GENERAL NOTES	
 THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK. THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS: 	•
MISS UTILITY 1-800-257-7777 AT & T: 1-800-252-1133 HOWARD COUNTY BUREAU OF UTILITIES: 410-313-4900	
VERIZON CABLE LOCATION DIVISION: 1-800-743-0033 B.G.&E. CO. CONTRACTION SERVICES: 410-637-8713 B.G.&E. CO. (EMERGENCY): 410-685-0123	HAR'
STATE HIGHWAY ADMINISTRATION: 410-531-5533 3. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/ BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION	TAR
DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK. 4. ANY DAMAGE TO PUBLIC RIGHT-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.	
5. 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.	
6. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE	
PLACEMENT OF ANY ASPHALT. 7. 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. 8. DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE	N 55575
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.);	Grid Meridian 1386850
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.	d State
 9. ALL ASPECTS OF THE PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED. 10. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE 	Marylan
REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100-YEAR FLOODPLAIN. 11. THIS SUBDIVISION COMPLIES WITH THE AMENDED 5TH EDITION OF THE SUBDIVISION AND ZONING REGULATIONS (CB-45-2003)	F <
AND THE ZONING REGULATIONS, AS AMENDED BY COUNCIL BILL 75-2003. 12. THE SUBJECT PROPERTY IS ZONED R-12 PER THE FEBRUARY 2, 2004 COMPREHENSIVE ZONING PLAN, AND THE	
COMPREHENSIVE LITE ZONING AMENDMENTS 07/28/06. 13. 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. 38D5 AND 38D6 WERE USED FOR THIS	~
MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 38D5 AND 38D6 WERE USED FOR THIS PROJECT. 14. SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE.	
15. FOR DRIVEWAY ENTRANCE DETAIL REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD DETAIL R-6.03. 16. REFERENCE WAIVER PETITION WP-07-080 DENIED WAIVING THE SITE DEVELOPMENT PLAN REQUIREMENT, BUT ALLOWED	
AN ADJOINDER DEED RECORDED APRIL 19, 2007, L.10645, F. 402 TO ADJUST LOT LINES TO CREATE LOT 1278. 17. NOISE STUDY PERFORMED BY ROBERT H. VOGEL ENGINEERING INC. SEPTEMBER 27, 2010. THERE IS NO NOISE MITIGATION	
REQUIRED FOR THIS LOT. 18. STORMWATER MANAGEMENT (CONTRACTOR CONTRACTOR CONT	
THAN 5,000 SF (ACTUAL LOD IS 3,978 SF). 19. THIS PLAN IS EXEMPT FROM FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202(b)(1)(i) BECAUSE THE LOT IS LESS THAN 40,000 SQUARE FEET IN SIZE.	
20. LANDSCAPING IS NOT REQUIRED FOR THIS SITE SINCE THE LOT IS WITHIN A SUBDIVISION. 21. EXISTING TOPOGRAPHY IS BASED ON A FIELD RUN SURVEY PREPARED BY ROBERT H. VOGEL ENGINEERING, INC.,	
DATED ON SEPTEMBER, 2006. 22. THE PROPERTY OUTLINE IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY ROBERT H. VOGEL	
ENGINEERING, INC., DATED SEPTEMBER, 2006. 23. THERE ARE NO WETLANDS LOCATED ON THIS SITE PER A FIELD INSPECTION PERFORMED BY ROBERT H. VOGEL	
ENGINEERING, INC AND CERTIFIED ON DECEMBER 2, 2010. 24. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO HISTORIC BURIAL/ CEMETERY AND HISTORIC SITES/ FEATURES LOCATED ON SITE.	10
25. THIS PROJECT IS SUBJECT TO A DESIGN MANUAL WAIVER OF SECTION 4.3 OF VOLUME II OF THE HOWARD COUNTY DESIGN MANUAL REQUIRING SEWER SERVICE TO BE PROVIDED TO THE BASEMENT OR LOWEST FLOOR OF THE	TM. 38 P. 873
STRUCTURE, APPROVED ON MARCH 10, 2011. 26. A SIMPLIFIED ECP WAS APPROVED FOR THIS PROJECT ON APRIL 12, 2011.	LOT 624A SHIPLEY LAWRENCE R. SHIPLEY VENICE LT
SITE DATA LOCATION: TAX MAP 38, GRID 213, PARCEL 873	L.4088 F.320 USE: RESIDENTIAL
EXISTING ZONING: R-12 GROSS AREA OF PARCEL: 6,000 SF	$\mathbf{x} = \mathbf{x}$
DEED REFERENCE: L. 10401/ F. 362 DPZ REFERENCE: WP-07-080 AREA OF PLAN SUBMISSION: 6,000 SF	
AREA OF DISTURBANCE: 3,978 SF (0.0913 AC.) AREA OF 100-YR FLOODPLAIN: N/A AREA OF STEEP SLOPES: N/A	
NUMBER OF PROPOSED RESIDENTIAL LOTS: 1 AREA OF PROPOSED RESIDENTIAL LOTS: 0.138 AC.	
27. WP-16-135, APPROVED MAY 17, 2016 TO WAIVE SECTION 16.156(0)(1)	
SUBJECT TO: 1. APPROVAL OF SDP-11-01B IS HEREBY REACTIVATED AND EXTENDED	N 55545
FOR A SIX MONTH PERIOD FROM THE DATE OF WP-16-135 APPROVAL LETTER TO APPLY FOR ALL BUILDING PERMITS FOR	N RA
LOT 1278 OR UNTIL NOVEMBER 17,2016	1 SUR
PORCH 5' ^{10.5'} 15.5'	▲ · · · ·
35. 40	
	7 70 70
26'	
LOT	278
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	PLAN
Calle Deman 4/13/11	
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE Let Sherhale U/14/11 30' 0 30'	60' 90'
CHIEF, DIVISION OF LAND DEVELOPMENT JEH DATE	
DIRECTOR DATE	

