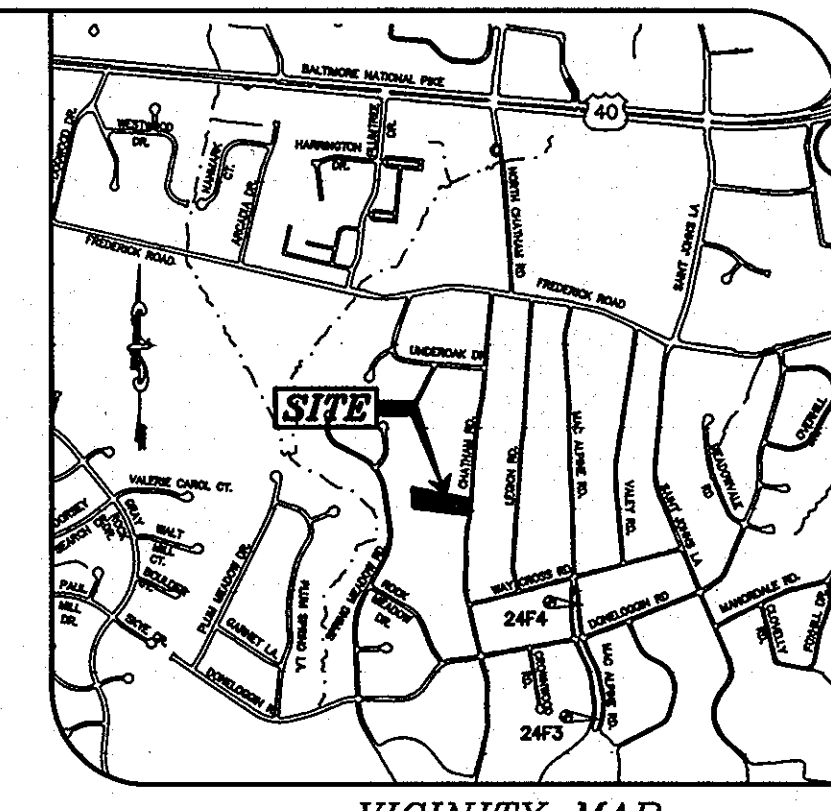


- LEGEND**
- M-7, RAINGARDEN
 - LOD
 - LIMIT OF DISTURBANCE
 - AREA OF 25% SLOPE OR GREATER
 - AREA OF 15%-24.9% SLOPES
 - ROOFTOP DISCONNECTION
 - EX. DRIVEWAY TO BE REMOVED
 - TPE
 - PROPOSED DRIVEWAY



- GENERAL NOTES:**
- ALL ASPECTS OF THE PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS.
 - THE SUBJECT PROPERTY IS ZONED R-20 PER THE 02/04/04 COMPREHENSIVE ZONING PLAN AND PER THE "COMP LITE" ZONING REGULATION AMENDMENTS EFFECTIVE 7/28/06.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 - SITE ANALYSIS DATA: LOCATION: TAX MAP: 24 PARCEL: 427 LOT: 6 BLOCK: 10 ELECTION DISTRICT: SECOND ZONING: R-20 TOTAL AREA: 1.57 AC± LIMIT OF DISTURBED AREA: 1.34 AC± PROPOSED USE FOR SITE: RESIDENTIAL TOTAL NUMBER OF UNITS: 3 TYPE OF PROPOSED UNIT: SFD DEED REFERENCE: 11388/289
 - EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH TWO FOOT CONTOUR INTERVALS PREPARED BY MILDENBERG, BOENDER AND ASSOCIATES IN JUNE OF 2010.
 - BOUNDARY SHOWN HEREON BASED ON FIELD RUN UNMOUNTED BOUNDARY SURVEY PERFORMED ON OR ABOUT JUNE OF 2010 BY MILDENBERG, BOENDER & ASSOCIATES, INC.
 - 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 NOS. 24F3 AND 24F4 WERE USED FOR THIS PROJECT. STA. No. 24F3 N 581299.879 E 1360713.706 EL. 355.33 STA. No. 24F4 N 582298.696 E 1360590.949 EL. 358.11
 - NO CEMETERIES EXIST ON SITE.
 - NO HISTORIC STRUCTURE EXISTS ON SITE.
 - NO STREAMS OR FLOODPLAINS EXIST ON SITE.
 - NO FOREST STAND OR WETLAND EXISTS ON SITE AS CERTIFIED BY ECO SENCE IN WETLAND CERTIFICATION LETTER DATED NOVEMBER 14, 2007.
 - THERE IS NO STEEP SLOPES MORE THAN 20.00% SQ. FT. EXISTS ON SITE.
 - PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. PUBLIC WATER AND SEWER WILL BE UTILIZED UNDER CONTRACT # S 10-1386 AND 757-W.
 - THIS PROPOSED SUBDIVISION WILL CONSIST OF SINGLE FAMILY DETACHED DWELLINGS.
 - STORMWATER MANAGEMENT IS PROVIDED VIA ROOFTOP, NON-ROOFTOP DISCONNECTION AND USE OF MICROSCALE PRACTICES (RAIN GARDENS) IN ACCORDANCE WITH THE 2007 WIDE STORMWATER DESIGN MANUAL. STORMWATER MANAGEMENT FACILITIES WILL BE PRIVATELY OWNED AND MAINTAINED.
 - FOREST STAND DELINEATION PREPARED BY MILDENBERG, BOENDER AND ASSOCIATES, INC. ON OR ABOUT AUGUST 2007.
 - FOR FLAG OR PIPSTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPSTEM LOT AND ROAD RIGHT OF WAY LINE AND NOT TO THE PIPSTEM LOT DRIVEWAY.
 - 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 A PAYMENT OF FEE-IN-LIEU OF 0.24 ACRES (10,454.4 SQ.FT.) OF AFFORESTATION IN THE AMOUNT OF \$7,840.80 TO THE FOREST CONSERVATION FUND.
 - THIS SUBDIVISION WILL COMPLY WITH SECTION 16.124 OF SUBDIVISION AND LAND DEVELOPMENT REGULATION FOR LANDSCAPING REQUIREMENTS. LANDSCAPING WILL BE DEFERRED TO SFP STAGE.
 - THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY MILDENBERG, BOENDER AND ASSOC., DATED JULY 22, 2011.
 - THIS SUBDIVISION IS SUBJECT TO WAIVER PETITION WP-11-207 SECTIONS 16.132(c)(2)(i), 16.134(o)(1)(i), 16.135(o) AND 16.136, WHICH REQUIRES ROAD SIDEWALK, STREET LIGHT AND STREET TREES TO BE PROVIDED ALONG THE FRONTAGE OF CHATHAM ROAD, WHICH WAS APPROVED BY THE DIRECTOR OF THE DEPARTMENT OF PLANNING AND ZONING ON JULY 25, 2011.

