- 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 1-800-257-7777 AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION WORK.
- LOCATION: SEE VICINITY MAP IN THE TOP RIGHT CORNER OF THIS SHEET

ELECTION DISTRICT: 5

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. 406-408, 433-434, 459-462, 475-477 & 497-508) FOR THIS SITE DEVELOPMENT PLAN: 2.43± ACRES. FOR OTHER SUBMISSIONS RELATED TO THIS SITE, SEE HOWARD COUNTY DEPT. OF PLANNING & ZONING FILE NOS.: 5-01-17, ZB-995M, PB-353, WP-01-111, WP-03-02, P-03-01, F-03-90, P-04-01, P-05-02, F-04-92, F-05-81, F-05-82, F-05-12/113, S-06-16, F-05-139, F-06-43, P-07-02, F-08-171, F-06-161, ZB-1039M, PB-378, F-08-72, P-10-003, F-10-002, F-10-46, F-10-061, F-11-27, SDP-12-004

- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MITC). 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. COORDINATES ARE BASED ON NAD83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NUMBERS 4IEA \$ 46B2
- STORMWATER MANAGEMENT, FOR BOTH QUALITY AND QUANTITY, FOR THE DEVELOPMENT PROPOSED BY THESE PLANS (WHICH IS PART OF A PHASED PROJECT) WILL BE SATISFIED BY TWO EXISTING REGIONAL FACILITIES CONSTRUCTED UNDER F-05-81 AND F-06-161. THE EXISTING FACILITIES ON OPEN SPACE LOT 60 AND OPEN SPACE LOT 215 WILL BE PUBLICLY OWNED AND MAINTAINED. THE RECHARGE REQUIREMENTS FOR THIS DEVELOPMENT WILL BE PROVIDED IN A PRIVATELY OWNED AND MAINTAINED FACILITY ON OPEN SPACE LOT 214. THE EXISTING RECHARGE FACILITY IS AN INFILTRATION TRENCH WHICH WAS CONSTRUCTED UNDER F-06-161.
- 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
- ANY DAMAGE TO THE ADJACENT COUNTY OWNED RIGHT-OF-WAY AND PROPERTY SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- 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, IOO-YR FLOODPLAIN AND STREAMS.
- THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16,1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION THE FOREST CONSERVATION OBLIGATIONS WERE ADDRESSED UNDER F-08-072.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING (AS SHOWN ON SHEETS 6 & 7 TO SATISFY S-01-17 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 SHEETS 6 & 7 AND THE GRADING PERMIT CHART ON SHEET I
- 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 (1-1/2"MIN.)
- C. GEOMETRY MAX, 14% GRADE, MAX, 10% GRADE CHANGE AND MIN, 45' TURNING RADIUS. 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
- 20. AS A CONSEQUENCE OF THE SKETCH PLAN, S-01-17 APPROVAL PRIOR TO 11-15-01, 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.
- 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.
- 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 S-01-17, S-06-16, PB-353, PB 378 AND ZB-995M.
- 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 (5-01-17) AND PB CASE NO. 378 AND 5-06-16.
- 26. WP-06-92 WAIVER REQUEST FROM SECTION 16.132(a)(2)(1i) WHICH REQUIRES CONSTRUCTION OF ROAD IMPROVEMENTS FOR THE ENTIRE LENGTH AND THE FULL DESIGNATED PAVEMENT OF OLD COLUMBIA ROAD WHERE A DEVELOPER OWNS LAND ON BOTH SIDES OF A LOCAL OR MINOR COLLECTOR ROAD FOR A MAJOR SUBDIVISION, FROM SECTION 16.134(a)(1) - WHICH REQUIRES THE CONSTRUCTION OF SIDEWALKS ALONG THE PROJECT FRONTAGE ON AN EXISTING PUBLIC ROAD, OLD COLUMBIA ROAD IN A MAJOR SUBDIVISION, AND FROM SECTION 16.136 \$ 16.124(e) - WHICH REQUIRES THE INSTALLATION OF STREET TREES IN ACCORDANCE WITH THE LANDSCAPE MANUAL ALONG BOTH SIDES OF AN EXISTING PUBLIC ROAD, OLD COLUMBIA ROAD WHERE ROAD IMPROVEMENTS ARE REQUIRED, WAS APPROVED ON APRIL 19, 2006. SUBJECT TO THE FOLLOWING CONDITIONS:
 - A. COMPLIANCE WITH THE SRC AGENCIES COMMENTS FOR FINAL PLAN, F-06-161. 3. THE PROPOSED ROAD IMPROVEMENTS (RESURFACING AND RE-STRIPING) AND STREET TREES OF
- THE WEST SIDE OF OLD COLUMBIA ROAD SHALL BE PROVIDED AS SHOWN ON F-06-161. WP-01-III - ON MAY 2, 2001, WP-01-III WAS GRANTED FOR THE FOLLOWING:
- . ADDITIONAL POINTS OF ACCESS ALLOWED ONTO SANNER ROAD OTHER THAN THOSE PERMITTED BY 16.119(FXI), SUBJECT TO FURTHER ANALYSIS AND APPROVALS AT
- RESIDENTIAL LOTS ARE ALLOWED TO FRONT ON NEIGHBORHOOD PARKS INSTEAD BEING LIMITED FRONTAGE ON PUBLIC RAYS AS IN 16.120(C)(2), SUBJECT TO
- ADEQUATE PRIVATE ALLEY ACCESS. 28. THE ALLEY IS 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
- 29. BECAUSE THERE MAY BE MODIFICATIONS TO LANDSCAPING A CERTIFIED LANDSCAPE PLAN APPROVED BY MAPLE LAWN FARMS SHALL BE FORWARDED TO THE COUNTY FOR APPROVAL PRIOR TO LANDSCAPE INSPECTION. PLANT SUBSTITUTIONS CANNOT INCLUDE SPECIES PROHIBITED BY THE HOWARD COUNTY LANDSCAPE MANUAL AND ADOPTED

