

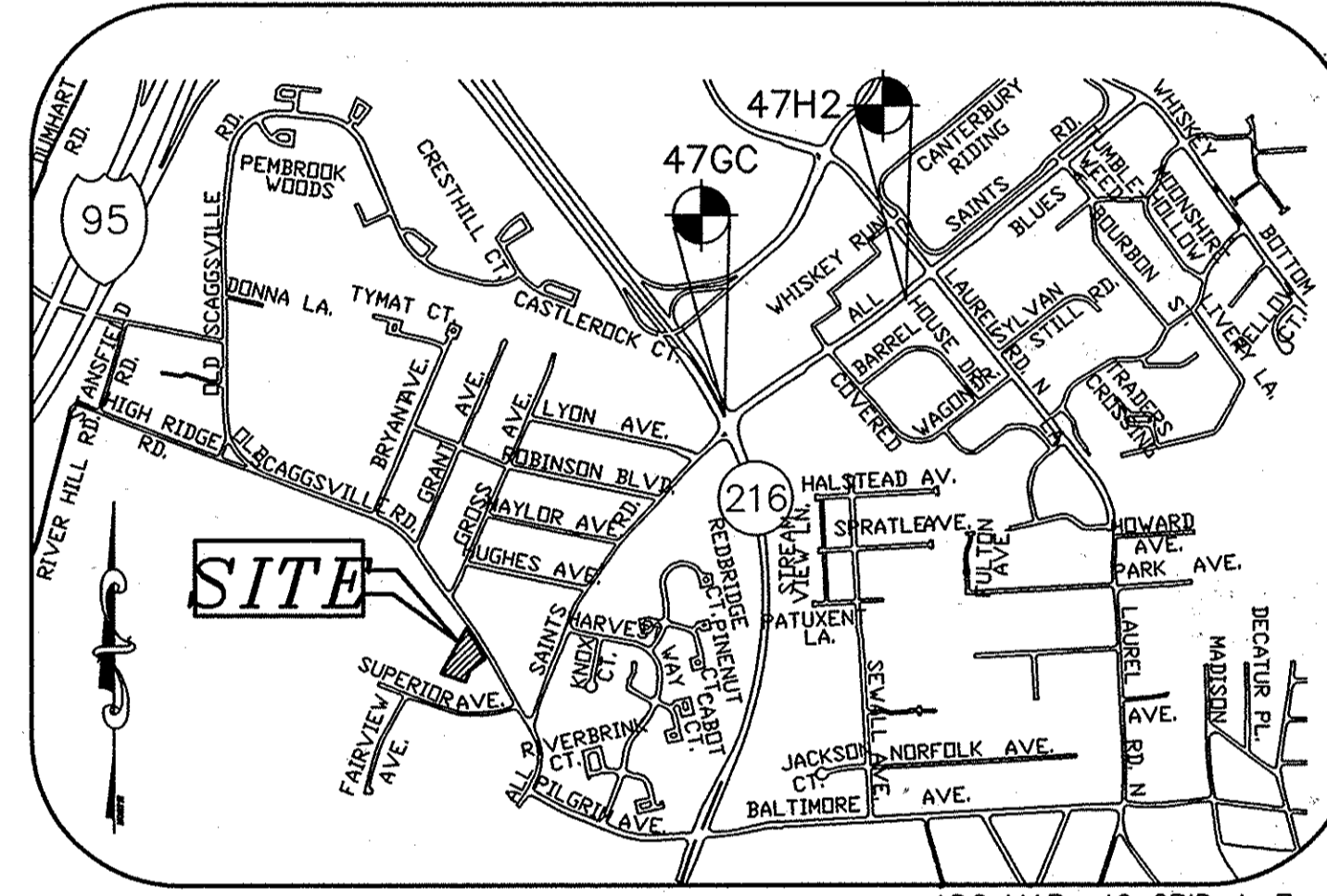
PERMIT INFORMATION BLOCK				
SUBDIVISION NAME: NEWELL PROPERTY		SECTION/AREA: N/A	PARCEL: 96 LOTS 1 THRU 4	
PLAT NO. 22954	BLOCK(S) 2	ZONING R-SC	TAX MAP NO. 50	ELECTION DISTRICT SIXTH
		CENSUS TRACT 606906		

# SITE DEVELOPMENT PLAN NEWELL PROPERTY LOTS 1 THRU 4 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

### INDEX OF DRAWINGS

NO.	DESCRIPTION
1	COVER SHEET
2	SITE DEVELOPMENT PLAN
3	SEDIMENT CONTROL NOTES AND DETAILS

PLEASE NOTE THAT ALL LOTS/RESIDENTIAL UNITS IN THE SUBDIVISION ARE SUBJECT TO THE MIHU FEE-IN-LIEU REQUIREMENT THAT IS TO BE CALCULATED AND PAID TO THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AT THE TIME OF BUILDING PERMIT ISSUANCE BY THE PERMIT APPLICANT.



