## **GENERAL NOTES**

- 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 START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK. . The existing topography shown hereon is based on a topographic survey prepared by frederick ward associates,
- DATED DECEMBER 2003. 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. 38R2 AND 38R3 WERE USED FOR THIS
- STORMWATER MANAGEMENT IS PROVIDED FOR THIS DEVELOPMENT UNDER F-09-087 BY A POCKET POND (P-5) TO PROVIDE CPV AND WQV, BY GRASSED SWALES TO PROVIDE ReV, AND THE SWM POND WILL BE PRIVATELY OWNED AND JOINTLY MAINTAINED BY THE HOA AND HOWARD COUNTY. CLASS A. POND 3 ALSO PROVIDES QP AND QF MANAGEMENT.
- EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS AND AVAILABLE RECORD DRAWINGS. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. 8. SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE.
- 9. FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD DETAIL R—6.03.
- THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:

BELL ATLANTIC TELEPHONE CO: HOWARD COUNTY BUREAU OF UTILITIES: VERIZON CABLE LOCATION DIVISION: 393-3553 B.G.&E. CO. CONTRACTOR SERVICES: B.G.&E. CO. UNDERGROUND DAMAGE CONTROL: 787-4620

- THE SUBJECT PROPERTY IS ZONED "R-12" IN ACCORDANCE WITH THE 2/2/04 COMPREHENSIVE ZONING PLAN AND THE COMP. LITE ZONING REGULATIONS EFFECTIVE ON 7/28/06, AND IS SUBJECT TO THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS EFFECTIVE 10/2/03 PER
- 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.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100-YEAR FLOODPLAIN.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
- A) WIDTH 12 FEET (16 FEET IF SERVING MORE THAN ONE RESIDENCE);

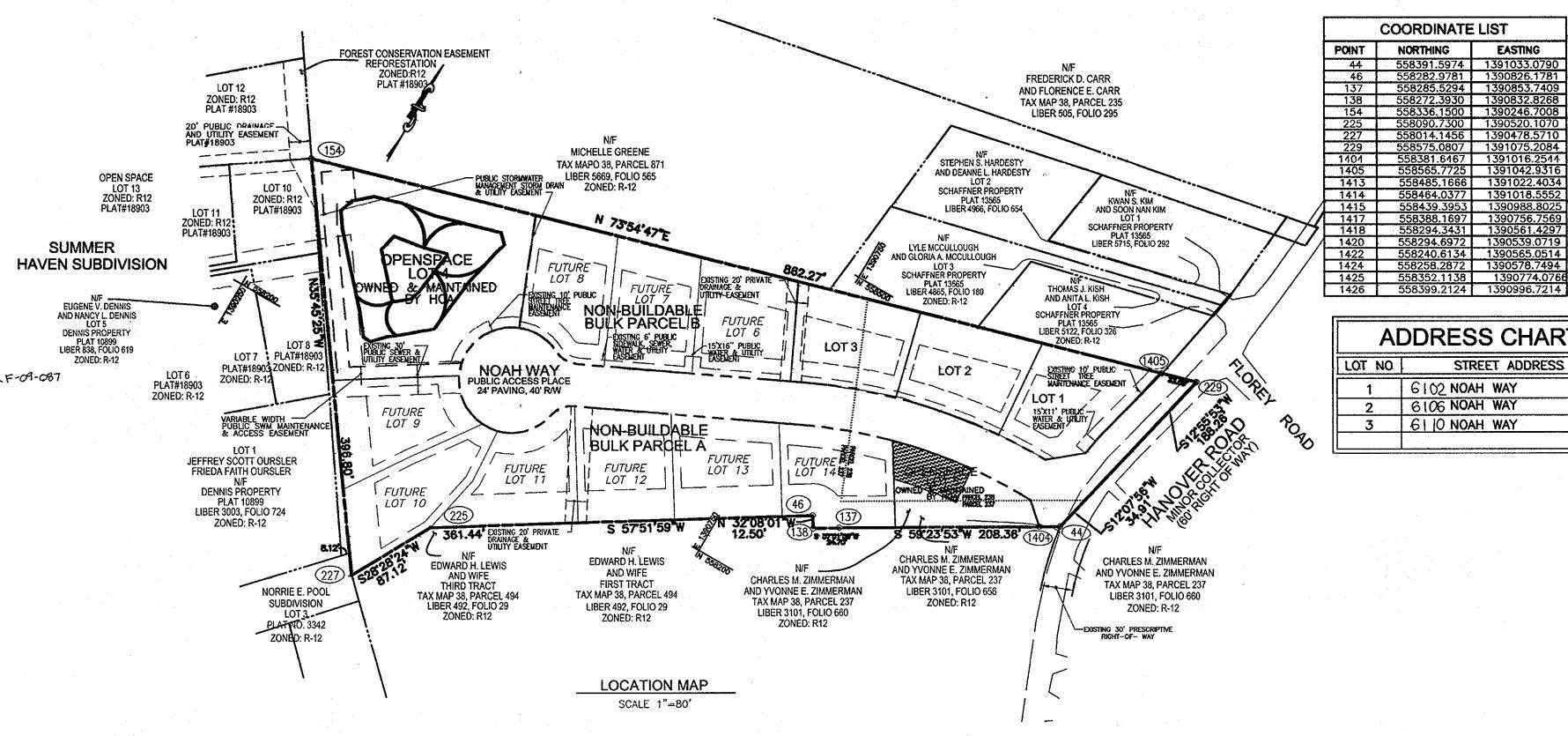
  B) SURFACE 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2" MIN.);