LOT DEVELOPMENT DATA

- . GENERAL SITE ANALYSIS DATA
- A. PRESENT ZONING: MXD-3 PER ZB-945M
 B. PROPOSED USE OF SITE: 24 SFD RESIDENTIAL DWELLINGS
- PUBLIC WATER & SEMER TO BE UTILIZED (CONTR. Nos. 24-4328-D, 24-4430-D, 24-4685-D & 24-4686-D) D. PARKING REQUIRED PER Sec. 133.D.2.a.: 2 SPACES/UNIT x 24 = 48 SPACES
- PARKING PROVIDED: 48 GARAGE SPACES (ALL LOTS HAVE AT LEAST A 2-CAR GARAGE, SEE NOTE 21 ABOVE REGARDING PARKING). E. RECREATION OPEN SPACE FOR THIS SOP IS ADDRESSED UNDER F-06-161 (SEE OVERALL OPEN SPACE PROVISION CHART ON THIS SHEET).
- A. AREA OF BUILDABLE LOTS FOR THIS SUBMISSION: 105,837 SF OR 2.431 AC.
- B. AREA OF THIS PLAN SUBMISSION: 2.9± ACRES (L.O.D.)

3.	LOT DESIGNATION	:			
	LOT TYPE	LOT NUMBERS	MINIMUM LOT SIZE	MIN. LOT WIDTH AT FRONT BRL	MAX. BUILDING HT.
	COTTAGE	406-408, 433-434,	2500 SQUARE FEET	32 FEET	38 FEET (MEAN HT.

COTTAGE LOT TYPE IS SFD

4. STRUCTURE SETBACKS PER S-06-16 AND PLAT No. 18744

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

 	7.10.13 . 2.11 5 66 16			
LOT TYPE	FRONT SETBACK	SIDE SETBACK	MINIMUM REAR SETBACKS	
COTTAGE	IO' MIN.	4' MIN.*	20' TO PRINCIPAL STRUCTURE. 3' FOR REAR (DETACH/ATTACH) GARAGE OR TO ACCESSORY STRUCTURE	:5.

- A ZERO LOT LINE DWELLING UNIT MAY BE LOCATED ON ANY PROPERTY LINE WHICH IS NOT A STREET RIGHT-OF-WAY PROVIDED THAT (I) 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.W.) 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 PROPERTY LINE OR RIGHT-OF-WAY FOR TOWNHOUSES, COTTAGES AND . MANORS. PORCHES MAY ENCROACH INTO THE SIDE YARD OF CORNER LOTS TO WITHIN 2' FROM RIGHT-OF-WAY FOR COTTAGES AND MANORS. WHERE
 - 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, NOT GREATER THAN 48" IN HEIGHT ALONG THE FRONT PROPERTY LINE AND NOT GREATER THAN 72" IN HEIGHT ALONG THE SIDE AND REAR