SITE DEVELOPMENT PLAN ARWOOD PARK LOT 1278 HOWARD COUNTY, MARYLAND

N 555750

0 N 555450

TM. 38 P. 873 LOT 606 A NEUTZLING DAMON NEUTZLING ANGELA V T/E L.10761 F.112 USE: RESIDENTIAL

LOT# % 1278 6,000 SF

TM. 38 P. 873 LOT 612 A MCMICKLE MICHAEL KRESS MCMICKLE HEATHER LEE T/P L.10571 F.289 USE: RESIDENTIAL

TM. 38 P. 873 LOT 617 CAVELIUS GEORGE V TRUSTEE L.12445 F.438 USE: RESIDENTIAL

LOCATION PLAN SCALE: 1"=30'

COORDINATE TABLE NO. NORTHING EASTING 1 556163.14685 1387625.50058 3 556076.24111 1387715.37609 4 555989.99063 1387631.97538 6 556076.86636 1387542.09988

N 555450

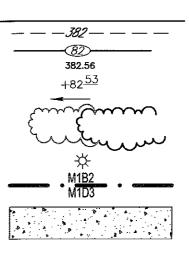
LEGEND

EXISTING CONTOUR PROPOSED CONTOUR EXISTING SPOT ELEVATION PROPOSED SPOT ELEVATION DIRECTION OF FLOW EXISTING TREES TO REMAIN

SOIL TYPE

LIGHT POLES

CONCRETE





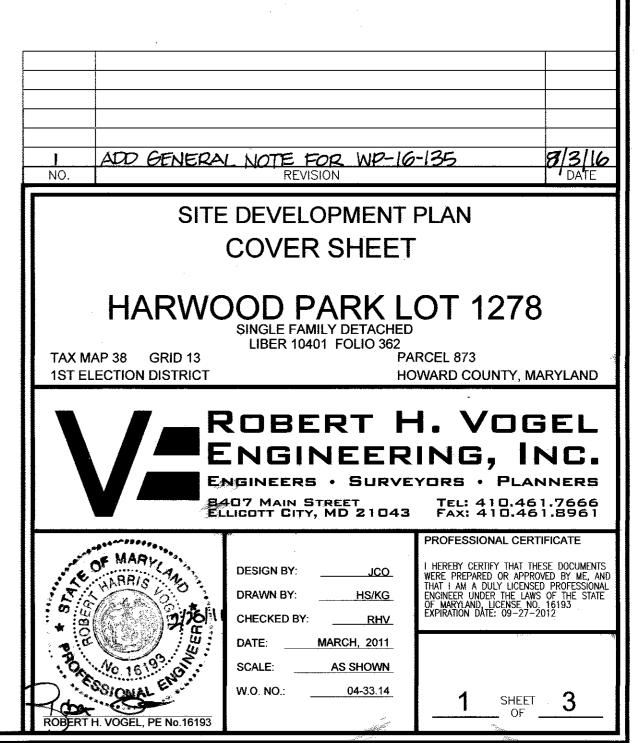
SCALE: 1"=2000' ADC MAP: 4937, C10

BENCHMARKS					
NO.	NORTHING	EASTING	ELEVATION		
38D5	N 558378.53	E 1386524.20	193.024		
38D6	N 557155.42	E 1384992.25	174.534		