**VICINITY MAP**  
SCALE: 1"=2000'

### GENERAL NOTES:

- SUBJECT PROPERTY ZONED "R-SC" PER THE 10/06/13 COMPREHENSIVE ZONING PLAN.
- ALL ASPECTS OF THE PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS.
- SITE ANALYSIS DATA:**  
LOCATION: TAX MAP: 50 PARCEL: 96 GRID: 2  
ELECTION DISTRICT: SIXTH  
ZONING: R-SC  
PROPOSED USE FOR SITE: RESIDENTIAL  
TYPE OF PROPOSED UNIT: SFD  
TOTAL NUMBER OF UNITS: 4  
TOTAL AREA: 1.12 AC±  
LIMIT OF DISTURBANCE: 0.95 AC±  
DP2 FILE NO.: ECP-13-047, F-14-001, WP-14-030, WP-14-115  
A MINIMUM OF 2.5 PARKING SPACES (WHICH INCLUDES GUEST PARKING) IS REQUIRED FOR EACH UNIT IN ACCORDANCE WITH THE ZONING REGULATIONS AND THE DESIGN MANUAL. A TOTAL OF FOUR (4) PARKING SPACES HAVE BEEN PROVIDED FOR EACH RESIDENCE WITH EACH RESIDENCE HAVING TWO (2) GARAGE SPACES AND TWO (2) DRIVEWAY SPACES.
- ON-SITE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY CONDUCTED BY MILDENBERG, BOENDER & ASSOCIATES ON OR ABOUT JANUARY 2013.
- HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 47GC AND 47H2.  
STA. No. 47GC N 528,939.7281, E 1,354,223.5536, ELEV. 234.996  
STA. No. 47H2 N 529,706.4221, E 1,355,445.3364, ELEV. 225.653
- IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS, OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:  
A) WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE).  
B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING.  
C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45-FOOT TURNING RADIUS.  
D) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).  
E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.  
F) STRUCTURE CLEARANCES - MINIMUM 12 FEET  
G) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISION OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED 16 SHADE AND 6 EVERGREEN TREES IN THE AMOUNT OF \$5,700.00 IS PART OF THE BUILDERS GRADING PERMIT APPLICATION FOR LOTS 1 THRU 4.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST 48 HOURS PRIOR TO EXCAVATION WORK BEING DONE.  
MISS UTILITY 800-257-7777  
VERIZON TELEPHONE COMPANY (410) 725-8976  
HOWARD COUNTY BUREAU OF UTILITIES (410) 313-4900  
AT&T CABLE LOCATION DIVISION (410) 393-3533  
BALTIMORE GAS & ELECTRIC (410) 685-0123  
STATE HIGHWAY ADMINISTRATION (410) 531-5533
- STORMWATER MANAGEMENT REQUIREMENTS WILL BE SATISFIED VIA MICROBIORETENTION FACILITIES AND NON-ROOFTOP DISCONNECTIONS APPROVED UNDER F-14-001.
- EXISTING UTILITIES ARE BASED ON ACTUAL FIELD LOCATIONS, IN COMBINATION WITH EXISTING WATER AND SEWER CONTRACTS.
- ANY DAMAGE TO THE COUNTY RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- SEWER HOUSE CONNECTION ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE OR EASEMENT LINE.
- FOR DRIVEWAY ENTRANCE DETAILS, REFER TO HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD DETAIL R-6.06.
- NO CEMETERIES EXIST ON SITE. THERE WAS A HISTORIC STRUCTURE CIRCA 1884 LOCATED ON THIS SITE WHICH WAS DESTROYED PRIOR TO REGRADATION OF THE SUBDIVISION PLAT. A PRE-SUBMISSION MEETING WAS HELD WITH THE HISTORIC COMMISSION ON MAY 2, 2013. CASE #HDC-13-020. THIS SITE IS NOT ADJACENT TO A HISTORIC DISTRICT OR A DESIGNATED SCENIC ROAD.
- THIS SUBDIVISION IS IN THE METROPOLITAN DISTRICT. WATER AND SEWER ARE PUBLIC (CONTRACT# W-1 AND 30-S).
- A PRIVATE RANGE OF ADDRESS SIGN SHALL BE FABRICATED AND INSTALLED BY HOWARD COUNTY BUREAU OF HIGHWAYS AT THE DEVELOPERS/OWNERS EXPENSE. CONTACT HOWARD COUNTY TRAFFIC DIVISION AT (410) 313-2430. SIGNS AND THE STREET NAME SIGN (SNS) ASSEMBLIES MUST BE INSTALLED BEFORE THE BASE PAVING IS COMPLETED.
- THE OPEN SPACE REQUIREMENT FOR THIS PROJECT WAS PROVIDED UNDER F-14-001 THROUGH THE PAYMENT OF A FEE-IN-LIEU OF PROVIDING OPEN SPACE IN THE AMOUNT OF \$6,000.00 AND IN ACCORDANCE WITH THE CONDITIONS OF APPROVAL OF WP-14-030.
- THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES, AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OWNER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
- AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.
- SHOULD ANY TREE DESIGNATED FOR PRESERVATION, FOR WHICH LANDSCAPING 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 MEET SIZE AND INSTALLATION REQUIREMENTS AS SPECIFIED IN THE LANDSCAPE MANUAL.
- FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT WAS FULFILLED BY PAYMENT OF A FEE-IN-LIEU OF AFFORESTATION FOR 0.17 ACRES (7,405.20 S.F.) IN THE AMOUNT OF \$5,553.90 UNDER F-14-001.
- FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY LINE AND NOT ONTO THE PIPESTEM LOT DRIVEWAY.
- NO WETLANDS, STREAMS, OR THEIR REQUIRED BUFFERS, FLOODPLAIN, STEEP SLOPES GREATER THAN 25%, SPECIMEN TREES OR FOREST CONSERVATION EASEMENT EXIST ON SITE AS CERTIFIED BY MILDENBERG, BOENDER, & ASSOCIATES IN A WETLAND CERTIFICATION LETTER DATED JANUARY 2013 UNDER F-14-001.
- THIS PROJECT IS SUBJECT TO WP-14-030, APPROVED ON OCTOBER 28, 2013 WAIVING SECTION 16.121(b),(2),(1) WHICH REQUIRES A MINIMUM OPEN SPACE EQUAL TO 25% OF THE TOTAL TRACT AREA BE PROVIDED FOR A SUBDIVISION WITHIN THE R-SC ZONING DISTRICT. APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:  
1. PRIOR TO THE SIGNATURE OF THE FINAL SUBDIVISION PLAT, THE DEVELOPER IS REQUIRED TO PAY A FEE-IN-LIEU OF ACTUAL ESTABLISHMENT OF OPEN SPACE IN THE AMOUNT OF \$6,000.00. THIS AMOUNT IS COMPLIANT WITH THE FEE SCHEDULE OF \$1,500.00 PER LOT ADOPTED BY THE COUNTY COUNCIL.  
2. COMPLIANCE WITH THE DEPARTMENT OF INSPECTIONS, LICENSES AND PLAN, F-14-001, IS REQUIRED PRIOR TO SIGNATURE APPROVAL OF THE FINAL PLAT.
- THE DEVELOPER OF THIS PROJECT HAS OPTED TO PAY THE COUNTY A FEE-IN-LIEU OF PROVIDING SIDEWALKS ALONG THE PORTION OF THIS DEVELOPMENT WHICH FRONTS ON THE COUNTY ROAD IN ACCORDANCE WITH THE PROVISIONS ALLOWED IN SECTION 16.134(a),(1) OF THE SUBDIVISION REGULATIONS. THE FEE-IN-LIEU IN THE AMOUNT OF \$15,850.50 IS BASED ON THE UNIT PRICES FOR THE COST TO CONSTRUCT THE SIDEWALK INCLUDING CURB AND GUTTER, AND SHALL BE SPENT ON THE SIDEWALKS IN THE SAME GENERAL PLAN PLANNING AREA AS THE DEVELOPMENT. THE SIDEWALK FEE WAS PAID AT THE TIME OF SUBDIVISION UNDER F-14-001.
- PLEASE NOTE THAT ALL LOTS/RESIDENTIAL UNITS IN THE SUBDIVISION ARE SUBJECT TO THE MIHU FEE-IN-LIEU REQUIREMENT THAT IS TO BE CALCULATED AND PAID TO THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AT THE TIME OF BUILDING PERMIT ISSUANCE BY THE PERMIT APPLICANT.
- THE MODERATE INCOME HOUSE UNIT AGREEMENT WAS RECORDED AT THE TIME OF THE SUBDIVISION, UNDER F-14-001, IN THE LAND RECORDS OF HOWARD COUNTY ON 8/28/2014. AS LIBER 15756/FOLIO 112.
- A USE-IN-COMMON DRIVEWAY EASEMENT AND DRIVEWAY MAINTENANCE AGREEMENT WAS RECORDED AT THE TIME OF THE SUBDIVISION, UNDER F-14-001, IN THE LAND RECORDS OF HOWARD COUNTY ON 8/28/2014 AS LIBER 15756/FOLIO 108.
- INDIVIDUAL HOUSE SITES SHALL PROVIDE PRIVATE DRIVEWAY WITH A MINIMUM 18 FOOT DEPTH FROM THE FACE OF THE GARAGE TO THE EDGE OF THE USE-IN-COMMON DRIVEWAY SO THAT A CAR IF PARKED IN THE DRIVEWAY, WILL NOT OVERHANG INTO THE PAVED ARE OF THE SHARED DRIVEWAY.
- VISITOR AND GUEST PARKING IS RESTRICTED ALONG THE SHARED DRIVEWAY IN ORDER TO PROVIDE ADEQUATE UNOBSTRUCTED ACCESS TO ALL DWELLINGS AT ALL TIMES AS REQUIRED BY HOWARD COUNTY DEPARTMENT OF FIRE AND RESCUE.