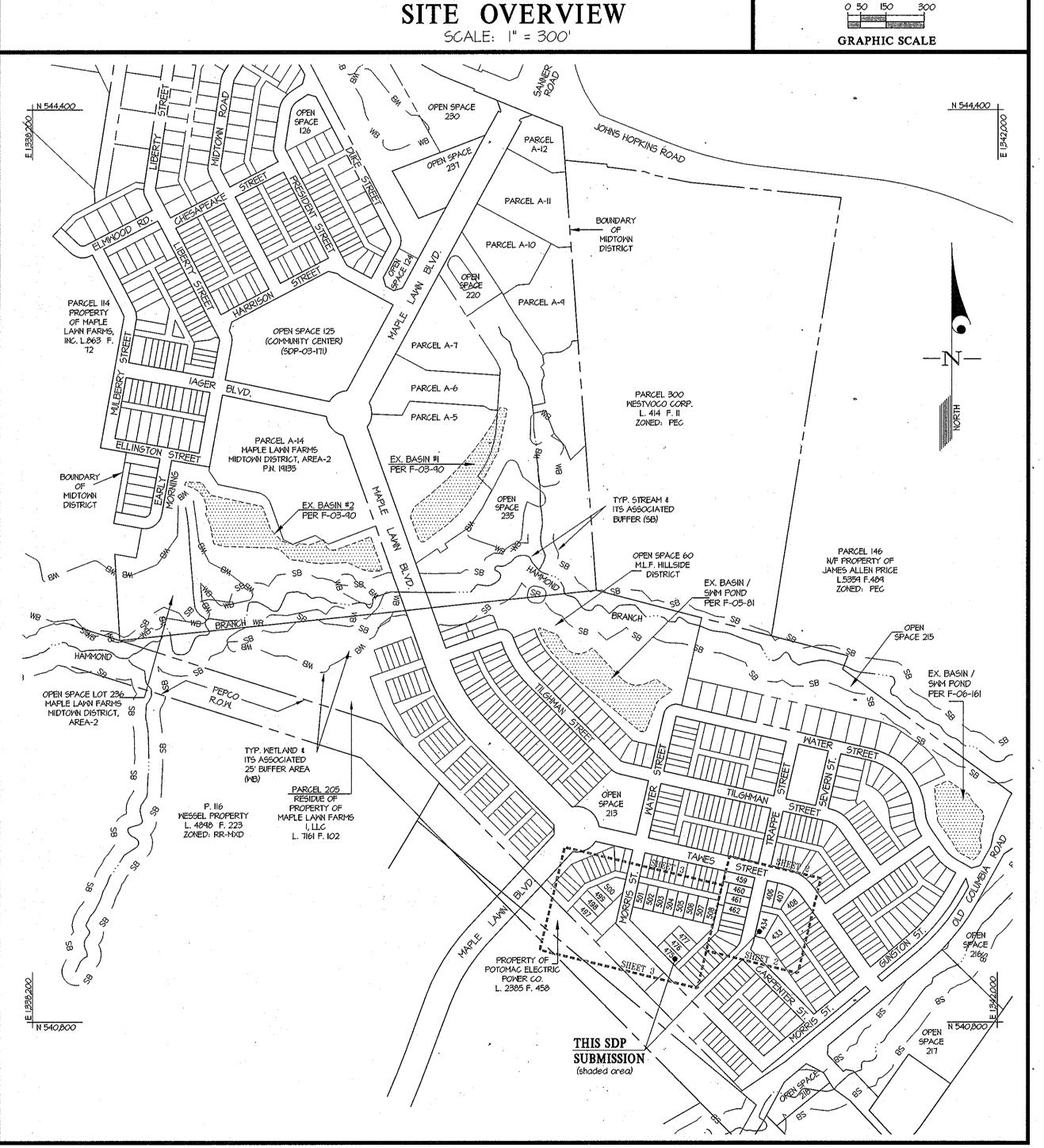
A SIDE YARD ABUTS AN OPEN SPACE OR PASSAGE, PORCHES MAY ENCROACH TO WITHIN I' FROM SIDE PROPERTY LINE FOR COTTAGES AND MANORS.