SHEET INDEX	
DESCRIPTION	SHEET NO
COVER SHEET	1 OF 3
LAYOUT, GRADING, SEDIMENT, EROSION CONTROL AND SOILS PLAN	2 OF 3
SEDIMENT AND EROSION CONTROL DETAILS	3 OF 3

SOILS LEGEND					
SYMBOL	NAME / DESCRIPTION	GROUP			
UcB	URBAN LAND-CHILLUM-BELTSVILLE COMPLEX, 0 TO 5 PERCENT SLOPES	С			
UfA	URBAN LAND-FALLSINGTON COMPLEX, 0 TO 2 PERCENT SLOPES	D			

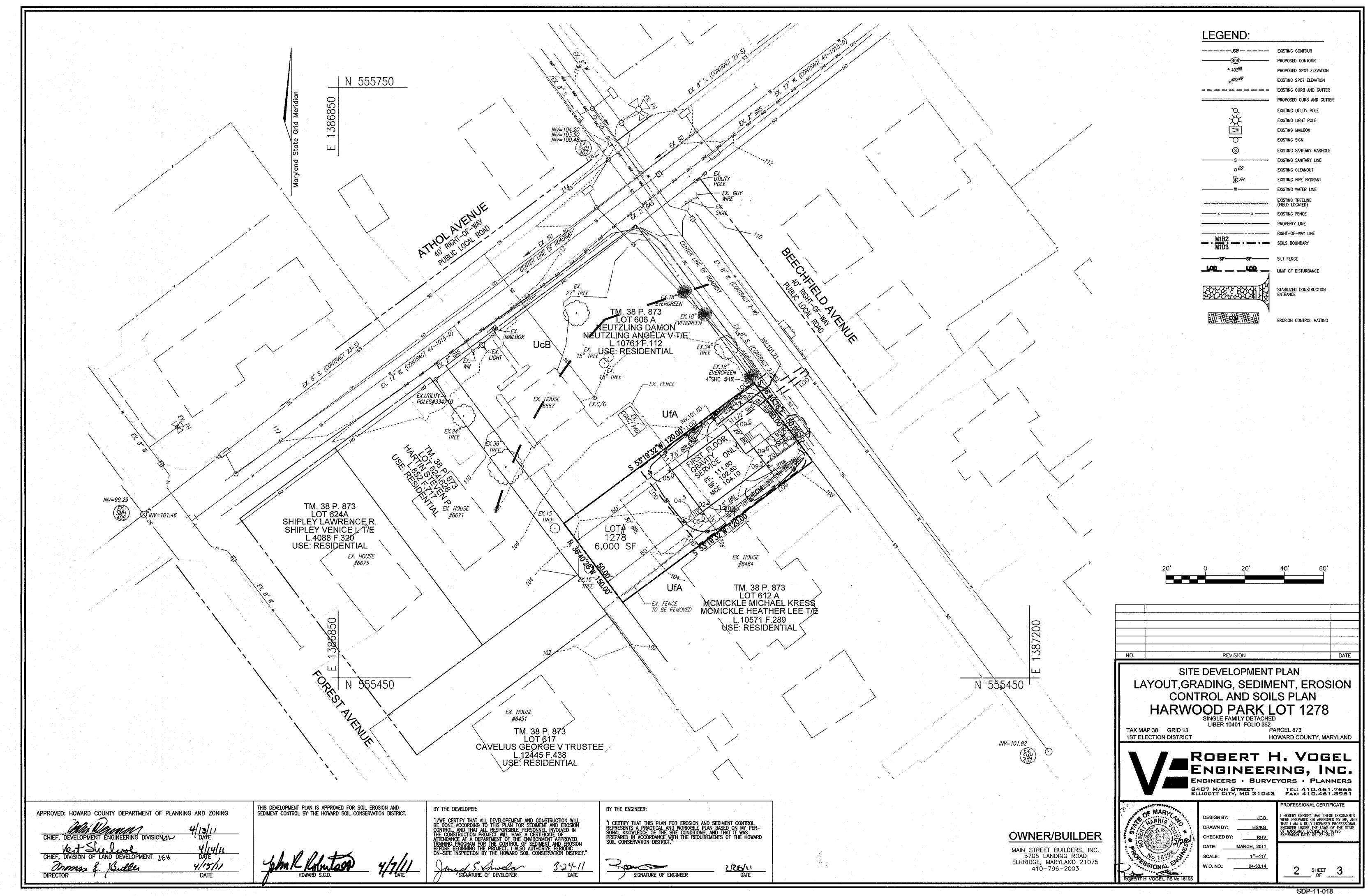
PERMIT INFORMATION CHART								
		SUBDIV	'ISIO	N NAM	IE		SECTION/ AREA	
		HARW(DOD	PARK			1377 A.	
	LOT/ PARCEL 1278/ 24							
DEED REF 10401/3		BLOCK 13		ZONE	TAX MAP 38	ELECI	T dist 1	CENSUS TR 6012.02
ADDRESS CHART							1	
LOT NO		STREET ADDRESS						
1278	6460	BEECH	IFIE	LD AVE	ENUE			