### OWNER/DEVELOPER

HARMONY BUILDERS  
4228 COLUMBIA ROAD  
ELLCOTT CITY, MARYLAND 21042  
410-461-0833

### DEVELOPERS CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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. HOWARD SOIL CONSERVATION DISTRICT IS AUTHORIZED TO PERIODIC ON-SITE INSPECTION.

*Christopher L. Brown* 10/3/14  
SIGNATURE OF DEVELOPER DATE

*Christopher L. Brown*  
PRINTED NAME OF DEVELOPER

### ENGINEER'S CERTIFICATE

I 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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. Jacob Hikmat, PE* 10/14/14  
SIGNATURE OF ENGINEER DATE

R. JACOB HIKMAT, PE  
PRINTED NAME OF ENGINEER

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

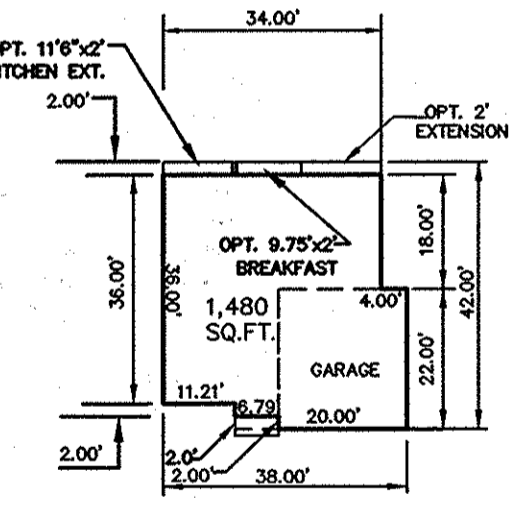
*John R. Polunton* 11/20/14  
SIGNATURE OF HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING

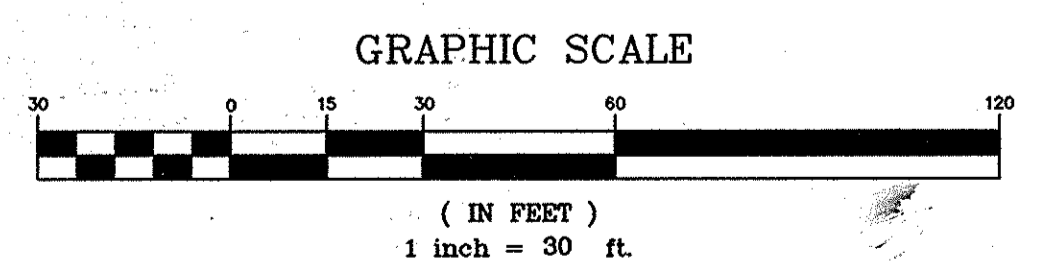
*Chad Coleman* 11-13-14  
SIGNATURE OF CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Walter J. L. L...* 11-21-14  
SIGNATURE OF CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*Mark P. ...* 11/6/14  
SIGNATURE OF DIRECTOR DATE



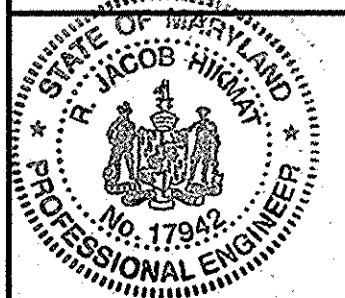
**ROCKBURN 34**  
SCALE 1"=30'



### ADDRESS CHART

LOT #	ADDRESS
1	9316 OLD SCAGGSVILLE ROAD
2	9314 OLD SCAGGSVILLE ROAD
3	9312 OLD SCAGGSVILLE ROAD
4	9310 OLD SCAGGSVILLE ROAD

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 9/03/16.  
*R. JACOB HIKMAT, P.E.* 10/14/14  
DATE



date	SFP	2014	approval	R/H
12-082	illustration	MMW/MT	MMW/MT	

no.	description	revisions

NEWELL PROPERTY LOTS 1-4  
SINGLE FAMILY DETACHED  
COVER SHEET  
6TH ELECTION DIST. HOWARD COUNTY, MD, TAX MAP 50, GRID 2, PARCEL 96