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE PLANS 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. 12975. EXPIRATION DATE: MAY 26, 2012



MAPLE LAWN FARMS SITE DEVELOPMENT PLAN

HILLSIDE-DISTRICT -- AREA 5 LOTS 406-408, 433-434, 459-462, 475-477 and 497-508 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

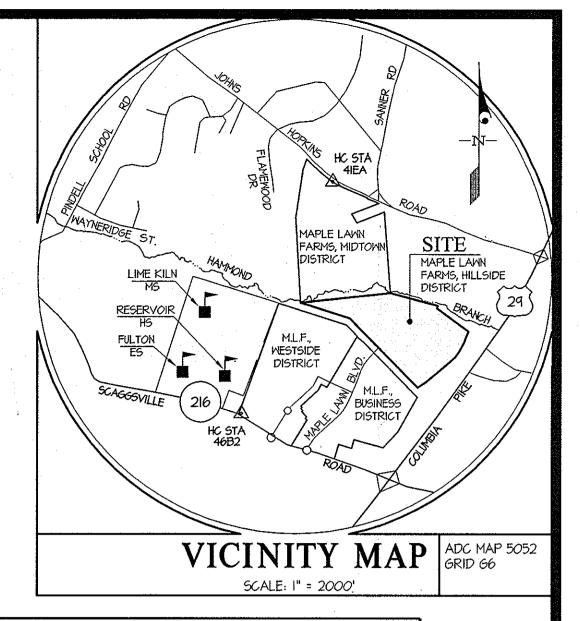


HOWARD COUNTY CONTROL

NAD83 HORIZONTAL DATA NVD88 VERTICAL DATA

4IEA N 544825.809 E 1339217.444 ELV.=407.053

46B2 N 539987.7277 E 1337218.484 ELV.=474.671



OVERALL OPEN SPACE PROVISION FOR MAPLE LAWN FARMS								
PHASE NUMBER (AND NAME) APPROV DPZ FILE		PHASE AREA GROSS ACREAGE	REQUIRED OPEN SPACE (35% OF GROSS AC.)	OPEN SPACE PROVIDED IN AC. (%) *	REQUIRED ACTIVE OPEN SPACE IN AC.**	ACTIVE RECREATION O.S. PROVIDED IN AC. (%) ***		
I (BUSINESS DISTRICT, AREA-I)	.F-03-07	51.98	18.19	21.15 (40.7)	1.82			
2 (MIDTOWN DISTRICT, AREA-I)	F-03-90	37.43	13.10 -	15.75 (42.1)	1.31	7.52 (47.7) ①		
3 (MIDTOWN DISTRICT, AREA-2)	F-04-92	58.80	20.58	22.85 (38.9)	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		
46 (MIDTOWN DISTRICT, AREA-3)	F-05-139	3.12	1.09	1.23 (39.4)	0.00			
4c (BUSINESS DISTRICT, AREA-2/ HILLSIDE DISTRICT, AREA-2)	F-05-II2/II3	3.00	I <i>.0</i> 5	0.00	0.10			
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 (55.4)	1.16	1.61 (8.7)		
6a (HILLSIDE DISTRICT, AREA-4)	F-08-072	15.05	5.27	5.50 (36.5)	0.53			
WA .	F-07-183	3.05	1.07	0.00	0.01	· · .		
6b (WESTSIDE DISTRICT)	F-08-54/F-08-55	90.60	31.71	26.65 (29.4)	3.17	4.76 (17.9) ③·		
7 (HILLSIDE DISTRICT, AREA-5)	F-10-61	16.60	5.81	0.94	.581			
TOTAL	328.36	114.92	119.27 (36.3)	11.28	14.18 (12.0)			
*	THE PERCENTAGE O	F OPEN SPACE PR	OVIDED IS: BASED	ON THE GROSS SIT	E 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). 1.52 AC. = COMMUNITY CENTER (O.S. 125 - 5.01 AC.), O.S. 126 (O.55 AC.) AND O.S. 230 (1.96 AC.)
- ② 0.29 AC. = PATHWAYS
- (3) 4.76 AC. = OS LOT 4 (4.76 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.

LOT GROUPS	DISTURBED AREA	LANDSCAPE SURETY AMOUNT	LANDSCAPE INSPECTION FEES PAI
406-408 \$ 433-434	0.70± AC	\$ 5,190.00	\$ 100.00
459-462	0.44± AC	\$ 2,970.00	\$ 100.00
475-477	0.39± AC	\$ 3,330.00 °	\$ 100.00
497-500	0.51± AC	\$ 4,650.00	\$ 100.00
50I-508	0.86± AC	\$ 7,980.00	\$ 100.00

WITHIN I YEAR OF SIGNATURE APPROVAL OF THIS SDP BY THE DIRECTOR OF DPZ, THE BUILDER SHALL APPLY TO THE DEPARTMENT 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 2 YEARS OF ITS APPROVAL.