SOILS CHART
LoB (B) LEGORE-MONTALTO-URBAN LAND COMPLEX, 0-8% SLOPES

STORMWATER MANAGEMENT PRACTICES

LOT	GREEN ROOF PAVEMENTS	PERMEABLE PAVEMENTS	REINFORCED TURF	DISCONNECTION OF ROOFTOP RUNOFF	DISCONNECTION OF NON-ROOFTOP RUNOFF	SHEETPILE TO CONSERVATION AREAS	RAINWATER HARVESTING	SUBMERGED GRAVEL WETLANDS	LANDSCAPE INFILTRATION	INFILTRATION BEDS	DRY WELLS	MICRO-BIORETENTION	RAIN GARDENS	SWALES	ENHANCED FILTERS
	A-1 (Y/N)	A-2 (Y/N)	A-3 (Y/N)	N-1 (NUMBER)	N-2 (Y/N)	N-3 (Y/N)	M-1 (NUMBER)	M-2 (NUMBER)	M-3 (NUMBER)	M-4 (NUMBER)	M-5 (NUMBER)	M-6 (NUMBER)	M-7 (NUMBER)	M-8 (NUMBER)	M-9 (NUMBER)
11				3	Y								2		
12				2	Y								1		
13					Y								1		

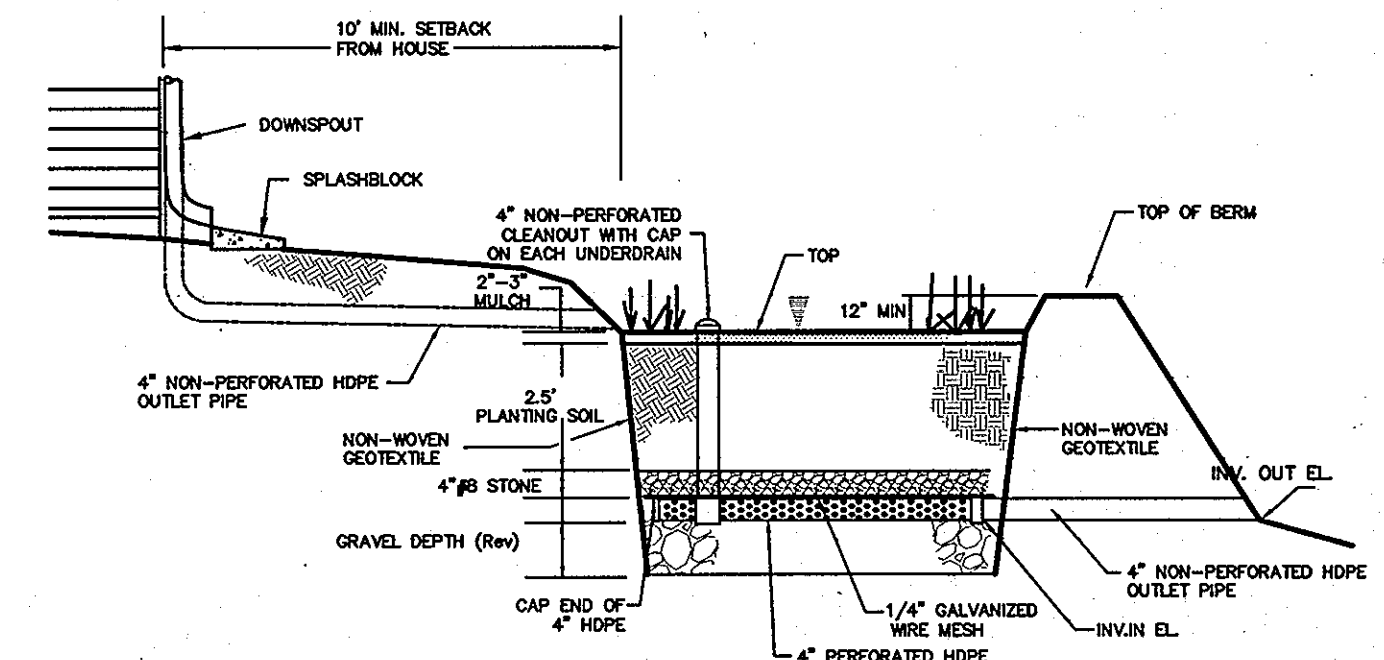
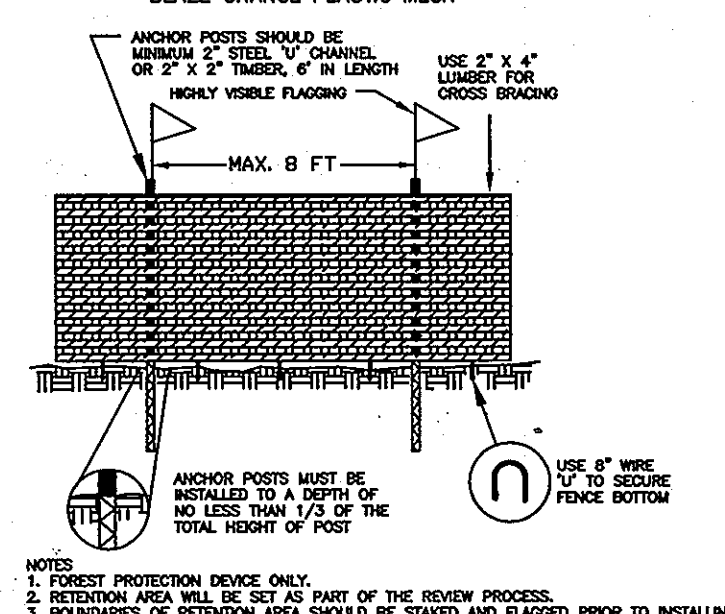
FOREST CONSERVATION WORKSHEET

NET TRACT AREA:
 A. Total tract area: 1.6
 B. Area within 100 year floodplain & overhead transmission line = 0.00
 C. Area to remain in agricultural production: 0.00
 D. Net tract area: 1.6

LAND USE CATEGORY:
 Input the number "1" under the appropriate land use zoning, and limit to only one entry.
 AREA MDR IDA HDR MPD CIA
 0 0 0 1 0 0