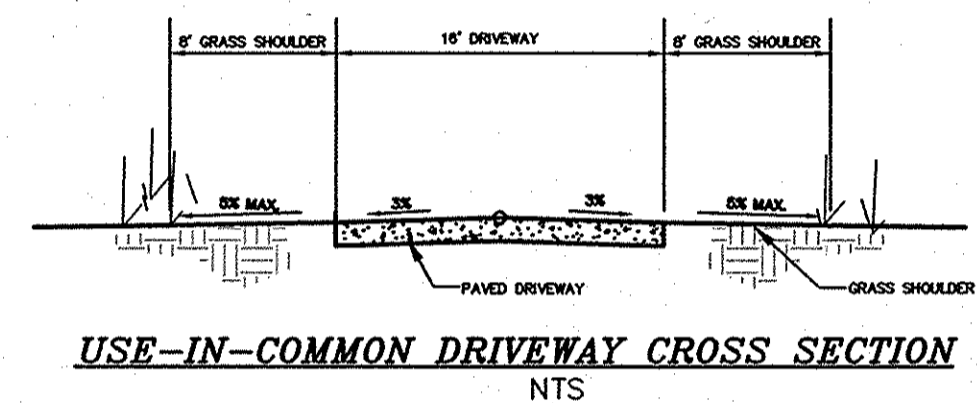
**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
7350-B Grace Drive, Columbia, Maryland 21044  
(410) 997-0296 Bat. (410) 997-0296 Fax

**SOILS DESCRIPTION**

UcB- (D) -URBAN LAND-CHILLUM-BELTSVILLE COMPLEX, 0-5% SLOPES.(D)

**LEGEND**

- DENOTES PROPOSED DRIVEWAY
- NON-ROOFTOP DISCONNECTION
- SLOPES 15%-24.9%
- SANITARY MH
- LANDSCAPE PERIMETER EDGE
- MICRO-BIORETENTION FACILITY
- LDD - LIMIT OF DISTURBANCE
- SUPER SILT FENCE
- EX. OVERHEAD POWER LINE
- EX. BGE POLE
- EX. FENCE



**OWNER/DEVELOPER**

HARMONY BUILDERS  
4228 COLUMBIA ROAD  
ELLICOTT CITY, MARYLAND 21042  
410-461-0833

**DEVELOPERS CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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. HOWARD SOIL CONSERVATION DISTRICT IS AUTHORIZED TO PERIODIC ON-SITE INSPECTION.

*Christopher L. Brown* 10/31/14  
SIGNATURE OF DEVELOPER DATE  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**

I 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 NATURAL RESOURCE CONSERVATION SERVICE.

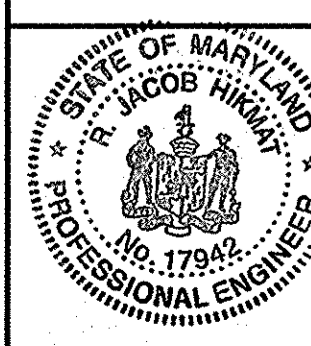
*R. Jacob Hikmat, PE* 10/14/14  
SIGNATURE OF ENGINEER DATE  
PRINTED NAME OF ENGINEER

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

*John P. Kolton* 11/20/14  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Christy E. ...* 11-13-14  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*Walter ...* 11-21-14  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE  
*David ...* 11/2/14  
DIRECTOR DATE

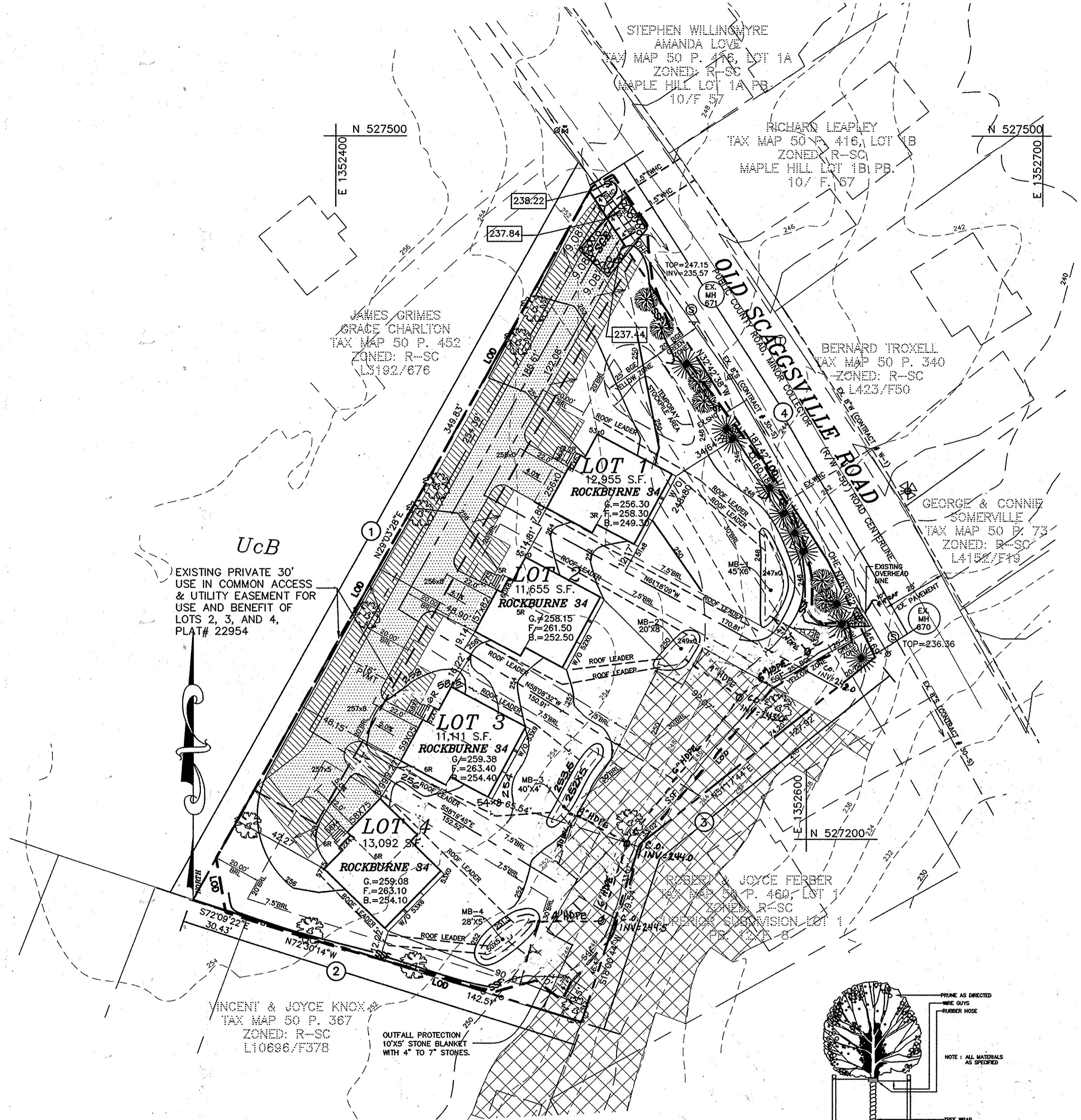


I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17942, EXP DATE 09/03/16.  
R. JACOB HIKMAT P.E. 10/14/14 DATE

