GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD. COUNTY PLUS
- THE CONTRACTOR SHALL NOTIFY THE 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 "MISS UTILITY" AT I-800-257-7777 AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION WORK

PROJECT BACKGROUND:

SEE VICINITY MAP IN THE TOP RIGHT CORNER OF THIS SHEET LOCATION:

TAX MAP.

ELECTION DISTRICT: ! ZONING: MXD-3 PER ZB-995M (APPROVED ON 02-08-01), UNDERLYING ZONING IS RR-DEO AND PER THE 2/02/04 COMPREHENSIVE ZONING PLAN. AREA OF BUILDABLE LOTS (Nos. 96-99, 108-111, 157-159 AND 161-171) FOR THIS SITE DEVELOPMENT PLAN: 5.67± ACRES. FOR OTHER SUBMISSIONS RELATED TO THIS SITE, SEE HOWARD COUNTY DEPT. OF PLANNING & ZONING FILE Nos.: S-OI-17, ZB-995M, PB-353, WP-OI-18. WP-03-02, P-03-01, F-03-90, P-04-01, P-05-02, F-04-92, S-06-16, P-07-02, ZB-1039M, PB-378, F-12-30, SDP-12-012, SDP-12-17, SDP-12-51, SDP-12-52

- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTC). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED. DIMENSIONS ARE MEASURED
- PERPENDICULAR OR RADIALLY BETWEEN ITEMS UNLESS OTHERWISE NOTED.
- EXISTING TOPOGRAPHY AND FEATURES COMPILED FROM F-06-161, F-08-072 & G.L.W. SURVEY DONE IN MAY/2009.
- SATISFIED BY AN EXISTING REGIONAL FACILITY CONSTRUCTED UNDER F-12-30. THE EXISTING FACILITY ON OPEN SPACE LOT 87 IS PUBLICLY OWNED AND JOINTLY MAINTAINED BY THE MAPLE LAWN HOA. THE RECHARGE OBLIGATIONS FOR THESE LOTS HAVE BEEN PROVIDED BY EXISTING FACILITIES LOCATED ON OPEN SPACE LOT 85 IN
- THE EXISTING UTILITIES SHOWN HEREIN WERE DERIVED FROM AVAILABLE PUBLIC RECORDS. THE CONTRACTOR MUST DIG TEST PITS (BY HAND) AT ALL UTILITY CROSSINGS AND CONNECTION POINTS TO VERIFY EXACT LOCATION, IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS.
- ALL ROADS LABELED AS "PUBLIC" ARE PUBLICLY MAINTAINED ONCE THEY ARE DEDICATED. ALL ROADS LABELED AS "PRIVATE" ARE PRIVATELY MAINTAINED
- THERE ARE NO GRAVE SITES, CEMETERIES, WETLANDS, 100-YR FLOODPLAIN OR STREAM ON THE BUILDABLE LOTS SHOWN ON THIS SITE DEVELOPMENT PLAN.
- ELSEWHERE WITHIN THE HILLSIDE DISTRICT OPEN SPACE THERE ARE WETLANDS, 100-YR FLOODPLAIN AND STREAMS. THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING (AS SHOWN ON SHEET 4 TO SATISFY S-OI-17 DEVELOPMENT CRITERIA AND SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL) SHALL BE POSTED AS PART OF THE GRADING PERMIT FOR EACH LOT (WHERE APPLICABLE).
- FOR ADDITIONAL INFORMATION ON THE LANDSCAPE SURETY SEE SHEET 4 AND THE GRADING PERMIT CHART ON SHEET
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAF ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
- A. WIDTH 12' (16' SERVING MORE THAN ONE RESIDENCE)
- B. SURFACE 6" OF COMPACTED CRUSHER RUN BASE W/TAR AND CHIP COATING (I-I/2"MIN.) C. GEOMETRY - MAX. 14% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS.

THE FOREST CONSERVATION OBLIGATIONS WERE ADDRESSED UNDER F-12-30 AND F-13-07.

- D. STRUCTURES (CULVERTS/BRIDGES) CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING) E. DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YR. FLOOD WITH NO MORE THAN I FOOT DEPTH OVER DRIVEWAY SURFACE.
- F. MAINTENANCE SUFFICIENT TO INSURE ALL WEATHER USE.

- BAY WINDOWS, WINDOW WELLS, CHIMNEYS, HEATING OR AIR CONDITIONING UNITS AND EXTERIOR STAIRWAYS IF NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT
- NO MORE THAN 4 FEET INTO ANY REQUIRED SETBACK AREA IN ACCORDANCE WITH SECTION 128 A.I. OF THE ZONING REGULATIONS, EXCEPT FOR THE ITEMS
- AS A CONSEQUENCE OF THE SKETCH PLAN, S-OI-17 APPROVAL PRIOR TO II-15-OI, THIS PROJECT IS GRANDFATHERED TO THE FOURTH EDITION OF THE
- THE TWO CAR GARAGES SHALL BE USED FOR PARKING PURPOSES ONLY AND ARE NOT PERMITTED TO BE CONVERTED TO OTHER USES IN ACCORDANCE WITH SECTION 133.D.2.a OF THE ZONING REGULATIONS AND THE APPROVED MLF DEVELOPMENT CRITERIA. UNLESS OTHERWISE PROHIBITED BY POSTED SIGNAGE OR CURB MARKING, ON-STREET PARALLEL PARKING ALONG THE CURB WITHIN THE PUBLIC RIGHTS-OF-WAY IS ALLOWED FOR VISITOR AND OVERFLOW PARKING. THE ON-STREET PARKING AREA WILL NOT BE STRIPED. THE ALLEYS ARE OWNED BY THE HOA AND THEY ENFORCE THE PARKING PROHIBITION IN THEIR ALLEY "RIGHT-OF-WAY" THAT'S IN THE COVENANT FOUND AT L. 8259 F. 305 \$ 3
- 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 IOO YEAR FLOODPLAIN.
- MINIMUM BUILDING SETBACK RESTRICTIONS FROM PROPERTY LINES AND THE PUBLIC ROAD RIGHTS OF WAY FOR ALL SFD AND SFA RESIDENTIAL LOTS WILL BE PROVIDED IN ACCORDANCE WITH THE COMPREHENSIVE DEVELOPMENT CRITERIA APPROVED FOR THIS PROJECT UNDER 5-01-17, 5-06-16, PB-353, PB 378 AND ZB-945M.
- 24. PHASING FOR THIS PROJECT IS IN ACCORDANCE WITH THE DECISION AND ORDER FOR ZB-995M AND THE DECISION AND ORDER FOR PB CASE NO. 353 (S-OI-IT) AND PB CASE NO. 378 AND S-06-16.

LOT DEVELOPMENT DATA

- N. PRESENT ZONING: MXD-3 PER ZB-995M B. PROPOSED USE OF SITE: 22 SFD RESIDENTIAL DWELLINGS
- C. PUBLIC WATER & SEWER TO BE UTILIZED (CONTR. #24-4702-D, 24-4703 & 24-4704-D)
- D. PARKING REQUIRED PER Sec. 133.D.2.a.: 2 SPACES/UNIT'X 22 = 44 SPACES PARKING PROVIDED: 44 GARAGE SPACES (ALL LOTS HAVE AT LEAST A 2-CAR GARAGE, VILLA AND ESTATE LOTS ALSO HAVE DRIVEWAY PARKING FOR 2 CARS. SEE NOTE 21 ABOVE REGARDING PARKING).
- E. RECREATION OPEN SPACE FOR THIS SDP IS ADDRESSED UNDER F-06-161 (SEE OVERALL OPEN SPACE PROVISION CHART ON THIS SHEET).
- 2. AREA TABULATION
- A. AREA OF BUILDABLE LOTS FOR THIS SUBMISSION: 247,012± SF OR 5.67± AC. B. AREA OF THIS PLAN SUBMISSION:
- C. AREA OF DISTURBANCE BY THIS SDP: 5.84± ACRES

3. LOT DESIGNATION:

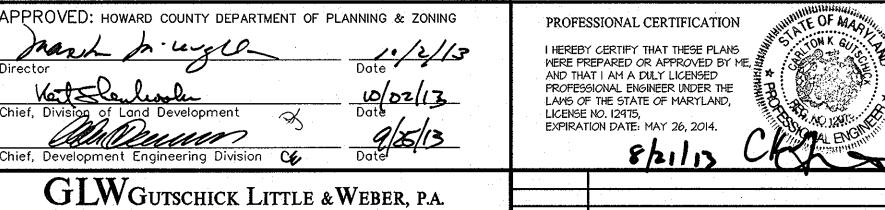
LOT TYPE	LOT NUMBERS		MINIMUM LOT SIZE	MIN, LOT WIDTH AT FRONT BRL	MAX, BUILDING HT.
COTTAGE	108-111 \$ 157-159		2,500 SQUARE FEET	32 FEET	38 FEET (MEAN HT.)
VILLA	96-99 \$ 167-171		5,400 SQUARE FEET	. 54 FEET	38 FEET (MEAN HT.)
ESTATE	161-166		20,000 SQUARE FEET	120 FEET*	38 FEET (MEAN HT.)
* EXCEP	T FOR LOTS IDENTIFIED C	N AMENDED CSP. WHIC	H SHALL NOT BE LESS THAN I	OO' AT FRONT BRL.	

4. STRUCTURE SETBACKS PER S-06-16 AND PLAT Nos 21994-22001 \$ 22398-22405 FRONT SETBACK SIDE SETBACK MINIMUM REAR SETBACKS

20' TO PRINCIPAL STRUCTURE: 3' FOR REAR (DETACH/ATTACH) GARAGE OR TO ACCESSORY STRUCTURES. 20' TO PRINCIPAL STRUCTURE. 3' FOR REAR (DETACH/ATTACH) GARAGE OR TO ACCESSORY STRUCTURES. 12' MIN. 20' TO PRINCIPAL STRUCTURE. 20' FOR REAR (DETACH/ATTACH) GARAGE OR TO ACCESSORY STRUCTURES. ESTATE 20' MIN.

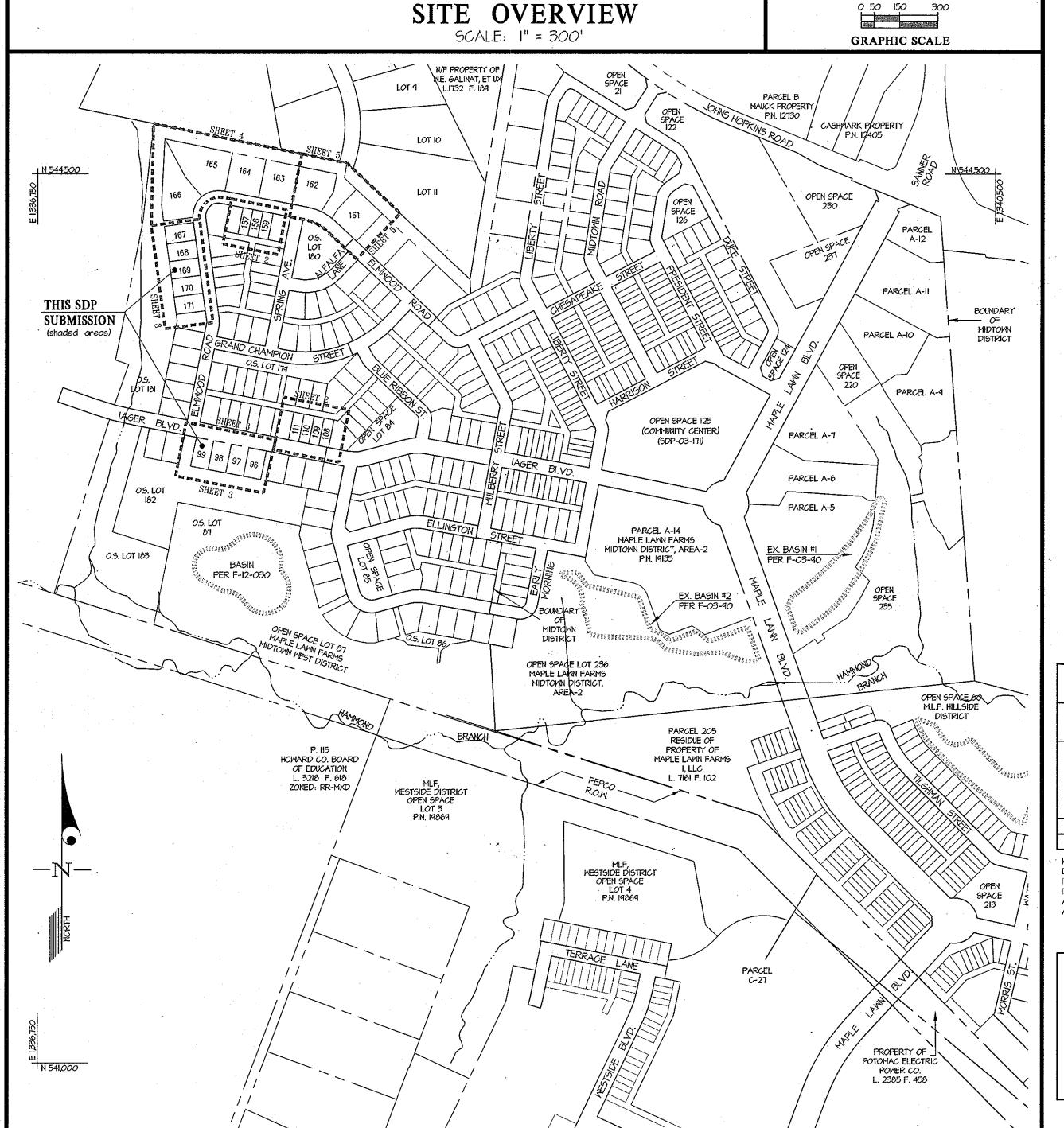
** THERE IS NO SIDE SETBACK (O') FOR A GARAGE. *** THERE IS A IO' SIDE SETBACK FOR A GARAGE.