  C) GEOMETRY MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE, AND MINIMUM 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) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- THE 65dBA NOISE CONTOUR LINE 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 65dBA 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
- FOREST STAND DELINEATION PLAN PREPARED BY ROBERT H. VOGEL ENGINEERING, INC. ,DATED MAY, 2003. FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202 OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL HAVE BEEN MET UNDER F-09-087 BY FOREST RETENTION BANK. COUNTY CODE AND THE FOREST CONSERVATION MANUAL HAVE BEEN MET BY FOREST RETENTION BANK. THE FOREST CONSERVATION OBLIGATIONS OF 2.10 ACRES OF REFORESTATION TO BE PROVIDED BY AN OFFSITE FOREST BANK, CYPRESS SPRINGS, LLC FOREST BANK SDP-09-061, TAX MAP 38,
- . PERIMETER AND SWM LANDSCAPING SCREENING IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL, AND HAS BEEN PROVIDED UNDER F-09-087.
- 8. NO WETLANDS OR STREAMS ARE LOCATED ONSITE. NO FLOOD PLAIN IS LOCATED ONSITE
- 19. NO STEEP SLOPES ARE LOCATED ONSITE.
- 20. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL/CEMETERY LOCATIONS ON SITE.

# SITE DEVELOPMENT PLAN EAST POINT

## PHASE I **LOTS 1-3** HOWARD COUNTY, MARYLAND



LEGEND		XY
EXISTING CONTOUR		K & L.
PROPOSED CONTOUR -	82	
EXISTING SPOT ELEVATION	+382.56	
PROPOSED SPOT ELEVATION	+82 <sup>53</sup>	1. 1. 1.
DIRECTION OF FLOW		
EXISTING TREES TO REMAIN		
LIGHT POLES		
SIDFWAI K		
FOREST CONSERVATION EASEMENT		