OWNER/BUILDER

MAIN STREET BUILDERS, INC. 5705 LANDING ROAD ELKRIDGE, MARYLAND 21075 410-796-2003

SDP-11-018



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 SCHEDULES:

1. PREFERRED: APPLY 2 TONS/ACRE DOLOMITIC LIMESTONE (92 IBS/1000 SQ. FT.) AND 600 IBS/ACRE 10-10-10 FERTILIZER (14 IBS/1000 SQ. FT.) BEFORE SEEDING HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 IBS/ACRE 30-0-0 UREAFORM FERTILIZER (9 IBS/1000 SQ. FT.) 2. ACCEPTABLE: APPLY 2 TONS/ACRE DOLOMITIC LIMESTONE (92 IBS/1000 SQ. FT.) AND 1000 IBS/ACRE 10-10-10 FERTILIZER (23 IBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THUR APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 IBS/ACRE (1.4 IBS/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31. SEED WITH 60 IBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 IBS/ACRE (.05 IBS/100() SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION 1: TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING.

OPTION 2: USE SOD. OPTION 3: SEER: WITH 60 IBS/ACRE KENTUCKY 30 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 IBS/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 SLOPE 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 RE-DISTURBED 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 IBS/ACRE 10-10-10 FERTILIZER (14 IBS/1000 SQ. FT.).

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 IBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 -- AUGUST 14, SEED WITH 3 IBS/ACRE OF WEEPING LOVEGRASS (.07 IBS/1000 SQ. FT.). FOR THE PERIOD

NOVEMBER 16 -- FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS/ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD. MULCHING: APPLY L-1/2 TO 2 TONS/ACRE (70 TO 90 IBS/1000 SQ. FT.) OF UNROTTED WEED-FREE, SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR

MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL. PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPE 8 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

REFER TO THE 1994 MAR4AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT

21.0 STANDARDS AND SPECIFICATIONS

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 MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

CONDITIONS WHERE PRACTICE APPLIES I. 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 CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.

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. IS NOT FEASIBLE. II. 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. MARTICAVD AGAROULTOICL CAPERIMENTAL 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. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR A SOIL SCIENTIST AND APPROVED BY THE ADDROMIST OR A SOIL SCIENTIST AND APPROVED BY THE ADDROMIST OR A SOIL SCIENTIST AND APPROVED BY THE ADDROMIST OR A SOIL SCIENTIST AND APPROVED BY THE ADDROMIST OR A SOIL SCIENTIST AND APPROVED BY THE ADDROMIST OR A SOIL SCIENTIST AND APPROVED BY

AGRONOMIST OR A SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL 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 THAT 1 AND 1/2" IN DIAMETER. II. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSERGE POISON MY THISTE OR OTHERS AS SPECIFIED

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 DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES

ROCEDURES 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. NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL

NATURAL TOPSOIL. II. PLACE TOPSOIL (IF REQURED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN AS SPECIFIED IN <u>20,0 VEGETATIVE</u> <u>STABILIZATION</u> – SECTION I – VEGETATIVE STABILIZATION METHODS AND MATERIALS.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND BY THE DEVELOPER: APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

R SITES HAVING DISTURBED AREAS OVER 5 ACRES 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 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 NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY

PHYTO-TOXIC MATERIALS

NATURAL TOPSOIL.