- A. A ZERO LOT LINE DWELLING UNIT MAY BE LOCATED ON ANY PROPERTY LINE WHICH IS NOT A STREET RIGHT-OF-WAY PROVIDED THAT (1) NO PART OF THE DWELLING SHALL ENCROACH ONTO THE ADJOINING LOT: (2) AN ACCESS EASEMENT FOR THE PURPOSE OF MAINTENANCE TO THE SIDE OF THE STRUCTURE SHALL BE INCLUDED IN THE DEED WHERE APPROPRIATE. SPACING BETWEEN DWELLING UNITS SHALL BE A MINIMUM OF 8'. GARAGES HOWEVER, MAY ADJOIN ALONG THE PROPERTY LINE, PROVIDED THEY COMPLY WITH ALL BUILDING AND FIRE CODE REGULATIONS.
- B. OPEN DECKS MUST BE A MINIMUM OF IO' FROM REAR PROPERTY LINE, AND ARE SUBJECT TO SIDE YARD SETBACKS. C. FACING ACCESSORY STRUCTURES AND DETACHED GARAGES (ACROSS AN ALLEY/LANE R.O.H.) SHALL BE 30' APART.
- D. EXCEPTIONS TO FRONT SETBACK REQUIREMENTS. SECTION 128.A.I APPLIES, EXCEPT FOR THE FOLLOWING
 - PORCHES MAY ENCROACH INTO THE FRONT YARD TO WITHIN 2' FROM THE FRONT PROPERTY LINE OR RIGHT-OF-WAY FOR COTTAGES, MANORS, AND VILLAS: TO WITHIN 12' FOR ESTATES. PORCHES MAY ENCROACH INTO THE SIDE YARD OF CORNER LOTS TO WITHIN 2' FROM THE RIGHT-OF-WAY FOR COTTAGES, MANORS, AND VILLAS; TO WITHIN 12' FOR ESTATES. WHERE A SIDE YARD ABUTS AN OPEN SPACE OR PASSAGE, PORCHES MAY ENCROACH TO WITHIN I' FROM THE SIDE PROPERTY LINE FOR COTTAGES, MANORS, AND VILLAS; TO WITHIN 12' FOR ESTATES.
 - STOOPS AND STEPS MAY ENCROACH INTO THE FRONT AND SIDE YARDS TO WITHIN I' FROM THE FRONT PROPERTY LINE.
 - GARDEN WALLS, FENCES, PIERS, GATES AND SIMILAR ORNAMENTS MAY BE BUILT IN THE FRONT AND SIDE YARDS NOT CLOSER THAN I' FROM THE FRONT PROPERTY LINE (WALL FOOTING MUST BE OUTSIDE ANY EASMENTS); NOT GREATER THAN 48" IN HEIGHT ALONG THE FRONT PROPERTY LINE AND NOT GREATER THAN 72" IN HEIGHT ALONG THE SIDE AND REAR PROPERTY LINES.



MAPLE LAWN FARMS SITE DEVELOPMENT PLAN

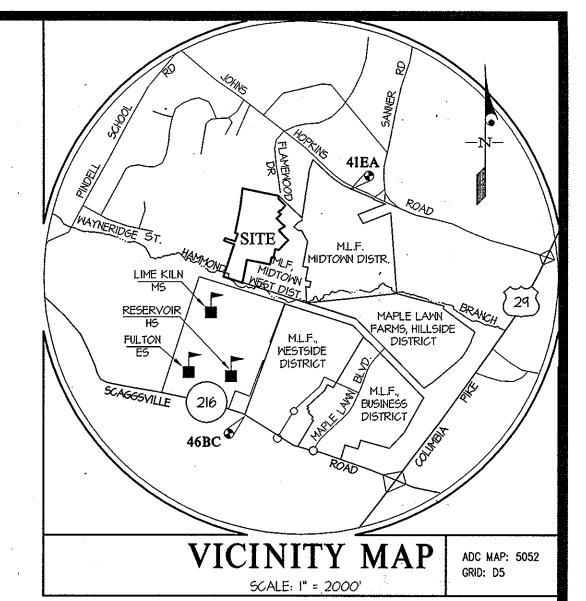
MIDTOWN WEST DISTRICT - AREA 2 LOT Nos. 96-99, 108-111, 157-159 and 161-171 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



HOWARD COUNTY CONTROL NAD83 HORIZONTAL DATA & NVD88 VERTICAL DATA

ELEV. = 472.16 N = 539,925.13 E=1,337,205.77 STANDARD DISC ON CONCRETE MONUMENT

ELEV. = 407.05 N = 544,825.81 E= 1,339,217.44 STANDARD DISC ON CONCRETE MONUMENT



OVERALL OPEN SPACE PROVISION FOR MAPLE LAWN FARMS ACTIVE RECRÉATION PHASE NUMBER (AND NAME) DPZ FILE No. 6R099 PROVIDED IN OPEN SPACE IN O.S. PROVIDED IN SPACE (35% OF ACREAGE AC. (%) *** GROSS AC.) AC. (%) * I (BUSINESS DISTRICT, AREA-I) F-03-07 18.19 205 (40.7) 1.82 51.98 2 (MIDTOWN DISTRICT AREA-I) 13.10 15.75 (42.1) 1.52 (47.7)① F-03-90 37.43 1.31 58.80 20.58 22.85 (38.9) F-04-92 3 (MIDTOWN DISTRICT, AREA-2 2.06 4a (HILLSIDE DISTRICT, AREA-I) F-05-81 15.47 5.41 6.70 (43.3) 0.54 0.29 (4.3) (2) 3.12 1.23 (39.4) 46 (MIDTOWN DISTRICT, AREA-3) F-05-139 (BUSINESS DISTRICT, AREA-2/ F-05-II2/II3 3.00 0.00 HILLSIDE DISTRICT, AREA-2 5a (HILLSIDE DISTRICT, AREA-I) F-06-43 0.00 0.00 0.00 0.00 56 (HILLSIDE DISTRICT, AREA-3) F-06-161 33.26 11.64 18.50 (55.6) 1.61 (8.7) 5.50 (36.5) 6a (HILLSIDE DISTRICT, AREA-4) F-08-072 15.05 5.27 0.53 F-07-183 3.05 1.07 0.00 0.10 26.65 (29.4) 66 (WESTSIDE DISTRICT) -08-54/F-08-5 90.60 3171 317 4.76 (17.9) ③ 5.81 0.94 (5.7) HILLSIDE DISTRICT, AREA-5) F-10-61 16.60 0.58 8a (HILLSIDE DISTRICT, AREA-5) F-II-27 0.20 (0.0) 8b (WESTSIDE DISTRICT, AREA-2, F-12-21 0.67 (0.0) 0.00 0.00 0.00 0.67 (100) ④ (MIDTOWN WEST DISTRICT) F-12-20 1.65 0.58 0.09 (5.5) 0.06 & (MIDTOWN WEST DISTRICT) 13.59 (44.9) 1.29 (9.5) (5) F-12-29 10.58 30.22 1.06 F-I2-I5 9.37 0.00 (0.0) 0.33 0.00 (0.0) 96 (WESTSIDE DISTRICT, AREA-3) F-13-*0*3 0.00 0.00 0.69 (0.0) 0.00 0.69 (100) 76 (MIDTOWN WEST DISTRICT, AREA-: F-13-07 13.59 (39.9) 34.08 11.93 1.19 5.05 (37.1) (7) F-13-08 0.00 (0.0) 75 79 26.53 0.00 (0.0) (8) 3.74 (24.2) 0.54 5.41 F-12-86 15.46 151.84 (30.7) 494.93 17.32 21.87 (14.4)

- THE PERCENTAGE OF OPEN SPACE PROVIDED IS BASED ON THE GROSS SITE ACREAGE ** 10% OF THE OPEN SPACE REQUIRED MUST BE AVAILABLE FOR ACTIVE RECREATION.
- *** THE PERCENTAGE OF ACTIVE RECREATION O.S. PROVIDED IS BASED ON THE O.S. PROVIDED (CUMULATIVE TOTAL ACREAGE) 7.52 AC. = COMMUNITY CENTER (O.S. 125 - 5.01 AC.), O.S. 126 (O.55 AC.) AND O.S. 230 (1.96 AC.)
- 0.29 AC. = PATHWAYS) 4.76 AC. = 05 LOT 4 (4.76 AC.)
- (4) 0.67 ACRES = 05 Lot 68 (0.67 Ac.)
- 5) 1.29 ACRES = 05 Lot 85 (0.63 Ac.), and 05 Lot 84 (0.66 Ac.)
- (6) 0.69 ACRES = 05 115 (0.69 Ac.)
- (1) 5.05 AREAS = 05 179 (0.73 Ac.), 05 180 (0.74 ac.), 05 182 (3.58) (8) 3.74 Ac. = 05 3 (3.74 Ac.)
- OPEN SPACE LOTS 126 AND 230 ARE CONSIDERED RECREATIONAL SINCE RESIDENTS WILL
- BE ABLE TO GATHER AND CHILDREN WILL BE ABLE TO PLAY IN THESE AREAS.

THIS PLAN HAS BEEN S PERMITS IN ACCORDA FOR MLF.			
LOT GROUPS	DISTURBED AREA (Ac.)	LANDSCAPE SURETY AMOUNT	LANDSCAPE INSPECTION FEES PAID
96-99	0.84±	\$8,160.00	\$122.40
108-111	0.48±	\$2,400.00	\$100.00
157-159	0.35±	\$1,800.00	\$100.00
161-165	2.80±	\$16,950.00	\$169.50
167-171	0.86±	\$8,160.00	\$122.40
166	0.5l±	\$3,240.00	\$100.00
TOTAL	5.84±	\$40,710.00	\$714.30

WITHIN I YEAR OF SIGNATURE APPROVAL OF THIS SDP BY THE DIRECTOR OF DPZ, THE BUILDER SHALL APPLY TO THE DEPT. OF INSPECTIONS, LICENSES AND PERMITS FOR BUILDING PERMITS TO INITIATE THE CONSTRUCTION ON THIS SDP. THE BUILDER SHALL APPLY FOR BUILDING PERMITS FOR ALL CONSTRUCTION AUTHORIZED ON THIS SDP WITHIN 5 YEARS OF ITS APPROVAL.

SHEET INDEX

- SITE DEVELOPMENT PLAN SITE DEVELOPMENT PLAN SITE DEVELOPMENT PLAN
- SITE DEVELOPMENT PLAN SEDIMENT CONTROL PLAN SEDIMENT CONTROL NOTES and DETAILS
- 8. LANDSCAPE PLAN IO. LANDSCAPE PLAN II. LANDSCAPE PLAN

COVER SHEET

		ADDRESS	CHAR	T
LOT No.	STREET ADDRESS		LOT No.	STREET ADDRESS
96	11473 IAGÊR BOULEVARD		161	7738 ELMWOOD ROAD
97	11477	•	162	7744
98	11481		163	7748
99	11485		164	7752
`.			165	7156
108	11458 IAGER BOULEVARD		166	1160 ELMWOOD ROAD
109	11460			•
110	11462		167	7764 ELMWOOD ROAD
10	11464		168	7768
			169	7772 ,
151	7751 ELMWOOD ROAD		170	7776
158	7749		171	7780
159	7747			
-	,			

WATER CODE: E2I			٠. ٔ	_	SEWER CODE: 7695000				
DEVELOPMENT NAME: . MAPLE LAWN FARMS					ISTRICT/AREA OWN WEST DIST./ AREA 2	L 96-99, 157-159	OTS 108-111, & 161-171	CENSUS TRA 6051.02	
PLAT 21994-22001 \$ 22398-22405	ZONE MXD-3	TAX MAP 41	GRI 15 (ELEC. DIST. 5			:	
	·	SCA	\LE		ZONING		G. L.	W. FILE No	o.
		AS SH	HOW	١	MXD-3	,5.	1	1082	
		DA	TE		TAX MAP — (GRID ·		SHEET	٠.,
		AUG/	201.	3	41-15&3	, 91	1	OF 11	

HOWARD COUNTY, MARYLAND

PERMIT INFORMATION CHART

GLWGUTSCHICK LITTLE &WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS

3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186 .04001\06013\SDP-SFD\HILLSIDE-Area 5\06013-CS (Area5).dwg DES. mbt DRN. klp CHK. mbt DATE

PROPERTY OWNER (SELLER): MAPLE LAWN FARMS 1, LLC 1829 REISTERSTOWN ROAD, SUITE 300 BALTIMORE, MD 21208 PH: 410-484-8400 ATTN.: MARK BENNETT APP'R.