COORDINATE LIST

 44
 558391.5974
 1391033.0790

 46
 558282.9781
 1390826.1781

 137
 558285.5294
 1390853.7409

 138
 558272.3930
 1390832.8268

154 558336.1500 1390246.700

1413 558485.1666 1391022.4034

 1414
 558464.0377
 1391018.5552

 1415
 558439.3953
 1390988.8025

 1417
 558388.1697
 1390756.7569

1426 558399.2124 1390996.7214

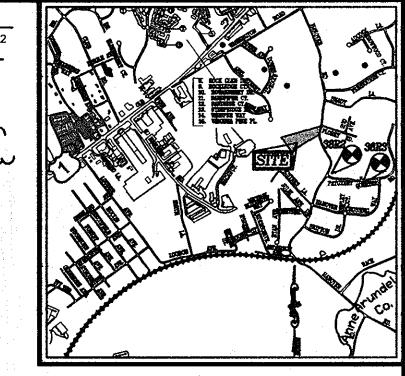
ADDRESS CHART

16102 NOAH WAY

2 6106 NOAH WAY

3 | 6 | 0 NOAH WAY

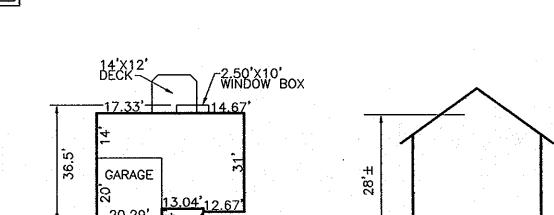
STREET ADDRESS



VICINITY MAP
SCALE 1"=2000" 4957 ADC COORDINATE: 17 ES

BENCHMARKS						
NO.	NORTHING	EASTING	ELEVATION			
38R2	557,500.663	1,391,227.052	_			
38R3	557,417.823	1,391,983.177				

SHEET INDEX		
DESCRIPTION	SHEET NO.	
COVER SHEET	1 OF 4	
LAYQUT	2 OF 4	
GRADING, SOILS AND SEDIMENT AND EROSION CONTROL PLAN	3 OF 4	
SEDIMENT AND EROSION CONTROL NOTES AND DETAILS	4 OF 4	



CYPRESS SPRING HOUSE PLAN

			1"=30"	Fw		
PE	RMIT IN	IFOR	MATIC	ON C	HA	RT
	SUBDIVISION NAME EAST POINT		Ε	SECTION/ AREA		
				PHASE 1		PHASE I
		LOT/ P/ 238 &	237			
PLAT REF	BLOCK NO	ZONE	TAX MAP	ELECT	DIST	CENSUS TR
PLAT# 21105	15	R-12	38	1		6012.01
WATER CO	DE: -		SEWER	CODE:	_	