**DEVELOPER'S/OWNER'S CERTIFICATE**  
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE, AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.  
*Christopher L. Brown* 10/31/14  
OWNER DATE

**STORMWATER MANAGEMENT PRACTICES**

LOT #	GREEN ROOF (Y/N)	PERMEABLE PAVEMENTS (Y/N)	REINFORCED TURF (Y/N)	DISCONNECTION OF ROOFTOP RUNOFF (NUMBER)	DISCONNECTION OF NON-ROOFTOP RUNOFF (Y/N)	SHEETFLOW TO CONSERVATION AREAS (Y/N)	RAINWATER HARVESTING (NUMBER)	SUBMERGED GRAVEL WETLANDS (NUMBER)	LANDSCAPE INFILTRATION (NUMBER)	INFILTRATION BEDS (NUMBER)	DRY WELLS (NUMBER)	MICRO-BIORETENTION (NUMBER)	RAIN GARDENS (NUMBER)	SWALES (NUMBER)	ENHANCED FILTERS (NUMBER)
1					Y										
2					Y										
3					Y										
4					Y										



**PLANT LIST**

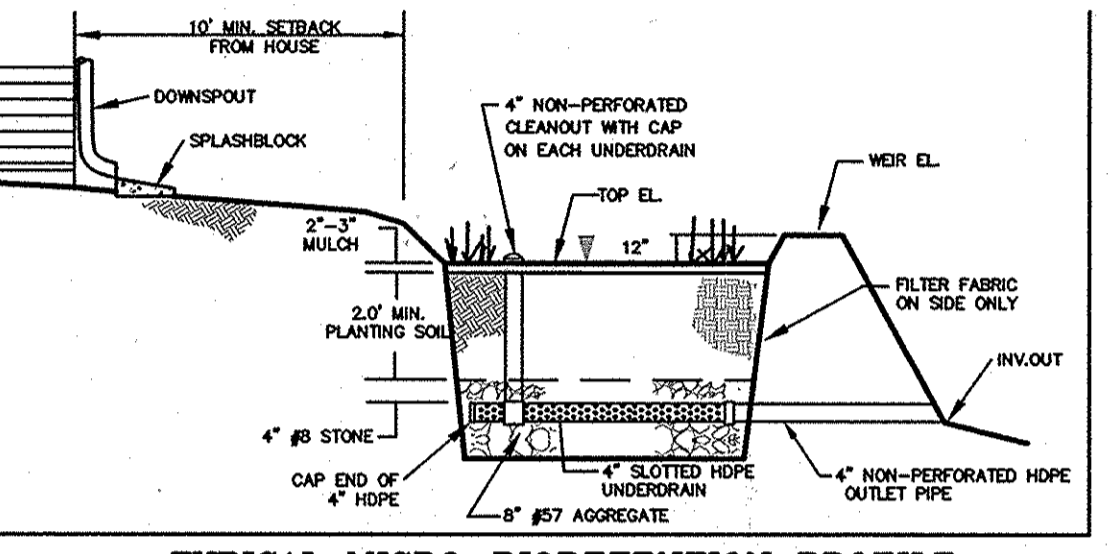
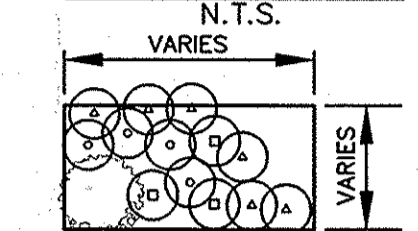
QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
4	○	ILEX GLABRA	INK BERRY	2' - 3' HT.
15	○	LOBELIA SIPHILITICA	ORCHID BLUE	1 GAL. CONTAINER
10	○	ONOCLEA SENSIBILIS	SENSITIVE FERN	1 GAL. CONTAINER
5	○	ASTER NOVAE-ANGIAE	NEW ENGLAND ASTER	1 GAL. CONTAINER

TOTAL (B)-1: 30 PERENNIALS, 4 SHRUB  
TOTAL (B)-2: 20 PERENNIALS, 2 SHRUB  
TOTAL (B)-3: 20 PERENNIALS, 2 SHRUB  
TOTAL (B)-4: 20 PERENNIALS, 2 SHRUB

**BIO-RETENTION SCHEDULE**

NO.	SIZE	TOP EL.	WEIR EL.	INV. IN	INV. OUT
1	270 S.F.	247.00	248.00	244.08	243.93
2	157 S.F.	249.00	250.00	246.08	245.93
3	180 S.F.	252.00	253.00	249.08	248.93
4	140 S.F.	250.50	251.50	247.58	247.43

**MICRO-BIORETENTION PLANTING DETAIL**



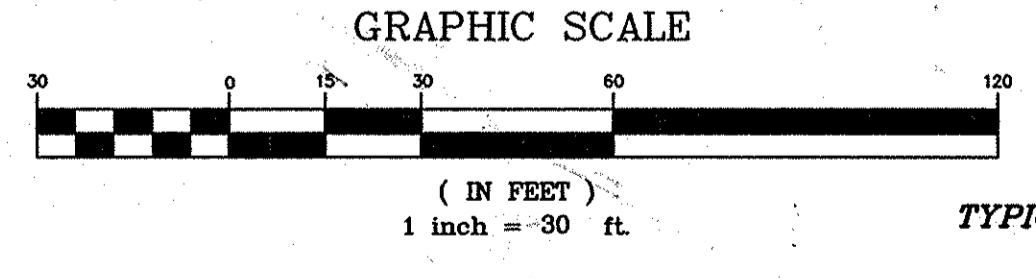
TYPICAL MICRO-BIORETENTION PROFILE FOR LOTS 1 THRU 4 NTS

**SWM PRACTICES SCHEDULE**

LOT #	PROPOSED PRACTICES	REQUIRED ESDV / TARGET ESDV	PROVIDED ESDV
LOT 1	N-2, NON-ROOFTOP DISCONNECTION ONE (1) M-5, MICRO BIO-RETENTION FACILITY	414.6 CF	568.0 CF
LOT 2	N-2, NON-ROOFTOP DISCONNECTION ONE (1) M-5, MICRO BIO-RETENTION FACILITY	320.5 CF	333.8 CF
LOT 3	N-2, NON-ROOFTOP DISCONNECTION ONE (1) M-5, MICRO BIO-RETENTION FACILITY	322.2 CF	396.0 CF
LOT 4	N-2, NON-ROOFTOP DISCONNECTION ONE (1) M-5, MICRO BIO-RETENTION FACILITY	250.9 CF	271.9 CF

