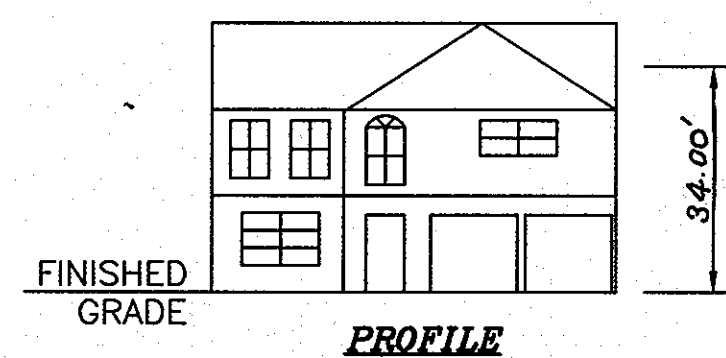
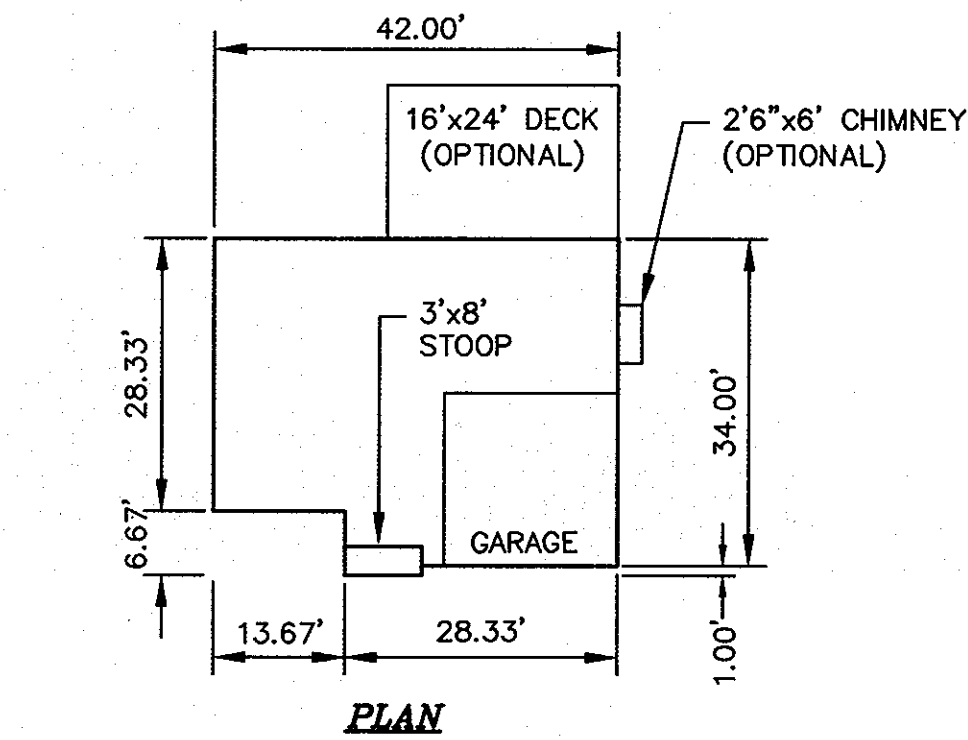