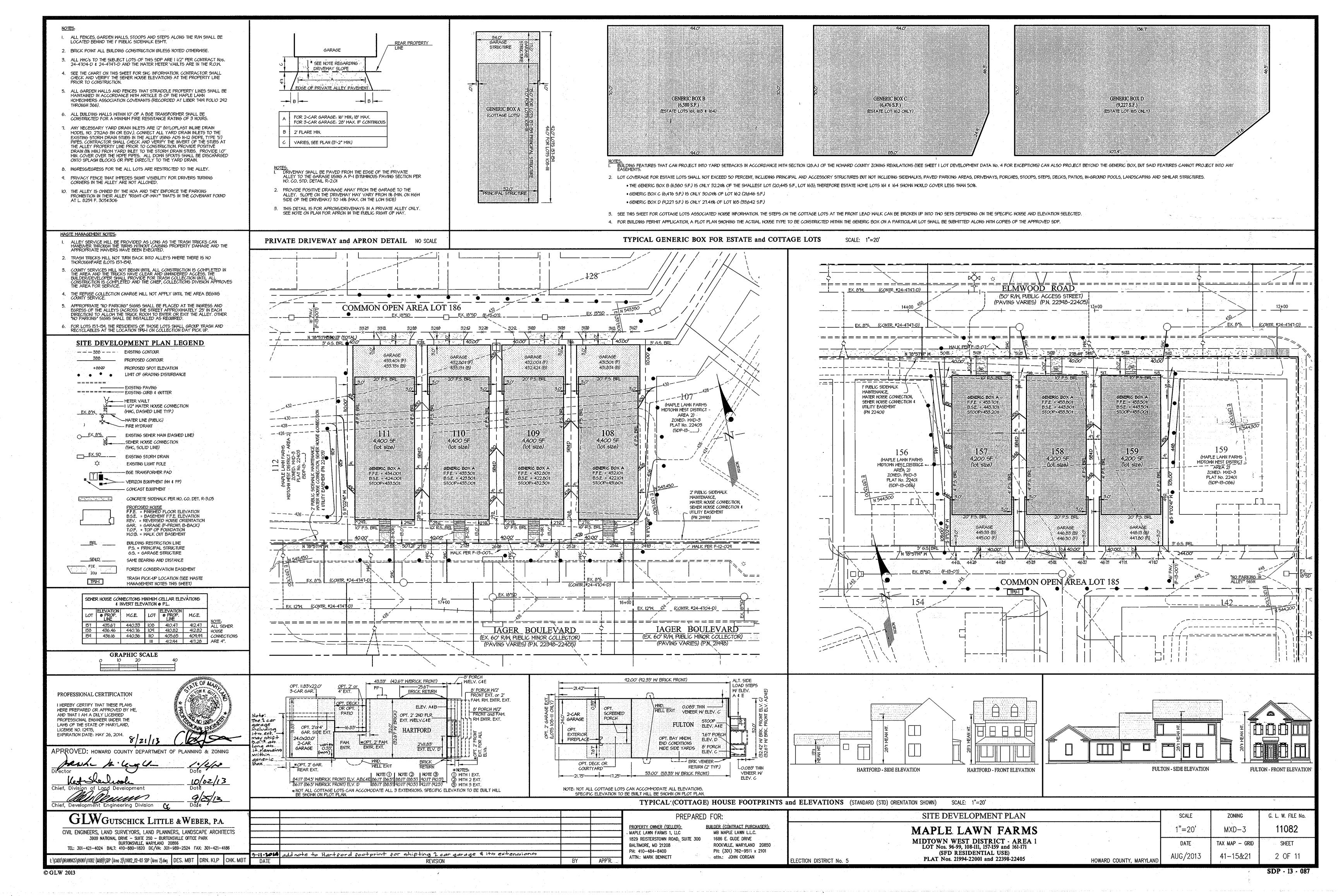
BUILDER (CONTRACT PURCHASER): MB MAPLE LAWN L.L.C. 1686 E. GUDE DRIVE attn.: JOHN CORGAN

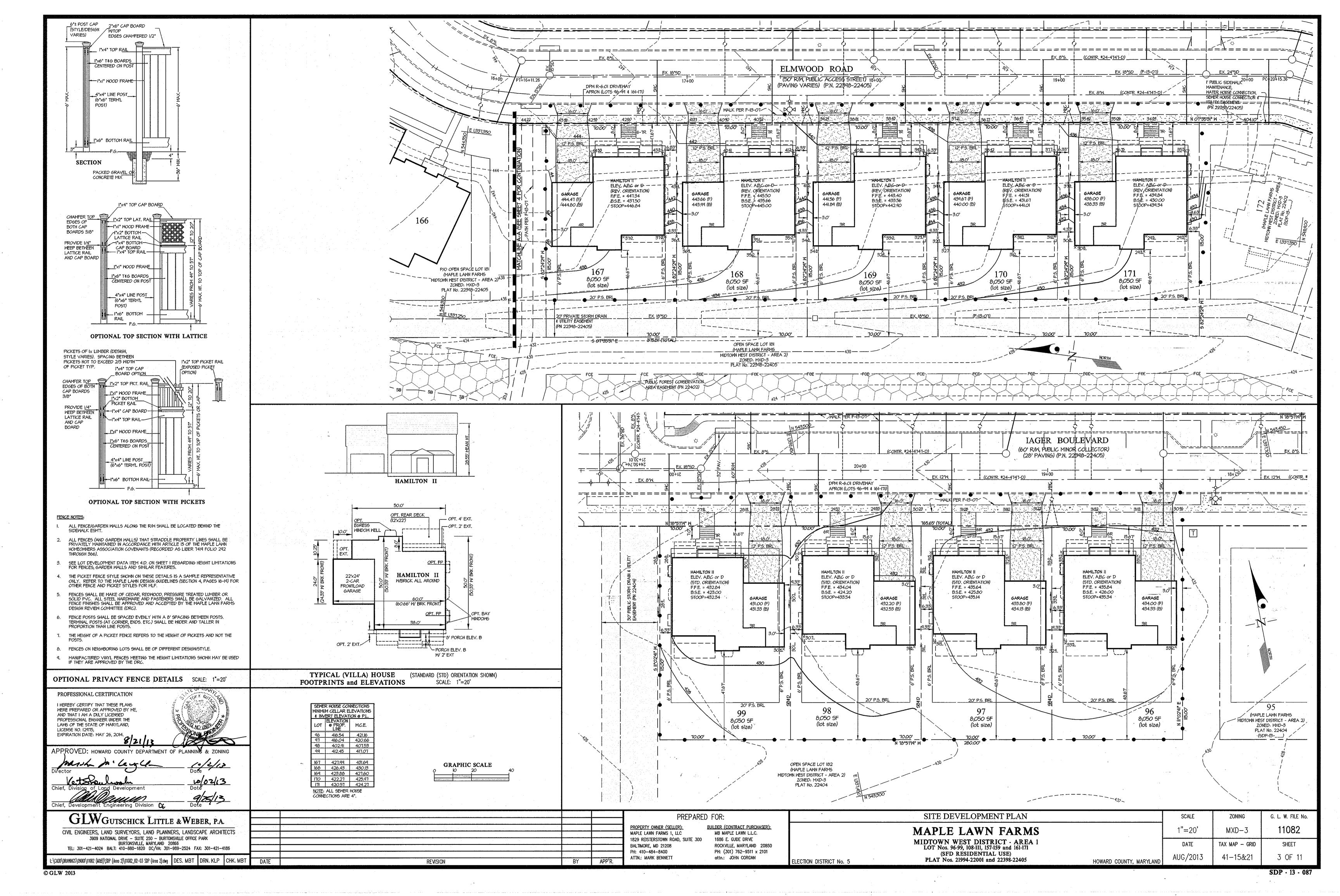
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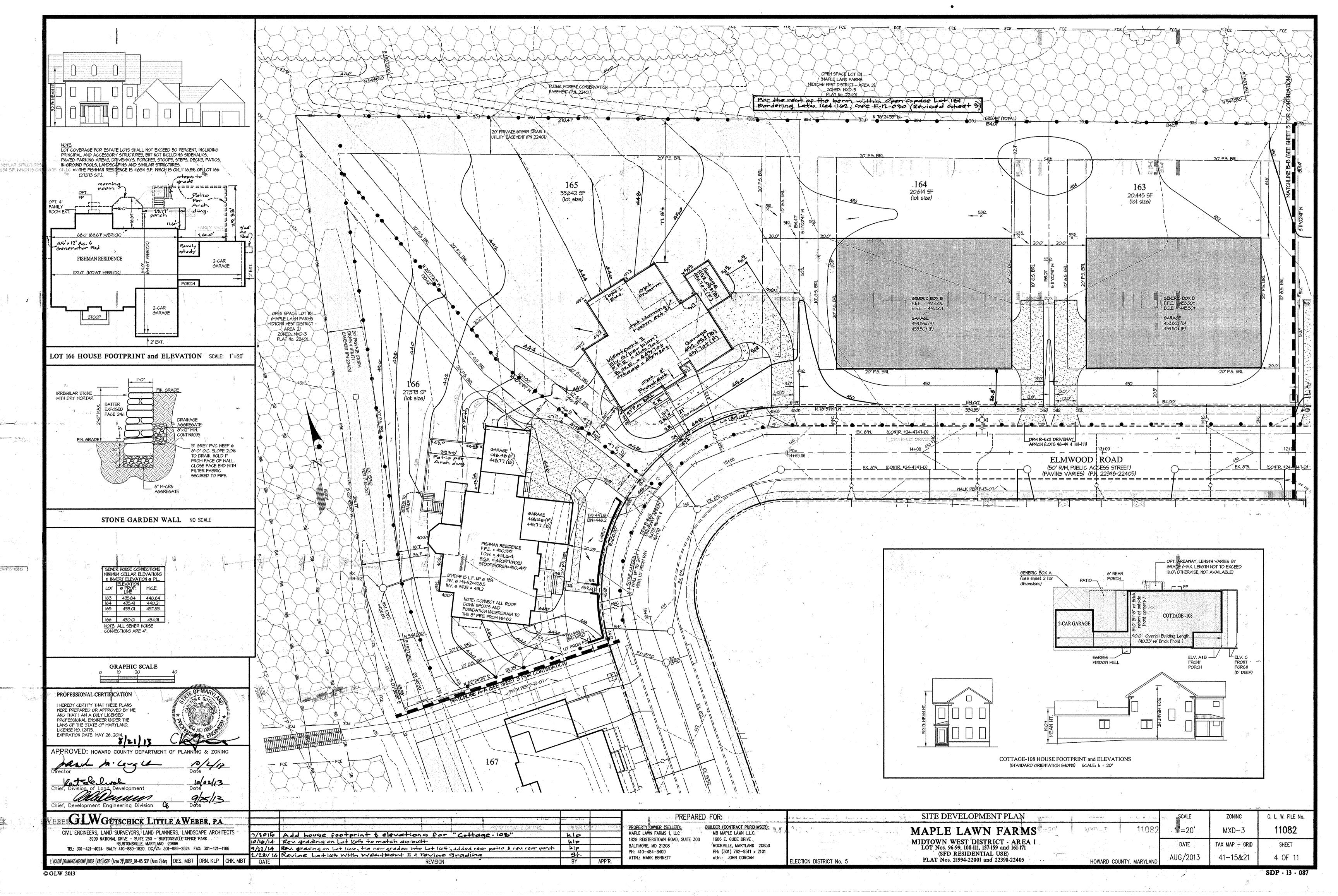
ROCKVILLE, MARYLAND 20850 PH: (301) 762-9511 x 2101