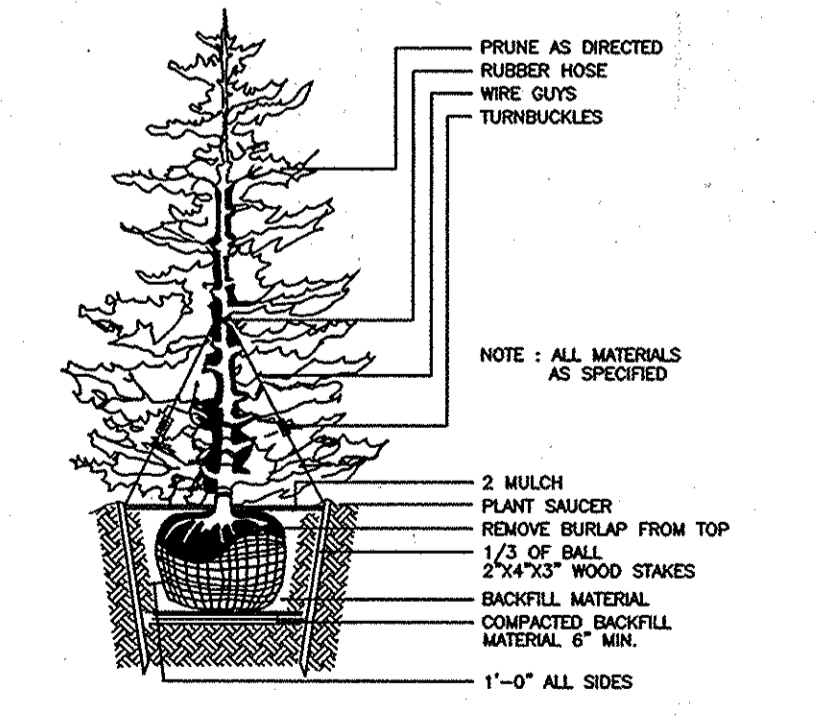
**LANDSCAPE REQUIREMENT PLANTING SCHEDULE**

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
11	○	PRUNUS SARGENTI	SARGENT CHERRY	2 1/2" - 3" CAL. OR EQUIVALENT AS OUTLINED IN THE HOWARD COUNTY LANDSCAPE MANUAL
10	○	THUJA OCCIDENTALIS 'NIGRA'	ARBORVITAE NIGRA	6"-8" HGT. OR EQUIVALENT AS OUTLINED IN THE HOWARD COUNTY LANDSCAPE MANUAL. SUBSTITUTIONS SHALL NOT EXCEED 25' WHICH IS THE MAXIMUM HEIGHT FOR VEGETATION PLANTED WITHIN 20' OF BGE POWER LINE OR TRANSMISSION R/W (BGE GREEN ZONE).
6	○	THUJA OCCIDENTALIS 'EMERALD'	ARBORVITAE EMERALD	5"-6" HGT. OR EQUIVALENT AS OUTLINED IN THE HOWARD COUNTY LANDSCAPE MANUAL. SUBSTITUTIONS SHALL NOT EXCEED 25' WHICH IS THE MAXIMUM HEIGHT FOR VEGETATION PLANTED WITHIN 20' OF BGE POWER LINE OR TRANSMISSION R/W (BGE GREEN ZONE).
TOTAL				11 SHADE TREES AND 16 EVERGREEN TREES



**SCHEDULE A: PERIMETER LANDSCAPED EDGE**

CATEGORY	ADJACENT TO PERIMETER PROPERTIES				TOTAL
	A (PERIMETER 1)	A (PERIMETER 2)	A (PERIMETER 3)	B (PERIMETER 4)	
LANDSCAPE TYPE					
LINEAR FEET OF PERIMETER	334.83 LF	142.51 LF	207.46 LF	235.58 LF	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	NO	NO	NO	
NUMBER OF PLANTS REQUIRED					
SHADE TREES	6 SHADE TREES	2 SHADE TREES	3 SHADE TREES	5 SHADE TREES	16 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES
SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS
NUMBER OF PLANTS PROVIDED					
SHADE TREES	6 SHADE TREES	2 SHADE TREES	3 SHADE TREES	0 SHADE TREES	11 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES
OTHER TREES (2:1 SUBSTITUTION)	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES
SHRUBS (10:1 SUBSTITUTION)	0 SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS



TYPICAL EVERGREEN TREE PLANTING DETAIL NOT TO SCALE

PROJECT: SEP 2014  
DATE: 12-03-14  
ILLUSTRATION: MAMA WMT  
SCALE: 1"=30'

REVISIONS:  
1. REV. GRP. & B.G. ELEMENTS TO REFLECT AS-BUILT  
2. REVISED MICRO-BIORETENTION FACILITIES OUTFALL

NEWELL PROPERTY LOTS 1-4  
SINGLE FAMILY DETACHED  
6TH ELECTION DIST. HOWARD COUNTY, MD. TAX MAP 50, GRID 2, PARCEL 96  
SITE DEVELOPMENT PLAN

MILDENBERG & ASSOC., INC.  
Boender & Assoc., Inc.  
Engineers Planners Surveyors  
7350-B Grace Drive, Columbia, Maryland 21044  
(410) 997-0298 Fax

(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.

- A. SOIL PREPARATION
1. TEMPORARY STABILIZATION
a. SEEDING PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 INCHES BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT...
b. MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES...
c. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
2. PERMANENT STABILIZATION
a. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE...

- B. TOPSOILING
1. TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.
2. TOPSOIL SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS...
3. TOPSOILING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES...
4. AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN.
5. TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING CRITERIA:
a. TOPSOIL MUST BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, OR LOAMY SAND...

- C. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)
1. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OF 5 ACRES OR MORE...
2. FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROPRIATE EQUIPMENT...
3. LIME MATERIALS MUST BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED EXCEPT WHEN HYDROSEEDING WHICH CONTAINS AT LEAST 50 PERCENT TOTAL OXIDES (CALCIUM OXIDE PLUS MAGNESIUM OXIDE)...
4. LIME AND FERTILIZER ARE TO BE EVENLY DISTRIBUTED AND INCORPORATED INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS...

(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.

- A. SEEDING
1. SPECIFICATIONS
a. ALL SEEDS MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW...
b. MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES...
c. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL...
2. APPLICATION
a. DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST SPREADERS...
b. DRILL OR CULTPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL...
c. HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER)...