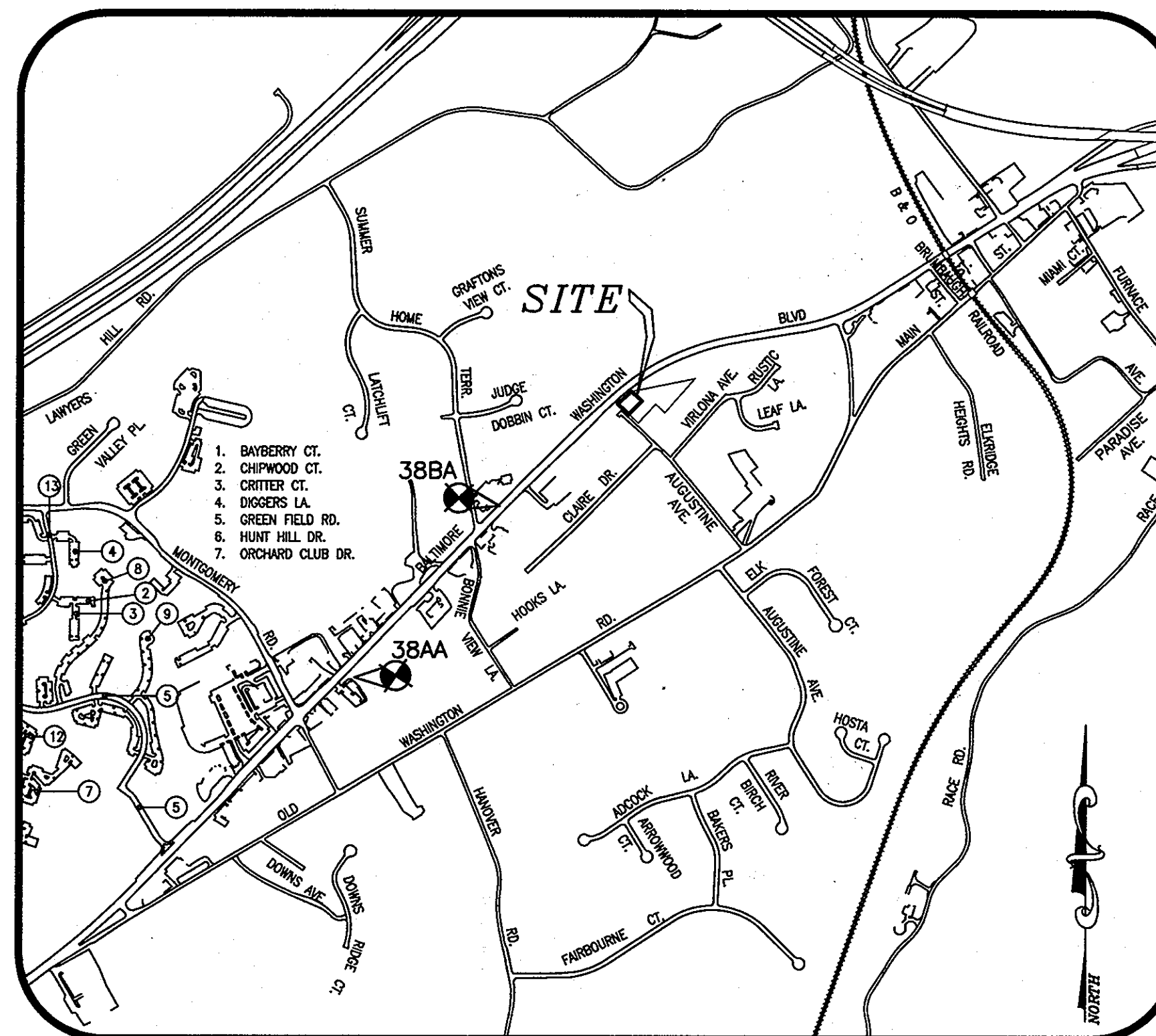
# SITE DEVELOPMENT PLAN ALBRIGHT PROPERTY LOT 7

## FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND



**THE JAVA**  
SCALE: 1" = 20'

**OWNER/DEVELOPER**  
JENMAR HOMES AT AUGUSTINE, LLC  
3403 OLD POST DRIVE  
BALTIMORE, MARYLAND 21208  
410-486-5693



**VICINITY MAP**  
SCALE: 1" = 2000' ADC MAP : 4937 F7

### GENERAL NOTES

- SUBJECT PROPERTY IS ZONED R-12 PER THE 02/02/04 COMPREHENSIVE ZONING PLAN AND PER THE "COMP LITE" ZONING REGULATION AMENDMENTS EFFECTIVE 7/28/06.
- SITE ANALYSIS DATA:  
TOTAL AREA: 0.313 AC.± ZONING: R-12  
LIMIT OF DISTURBED AREA: 0.15 AC.±  
PROPOSED USE: SINGLE FAMILY DETACHED.  
UNITS PROPOSED: HOWARD COUNTY ELECTION DISTRICT: FIRST  
TAX MAP: 38 GRID: 3 PARCEL: 141  
DPZ FILES: F-03-163, F-04-056, WP-03-151, WP-09-058, SDP-05-005, SDP-09-020, WP-09-237.
- TOPOGRAPHY AND BOUNDARY SHOWN HEREON ARE BASED ON FIELD RUN AND MONUMENTED TOPOGRAPHIC SURVEY CONDUCTED BY MILDENBERG, BOENDER & ASSOCIATES INC. ON OR ABOUT MARCH 2003.
- HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND NAD 83 (HORZ) AND NGVD29 (VERT) AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 38AA & 38BA (ALL UNITS IN FEET).  
STA. No. 38AA N 561,158.817 ELEV. 220.084  
E 1,389,726.331  
STA. No. 38BA N 562,553.314 ELEV. 166.184  
E 1,390,967.86
- CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES ON SITE PRIOR TO COMMENCING CONSTRUCTION. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTORS 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 FIVE (5) DAYS PRIOR TO ANY EXCAVATION WORK:  
MESA UTILITY (410) 775-7777  
VERIZON TELEPHONE COMPANY (410) 775-9976  
HOWARD COUNTY UTILITIES (410) 303-3500  
AV&T CABLE LOCATION DIVISION (410) 303-3500  
BALTIMORE GAS & ELECTRIC (410) 685-0133  
STATE HIGHWAY ADMINISTRATION (410) 685-0133  
HOWARD COUNTY DEPT. OF PUBLIC WORKS/ CONSTRUCTION INSPECTORS DIVISION (410) 313-1880
- 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.
- FOREST CONSERVATION EASEMENT(S) HAS BEEN ESTABLISHED UNDER F-03-163 TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF HOWARD COUNTY CODE AND FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.
- STORMWATER MANAGEMENT PROVIDED UNDER ALBRIGHT PROPERTY F-03-163.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:  
A) WIDTH - 12 FEET (18 FEET SERVING MORE THAN ONE RESIDENCE)  
B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1.5" MIN.).  
C) GEOMETRY - MAXIMUM 14% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45-FOOT TURNING RADIUS.  
D) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H2S 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 SITE DEVELOPMENT PLAN IS SUBJECT TO THE AMENDED 5TH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS AS AMENDED UNDER COUNCIL BILL # 75-2003. DEVELOPMENT OR CONSTRUCTION ON THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION APPLICATION OR BUILDING/GRADING PERMIT.
- FOREST CONSERVATION HAS BEEN PROVIDED UNDER F-03-163.
- LANDSCAPING FOR LOT 7 HAS BEEN PROVIDED UNDER ALBRIGHT PROPERTY SDP-05-005 AND F-04-056.
- 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.
- THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING PLANT MATERIALS, 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 OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
- EXISTING UTILITIES ARE BASED ON PLAT #17241.
- ANY DAMAGE TO HOWARD COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE OWNERS EXPENSE.
- SHC ELEVATIONS SHOWN ARE LOCATED AT THE WATER, SEWER AND UTILITY EASEMENT LINE.
- A USE-IN-COMMON MAINTENANCE AGREEMENT FOR THE SHARED DRIVEWAY HAS BEEN RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.
- WAIVER PETITION WP-03-151 APPROVED JULY 30, 2003, UNDER ALBRIGHT PROPERTY, F-03-163, TO WAIVE SECTIONS 16.1200(a)(2)(i), 16.121(a)(1), AND 16.1200(a)(4)(v), WHICH REQUIRE 40'-FT FRONTAGE FOR OPEN SPACE AND PROHIBIT ENCUMBERING RESIDENTIAL LOTS WITH OPEN SPACE ACCESS EASEMENTS. THE FOLLOWING ARE CONDITIONS OF APPROVAL: 1) A 12'-FT ACCESS EASEMENT IS PROVIDED BETWEEN LOTS 3 & 4, 2) A SHARED ACCESS EASEMENT SERVING LOTS 2-4 AND OPEN SPACE LOT 5 SHALL BE ESTABLISHED FOR USE BY THOSE LOTS, 3) THE SIDE SETBACKS ADJACENT TO THE ACCESS EASEMENT ON LOTS 3 & 4 SHALL BE INCREASED BY 10'-FT, AND 4) A GRASSED ACCESS ON THE EASEMENT BETWEEN LOTS 3 AND 4 SHALL BE PROVIDED AND DEMARCATED BY BOLLARDS.
- THE 65dBA NOISE LINE CONTOUR DRAWN ON THIS DEVELOPMENT PLAN IS ADVISORY AS REQUIRED BY THE HOWARD COUNTY DESIGN MANUAL, CHAPTER 5, REVISED FEBRUARY, 1992, AND CANNOT BE CONSIDERED TO EXACTLY LOCATE THE 65dBA NOISE EXPOSURE. THE 65 dBA NOISE LINE WAS ESTABLISHED BY HOWARD COUNTY TO ALERT DEVELOPERS, BUILDERS AND FUTURE RESIDENTS THAT AREAS BEYOND THIS THRESHOLD MAY EXCEED GENERALLY ACCEPTED NOISE LEVELS ESTABLISHED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.
- PROPERTY LOCATED WITHIN THE METROPOLITAN DISTRICT, WATER AND SEWER ARE PUBLIC. CONTRACT NOS. ARE 868-S (SEWER) AND 44-1100 (WATER).
- DRIVEWAY APRON SHALL MEET HOWARD COUNTY STANDARD DETAIL R-6.05.
- DEVELOPMENT OR CONSTRUCTION ON THIS PARCEL MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION APPLICATION OR BUILDING/GRADING PERMIT.
- AN 8-FOOT NOISE WALL WILL BE CONSTRUCTED UNDER A DEVELOPER'S AGREEMENT WITH THE FINAL PLAN (F-04-056).
- WAIVER PETITION WP-09-058 APPROVED ON NOVEMBER 19, 2008, TO WAIVE SECTIONS 16.144a(1)(2), AND 16.144q OF THE AMENDED FIFTH EDITION. THE FOLLOWING ARE CONDITIONS OF APPROVAL:  
1) THE DEVELOPER'S AGREEMENT PROCESS AND THE SUBMISSION OF THE FINAL PLAT ORIGINALS MUST BE COMPLETED WITHIN 180 DAYS FROM THE ORIGINAL MILESTONE DUE DATES OF NOV. 6, 2008 (FOR THE DEVELOPER'S AGREEMENT) AND JANUARY 5, 2009 (FOR THE FINAL PLAT ORIGINALS). THE NEW MILESTONE DUE DATES WOULD BE AS FOLLOWS: MAY 5, 2009 FOR THE FILING OF THE DEVELOPER'S AGREEMENT AND JULY 4, 2009 FOR THE SUBMISSION OF THE FINAL PLAT ORIGINALS.  
2) THE DIVISION OF LAND DEVELOPMENT WILL NOT ACCEPT REQUESTS FOR EXTENSIONS, UNLESS A FORMAL WAIVER PETITION APPLICATION IS SUBMITTED.
- WAIVER PETITION WP-09-237 APPROVED ON DECEMBER 23, 2009, TO WAIVE SECTIONS 16.156(m) REQUESTING FOR A 180 DAY EXTENSION OF TIME BEYOND THE STATE'S TOLLING PERIOD OF JUNE 30, 2010 PER HE-021 TO ALLOW SUBMISSION OF ORIGINAL MYLAR PLANS CORRECTED TO MEET THE REQUIREMENTS OF THE VARIOUS STATE AND COUNTY AGENCIES SUBJECT TO THE FOLLOWING CONDITIONS:  
1) THE DEVELOPER MUST SUBMIT THE SDP ORIGINALS FOR SIGNATURE IN ASSOCIATION WITH SDP-09-020 WITHIN 180 DAYS FROM THE STATE'S TOLLING PERIOD DATE OF JUNE 30, 2010. THE NEW MILESTONE DUE DATE IS AS FOLLOWS: DECEMBER 27, 2010 FOR THE SUBMISSION OF THE SDP ORIGINALS.