 E. Afforestation Threshold: 15% X D = 0.24
 F. Conservation Threshold: 20% X D = 0.32

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: 0.24
 Total reforestation and afforestation provided: 0.24

PROTECTIVE FENCE DETAIL



TYPICAL RAIN GARDEN PROFILE

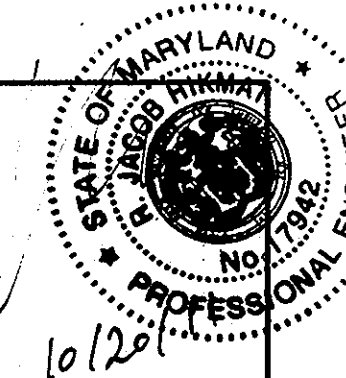
OWNER/DEVELOPER

HARMONY BUILDERS
4225 COLUMBIA ROAD
ELLICOTT CITY, MARYLAND 21042
410-461-0833

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: [Signature]
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 10/27/11

Signature: [Signature]
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 10/25/11



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.

Project date: OCT. 2011
 Illustration: MDMK
 scale: 1"=30'
 approval: RJH

description: [Blank]
 revisions: [Blank]

KOERBER PROPERTY, LOTS: 11-13
 A RESUBDIVISION OF LOT 6
 TAX MAP 24, GRID 10, PARCEL 427, LOT 6
 HOWARD COUNTY, MARYLAND
 SECOND ELECTION DISTRICT
SOILS/TOPO/LANDSCAPE/SUPPLEMENTAL PLAN

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 6800 Deepwater Road, Suite 150, Ellicott City, Maryland 21075
 (410) 987-0236 Baltimore (410) 987-0236 Fax