SHEET INDEX SITE DEVELOPMENT PLAN / SITE DETAILS SITE DEVELOPMENT PLAN / SITE DETAILS SEDIMENT CONTROL PLAN SEDIMENT CONTROL NOTES & DETAILS LANDSCAPE PLAN / LANDSCAPE NOTES & DETAILS LANDSCAPE PLAN / LANDSCAPE NOTES & DETAILS

			21BBRESS	~XXXXX					
LOT No.	STREET ADD	RESS		LOT No.	STRE	ET ADDRES	55		
406	8952 TAME	S STREET		497	7516	MORRIS S	TREET		
407	8954			498	7514				
408	8966	•		499	7512				
				500	7510				
433	7520 CARF	ENTER STR	EET			•			
434	7522 CARF	501	7511	MORRIS S	TREET		· · · · · · · · · · · · · · · · · · ·		
				502	7513				
459	7343 TR	APPE ST	EET	503	7515				
460	7339 TRAP	PE STREET	·	504	7517				
461	7335			505	7519				
462	7331	<u> † </u>		506	7521				
		•		507	7523	;			
475	7535 MORE	RIS STREET		508	7525	. •			
476	7537		'						
477	7539	<u>† </u>							
NATER CODE:			SEWER	CODE	Ē:				
E2I				76950	000	;:			
DEVELO	DISTRIC	T/ARE	A LC	ors	CENS	US TRAC			
MAPLE L	HILLSIDE	/AREA-!	5 433-4 475-4	08, 34, 459-4 11, 491-50	62 28	6051.02			
PLA	Т	ZONE	TAX MAP 6	RID	ELEC	S. DIST.	1		
					r				

ADDRESS CHART

thief, Development Engineering Division 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 \CADD\DRANHUS\D4001\06013\39P-\$70\HLL90K-Areo \$\\$9P-12-026\06013-C\$ (Areas).dng DES. mbt DRN. klp CHK. mbt DATE

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

MILLER and SMITH at MAPLE LAWN LLC. 8401 GREENSBORO DRIVE, SUITE 450 MCLEAN, VIRGINIA 22102 PH: 703-821-2500 attn.: COLLEEN McCALL