- B. MULCHING
1. MULCH MATERIALS (IN ORDER OF PREFERENCE)
a. STRAW CONSISTING OF THOROUGHLY THRESHED WHEAT, RYE, OAT, OR BARLEY...
b. WOOD CELLULOSE FIBER MULCH (WCFM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE...
2. APPLICATION
a. APPLY MULCH TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING...
b. WHEN STRAW MULCH IS USED, SPREAD IT OVER ALL SEEDED AREAS...
c. WOOD CELLULOSE FIBER MULCH AS MULCH MUST BE APPLIED AT A NET DRY WEIGHT OF 1500 POUNDS PER ACRE...
3. ANCHORING
a. PERFORATE MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMIZE LOSS BY WIND...
b. A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE...

EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL SEDIMENT CONTROL OPERATIONS ARE TO BE DONE IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY VOLUME IV DESIGN MANUAL AND THE STANDARDS AND SPECIFICATIONS FOR SEDIMENT CONTROL IN DEVELOPING AREAS.
2. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST ORDER OF BUSINESS.
3. ALL EXCAVATED MATERIALS SHALL BE STOCKPILED ON THE UPGRADE SIDE OF THE MAIN TRENCH.
4. EXCAVATION AND BACKFILL SHALL BE LIMITED TO THAT WHICH CAN BE STABILIZED WITHIN ONE WORKING DAY.
5. IMMEDIATELY FOLLOWING BACKFILL OF THE SEWER TRENCH, ALL DISTURBED AREAS ARE TO BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION AND SEEDING NOTES SHOWN ON THIS SHEET.
6. THROUGHOUT THE PROJECT, THE CONTRACTOR SHALL REGULARLY INSPECT ALL SEDIMENT CONTROL DEVICES AND PROVIDE ALL NECESSARY MAINTENANCE TO INSURE THAT ALL DEVICES ARE IN OPERATIVE CONDITION.
7. ALL SEDIMENT CONTROL FACILITIES SHALL REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT. (1 DAY)
2. INSTALL SUPER SILT FENCE SHOWS ON PLAN. (2 DAY)
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AT LOCATION SHOWN (1 DAY)
4. GRADE SITE PER PLAN. (5 DAYS)
5. CONSTRUCT USE-IN-COMMON DRIVEWAY. (5 DAYS)
6. CONSTRUCT HOUSES (90-180 DAYS PER HOUSE)
7. CONSTRUCT MICRO-BIOTRETMENT FACILITY. (3 DAYS)
8. COMPLETE FINE GRADING OF SITE TO GRADES INDICATED (2 DAYS)
9. SEED AND MULCH ALL REMAINING DISTURBED AREAS. (1 DAY PER)
10. WHEN ALL CONTRIBUTING DRAINAGE AREAS TO SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED, AND WITH PERMISSION OF SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES FROM FOREST CONSERVATION AREA AND STABILIZE REMAINING DISTURBED AREAS (1 DAY).

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DISCONNECTION OF ROOFTOP RUNOFF (M-1), DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2)

MAINTENANCE OF AREAS RECEIVING DISCONNECTED RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS. THE OWNER SHALL ENSURE THE AREAS RECEIVING RUNOFF ARE PROTECTED FROM FUTURE COMPACTED DEVELOPMENT OF IMPERVIOUS AREA. IN COMMERCIAL AREAS, FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

OPERATION AND MAINTENANCE SCHEDULE FOR RAINGARDENS (M-7)

- A. THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYER AND SOIL LAYER ANNUALLY. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING.
B. THE OWNER SHALL PERFORM A PLANT IN THE SPRING AND IN THE FALL OF EACH YEAR. DURING THE INSPECTION, THE OWNER SHALL REMOVE DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT.
C. THE OWNER SHALL INSPECT THE MULCH EACH SPRING. THE MULCH SHALL BE REPLACED EVERY TWO TO THREE YEARS. THE PREVIOUS MULCH LAYER SHALL BE REMOVED BEFORE THE NEW LAYER IS APPLIED.
D. THE OWNER SHALL CORRECT SOIL EROSION ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER EACH HEAVY STORM.

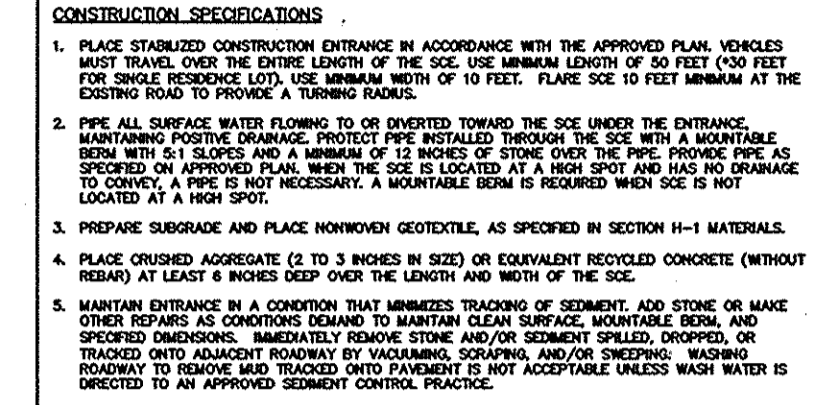
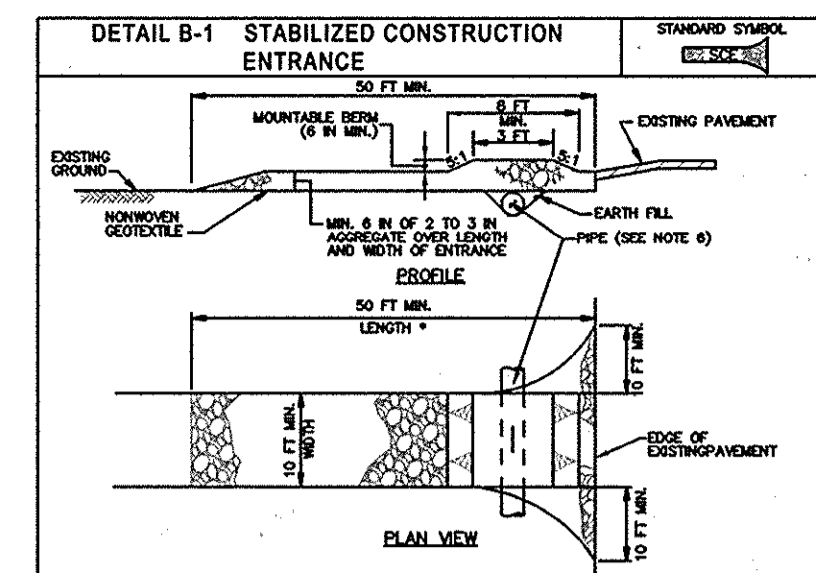
STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:
A. THREE (3) CALENDAR DATES AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), AND
B. SEVEN (7) CALENDAR DATES AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

(B-4-5) STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

DEFINITION: TO STABILIZE DISTURBED SOIL WITH PERMANENT VEGETATION.
PURPOSE: TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER OF DISTURBED EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE.