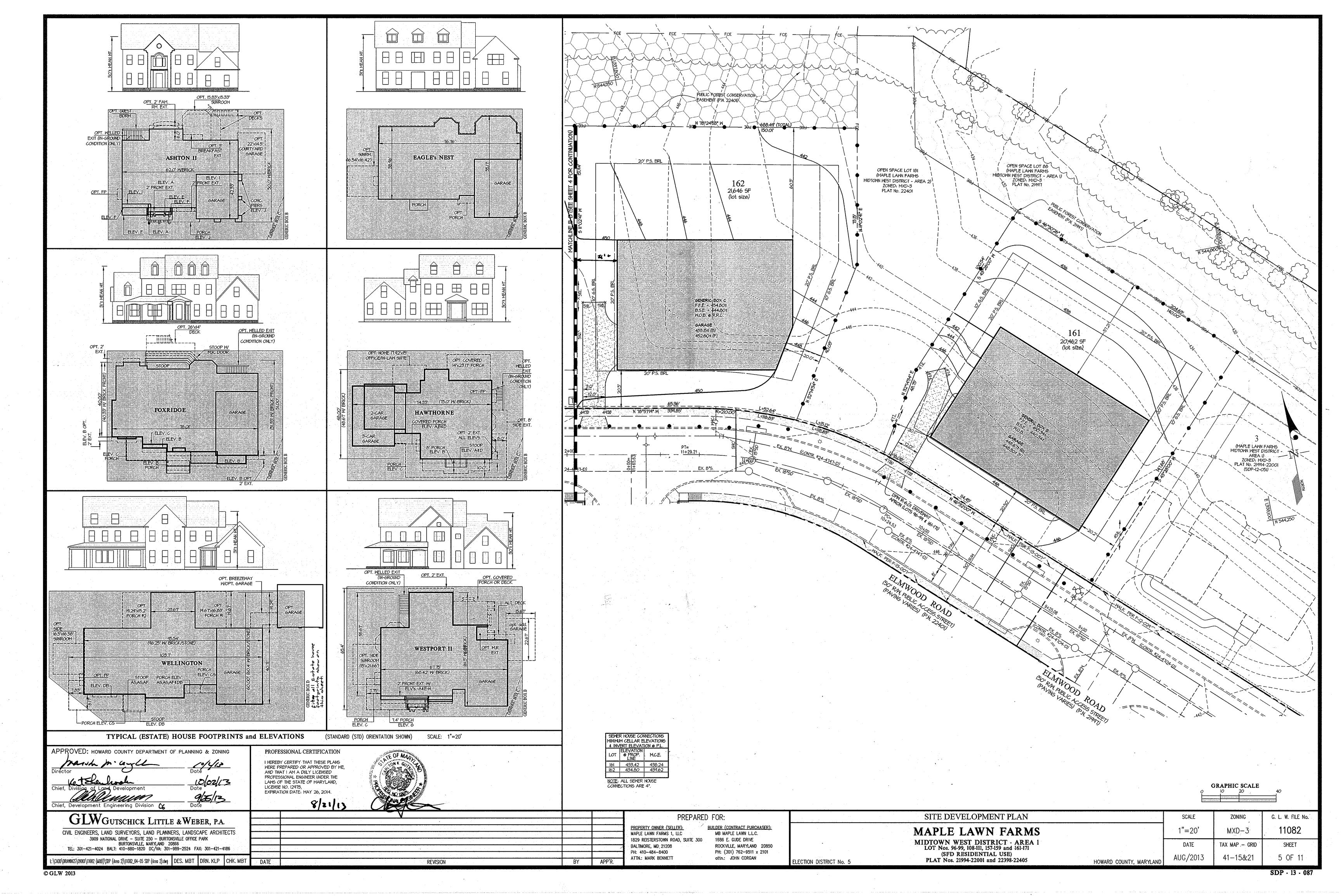
LECTION DISTRICT No. 5

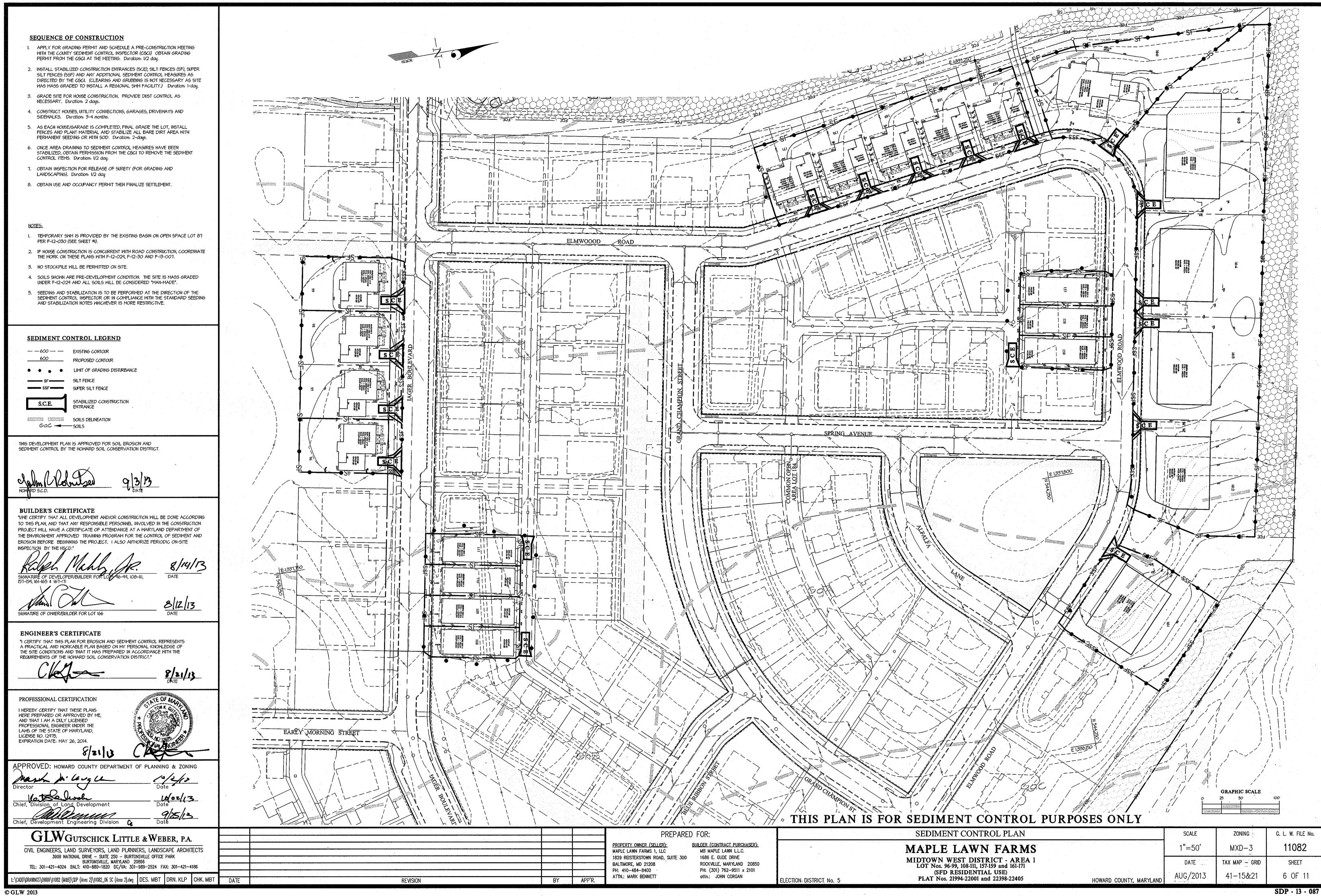
MAPLE LAWN FARMS MIDTOWN WEST DISTRICT - AREA 1 LOT Nos. 96-99, 108-111, 157-159 and 161-171 (SFD RESIDENTIAL USE) PLAT Nos. 21994-22001 and 22398-22405











	B-4-2 STANDARD AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS
	DEFINITION THE PROCESS OF PREPARING THE SOILS TO SUSTAIN ADEQUATE VEGETATIVE STABILIZATION.
	<u>PURPOSE</u>
	TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. CONDITIONS WHERE PRACTICE APPLIES
	WHERE VEGETATIVE STABILIZATION IS TO BE ESTABLISHED.
Δ	<u>CRITERIA</u> <u>SOIL PREPARATION</u>
	TEMPORARY STABILIZATION
b.	SEEDBED PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 INCHES BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS DISC HARROWS OR CHISEL PLOWS RIPPERS MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENED, IT MUST NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROUGHENED CONDITION. SLOPES 3:1 OR FLATTER AR TO BE TRACKED WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
	PERMANENT STABILIZATION A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE. THE MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT ARE:
	1. SOIL PH BETWEEN 6.0 AND 7.0.
	II. SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (PPM). III. SOIL CONTAINS LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL (GREATER TH
	30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE AMOUNT OF MOISTURE. AN EXCEPTION: IF LOVEGRASS WILL BE PLANTED, THEN A SANDY SOIL (LESS THAN 30 PERCENT SILT PLUS CLAY) WOULD BE ACCEPTABLE. IV. SOIL CONTAINS 1.5 PERCENT MINIMUM ORGANIC MATTER BY WEIGHT.
	V. SOIL CONTAINS SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION.
	APPLICATION OF AMENDMENTS OR TOPSOIL IS REQUIRED IF ON-SITE SOILS DO NOT MEET THE ABOVE CONDITIONS.
	GRADED AREAS MUST BE MAINTAINED IN A TRUE AND EVEN GRADE AS SPECIFIED ON THE APPROVED PLAN, THEN SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES.
	APPLY SOIL AMENDMENTS AS SPECIFIED ON THE APPROVED PLAN OR AS INDICATED BY THE RESULTS OF A SOIL TEST.
e.	MIX SOIL AMENDMENTS INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEAN RAKE LAWN AREAS TO SMOOTH THE SURFACE, REMOVE LARGE OBJECTS LIKE STONES AND BRANCHES AND READY THE AREA FOR SEED APPLICATION. LOOSEN SURFACE SOIL BY DRAGGING WITH A HEAVY CHAIN OR OTHER EQUIPMENT TO ROUGHEN THE SURFACE WHERE SITE CONDITIONS WILL NOT PERMIT NORMAL SEEDBED PREPARATION. TRACK SLOPES 3:1 OR FLATTER WITH TRACKED EQUIPMENT LEAVING THE SOIL IN AN IRREGULAR CONDITION WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. LEAVE THE TOP 1 TO 3 INCHES OF SOIL LOOSE AND FRIABLE. SEEDBED LOOSENING MAY BE UNNECESSARY ON NEWLY DISTURBED AREAS.
<u>B.</u> 1.	TOPSOILING TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION. THE PURPOSE IS 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/
2.	UNACCEPTABLE SOIL GRADATION. TOPSOIL SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SFORTH 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—NRCS.
3.	TOPSOILING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
b. c.	THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETAT CROWTH. 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. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
4.	THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE. AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN.
	TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING CRITERIA: TOPSOIL MUST BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, OR LOAMY SA OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVEI BY THE APPROPRIATE APPROVAL AUTHORITY. TOPSOIL MUST NOT BE A MIXTURE OF CONTRASTING
b.	TEXTURED SUBSOILS AND MUST CONTAIN LESS THAN 5 PERCENT BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1.5 INCHES IN DIAMETER. TOPSOIL MUST BE FREE OF NOXIOUS PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACK
c.	GRASS, JOHNSON GRASS, NUT SEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED. 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.
6. a.	TOPSOIL APPLICATION EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED WHEN APPLYING TOPSOIL.
	UNIFORMLY DISTRIBUTE TOPSOIL IN A 5 TO 8 INCH LAYER AND LIGHTLY COMPACT TO A MINIMUM THICKNESS OF 4 INCHES. SPREADING IS TO 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 MUST BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
	TOPSOIL MUST NOT BE PLACED IF 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 PROPER GRADING AND SEEDBED PREPARATION. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)
1.	SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR B LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OF 5 ACRES OR MORE. SOIL ANALYSIS MA BE PERFORMED BY A RECOGNIZED PRIVATE OR COMMERCIAL LABORATORY. SOIL SAMPLES TAKEN FOR ENGINEERING PURPOSES MAY ALSO BE USED FOR CHEMICAL ANALYSES.
2.	FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROPRIATE EQUIPMENT. MANURE MAY BE SUBSTITUTED FOR FERTILIZER WITH PRIO APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY. FERTILIZERS MUST ALL BE DELIVERED TO THE SITE FULLY LABELED ACCORDING TO THE APPLICABLE LAWS AND MUST BEAR THE NAME, TRADE NAME OR TRADEMARK AND WARRANTY OF THE PRODUCER.
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 OXID PLUS MAGNESIUM OXIDE). LIMESTONE MUST BE GROUND TO SUCH FINENESS THAT AT LEAST 50 PERCENT WILL PASS THROUGH A #100 MESH SIEVE AND 98 TO 100 PERCENT WILL PASS THROUGH A #20 MESH SIEVE.
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. WHERE THE SUBSOIL IS EITHER HIGHLY ACII OR COMPOSED OF HEAVY CLAYS, SPREAD GROUND LIMESTONE AT THE AT THE RATE OF 4 TO 8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL.
	THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
-	9/3/13
	PROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
	nanh m-lauger_ 10/2/13
	ector () Dat é /

NS FOR SOIL **AMENDMENTS** VEGETATIVE STABILIZATION. TIVE GROWTH. TABLISHED.