TOPSOIL APPLICATION

SPECIFIED BELOW:

II. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS SPECIFICE IN 200 VEGETATIVE STABILIZATION - SECTION I -VEGETATIVE STABILIZATION METHODS AND MATERIALS.

E APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF

TOPSOIL APPLICATION
 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.
 GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4"-8" HIGHER IN ELEVATION.
 DESCRIPTION DIFFORMENT DIFFORMENT IN A (" 2" LANCE

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 SOL 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. ALTERNATIVE TO PERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL FERTILIZER, COMPOSTED SLUDGE AND AMENDMENTS MAY BE APPLIED AS

SPECIFIED BELLOW: 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 DISTURBED AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS: COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS THAT ARE PERMITTED (AT TI

FROM, A PERSON OR PERSONS THAT ARE PERMITTED (AI THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06. 3. COMPOSTED SLUDGE SHALL CONTAIN AT LEAST 1 PERCENT NITROGEN, 1.5 PERCENT PHOSPHORUS, AND 0.2 PERCENT NITROGEN, 1.5 PERCENT PHOSPHORUS, AND 0.2 PERCENT POTASSIUM AND HAVE A DH 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.

COMPOSTED SQUARE FEET. 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.

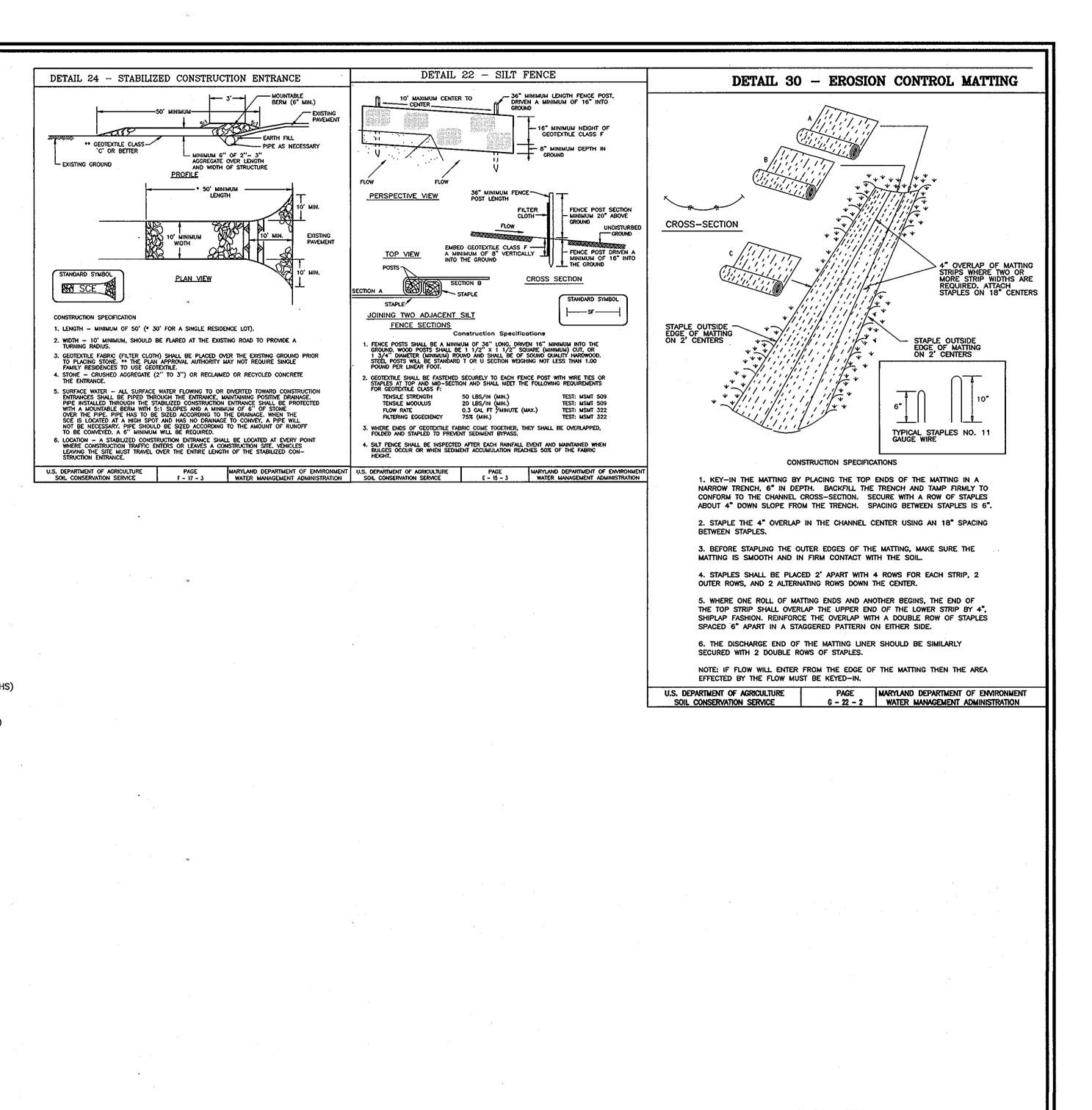
- SEDIMENT CONTROL NOTES 1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSE AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (410-313-1855). 2. ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE
- PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. AND REVISIONS THERETO.
- 3. 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.
- 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 DESIGN MANUAL, STORM DRAINAGE.
- 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 EEDING, AND MULCHING (SEC. G). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL
- BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES. 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. SITE ANALYSIS : TOTAL AREA_____ AREA DISTURBED AREA TO BE ROOFED OR PAVED_ AREA TO BE VEGETATIVELY STABILIZED TOTAL CI
- WASTE/BORROW LOCATION ____ 8. 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 CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10. 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. 11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- * TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT
 - SEQUENCE OF CONSTRUCTION
- 1. OBTAIN GRADING PERMIT. 2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS
- AND PERMITS (410-313-1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK.
- 3. INSTALL SEDIMENT CONTROL MEASURES, AS SHOWN ON PLAN AND IN ACCORDANCE WITH DETAILS.
- (2 DAYS) 4. AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL (3 DAYS)
- INSPECTOR TO PROCEED, ROUGH GRADE SITE. 5. CONSTRUCT HOUSES. THE FIRST FLOOR ELEVATIONS CANNOT I MORE THAN 1' HIGHER OR 0.2' LOWER THAN THE ELEVATIONS (6 MONTHS) SHOWN ON THIS PLAN.
- 6. UPON STABILIZATION OF ALL DISTURBED AREAS AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, (2 DAYS) REMOVE ALL SEDIMENT CONTROL DEVICES.

