TECHNIQUES, SMALL-SCALE STORMWATER MANAGEMENT PRACTICES (M-3 INFILTRATION LANDSCAPE) , ENVIRONMENTAL SITE DESIGN (ESD) HAS BEEN ACHIEVED.
- METHOD USED IS RCN REDUCTION. BY PROVIDING TWO M-3 INFILTRATION LANDSCAPE RCN WILL BE REDUCED TO "WOODS IN GOOD CONDITION". THEREFORE THE REQUIREMENTS FOR Wq, Rev AND Cpy WILL BE MET.
- NO STEEP SLOPES EXIST ON SITE.
- NO FOREST STAND OR WETLAND EXISTS ON SITE AS CERTIFIED BY MILDENBERG, BOENDER & ASSOCIATES IN WETLAND CERTIFICATION LETTER DATED JUNE, 2010.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, OR PLACEMENT OF NEW PAVING OR STRUCTURES IS PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAM(S), OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100-YEAR FLOODPLAIN.
- EXISTING HOUSE ON LOT 71 IS TO REMAIN.
- PROJECT BOUNDARY IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT JUNE, 2010 BY MILDENBERG, BOENDER AND ASSOC., INC.
- TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY PERFORMED ON OR ABOUT JUNE, 2010 BY MILDENBERG, BOENDER AND ASSOC., INC.
- FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT FOR THIS SUBDIVISION HAS BEEN FULFILLED BY PAYMENT OF A FEE-IN-LIEU OF 0.15 ACRES (6,534 SQ.FT.) OF AFFORESTATION IN THE AMOUNT OF \$4,900.50 TO THE FOREST CONSERVATION FUND.
- THIS SITE IS NOT LOCATED IN A HISTORIC DISTRICT.
- TWO M-3 LANDSCAPE INFILTRATION FACILITIES MAY BE COMBINED IN TO ONE SINCE SINCE TOTAL DRAINAGE AREA IS LESS THAN 10,000 S.F.

project	date	description	revisions
10-011	JAN. 2011	engineering	
		illustration	
		scale	1"=60'
		approval	RJH

date	description	revisions

HOLIDAY HILLS, SECTION 4, LOTS: 71 & 72  
 A RESUBDIVISION OF LOT 50  
 TAX MAP 41, PARCEL 252, BLOCK 11, (PLAT BOOK 7, PAGE 69)  
 FIFTH ELECTION DISTRICT  
 HOWARD COUNTY  
 ENVIRONMENTAL CONCEPT PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 6800 Deepwater Road, Suite 15, Ellicott City, Maryland 21075  
 (410) 997-0238 Fax  
 (410) 997-0236 Batt.