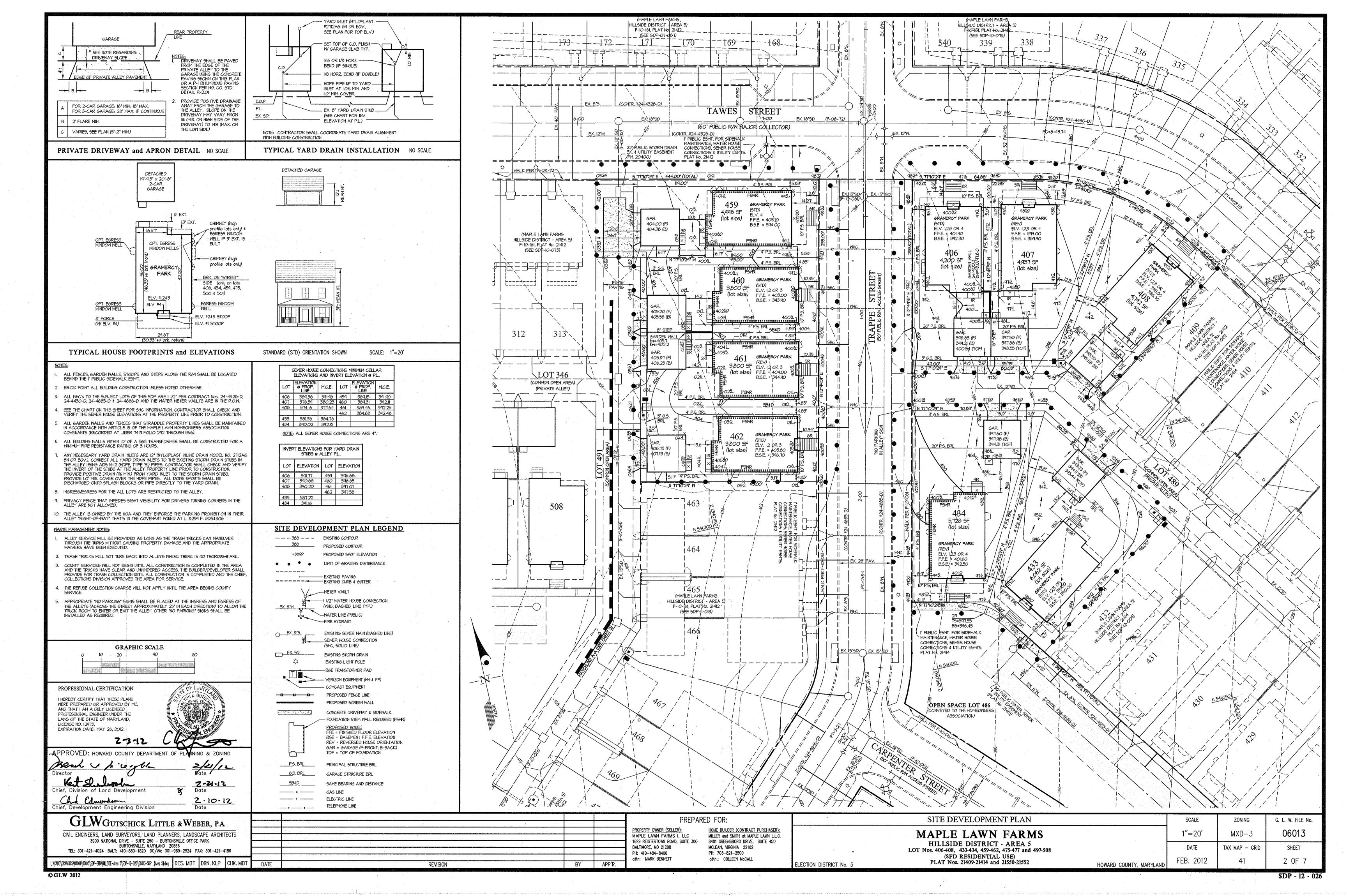
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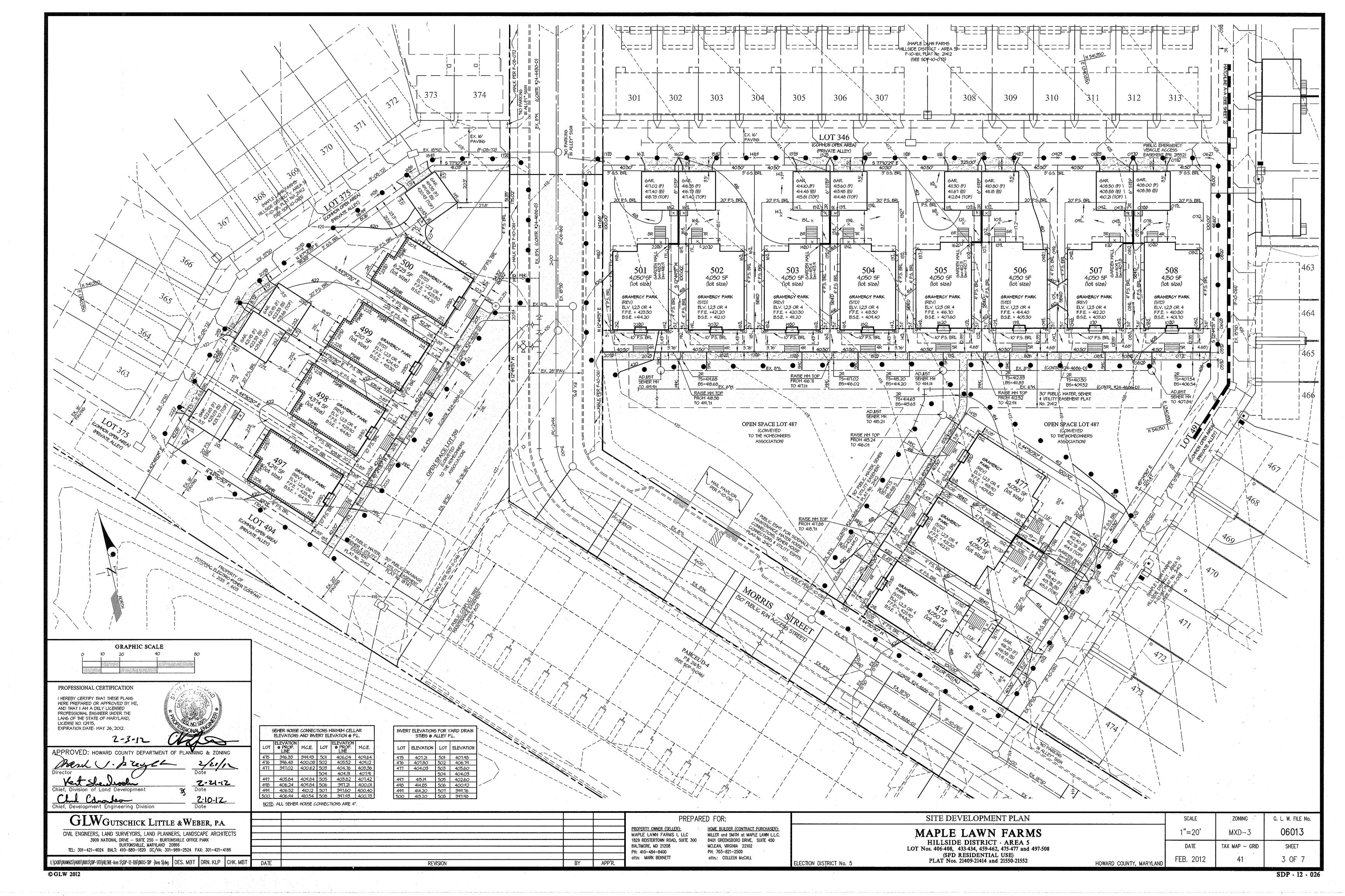
ELECTION DISTRICT No. 5