### ADDRESS CHART

LOT #	ADDRESS
7	5746 AUGUSTINE AVENUE

### PERMIT INFORMATION CHART

SUBDIVISION NAME			SECTION/AREA	PARCEL #	
ALBRIGHT PROPERTY, LOT 7			N/A	141	
PLAT # OR L/F	BLOCK #	ZONE	TAX MAP	ELEC. DIST.	CENSUS TRACT
20714	3	R-12	38	1ST	605602
WATER CODE			SEWER CODE		
2A01			2023400		
PROPOSED IMPROVEMENTS:					
SFD					

### INDEX OF DRAWINGS

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

**DEVELOPER'S CERTIFICATE**  
I/WE 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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

\_\_\_\_\_  
SIGNATURE OF DEVELOPER  
12/20/10  
DATE

ISAC GHEILER, JENMAR HOMES AT AUGUSTINE, LLC  
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.

\_\_\_\_\_  
SIGNATURE OF ENGINEER  
12/20/10  
DATE

R. JACOB HIKMAT  
PRINTED NAME OF ENGINEER

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

\_\_\_\_\_  
FORWARD SOIL CONSERVATION DISTRICT  
1/13/11  
DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

\_\_\_\_\_  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
1/14/11  
DATE

\_\_\_\_\_  
CHIEF, DIVISION OF LAND DEVELOPMENT  
1/28/11  
DATE

\_\_\_\_\_  
DIRECTOR  
1/29/11  
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.



date	DEC 2010
project	04019
illustration	MMT
scale	AS SHOWN
approval	RAH


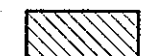

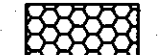



date	
description	
revisions	
no.	

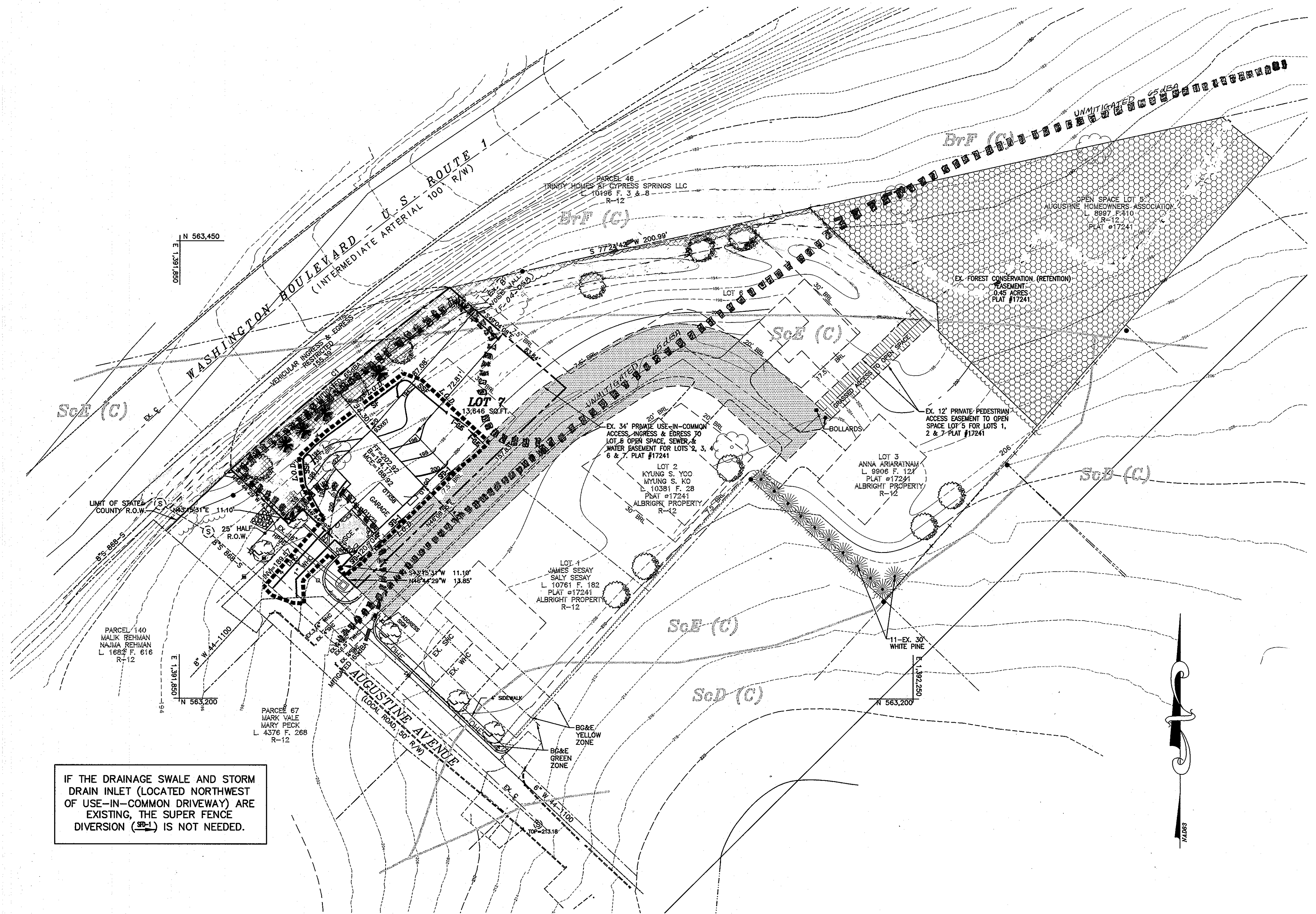
**ALBRIGHT PROPERTY LOT 7**  
TAX MAP 38 - PARCEL 141 - BLOCK 3  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
COVER SHEET