NOTES

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

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLIED мтн

- A. 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES SLOPES AND ALL SLOPES GREATER THAN 3:1.
- B. 14 CALENDAR DAYS FOR ALL OTHER DISTURBED AREAS.



OWNER/BUILDER

MAIN STREET BUILDERS, INC. 5705 LANDING ROAD ELKRIDGE, MARYLAND 21075

410-796-2003

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	BY THE ENGINEER:	
L DEVELOPEMENT AND CONSTRUCTION WILL O THIS PLAN FOR SEDIMENT AND EROSION L RESPONSIBLE PERSONNEL INVOLVED IN OJECT WILL HAVE A CERTIFICATE OF ARTMENT OF THE ENVIRONMENT APPROVED R THE CONTROL OF SEDIMENT AND EROSION E PROJECT. I ALSO AUTHORIZE PERIODIC Y THE HOWARD SOIL CONSERVATION DISTRICT."	"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PER- SONAL KNOWLEDGE OF THE SITE CONDITIONS, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."	
Jundy 3-24-11	2/26/11	
of developer date) SIGNATURE OF ENGINEER DATE	

1						
NO.	· · · · · · · · · · · · · · · · · · ·	REVISION		DATE		
	SITE	DEVELOPMENT	PLAN			
SEL	DIMENT & I	EROSION CON		AILS		
	HARWOOD PARK LOT 1278 SINGLE FAMILY DETACHED LIBER 10401 FOLIO 362 TAX MAP 38 GRID 13 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND					
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979 A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	OF MARYLAND	DESIGN BY: <u>JCO</u> DRAWN BY: <u>HS/KG</u> CHECKED BY: <u>RHV</u>	PROFESSIONAL CERTIN I HEREBY CERTIFY THAT THES WERE PREPARED OR APPROV THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF MARYLAND, LICENSE NO. EXPIRATION DATE: 09-27-20	E DOCUMENTS ED BY ME, AND PROFESSIONAL		
ROBERT I	No. 16: 93. 00 SOIONALE N. VOGEL, PE No. 16193	DATE: <u>MARCH, 2011</u> SCALE: <u>AS SHOWN</u> W.O. NO.: <u>04-33.14</u>	3 SHEET OF	3		

SDP-11-01