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.

CRITERIA

B-4-3 STANDARDS AND SPECIFICATIONS FOR

SEEDING and MULCHING

<u>DEFINITION</u>

THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETATIVE COVER.

A. SEEDING

SPECIFICATIONS 3. ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW, ALL SEED MUST BE SUBJECT TO RE-TESTING BY A RECOGNIZED SEED LABORATORY ALL SEED USED MUST HAVE BEEN TESTED WITHIN THE 6 MONTHS IMMEDIATELY PRECEDING THE DATE OF SOWING SUCH MATERIAL ON ANY PROJECT. REFER TO TABLE B.4 REGARDING THE QUALITY OF SEED. SEED TAGS MUST BE AVAILABLE UPON REQUEST TO THE INSPECTOR TO VERIFY TYPE OF SEED AND SEEDING RATE.

MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEEDING MIXTURE MUST BE APPLIED WHEN THE GROUND THAWS.

INOCULANTS: THE INOCULANT FOR TREATING LEGUME SEED IN THE SEED MIXTURES MUST BE A PURE CULTURE OF NITROGEN FIXING BACTERIA PREPARED SPECIFICALL FOR THE SPECIES. INOCULANTS MUST NOT BE USED LATER THAN THE DATE INDICATED ON THE CONTAINER. ADD FRESH INOCULANTS AS DIRECTED ON THE PACKAGE. USE FOUR TIMES THE RECOMMENDED RATE WHEN HYDROSEEDING. NOTE: IT IS VERY IMPORTANT TO KEEP INOCULANT AS COOL AS POSSIBLE UNTIL USED. TEMPERATURES ABOVE 75 TO 80 DEGREES FAHRENHEIT CAN WEAKEN BACTERIA AND MAKE THE INOCULANT LESS EFFECTIVE. SOD OR SEED MUST NOT BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SO STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS

ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS. APPLICATION

1. DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST INCORPORATE SEED INTO THE SUBSOIL AT THE RATES PRESCRIBED ON TEMPORARY SEEDING TABLE B.1, PERMANENT SEEDING TABLE B.3, OR SITE-SPECIFIC SEEDING SUMMARIES. APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION, ROLL THE SEEDED AREA WITH A WEIGHTED ROLLER TO PROVIDE GOOD SEED TO SOIL CONTACT.

D. DRILL OR CULTIPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL. CULTIPACKING SEEDERS ARE REQUIRED TO BURY THE SEED IN SUCH A FASHION AS TO PROVIDE AT LEAST 1/4 INCH OF SOIL COVERING. SEEDBED MUST BE FIRM AFTER PLANTING APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION.

HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER). IF FERTILIZER IS BEING APPLIED AT THE TIME OF SEEDING, THE APPLICATION RATES SHOULD NOT EXCEED THE FOLLOWING: NITROGEN, 100 POUNDS PER ACRE TOTAL OF SOLUBLE NITROGEN; P205 (PHOSPHOROUS), 200 POUNDS PER ACRE; - K2O (POTASSIUM). 200 POUNDS PER ACRE. ii. LIME: USE ONLY GROUND AGRICULTURAL LIMESTONE (UP TO 3 TONS PER ACRE MAY BE APPLIED BY HYDROSEEDING). NORMALLY, NOT MORE THAN 2 TONS ARE APPLIED BY HYDROSEEDING AT ANY ONE TIME. DO NOT USE BURNT OR HYDRATED LIME WHEN HYDROSEEDING iii. MIX SEED AND FERTILIZER ON SITE AND SEED IMMEDIATELY AND WITHOUT

iv. WHEN HYDROSEEDING DO NOT INCORPORATE SEED INTO THE SOIL.

B. MULCHING

INTERRUPTION.

MULCH MATERIALS (IN ORDER OF PREFERENCE)

STRAW CONSISTING OF THOROUGHLY THRESHED WHEAT, RYE, OAT, OR BARLEY AND REASONABLY BRIGHT IN COLOR. STRAW IS TO BE FREE OF NOXIOUS WEED SEEDS AS SPECIFIED IN THE MARYLAND SEED LAW AND NOT MUSTY, MOLDY, CAKED, DECAYED, OR EXCESSIVELY DUSTY, NOTE: USE ONLY STERILE STRAW MULCH IN AREAS WHERE ONE SPECIES OF GRASS IS DESIRED.

 b. WOOD CELLULOSE FIBER MULCH (WCFM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A UNIFORM FIBROUS PHYSICAL STATE. WCFM IS TO BE DYED GREEN OR CONTAIN A GREEN DYE IN THE PACKAGE THAT WILL PROVIDE AN APPROPRIATE COLOR TO FACILITATE VISUAL INSPECTION OF THE UNIFORMLY SPREAD SLURRY. WCFM, INCLUDING DYE, MUST CONTAIN NO GERMINATION OR GROWTH INHIBITING

iii. WCFM MATERIALS ARE TO BE MANUFACTURED AND PROCESSED IN SUCH A MANNER THAT THE WOOD CELLULOSE FIBER MULCH WILL REMAIN IN UNIFORM SUSPENSION IN WATER UNDER ACITATION AND WILL BLEND WITH SEED. fertilizer and other additives to form a homogénéous slurry. The MULCH MATERIAL MUST FORM A BLOTTER-LIKE GROUND COVER, ON APPLICATION, HAVING MOISTURE ABSORPTION AND PERCOLATION PROPERTIES AND MUST COVER AND HOLD GRASS SEED IN CONTACT WITH THE SOIL WITHOUT INHIBITING THE GROWTH OF THE GRASS SEEDLINGS.

WCFM MATERIAL MUST NOT CONTAIN ELEMENTS OR COMPOUNDS AT CONCENTRATION LEVELS THAT WILL BE PHYTO—TOXIC. . WCFM MUST CONFORM TO THE FOLLOWING PHYSICAL REQUIREMENTS: FIBER APPROXIMATELY 10 MILLIMETERS, DIAMETER APPROXIMATELY 1 MILLIMETER, PH RANGE OF 4.0 TO 8.5, ASH CONTENT OF 1.6 PERCENT MAXIMUM AND WATER

HOLDING CAPACITY OF 90 PERCENT MINIMUM.

o. APPLY MULCH TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING.
b. WHEN STRAW MULCH IS USED, SPREAD IT OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS PER ACRE TO A UNIFORM LOOSE DEPTH OF 1 TO 2 INCHES. APPLY MULCH TO ACHIEVE A UNIFORM DISTRIBUTION AND DEPTH SO THAT THE SOIL SURFACE IS NOT EXPOSED. WHEN USING A MULCH ANCHORING TOOL, INCREASE TI APPLICATION RATE TO 2.5 TONS PER ACRE. WOOD CELLULOSE FIBER USED AS MULCH MUST BE APPLIED AT A NET DRY WEIGHT

OF 1500 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER TO ATTAIN A MIXTURE WITH A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS WERE

PREPARED OR APPROVED BY ME, AND THAT

ENGINEER UNDER THE LAWS OF THE STATE

ENGINEER'S CERTIFICATE

I AM A DULY LICENSED PROFESSIONAL

OF MARYLAND, LICENSE NO. 12975,

EXPIRATION DATE: MAY 26, 2014.

D. PERFORM MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON THE SIZE OF THE AREA AND A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE A MINIMUM OF 2 INCHES.
THIS PRACTICE IS MOST EFFECTIVE ON LARGE AREAS, BUT IS LIMITED TO FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. IF USED ON SLOPING LAND,

HIS PRACTICE SHOULD FOLLOW THE CONTOUR WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. APPLY THE FIBER BINDER AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER AT A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER. I. SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRO-TACK), DCA-70, PETROSET, TERRA TAX II, TERRA MANUFACTURER. APPLICATION OF LIQUID BINDERS

NEEDS TO BE HEAVIER AT THE EDGES WHERE WIND CATCHES MULCH, SUCH AS IN VALLEYS AND ON CRESTS OF BANKS. USE OF ASPHALT BINDERS IS STRICTLY PROHIBITED. LIGHTWEIGHT PLASTIC NETTING MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4 TO 15 FEET WIDE AND 300 TO 3,000 FEET LONG

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B-4-4 STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION

B-4-5 STANDARDS AND SPECIFICATIONS

FOR PERMANENT STABILIZATION

DEFINITION

TO STABILIZE DISTURBED SOILS WITH PERMANENT VEGETATION.

TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER

on disturbed soils.

CONDITIONS WHERE PRACTICE APPLIES

EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE.

a. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED IN TABLE B.3 FOR THE

FOR SITES HAVING DISTURBED AREA OVER 5 ACRES, USE AND SHOW THE RATES

APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3) AND BASED ON THE SITE

CONDITION OR PURPOSE FOUND ON TABLE B.2. ENTER SELECTED MIXTURE(S), APPLICATION

RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO

REATMENT MAY BE FOUND IN USDA-NRCS TECHNICAL FIELD OFFICE GUIDE, SECTION 342

ADDITIONAL PLANTING SPECIFICATIONS FOR EXCEPTIONAL SITES SUCH AS SHORELINES, STREAM BANKS, OR DUNES OR FOR SPECIAL PURPOSES SUCH AS WILDLIFE OR AESTHETIC

J. FOR AREAS RECEIVING LOW MAINTENANCE, APPLY UREA FORM FERTILIZER (46-0-0) AT 3

IN ADDITION TO THE SOIL AMENDMENTS SHOWN IN THE PERMANENT SEEDING SUMMARY.

AREAS WHERE TURFGRASS MAY BE DESIRED INCLUDE LAWNS, PARKS, PLAYGROUNDS, AND COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE.

SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED BELOW BASED ON THE SITE

CONDITIONS OR PURPOSE. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED

KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN AREAS THAT RECEIVE

INTENSIVE MANAGEMENT, IRRIGATION REQUIRED IN THE AREAS OF CENTRAL MARYLAND

SEEDING RATE: 1.5 TO 2.0 POUNDS PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF

AND FASTERN SHORE, RECOMMENDED CERTIFIED KENTUCKY BLUFGRASS CULTIVARS

THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35

KENTUCKY BLUEGRASS/PERENNIAL RYE: FULL SUN MIXTURE: FOR USE IN FULL SUN AREAS WHERE RAPID ESTABLISHMENT IS NECESSARY AND WHEN TURF WILL RECEIVE

CULTIVARS/CERTIFIED KENTUCKY BLUEGRASS SEEDING RATE: 2 POUNDS MIXTURE PER

WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.

TALL FESCUE/KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN DROUGHT

1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS

PRONE AREAS AND/OR FOR AREAS RECEIVING LOW TO MEDIUM MANAGEMENT IN FULL

RECOMMENDED MIXTURE INCLUDES; CERTIFIED TALL FESCUE CULTIVARS 95 TO 100

PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 0 TO 5 PERCENT. SEEDING RATE: 5 TO 8 POUNDS PER 1000 SQUARE FEET. ONE OR MORE CULTIVARS MAY BE

KENTUCKY BLUEGRASS/FINE FESCUE: SHADE MIXTURE: FOR USE IN AREAS WITH SHADE IN BLUEGRASS LAWNS. FOR ESTABLISHMENT IN HIGH QUALITY, INTENSIVELY

CULTIVARS 30 TO 40 PERCENT AND CERTIFIED FINE FESCUE AND 60 TO 70 PERCENT.

CULTIVAR PURITY. THE CERTIFICATION PROGRAM OF THE MARYLAND DEPARTMENT OF

<u>WESTERN MD</u>: MARCH 15 TO JUNE 1, AUGUST 1 TO OCTOBER 1 (HARDINESS ZONES:

CÉNTRAL MD: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONE:

SOUTHERN MD. EASTERN SHORE: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15

TILL AREAS TO RECEIVE SEED BY DISKING OR OTHER APPROVED METHODS TO A DEPTH OF

2 TO 4 INCHES, LEVEL AND RAKE THE AREAS TO PREPARE A PROPER SEEDBED. REMOVE

IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR

PERMANENT SEEDING SUMMARY

* Other cultivars listed as "proven" in the most current UMD TT-77 may also be used

o. CLASS OF TURFGRASS SOD MUST BE MARYLAND STATE CERTIFIED. SOD LABELS MUST BE

b. SOD MUST BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH, PLUS OR MINUS

GROWTH AND THATCH. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE

SOD MUST NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT

LIGHTLY IRRIGATE THE SUBSOIL IMMEDIATELY PRIOR TO LAYING THE SOD. LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO IT AND TIGHTLY WEDGED AGAINST EACH OTHER. STAGGER LATERAL JOINTS

PREVENT VOIDS WHICH WOULD CAUSE AIR DRYING OF THE ROOTS.

TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. ENSURE THAT SOD IS NOT

STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO

WHEREVER POSSIBLE, LAY SOD WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERING JOINTS. ROLL AND TAMP, PEG OR OTHERWISE SECURE THE SOD TO PREVENT SLIPPAGE ON SLOPES. ENSURE SOLID CONTACT EXISTS BETWEEN SOD ROOTS AND THE UNDERLYING SOIL SURFACE.

WATER THE SOD IMMEDIATELY FOLLOWING ROLLING AND TAMPING UNTIL THE UNDERSIDE OF

IN THE ABSENCE OF ADEQUATE RAINFALL, WATER DAILY DURING THE FIRST WEEK OR AS

OFTEN AND SUFFICIENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATER SOD DURING THE HEAT OF THE DAY TO PREVENT WILTING.

AFTER THE FIRST WEEK, SOD WATERING IS REQUIRED AS NECESSARY TO MAINTAIN

DO NOT MOW UNTIL THE SOD IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF

THE NEW SOD-PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. COMPLETE THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD WITHIN

1/4 INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS MUST EXCLUDE TOP

STANDARD SIZE SECTIONS OF SOD MUST BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.

(EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL. SOD MUST BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS.

DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE OR IN AREAS HAVING DRY SUBSOIL,

D NOT TRANSPLANTED WITHIN THIS PERIOD MUST BE APPROVED BY AN AGRONOMIST OR

1000 s.f.

B. SOD: TO PROVIDE QUICK COVER ON DISTURBED AREAS (2:1 GRADE OR FLATTER).

MADE AVAILABLE TO THE JOB FOREMAN AND INSPECTOR.

SOIL SCIENTIST PRIOR TO ITS INSTALLATION.

STONES AND DEBRIS OVER 1 1/2 INCHES IN DIAMETER. THE RESULTING SEEDBED MUST BE

PLANT GROWTH 1/2 TO 1 INCH EVERY 3 TO 4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FIRMLY ESTABLISHED. THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE

LATE IN THE PLANTING SEASON, IN ABNORMALLY DRY OR HOT SEASONS, OR ON ADVERSE

DATES

FERTILIZER

RATE

DEPTHS

Aug. 15 to Oct. 15 1/2 IN. s.f. 1000 s.f.

6-8 lb/ Mar. 1 to May 15, | 1/4 - | 1.0 lb/ 1000 | 90 lb/

(10-20-20) LIME RATE

AGRICULTURE, TURF AND SEED SECTION, PROVIDES A RELIABLE MEANS OF CONSUMER

MANAGED TURF AREA. MIXTURE INCLUDES: CERTIFIED KENTUCKY BLUEGRASS

SELECT TURFGRASS VARIETIES FROM THOSE LISTED IN THE MOST CURRENT

UNIVERSITY OF MARYLAND PUBLICATION, AGRONOMY MEMO #77, "TURFGRASS

SEEDING RATE: 11/2 TO 3 POUNDS PER 1000 SQUARE FEET.

CULTIVAR RECOMMENDATIONS FOR MARYLAND

IDEAL TIMES OF SEEDING FOR TURF GRASS MIXTURES

PROTECTION AND ASSURES A PURE GENETIC LINE

MEDIUM TO INTENSIVE MANAGEMENT, CERTIFIED PERENNIAL RYEGRASS

1/2 POUNDS PER 1000 SQUARE FEET (150 POUNDS PER ACRE) AT THE TIME OF SEEDING

. SEED MIXTURES

GENERAL USE

TURFGRASS MIXTURES

NOTES:

(HARDINESS ZONES: 7A, 7B)

HARDINESS ZONE: 6b

*Certified Tall Fescue blend

(95% by weight): Falcon IV,

Penn 1901 & Rebel Exeda

Certified Kentucky Bluegrass

Courtyard, Raven & Yankee

blend (5% by weight):

ACCEPTABLE

2. SOD INSTALLATION

FIGHT HOURS.

ADEQUATE MOISTURE CONTENT.

SOD MAINTENANCE

SEED MIXTURE: #9 (Tall Fescue/ Kentucky Bluegrass)

BE PLACED ON THE PLAN.

- CRITICAL AREA PLANTING.

RECOMMENDED BY THE SOIL TESTING AGENCY.

TO STABILIZE DISTURBED SOILS WITH VEGETATION FOR UP TO 6 MONTHS.

DEFINITION

TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURBED SOILS. 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 PRACTICES ARE REQUIRED.

CRITERIA

SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3), AND ENTER THEM IN THE TEMPORARY SEEDING SUMMARY BELOW ALONG WITH APPLICATION RATES, SEEDING DATES AND SEEDING DEPTHS. IF THIS SUMMARY IS NOT PUT ON THE PLAN AND COMPLETED. THEN TABLE B.1 PLUS FERTILIZER AND LIME RATES MUST BE PUT ON THE PLAN. FOR SITES HAVING SOIL TESTS PERFORMED. USE AND SHOW THE RECOMMENDED RATES BY THE TESTING AGENCY SOIL TESTS ARE NOT REQUIRED FOR TEMPORARY SEEDING. 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.

TEMPORARY SEEDING SUMMARY

	HARDINESS : SEED MIXTUR				FERTILIZER RATE	LINE DAT
No.	SPECIES	APPLICATION RATE (lb/ac.)	SEEDING DATES	SEEDING DEPTHS	(10-10-10)	LIME RAT
1	ANNUAL RYEGRASS	40 lb/ac	Mar. 1 to May 15, Aug. 1 to Oct. 15	0.5 INCHES	436 lb./ac. (10 lb./	2 tons/a (90 lb./
2	PEARL MILLET	20 lb/ac	May 16 to July 31	0.5 INCHES	1,000 sf)	1,000 sf
		· · · · · · · · · · · · · · · · · · ·			•	

SEDIMENT CONTROL NOTES A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT. OF INSPECTION, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (410-313-1855).

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 RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A. 3 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1,
B. 7 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR PERMANENT SEEDING (Sec. B-4-5), TEMPORARY SEEDING (Sec. B-4-4) AND MULCHING (Sec. B-4-3). 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:		LOTS	LOTS		(- · ·	įLOT -
	<u>96-99</u>	<u>108–111</u>	<u>157-159</u>	<u>161–165</u>	<u>167–171</u>	<u>166</u>
TOTAL AREA OF SITE	: 0.74±AC.	0.41±AC.	0.29±AC.	2.68±AC.	0.92±AC.	0.63±A0
AREA DISTURBED	: 0.84±AC.	0.48±AC.	0.35±AC.	2.80±AC.	0.86±AC.	0.51±AC
AREA TO BE ROOFED OR PAVED	: 0.37±AC.	0.31±AC.	0.22±AC.	0.98±AC.	0.45±AC.	0.15±AC
AREA TO BE VEGETATIVELY STABILIZED	: 0.47±AC.	0.17±AC.	0.13±AC.	1.82±AC.	0.41±AC.	0.36±A0
TOTAL CUT	: 1,400±CY	720±CY	540±CY	1980±CY	900±CY	350±C1
TOTAL FILL	: 1,400±CY	720±CY	540±CY	1980±CY	900±CY	350±C
OFF-SITE WASTE/BORROW AREA LOCATION	: NONE	NONE	NONE	NONE	I _{NONE}	I NONE

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

TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO 3 PIPE LENGTHS OR THAT WHICH SHALL BE BACKFILLED AND STABILIZED BY THE END OF EACH WORK DAY, WHICHEVER IS SHORTER.

ANY CHANGES OR REVISIONS TO THE SEQUENCE OF CONSTRUCTION MUST BE REVIEWED AND APPROVED BY THE PLAN APPROVAL AUTHORITY PRIOR TO PROCEEDING WITH

A PROJECT IS TO BE SEQUENCED SO THAT THE 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 WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE ENFORCEMENT AUTHORITY. UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE APPROVAL AUTHORITY, NO MORE THAN 30 ACRES CUMULATIVELY MAY BE DISTURBED AT A GIVEN TIME.

STANDARDS AND SPECIFICATIONS FOR DUST CONTROL

OFFINITION CONTROLLING THE SUSPENSION OF DUST PARTICLES FROM CONSTRUCTION ACTIVITIES.

TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES TO REDUCE ON AND OFF-SITE DAMAGE INCLUDING HEALTH AND TRAFFIC HAZARDS.

CONDITIONS WHERE:PRACTICE APPLIES

AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT.

SPECIFICATIONS

MULCHES: SEE SECTION B-4-2 SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS, SECTION 8-4-3 SEEDING AND MULCHING, AND SECTION 8-4-4 TEMPORARY STABILIZATION. MULCH MUST BE ANCHORED TO PREVENT BLOWING. VEGETATIVE COVER: SEE SECTION B-4-4 TEMPORARY STABILIZATION.

TILLAGE: TILL TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE, BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT THAT MAY PRODUCE THE DESIRED IRRIGATION: SPRINKLE SITE WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED. THE SITE

MUST NOT BE IRRIGATED TO THE POINT THAT RUNOFF OCCURS. 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. CHEMICAL TREATMENT: USE OF CHEMICAL TREATMENT REQUIRES APPROVAL BY THE APPROPRIATE

BUILDER'S CERTIFICATE

SIGNATURE OF OWNER/BUILDER FOR LOT 166

"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR 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 MARYLAND 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

SIGNATURE OF DEVELOPER/BUILDER FOR LOTS 96 99, 108-111,

APP'R.

DETAIL B-1 STABILIZED CONSTRUCTION SCE S **ENTRANCE** -PIPE (SEE NOTE 6) PROFILE 50 FT MIN. PLAN VIEW CONSTRUCTION SPECIFICATIONS . PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.

PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAIMAGE, PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE, PROMDE PIPE AS SPECIFIED ON APPROVED PLAN, WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAIMAGE TO CONVEY, A PIPE IS NOT NECESSARY, A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEFING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE. MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

2011

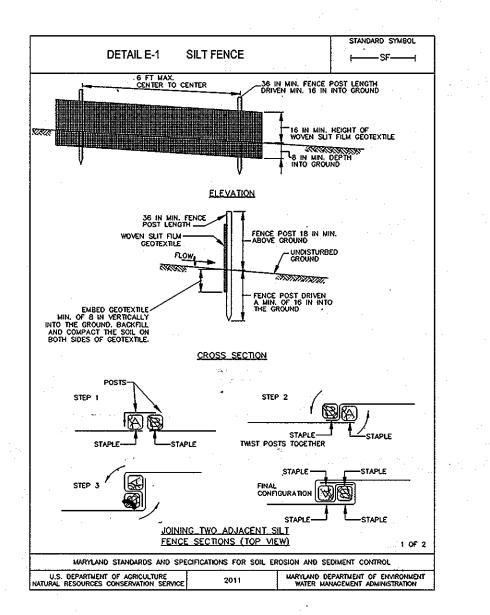
GROUND SURFACE---GALVANIZED CHAIN LINK FENCE WITH WOVEN SUIT FILM GEOTEXTILE ELEVATION CHAIN UNK FENCING-MOVEN SUIT FILM GEOTEXTILE. FLOW CROSS SECTION CONSTRUCTION SPECIFICATIONS INSTALL 2% INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOO LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND. FASTEN 9 GAUGE OR HEAVER CALVANIZED CHAIN LINK FENCE (2% INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS. FASTEN WOVEN SUT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION, EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINMUM OF 8 INCHES INTO THE GROUND. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT CEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN, IF UNDERWINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE. MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MARYLAND DEPARTMENT OF ENMRONMEN
WATER MANAGEMENT ADMINISTRATION 2011

DETAIL E-1 SILT FENCE

DETAIL E-3 SUPER SILT FENCE

├---\$\$**F---**

STANDARD SYMBOL



CONSTRUCTION SPECIFICATIONS USE WOOD POSTS 1% X 1% \pm % INCH (MINIMUM) SQUARE CUT OF SQUAD QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT. 2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APAR USE WOVEN SUT FILM GEOTEXTILE AS SPECIFIED IN SECTION H $^-1$ materials and fasten geotextile securely to upslope side of fence posts with wire ties or staples at top and mid-section. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION, PERFORMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALICHMENT TO PREVENT RUNOFF FROM COING AROUND THE ENDS OF THE SILT FENCE. . REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN, IF UNDERMINING OCCURS, REINSTALL FENCE. 2011 WARYLAND DEPARTMENT OF ENVIR WATER MANAGEMENT ADMINISTR