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
6800 Deerpath Road, Suite 150, Elkridge, Maryland 21075  
(410) 997-0298 Fax

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	BEARING	DELTA
C1	1623'	155.39'	77.76'	S50°07'10"W	05°29'09"

**LEGEND**

-  STABILIZED CONSTRUCTION ENTRANCE.
-  EXISTING 12' PRIVATE PEDESTRIAN ACCESS EASEMENT TO OPEN SPACE LOT 5 FOR LOTS 1, 2 & 7 PLAT #17241.
-  EXISTING 34' PRIVATE USE-IN-COMMON ACCESS, INGRESS/EGRESS TO OPEN SPACE LOT 5, WATER & SEWER EASEMENT FOR LOTS 1, 3, 4, 6 & 7 PLAT #17241.
-  EXISTING FOREST CONSERVATION EASEMENT (RETENTION) PLAT #17241.
- SF SILT FENCE
- SSF SUPER SILT FENCE
-  LANDSCAPING (TREE) PROVIDED UNDER F-03-163 & F-04-056
-  LANDSCAPING (EVERGREEN) PROVIDED UNDER F-04-056
-  STREET TREES PROVIDED UNDER F-04-056



IF THE DRAINAGE SWALE AND STORM DRAIN INLET (LOCATED NORTHWEST OF USE-IN-COMMON DRIVEWAY) ARE EXISTING, THE SUPER FENCE DIVERSION (SF-1) IS NOT NEEDED.

**PLAN VIEW**  
SCALE: 1" = 30'

**OWNER/DEVELOPER**  
JENMAR HOMES AT AUGUSTINE, LLC  
3403 OLD POST DRIVE  
BALTIMORE, MARYLAND 21208  
410-486-5693

**DEVELOPER'S CERTIFICATE**  
I/WE 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 THIS PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 12/20/10  
SIGNATURE OF DEVELOPER DATE

ISAAC GHEILER, JENMAR HOMES AT AUGUSTINE, LLC  
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.

*[Signature]* 12/20/10  
SIGNATURE OF ENGINEER DATE

R. JACOB HIKMAT  
PRINTED NAME OF ENGINEER

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

*[Signature]* 1/13/11  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 1/14/11  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 1/20/11  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*[Signature]* 1/28/11  
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 9/3/12.



**SOILS CLASSIFICATION**

- ScE (C) SANDY AND CLAYEY LAND, MODERATELY STEEP
- ScD (C) SANDY AND CLAYEY LAND, MODERATELY SLOPED.
- InB (C) IUKA LOAM, LOCAL ALLUVIUM, 1 TO 5 PERCENT SLOPES
- BrF (C) BRANDYWINE LOAM, 25 TO 60 PERCENT SLOPES

Project	04-019	date	DEC 2010
Illustration	MMT	engineering	ENG.
scale	1"=30'	approval	RJH

no.	1	description	REVISED 6/24/08 UNMITIGATED & UNMITIGATED NOISE LINE/SEWER, MOBILE SIGNER & ASSOCIATED EROSION/ST.	date	10/24/11
revisions					

**ALBRIGHT PROPERTY LOT 7**  
TAX MAP 38, PARCEL 141, LOT 7  
HOWARD COUNTY, MARYLAND  
1ST ELECTION DISTRICT  
SITE DEVELOPMENT PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
6800 Deepwater Road, Suite 150, Elkridge, Maryland, 21075  
(410) 997-0296 Balt. (410) 997-0298 Ftz.