REVISION SITE DEVELOPMENT PLAN

> **COVER SHEET EAST POINT** PHASE I LOTS 1-3

TAX MAP 38 GRID 15 1ST 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

•	
DESIGN BY:	
DRAWN BY:	
CHECKED BY:	
DATE:	JL
SCALE:	A:
W.O. NO.: _	

JUNE, 2010 AS SHOWN

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

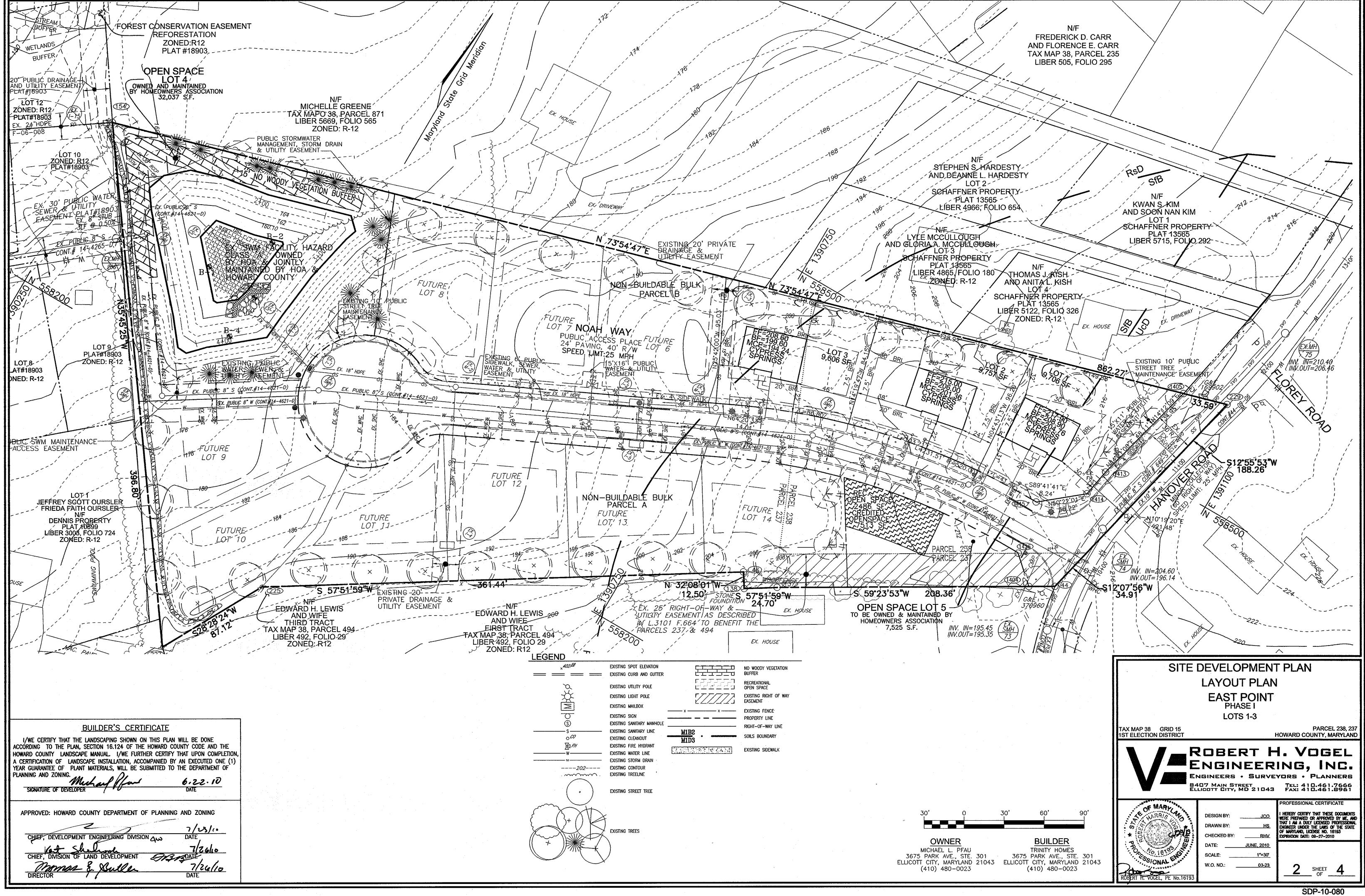
SITE ANALYSIS DATA CHART

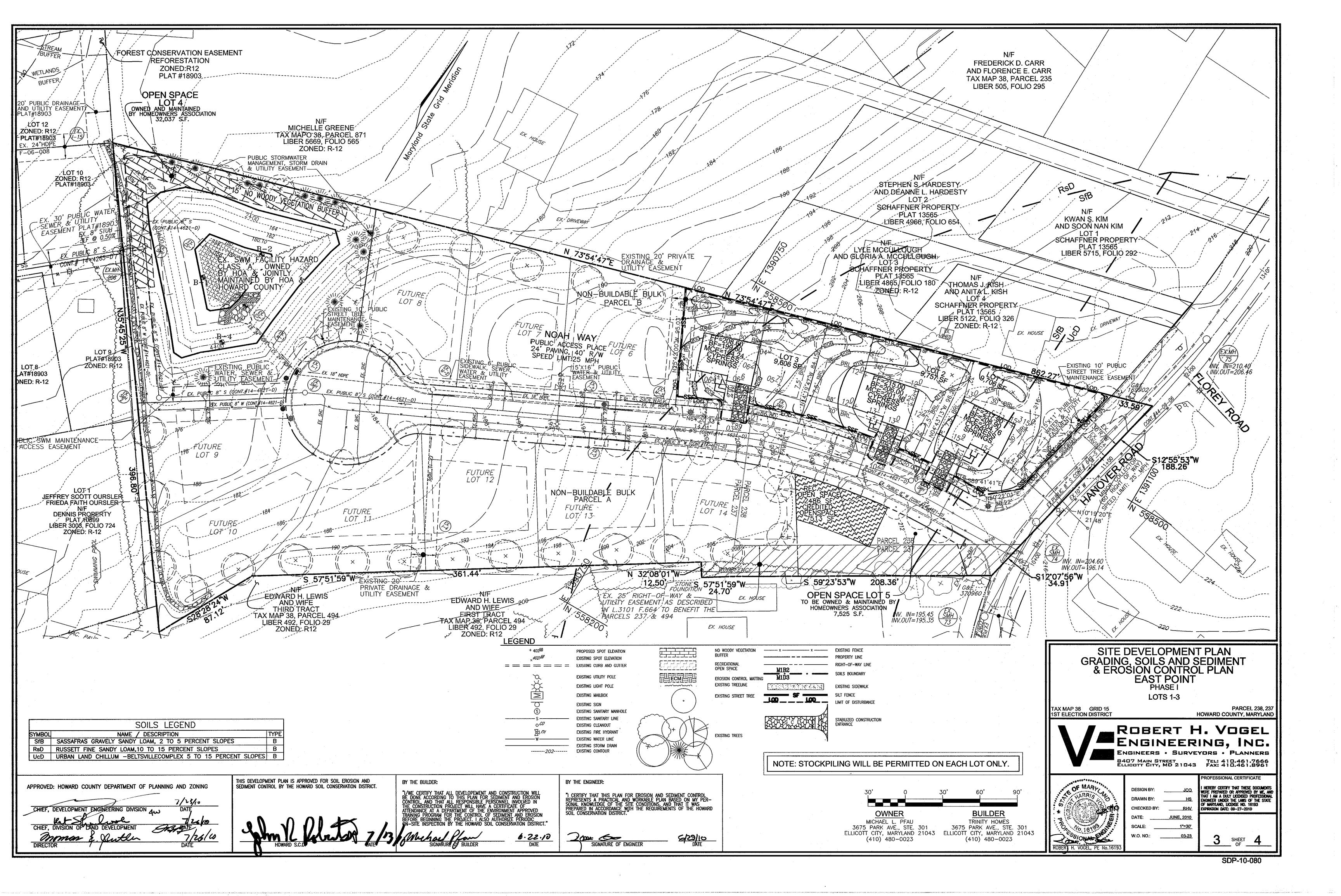
TOTAL PROJECT AREA: 188,152 SF. (4.3193 AC.) AREA OF PLAN SUBMISSION: 29,069 SF. (0.67 AC.) LIMIT OF DISTURBED AREA: 0.64 AC. ZONING: R-12 RESIDENTIAL SINGLE FAMILY DE-ATTACHED HOMES TOTAL UNITS ALLOWED: 12