MUST BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. MAINTAIN A GRASS HEIGHT OF AT LEAST 3 INCHES UNLESS OTHERWISE SPECIFIED.	THIS PLAN IS FOR SEDIMENT CONTROL PURPOSES ONLY	ľ		
PREPARED FOR:	SEDIMENT CONTROL NOTES and DETAILS	SCALE	ZONING	G. L. W. FILE No.
PROPERTY OWNER (SELLER): BUILDER (CONTRACT PURCHASER): MAPLE LAWN FARMS 1, LLC MB MAPLE LAWN L.L.C.	MAPLE LAWN FARMS	NO SCALE	MXD-3	11082
1829 REISTERSTOWN ROAD, SUITE 300 1686 E. GUDE DRIVE BALTIMORE, MD 21208 ROCKVILLE, MARYLAND 20850 DIV. (701) 752 0511 :: 2101	MIDTOWN WEST DISTRICT - AREA 1 LOT Nos. 96-99, 108-111, 157-159 and 161-171	DATE	TAX MAP - GRID	SHEET
PH: 410–484–8400 PH: (301) 762–9511 x 2101 ATTN.: MARK BENNETT attn.: JOHN CORGAN	(SFD RESIDENTIAL USE) ECTION DISTRICT No. 5 PLAT Nos. 21994-22001 and 22398-22405 HOWARD COUNTY, MARYLAND	AUG/2013	41-15&21	7 OF 11

GLWGUTSCHICK LITTLE &WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND RLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS

A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF

REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

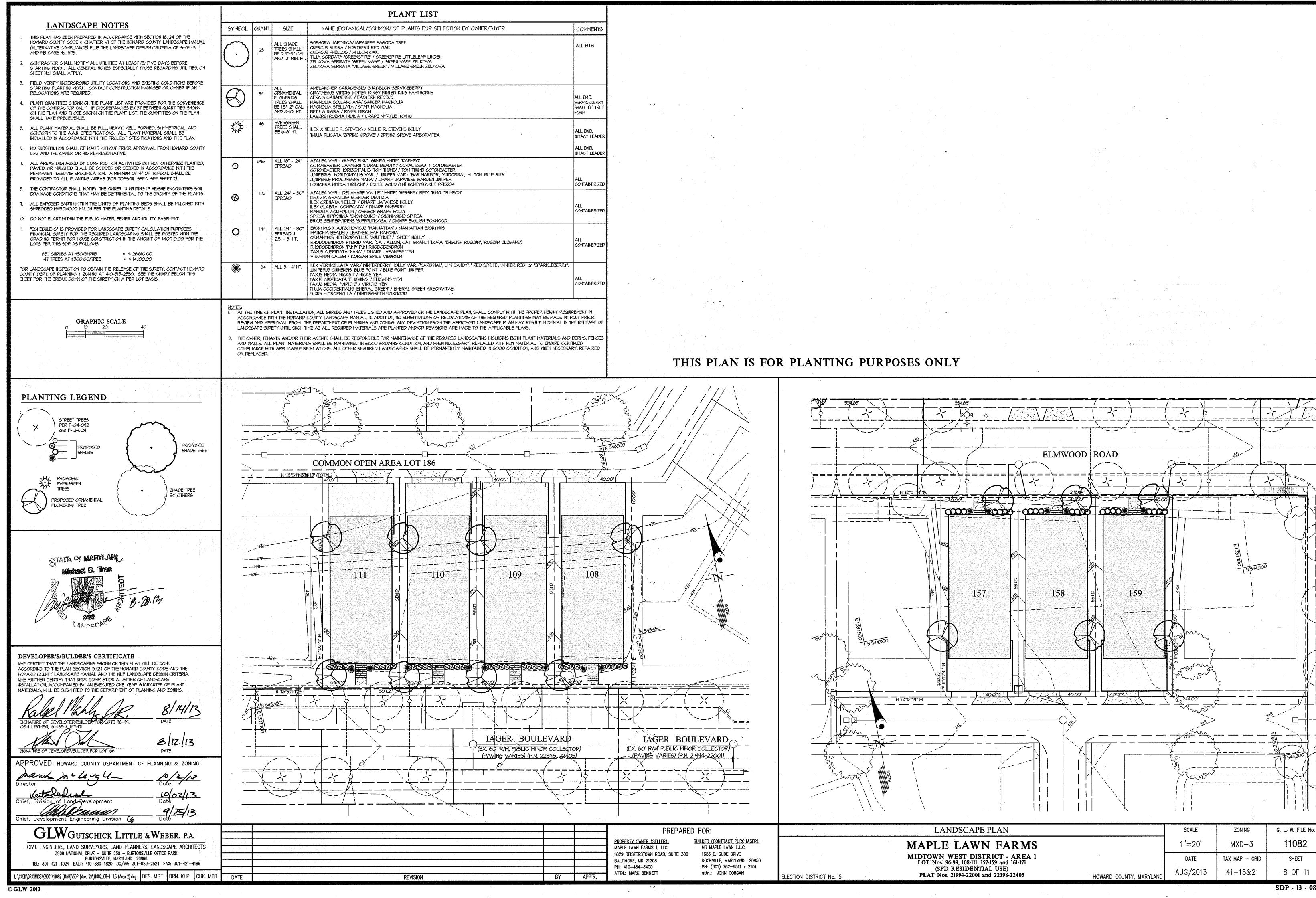
THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE

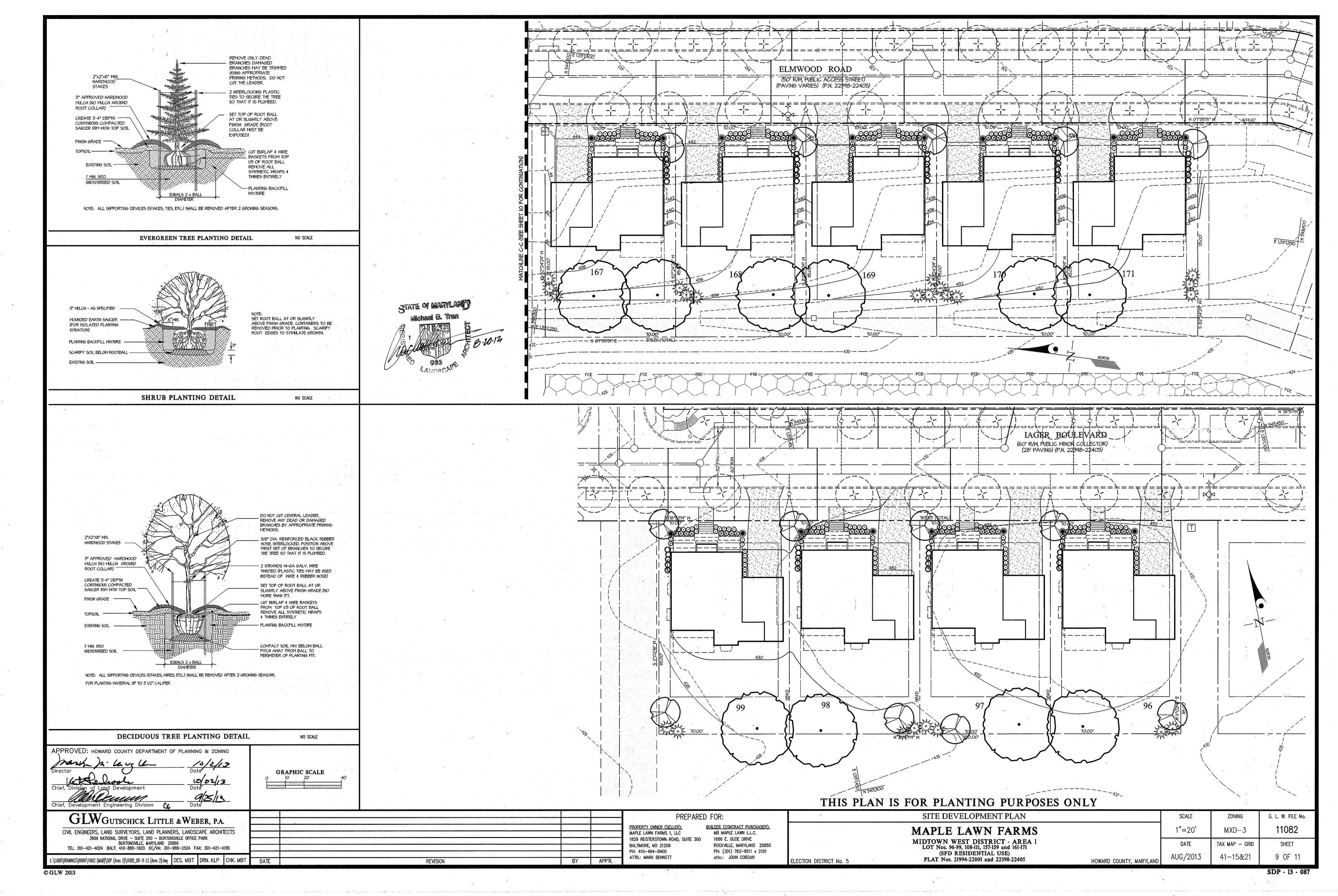
MINICHANIA

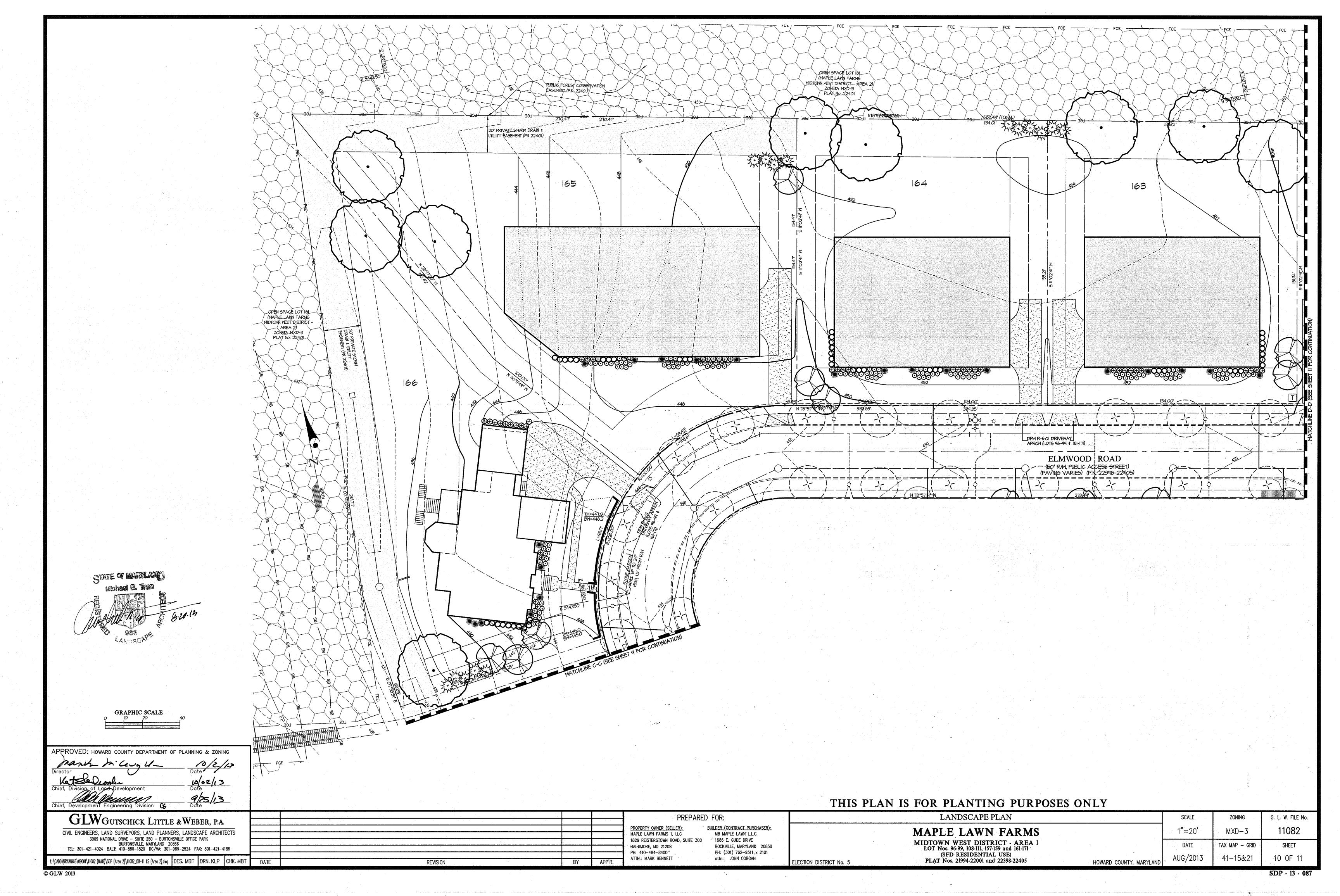
Chief, Development Engineering Division

:\CADD\DRAHMIGS\09001\11082 (M&B)\SDP (Area 2)\11082_07 SC DET (Area 2).dng | DES. MBT | DRN. KLP | CHK. MBT

SDP - 13 - 087







RES.	IDENTIAL LOT INTERNAL I	LANDSCAPING	REQUIRE	MENTS (SCHEDULE-C)	
REQUIRED FRONT YARD PLAN SHRUBS AT 1:4 OF LOT WIDTH LOT	AT BRL ESTATE LOTS: 4 SHADE TREES PER LOT PLUS REAR BLDG. LENGTHS* COTTAGE LOTS: 1 SHADE TREE PER LOT, NO SHOULD SHADE TREES PER LOT PLUS SHADE	SHRUBS AT 1:4 OF SIDE IRUBS REQUIRED ** IRUBS AT 1:4 OF SIDE	PLANTIN	66 PROVIDED COM	
PE NO. LOT WIDTH SHRUBS REQUIR	& REAR BLDG. LENGTHS). TREE SHRUBS	OTHERS (AS SUBSTITUTIONS)	THE MASSOR STATE OF THE STATE O
AS 96 70.0' 18 97 70.0' 18	60' (side)+60.66' (rear) 2 60' (side)+60.66' (rear) 2	30 30		2 EVERGREENS FOR 1 TREE, 2 ORNAMENTAL FOR IO SHRUBS 2 EVERGREENS FOR 1 TREE, 2 ORNAMENTAL FOR IO SHRUBS	PUBLIC FOREST CONSERVATION EASEMENT (P.N. 22401)
98 70.0' 18	60' (side)+60.66' (rear) 2	30	1 38	2 EVERGREENS FOR 1 TREE, 2 ORNAMENTAL FOR 10 SHRUBS 2 EVERGREENS FOR 1 TREE, 2 ORNAMENTAL FOR 10 SHRUBS	
99 70.0' 18 TTAGE 108 40.0' 10	60' (side)+60.66' (rear) 2 N/A 1		0 10	2 ORNAMENTALS FOR I TREE	N 108245858.26"W 688.49" (TOTAL)
109 40.01 10 10 10	N/A I		0 10 0 10	2 ORNAMENTALS FOR I TREE 2 ORNAMENTALS FOR I TREE	30 N R002458 58.26"W 303 (TOTAL) 303 (B88.44" (TOTAL)
	N/A I		0 10 0 10	2 ORNAMENTALS FOR I TREE 2 ORNAMENTALS FOR I TREE	
158 40.0' 10 159 40.0' 10	WA 1		0 10 0 10	2 ORNAMENTALS FOR I TREE 2 ORNAMENTALS FOR I TREE	
ATES 161 130.53' 33 36 37 38 38 39 39 39 39 39 39	65.4' (side)+l03.7' (rear)* 4 65.4' (side)+l03.7' (rear)* 4	42 42	2 62	4 EVERGREENS FOR 2 TREES, 2 ORNAMENTALS FOR 10 SHRUBS 4 EVERGREENS FOR 2 TREES, 2 ORNAMENTALS FOR 10 SHRUBS	
I63 I34.0' 33 I64 I34.0' 33	65.4' (side)+103.7' (rear)* 4 65.4' (side)+103.7' (rear)* 4	42 42	3 65 2 65	2 EVERGREENS FOR 1 TREE, 2 ORNAMENTALS FOR 10 SHRUBS 4 EVERGREENS FOR 2 TREES, 2 ORNAMENTALS FOR 10 SHRUBS	162 MIDTOWN
I65 91.92' 24 ATE I66 93.I7' 23	65.4' (side)+112.4' (rear) * 4 74.7' (side)+104' (rear) 4	777	2 63 2 48	4 EVERGREENS FOR 2 TREES, I ORNAMENTAL FOR 5 SHRUBS 5 EVGS. FOR 2 TREES & 5 SHRUBS, 3 ORNAMENTALS FOR IS SHRUBS	
LAS 167 70.0' 18 168 70.0' 18	60' (side)+60.66' (rear) 2 60' (side)+60.66' (rear) 2	30 30		3 EVERGREENS FOR I TREE & 5 SHRUBS, I ORNAMENTAL FOR 5 SHRUBS 3 EVERGREENS FOR I TREE & 5 SHRUBS, I ORNAMENTAL FOR 5 SHRUBS	
170 70.0' 18 171 70.0' 18	60' (side)+60.66' (rear) 2 60' (side)+60.66' (rear) 2	30 30	1 38	3 EVERGREENS FOR I TREE & 5 SHRUBS, I ORNAMENTAL FOR 5 SHRUBS 3 EVERGREENS FOR I TREE & 5 SHRUBS, I ORNAMENTAL FOR 5 SHRUBS	
STATE LOTS 161-164: THE LONGEST BLDG. LENG	THS ARE USED FOR THE CALCULATIONS, WHICH ARE:				The state of the s
THE WESTPORT II HOUSE TYPE SIDE LENGTH (6			•		450
STATE LOT 165: THE LONGEST BLDG. LENGTHS THE WELLINGTON HOUSE TYPE (WITH OPTIONAL	ARE USED FOR THE CALCULATIONS, MHICH ARE: SIDE SUNROOM) FOR THE REAR LENGTH (112.4') AND 5.4').				
THE MESTPORT II HOUSE TYPE SIDE LENGTH (6: COTTAGE LOTS: ON CORNER LOTS, PROVIDE I:4					
IENTS:		·			
XUBSTITUTION FOR DIFFERENT TYPE OF PLANT M	IATERIALS ARE AS FOLLOWS: EN TREES = 10 SHRUBS; 5 SHRUBS = 1 ORNAMENTAL OR EV	ERGREEN TREE			
	A DIFFERENT YARD WITHIN THE SAME LOT FOR SPATIAL I				
PLANT QUANTITIES FROM SCHEDULE-A ARE INCL	UDED AND ACCOUNTED WITH SCHEDULE-C PROPOSED PLA	ANT QUANTITIES TO SIMPLIFY SU	BSTITUTIONS.		
					8C / / / / / / / / / / / / / / / / / / /
					8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LANDSCAPE SURETY	DED LOT		•		
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	FER LOI				
PLANT QUANT					WOUND WOOD WAS A STANDARD OF THE STANDARD OF T
	TY				TO COLUMN TO COL
PLANT QUANTI BUILDER LOT No. SHADE TREE S	HRUBS SURETY AMOUNT				### D-D (3) 1 1 1 1 1 1 1 1 1
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2	TY HRUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00				M-01 H-01 H-01 H-01 H-01 H-01 H-01 H-01 H
BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2	TY HRUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00				N 18 51 19 W 339.85 / R=210.00 L=118.63
BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2	TY HRUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00				N 78 \$ 719 M 339.85 / R=210.00 L=118.63
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1	HRUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00				
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1	HRUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00				N 78 \$ 719 M 339.85 / R=210.00 L=118.63
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1	#RUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00				N 78 \$ 719 M 339.85 / R=210.00 L=118.63
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1	TY HRUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00				N 1865TIG W 339.85) R=210.00 L=118.63
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4	TY HRUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 15 \$3,450.00 15 \$3,450.00 15 \$3,450.00				N 78 \$ 719 M 339.85 / R=210.00 L=118.63
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4	HRUBS SURETY AMOUNT 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 15 \$3,450,00 15 \$3,450,00 15 \$3,450,00 68 \$3,240,00 68 \$3,240,00				N 1865TIG W 339.85) R=210.00 L=118.63
## PLANT QUANTI ### BUILDER LAWN 96	HRUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 15 \$3,450.00 15 \$3,450.00 15 \$3,450.00 68 \$3,240.00 68 \$3,240.00 48 \$2,040.00				N 1865TIG W 339.85) R=210.00 L=118.63
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 165 4 167 2 170 2 171 2	HRUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 15 \$3,450.00 15 \$3,450.00 15 \$3,450.00 68 \$3,240.00 68 \$3,240.00 48 \$2,040.00				N 1865TIG W 339.85) R=210.00 L=118.63
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PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 165 4 167 2 170 2 171 2	#RUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 15 \$3,450.00 15 \$3,450.00 15 \$3,450.00 68 \$3,240.00 68 \$3,240.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00				N 1865TIG W 339.85) R=210.00 L=118.63
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 165 4 167 2 170 2 171 2	#RUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 15 \$3,450.00 15 \$3,450.00 15 \$3,450.00 68 \$3,240.00 68 \$3,240.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00				N 1865TIG W 339.85) R=210.00 L=118.63
PLANT QUANTI BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 165 4 167 2 170 2 171 2	#RUBS SURETY AMOUNT 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 10 \$600.00 15 \$3,450.00 15 \$3,450.00 15 \$3,450.00 68 \$3,240.00 68 \$3,240.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00 48 \$2,040.00				N 1865TIG W 339.85) R=210.00 L=118.63
EUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 167 2 170 2 171 2	#RUBS SURETY AMOUNT 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 15 \$3,450,00 15 \$3,450,00 15 \$3,450,00 15 \$3,450,00 68 \$3,240,00 68 \$3,240,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00				N 1865TIG W 339.85) R=210.00 L=118.63
BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 167 2 170 2 171 2 171 2	#RUBS SURETY AMOUNT 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 15 \$3,450,00 15 \$3,450,00 15 \$3,450,00 15 \$3,450,00 68 \$3,240,00 68 \$3,240,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00				N 1865TIG W 339.85) R=210.00 L=118.63
EUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 167 2 170 2 171 2	#RUBS SURETY AMOUNT 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 15 \$3,450,00 15 \$3,450,00 15 \$3,450,00 15 \$3,450,00 68 \$3,240,00 68 \$3,240,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00				N 1865TIG W 339.85) R=210.00 L=118.63
BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 167 2 170 2 171 2 171 2	HRUES SURETY AMOUNT 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 11 \$600,00 12 \$3,360,00 13 \$3,450,00 15 \$3,450,00 15 \$3,450,00 68 \$3,240,00 68 \$3,240,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 887 \$40,7110,00				N 1865TIG W 339.85) R=210.00 L=118.63
BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 167 2 170 2 171 2 171 2	#RUBS SURETY AMOUNT 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 15 \$3,450,00 15 \$3,450,00 15 \$3,450,00 15 \$3,450,00 68 \$3,240,00 68 \$3,240,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00				N 1865TIG W 339.85) R=210.00 L=118.63
BUILDER LOT No. SHADE TREE S MAPLE LAWN 96 2 97 2 98 2 99 2 108 1 109 1 110 1 111 1 157 1 158 1 159 1 161 4 162 4 163 4 164 4 165 4 165 4 167 2 170 2 171 2 171 2	HRUES SURETY AMOUNT 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 11 \$600,00 12 \$3,360,00 13 \$3,450,00 15 \$3,450,00 15 \$3,450,00 68 \$3,240,00 68 \$3,240,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 887 \$40,7110,00				N 1865TIG W 339.85) R=210.00 L=118.63
PLANT GUANTI BUILDER LOT No. SHADE TREE S 1APLE LAWN	HRUES SURETY AMOUNT 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 10 \$600,00 11 \$600,00 12 \$3,360,00 13 \$3,450,00 15 \$3,450,00 15 \$3,450,00 68 \$3,240,00 68 \$3,240,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 48 \$2,040,00 887 \$40,7110,00				N 1865TIG W 339.85) R=210.00 L=118.63

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Director

Date

Chief, Division of Land Development

Chief, Development Engineering Division (4)

Date

Date

Date

GRAPHIC SCALE
O 10 20 40

GLWGUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866

TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

L:\CADD\DRAWNGS\09001\11082 (M&B)\SDP (Area 2)\11082_08-11 LS (Area 2).dwg DES. MBT DRN. KLP CHK. MBT

REVISION

ELECTION DISTRICT No. 5

attn.: JOHN CORGAN

ATTN.: MARK BENNETT

LANDSCAPE PLAN

MAPLE LAWN FARMS

MIDTOWN WEST DISTRICT - AREA 1
LOT Nos. 96-99, 108-111, 157-159 and 161-171
(SFD RESIDENTIAL USE)
PLAT Nos. 21994-22001 and 22398-22405

THIS PLAN IS FOR PLANTING PURPOSES ONLY

OPEN SPACE LOT 88
(MAPLE LAWN FARMS
MIDTOWN WEST DISTRICT - AREA 1)
ZCFD: MXD-3
PLAS NO. 21997

SCALE ZONING G. L. W. FILE No.

1"=20' MXD-3 11082

DATE TAX MAP - GRID SHEET

AUG/2013 41-15&21 11 OF 11

(MAPLE LAWN FARMS MIDTOWN WEST DISTRICT -AREA I) ZONED: MXD-3 PLAT No. 21994-22001 (SDP-12-051)