**HOWARD SOIL CONSERVATION DISTRICT  
PERMANENT SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.  
SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.  
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING:  
1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 400 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING. APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.).  
2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.  
SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE 14 LBS./1000 SQ.FT. OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND/OR SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOD, OPTION (3) - SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TON/ACRE WELL ANCHORED STRAW.  
MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING AN ANCHORING TOOL. FOR EACH ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.  
MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

**TEMPORARY SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.  
SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.  
SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSSELS PER ACRE OF ANNUAL RYE (3.5 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (07 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU NOVEMBER 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING OR USE SOD.  
MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED WEED FREE SMALL GRAIN TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING. REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

**STANDARD SEDIMENT CONTROL NOTES**

- 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. (312-1855).
- 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", AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. TEMPORARY SEEDING (SEC.51), SOD (SEC.54), TEMPORARY SEEDING (SEC.50) AND MULCHING (SEC.52), TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:  
TOTAL AREA OF SITE: 0.31 ACRES  
AREA DISTURBED: 0.15 ACRES  
AREA TO BE ROOFED OR PAVED: 0.10 ACRES  
AREA TO BE VEGETATIVELY STABILIZED: 0.05 ACRES  
TOTAL CUT: 100 CU. YDS.  
TOTAL FILL: 100 CU. YDS.  
TOTAL WASTE/BORROW AREA LOCATION: N/A

- THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN QUANTITIES MEASUREMENTS.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON 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 CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

**OWNER/DEVELOPER**  
JENMAR HOMES AT AUGUSTINE, LLC  
3403 OLD POST DRIVE  
BALTIMORE, MARYLAND 21208  
410-486-5683

**DEVELOPER'S CERTIFICATE**  
I/WE 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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SEDIMENT CONTROL DIVISION.  
SIGNATURE OF DEVELOPER: *[Signature]* DATE: 12/20/10  
ISAAC CHELIER, JENMAR HOMES AT AUGUSTINE, LLC  
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.  
SIGNATURE OF ENGINEER: *[Signature]* DATE: 12/20/10  
R. JACOB HIKMAT  
PRINTED NAME OF ENGINEER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SEDIMENT CONTROL DIVISION.  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
SIGNATURE: *[Signature]* DATE: 1/14/11  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
SIGNATURE: *[Signature]* DATE: 1/28/11  
CHIEF, DIVISION OF LAND DEVELOPMENT  
SIGNATURE: *[Signature]* DATE: 1/28/11  
DIRECTOR

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

**STANDARD AND SPECIFICATIONS FOR TOPSOIL**

DEFINITION  
PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

**PURPOSE**

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW NUTRIENT CONTENT LEVELS, LOW pH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

**CONDITIONS WHERE PRACTICE APPLIES**

- THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:  
a. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.  
b. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO PREVENT BLOWING.  
c. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.  
d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
- FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

**CONSTRUCTION AND MATERIAL SPECIFICATIONS**

- TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:  
i. TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND, OR SILTY LOAM, AS RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVAL BY THE APPROPRIATE AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.  
ii. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.  
iii. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.  
iii. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:  
i. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.  
iv. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:  
i. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:  
a. pH FOR TOPSOILS SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A pH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PRESCRIBED TO RAISE THE pH TO 6.5 OR HIGHER.  
b. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.  
c. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.  
d. NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.  
NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.  
ii. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.  
v. TOPSOIL APPLICATION  
i. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.  
ii. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 4" - 8" HIGHER IN ELEVATION.  
iii. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.  
iv. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.  
vi. ALTERNATIVE FOR PERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL FERTILIZER, COMPOSTED SLUDGE AND AMENDMENTS MAY BE APPLIED AS SPECIFIED BELOW:  
i. COMPOSTED SLUDGE MATERIAL FOR USE AS A SOIL CONDITIONER FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES SHALL BE TESTED TO PRESCRIBE AMENDMENTS AND FOR SITES HAVING AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:  
a. COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS WHO ARE PERMITTED (AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06.  
b. COMPOSTED SLUDGE SHALL CONTAIN AT LEAST 1 PERCENT NITROGEN, 1.5 PERCENT PHOSPHORUS, AND 0.2 PERCENT POTASSIUM AND HAVE A PH OF 7.0 TO 8.0. IF COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS PRIOR TO USE.  
c. COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET.  
iv. COMPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILIZER APPLIED AT THE RATE OF 4 LB/1,000 SQUARE FEET, AND 1/3 THE NORMAL LIME APPLICATION RATE.

REFERENCES: GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SODDING, MD-VA, PUB. #1, COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND AND VIRGINIA POLYTECHNIC INSTITUTES, REVISED 1973.