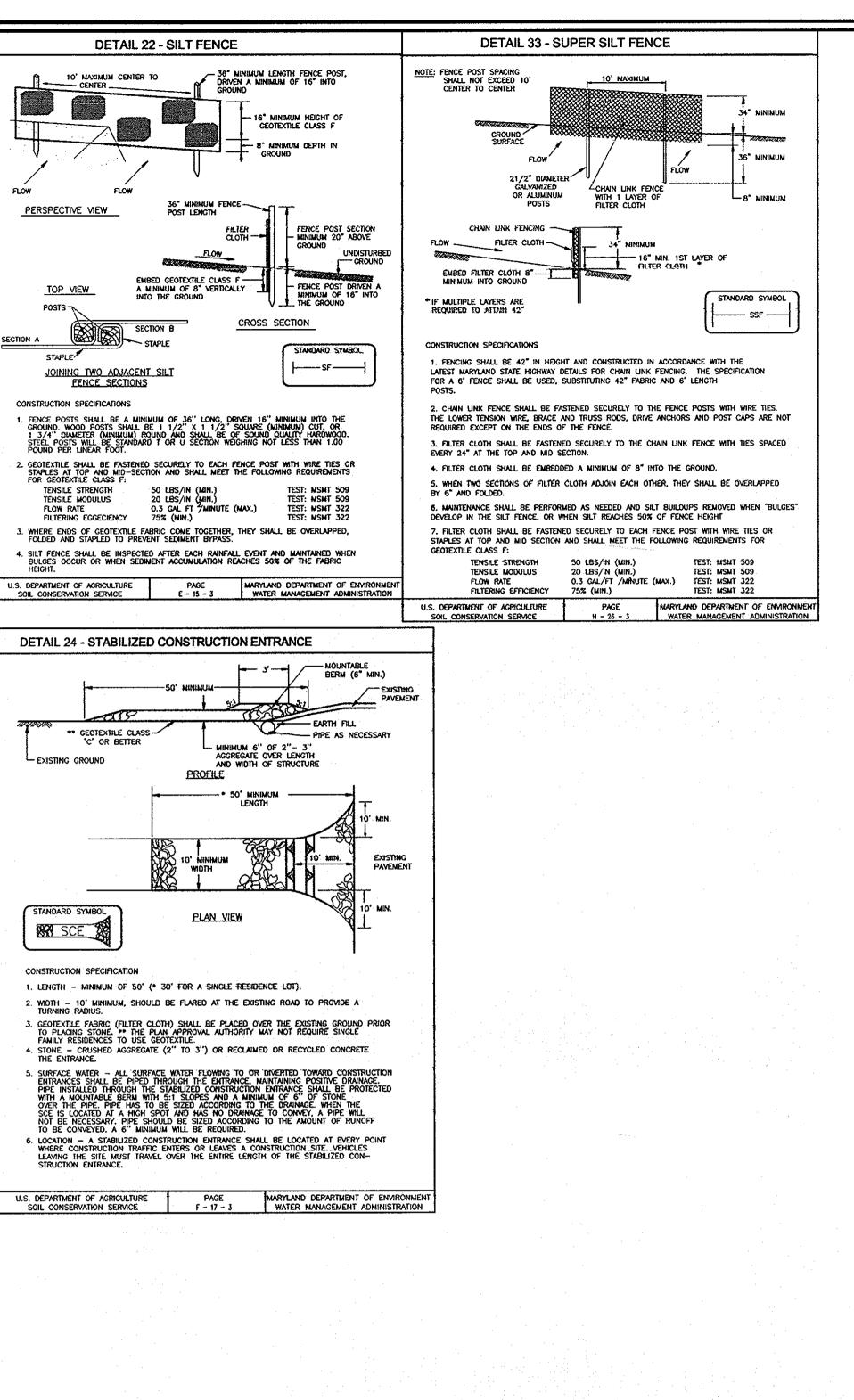
TOTAL UNITS PER SUBMISSION: 3 DPZ FILE NUMBERS: S-05-01, SP-05-013, WP-05-27, F-03-179, F-09-87.