- A. SEED MIXTURES
1. GENERAL USE
a. SELECT ONE OR MORE OF THE SPECIES OF MIXTURES LISTED IN TABLE B.3 FOR THE APPROPRIATE PLANT HARDNESS ZONE...
b. ADDITIONAL PLANTING SPECIFICATIONS FOR EXCEPTIONAL SITES SUCH AS SHORELINES, STREAM BANKS...
c. FOR AREAS RECEIVING LOW MAINTENANCE, APPLY UREA AND SHOW RATERS RECOMMENDED BY THE SOIL TESTING AGENCY.
2. TURFGRASS MIXTURES
a. AREAS WHERE TURFGRASS MAY BE DESIRED INCLUDE LAWNS, PARKS, PLAYGROUNDS, AND COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE...
b. TALL FESCUE/KENTUCKY BLUEGRASS: FULL MIXTURE...
c. IDEAL TIMES OF SEEDING FOR TURF GRASS MIXTURE
WESTERN MD: MARCH 1 TO MAY 15, AUGUST 1 TO OCTOBER 1 (HARDNESS ZONES: 5B,6A)
CENTRAL MD: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDNESS ZONE: 6B)
SOUTHERN MD, EASTERN SHORE: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDNESS ZONE: 7A, 7B)
d. TALL FESCUE TO RECEIVE SEED BY DISKING OR OTHER APPROVED METHODS TO A DEPTH OF 2 TO 4 INCHES...
e. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT GROWTH...



TABLES OF CONSTRUCTION SPECIFICATIONS and CONSTRUCTION SPECIFICATIONS for erosion and sediment control measures.

(B-4-8) STANDARDS AND SPECIFICATION FOR STOCKPILE AREA

DEFINITION: A MOUND OR PILE OF SOIL PROTECTED BY APPROPRIATELY DESIGNED EROSION AND SEDIMENT CONTROL MEASURES.
PURPOSE: TO PROVIDE A DESIGNATED LOCATION FOR THE TEMPORARY STORAGE OF SOIL THAT CONTROLS THE POTENTIAL FOR EROSION, SEDIMENTATION AND CHANGES TO DRAINAGE PATTERNS.

- A. THE STOCKPILE LOCATION AND ALL RELATED SEDIMENT CONTROL PRACTICES MUST BE CLEARLY INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN.
B. THE FOOTPRINT OF STOCKPILE MUST BE SIZED TO ACCOMMODATE THE ANTICIPATED VOLUME OF MATERIAL AND BE BASED ON A SIDE SLOPE RATIO NO STEEPER THAN 2:1.
C. RUNCOFF FROM THE STOCKPILE AREA MUST DRAIN TO A SUITABLE SEDIMENT CONTROL PRACTICE.
D. CLEAR WATER RUNOFF INTO THE STOCKPILE AREA MUST BE MINIMIZED BY USE OF A DIVERSION DITCH SUCH AS AN EARTH DITCH, TEMPORARY SWALE OR DIVERSION FENCE.
E. WHERE RUNOFF CONCENTRATES ALONG THE TOE OF THE STOCKPILE FILL, AN APPROPRIATE EROSION/SEDIMENT CONTROL PRACTICE MUST BE USED TO INTERCEPT THE DISCHARGE.

MAINTENANCE: THE STOCKPILE AREA MUST CONTINUOUSLY MEET THE REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION. SIDE SLOPES MUST BE MAINTAINED AT NO STEEPER THAN 2:1 RATIO. THE STOCKPILE AREA MUST BE KEPT FREE OF EROSION. IF THE VERTICAL HEIGHT OF A STOCKPILE EXCEEDS 20 FEET AT LEAST 3 FEET PER 31 FEET HORIZONTAL, OR 40 FEET FOR 4:1 SLOPES, BENCHING MUST BE PROVIDED IN ACCORDANCE WITH SECTION B-3 LAND GRADING.

ENGINEER'S CERTIFICATE
I 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 NATURAL RESOURCE CONSERVATION SERVICE.
Signature: R. JACOB HIKMAT, P.E.
Date: 10/14/14

DEVELOPERS CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSON INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT.
Signature: Christopher L. Brown
Date: 10/3/14

DEPARTMENT OF PUBLIC WORKS
DEPARTMENT OF PLANNING AND ZONING
Signature: [Name]
Date: 11/20/14

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.
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL...
3. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
4. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
5. ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL...
6. A PROJECT IS TO BE SEQUENCED SO THAT GRADING ACTIVITIES BEGIN ON ONE GRADING UNIT (MAXIMUM ACREAGE OF 20 AC, PER GRADING UNIT) AT A TIME. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHICH IS AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE ENFORCEMENT AUTHORITY...

(B-4-4) STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION

DEFINITION: TO STABILIZE DISTURBED SOIL WITH VEGETATION FOR UP TO 6 MONTHS.
PURPOSE: TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURB SOIL.
CONDITIONS WHERE PRACTICE APPLIES: EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR A PERIOD OF 6 MONTHS OR LESS. FOR LONGER DURATION OF TIME, PERMANENT STABILIZATION WORK PRACTICES ARE REQUIRED.
CRITERIA:
1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1 FOR THE APPROPRIATE PLANT HARDNESS ZONE...
2. FOR SITES HAVING SOIL TESTS PERFORMED, USE AND SHOW THE RECOMMENDED RATES BY THE TESTING AGENCY.
3. WHEN STABILIZATION IS REQUIRED OUTSIDE OF A SEEDING SEASON, APPLY SEED AND MULCH OR STRAW MULCH ALONE AS PRESCRIBED IN SECTION B-4-3.A.1.B, AND MAINTAIN UNTIL THE NEXT SEEDING SEASON.

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.
Signature: R. JACOB HIKMAT, P.E.
Date: 10/14/14

OWNER/DEVELOPER
HARMONY BUILDERS
4228 COLUMBIA ROAD
ELLICOTT CITY, MARYLAND 21042
410-461-0833

MILDENBERG & ASSOC., INC.
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SEDIMENT CONTROL NOTES AND DETAILS