**EROSION AND SEDIMENT CONTROL NOTES**

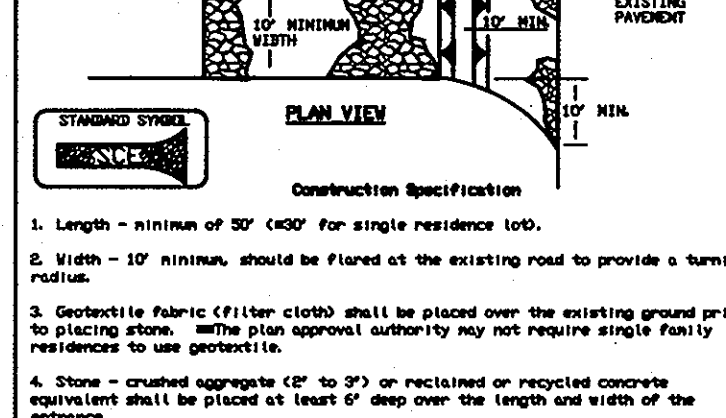
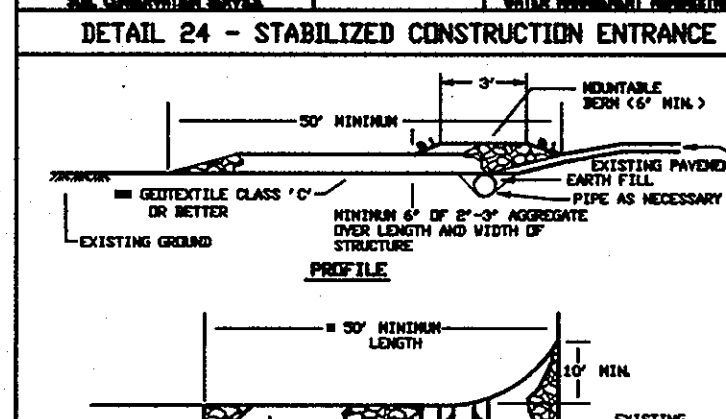
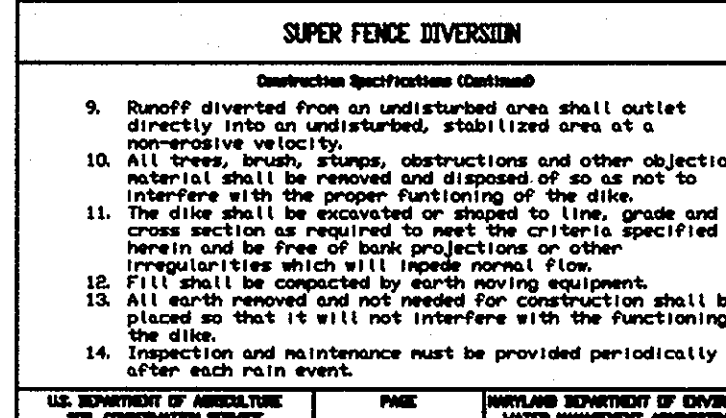
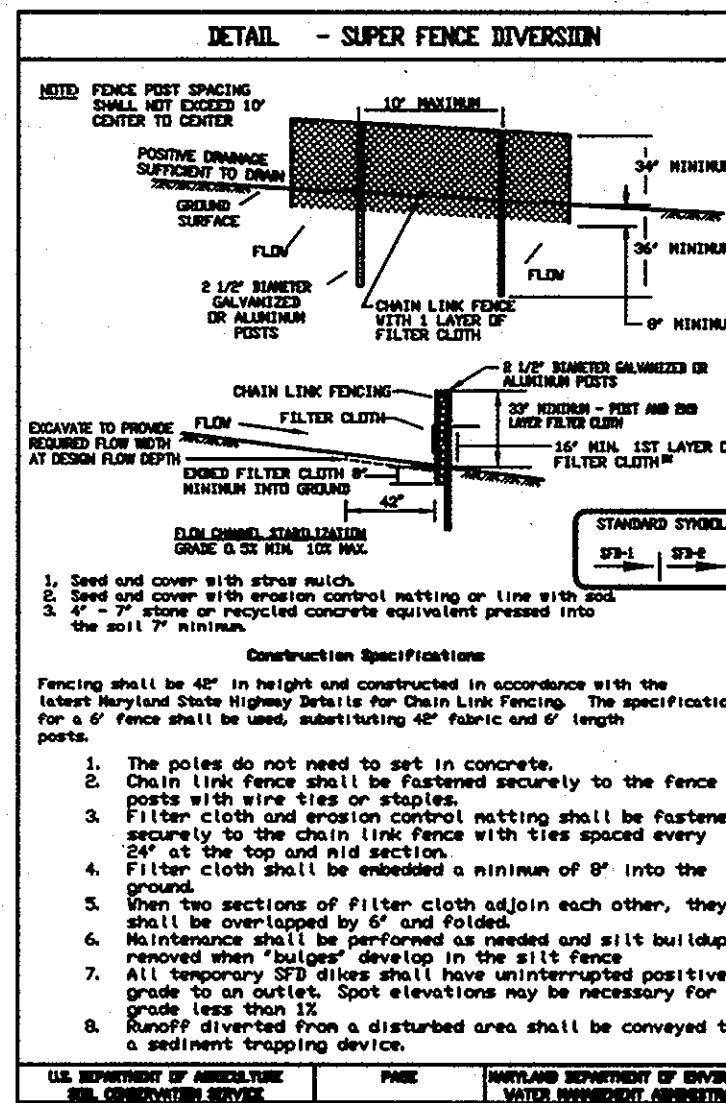
- ALL SEDIMENT CONTROL OPERATIONS ARE TO BE DONE IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY VOLUME IV DESIGN MANUAL AND THE STANDARDS AND SPECIFICATIONS FOR SEDIMENT CONTROL IN DEVELOPING AREAS.
- ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST ORDER OF BUSINESS.
- ALL EXCAVATED MATERIALS SHALL BE STOCKPILED ON THE UPGRADE SIDE OF THE MAIN TRENCH.
- EXCAVATION AND BACKFILL SHALL BE LIMITED TO THAT WHICH CAN BE STABILIZED WITHIN ONE WORKING DAY.
- 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.
- 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.
- ALL SEDIMENT CONTROL FACILITIES SHALL REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