MICHAEL L. PFAU 3675 PARK AVE., STE. 301 ELLICOTT CITY, MARYLAND 21043 ELLICOTT CITY, MARYLAND 21043 (410) 480-0023

TRINITY HOMES 3675 PARK AVE., STE. 301 (410) 480-0023







## SEDIMENT CONTROL NOTES

- 1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPT. OF INSPECTION, LICENSE AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- 2. ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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 HAN 3:1, (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, HOWARD COUNTY
- 5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. G). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL BE DONE
- 6. 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.

OBININED FROM THE HOMAND COOKIT SECUMENT	COMMOE MASTEUTON.
SITE ANALYSIS :	
TOTAL AREA	0.67 AC.
AREA DISTURBED	0.64 AC.
AREA TO BE ROOFED OR PAVED	0.15 AC.
AREA TO BE VEGETATIVELY STABILIZED	0.52 AC.
TOTAL CUT	1350 CY
TOTAL FILL	1350 CY
OFFSITE WASTE/BORROW AREA LOCATION	*
orreitz wierzy common rener zoemie	

ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR. 10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH 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 SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE

\* TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT 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.

USED IF RECOMMENDED BY AN AGRONOMIST OR A SOIL SCIENTIST AND 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 THAT 1 AND 1/2" IN

II. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, 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 ISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

## 21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

- PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.
- TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETABLE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT. LOW NUTRIENT 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 SUPPORT PLANTS OR FURNISH

II. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS,

CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE

AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL

CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.

LIMESTONE IS NOT FEASIBLE.

SEQUENCE OF CONSTRUCTION

2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS (410-313-1880) AT LEAST 24 HOURS

3. INSTALL SEDIMENT CONTROL MEASURES AS SHOWN

INSPECTOR TO PROCEED, ROUGH GRADE SITE.

6. UPON STABILIZATION OF ALL DISTURBED AREAS AND

DURING GRADING AND AFTER EACH RAINFALL. THE CONTRACTOR SHALL INSPECT AND PROVIDE THE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN

PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLIED

A. 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE

SLOPES AND ALL SLOPES GREATER THAN 3:1. B. 14 CALENDAR DAYS FOR ALL OTHER DISTURBED AREAS.

REMOVE ALL SEDIMENT CONTROL DEVICES.

4. AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL

5. CONSTRUCT HOUSES. THE FIRST FLOOR ELEVATIONS CANNOT BE

MORE THAN 1' HIGHER OR 0.2' LOWER THAN THE ELEVATIONS

WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, (2 DAYS)

ON PLAN AND IN ACCORDANCE WITH DETAILS.

. OBTAIN GRADING PERMIT.

SHOWN ON THIS PLAN.

BEFORE STARTING ANY WORK.

STABILIZATION SHOWN ON THE PLANS.

WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND MATERIAL TOXIC TO PLANT GROWTH. D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH

DEFINITION

ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION

WORKING DAY, WHICHEVER IS SHORTER.

II. 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. OTHER SOILS MAY BE

II. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

- III. 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 TOPSOIL 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 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 AMMENDMENTS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION—SECTION I—VEGETATIVE STABILIZATION METHODS AND MATERIALS.

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, ALBEIT 4" - 8" HIGHER IN ELEVATION. III. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" - 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 RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE

CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS

IV. TOPSOIL SHALL NOT BE PLACE 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.

## SOIL PROTECTION ZONE NOTES

TOPSOIL APPLICATION

OR WATER POCKETS.