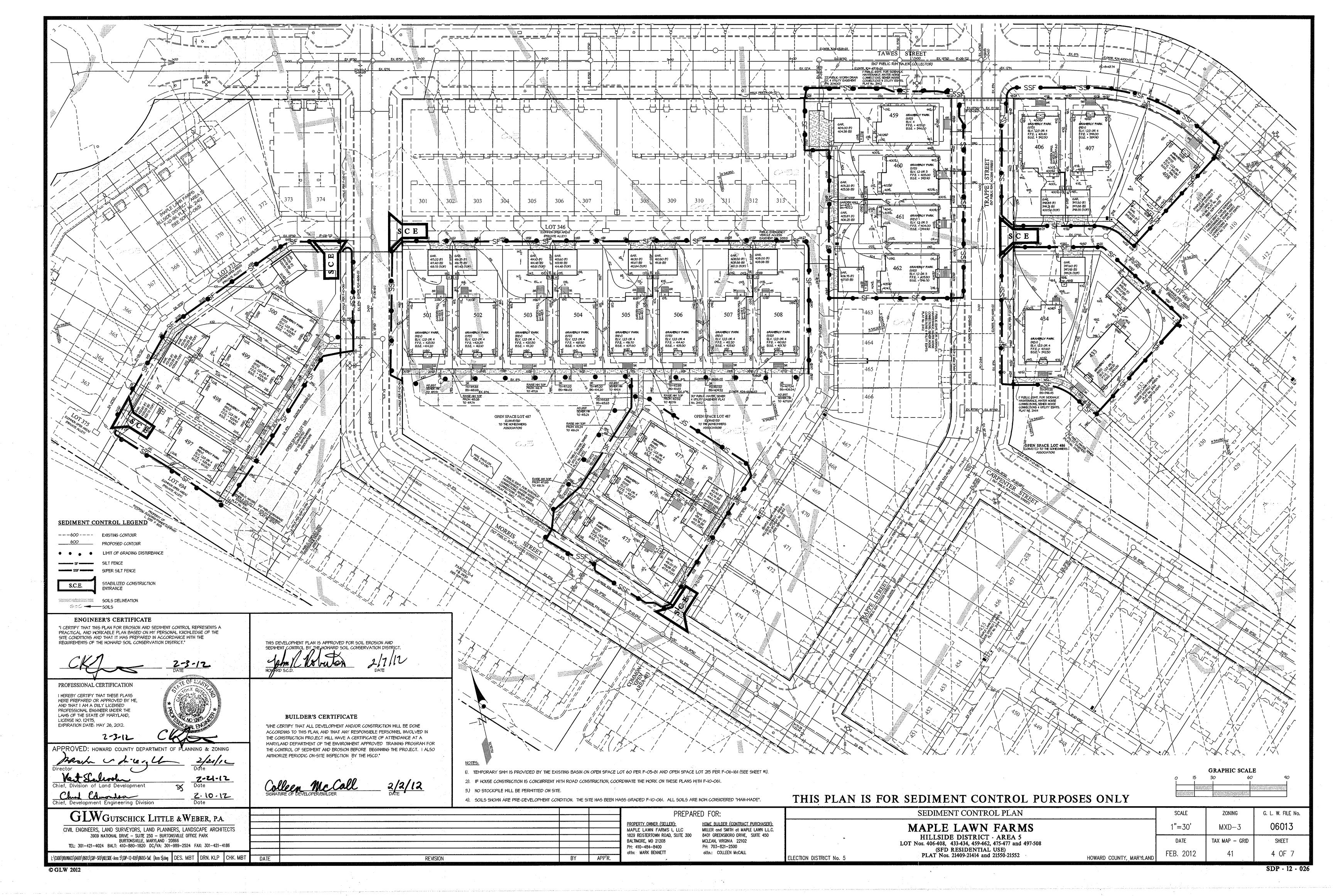
MAPLE LAWN FARMS HILLSIDE DISTRICT - AREA 5 LOT Nos. 406-408, 433-434, 459-462, 475-477 and 497-508 (SFD RESIDENTIAL USE) PLAT Nos. 21409-21414 and 21550-21552