**TEMPORARY DUST CONTROL MEASURES**

- MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.
- VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
- TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE, CHISEL-TYPE PLOWS SPACED ABOUT 12" APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED, AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THAT RUNOFF BEGINS TO FLOW.
- BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.
- CALCIUM CHLORIDE - APPLY AT RATES THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT (1 DAY)
- INSTALL STABILIZED CONSTRUCTION ENTRANCE (1-DAY)
- CONSTRUCT SILT FENCES (1 DAY)
- CONSTRUCT SITE TO GRADES INDICATED WITH PERMISSION FROM INSPECTOR BEFORE PROCEEDING (3 DAYS)
- CONSTRUCT HOUSE (60 - 120 DAYS)
- COMPLETE FINE GRADING OF SITE TO GRADES INDICATED (2 DAYS)
- SEED AND MULCH ALL REMAINING DISTURBED AREAS (1 DAY)
- WHEN ALL CONTRIBUTING DRAINAGE AREAS TO SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED, AND WITH PERMISSION OF SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS (1 DAY)



**CONSTRUCTION SPECIFICATIONS**

- The poles do not need to be set in concrete.
- Chain link fence shall be fastened securely to the fence posts with wire ties or staples.
- Filter cloth and erosion control matting shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 8" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt buildup removed when full development in the silt fence occurs.
- All temporary SFD devices shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for SFDs diverted from a disturbed area shall be conveyed to a sediment trapping device.

**DESIGN CRITERIA**

Slope Steepness	Maximum Slope Length (feet)	Silt Fence Length (feet)
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and steady soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

**CONSTRUCTION SPECIFICATIONS**

- Fencing shall be 48" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for 4" fence shall be used, substituting 48" fabric and 6" length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:  
Tensile Strength: 30 lbs/in (min.) Tests: MSFT 509  
Tensile Modulus: 50 lbs/in (min.) Tests: MSFT 509  
Flow Rate: 0.3 gal ft<sup>2</sup>/minute (max.) Tests: MSFT 502  
Filtering Efficiency: 75% (min.) Tests: MSFT 502
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent silt bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.

**DESIGN CRITERIA**

Slope Steepness	Maximum Slope Length (feet)	Silt Fence Length (feet)
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and steady soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

**CONSTRUCTION SPECIFICATIONS**

- Length - minimum of 20' (40' for single residence lots).
- Width - 12" minimum, should be placed at the existing road to provide a flaring radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. After plan approval, authority may not require single facility residences to use geotextile.
- Stone - crushed aggregate (2" to 3") or recycled or recycled concrete material shall be placed at least 6" deep over the length and width of the entrance.
- Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a minimum 18" diameter pipe with 2:1 slopes and a minimum 6" of stone over the pipe. Pipe shall be sized according to the drainage. When the 2:1 is located at a high spot and the no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. 6" minimum will be required.
- Location - a stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the stone length of the stabilized construction entrance.

**DESIGN CRITERIA**

Slope Steepness	Slope Length (feet)	Silt Fence Length (feet)
0 - 10%	0 - 10:1	unlimited
10 - 20%	10:1 - 5:1	200 feet
20 - 30%	5:1 - 3:1	100 feet
30 - 50%	3:1 - 2:1	100 feet
50% +	2:1 +	50 feet

**CONSTRUCTION SPECIFICATIONS**

- Fencing shall be 48" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for 4" fence shall be used, substituting 48" fabric and 6" length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:  
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Tensile Modulus: 50 lbs/in (min.) Tests: MSFT 509  
Flow Rate: 0.3 gal ft<sup>2</sup>/minute (max.) Tests: MSFT 502  
Filtering Efficiency: 75% (min.) Tests: MSFT 502
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt buildup removed when full development in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:  
Tensile Strength: 30 lbs/in (min.) Tests: MSFT 509  
Tensile Modulus: 50 lbs/in (min.) Tests: MSFT 509  
Flow Rate: 0.3 gal ft<sup>2</sup>/minute (max.) Tests: MSFT 502  
Filtering Efficiency: 75% (min.) Tests: MSFT 502

**DESIGN CRITERIA**

Slope Steepness	Slope Length (feet)	Silt Fence Length (feet)
0 - 10%	0 - 10:1	unlimited
10 - 20%	10:1 - 5:1	200 feet
20 - 30%	5:1 - 3:1	100 feet
30 - 50%	3:1 - 2:1	100 feet
50% +	2:1 +	50 feet

DATE: DEC 2010  
PROJECT: 04-019  
ILLUSTRATION: ENG.  
SCALE: MMT  
APPROVAL: AS SHOWN  
REVISIONS: R/H

DATE:   
DESCRIPTION:   
REVISIONS:   
NO.:

ALBRIGHT PROPERTY LOT 7  
TAX MAP 36, PARCEL 141, LOT 7  
1ST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SEDIMENT AND EROSION CONTROL DETAILS AND NOTES

MILDENBERG, & ASSOC., INC.  
Engineers Planners Surveyors  
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(410) 997-0296 Fax