(2 WEEKS)

- THE SOIL PROTECTION ZONE INCLUDE ALL AREAS CONTAINED INSIDE THE LIMIT OF DISTURBANCE.
- WHERE POSSIBLE, THE SOIL PROTECTION ZONE SHALL EXTEND TO THE DRIP LINE OF SPECIMEN TREES. FOR OTHER GROUPS THE HEIGHT OF THE TREE, WHICHEVER IS GREATER.
- 3. NO CONSTRUCTION ACTIVITY IS PERMITTED WITHIN THE SOIL PROTECTION ZONE. 4. IF SOIL HAS BEEN COMPACTED OR GRADING HAS TAKEN
- PLACE IN THE VICINITY OF THE SOIL PROTECTION ZONE, ROOT PRUNING SHALL BE IMPLEMENTED PER ROOT PRUNING DETAIL SHOWN ON THIS PLAN. 5. ROOT PRUNING SHALL OCCUR PRIOR TO THE BEGINNING OF
- WHERE THE SOIL PROTECTION ZONE MUST ENCROACH INSIDE
- THE CRITICAL ROOT ZONE OF A TREE, SOIL DISTURBANCE SHALL BE MITIGATED WITH VERTICAL MULCHING, OR RADIAL TRENCHING.
- PRIOR TO CONSTRUCTION, THE LIMITS OF DISTURBANCE SHALL BE MARKED AND THE DETERMINE WHICH TREES WILL NEED PREVENTATIVE TREATMENT OF REMOVAL. 8. TREE MAINTENANCE AND REMOVAL SHALL BE UNDERTAKEN BY
- A QUALIFIED MD TREE EXPERT TO ENSURE DAMAGE TO SURROUNDING TREES IS MINIMIZED. 9. BRUSH AND LIMBS REMOVED FOR CONSTRUCTION SHALL BE CHIPPED AND SPREAD AT THE EDGE OF THE SOIL PROTECTION ZONE TO A DEPTH OF 6 INCHES. THIS SHALL OCCUR OUTSIDE THE SOIL PROTECTION ZONE WHERE COMPACTION COULD IMPACT OTHERWISE UNPROTECTED CRITICAL ROOT ZONE.

### PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

## SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF

- 1) PREFERRED-APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/100 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS./ 1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL AT THE 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 DOLOMATIC LIMESTONE (92 LBS/ 1000 SQ.FT.) AND APPLY 1000 LBS. PER ACRE 10-10-10- FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC 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 (1.4 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 WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE BY THE SECOND CONTROL OF THE SECOND 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 TONS/ACRE WELL ANCHORED

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SOLIFT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. SANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER 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 SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

## **TEMPORARY SEEDING NOTES**

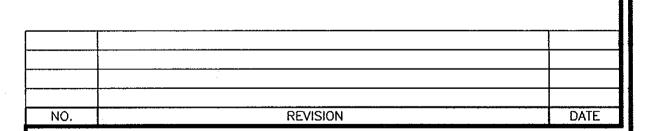
SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

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 NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 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 1 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE

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 MULCH ANCHORING TOOL OR 218 GALLONS PER 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

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT



SITE DEVELOPMENT PLAN SEDIMENT AND EROSION CONTROL DETAILS

**EAST POINT** PHASE I

TAX MAP 38 GRID 15

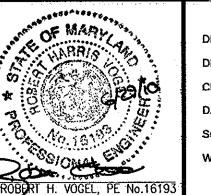
PARCEL 238, 237 HOWARD COUNTY, MARYLAND



1ST ELECTION DISTRICT

ROBERT H. VOGEL NGINEERING, INC.

Engineers • Surveyors • Planners 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



**DESIGN BY** DRAWN BY CHECKED BY: SCALE: AS SHOWN W.O. NO.:

PROFESSIONAL CERTIFICATE 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. 16193 CPIRATION DATE: 09-27-2010

SHEET \_\_ OF \_

SDP-10-080

BUILDER'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 (1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

6-22-10

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION 400

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

BY THE BUILDER:

- dot

C/29/10 DATE

"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 HOWARD SOIL CONSERVATION DISTRICT."

MICHAEL L. PFAU TRINITY HOMES 3675 PARK AVE., STE. 301 3675 PARK AVE., STE. 301 ELLICOTT CITY, MARYLAND 21043 ELLICOTT CITY, MARYLAND 21043 (410) 480-0023 (410) 480-0023

**BUILDER** 

**OWNER**