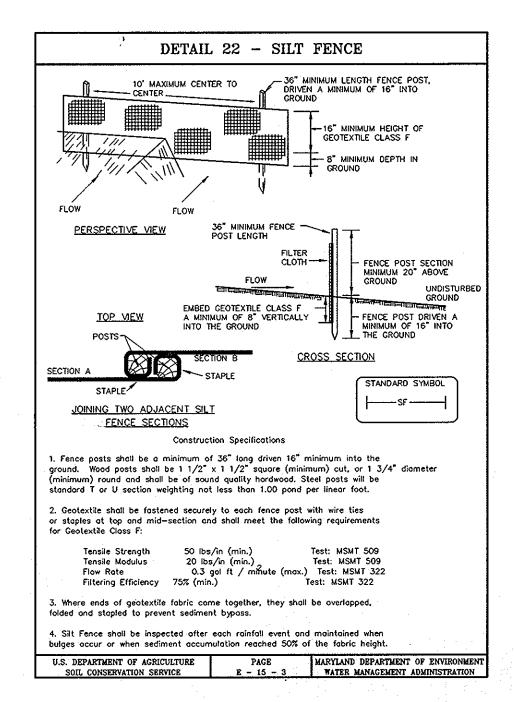
COVER SHEET

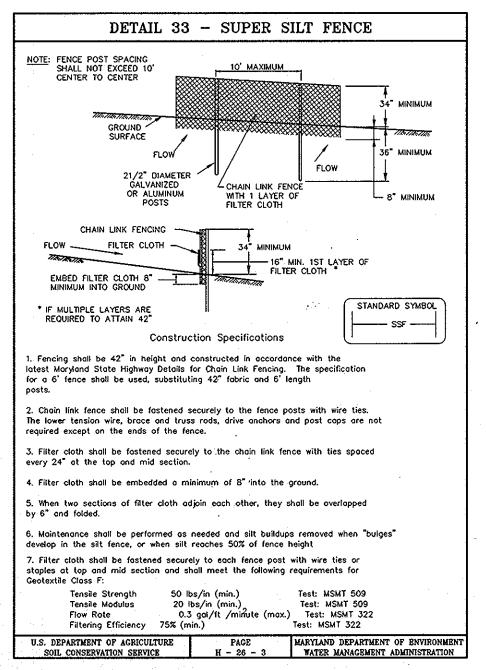
4| 15,16, 21 \$ 22 G. L. W. FILE No. AS SHOWN HOWARD COUNTY, MARYLAND

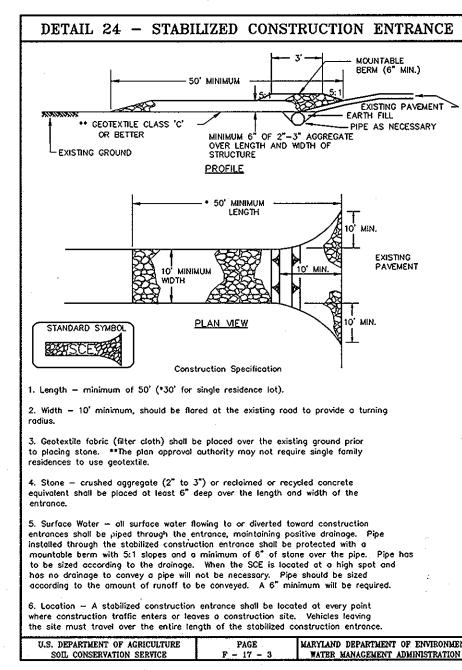












STANDARD AND SPECIFICATIONS FOR TOPSOIL

<u>DEFINITION</u>

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

<u>PURPOSE</u>

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 <u>APPLIES</u>

I. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPE 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 SUPPLIED OF MOISTURE AND PLANT NUTRIENTS.

C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT

D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE 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

I. 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 RESPECTIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.

II. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:

A. TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND, OTHER SOILS MAY BE USED IF RECOMMENDED BY A AGRONOMIST OR 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 THAN I 1/2" IN DIAMETER.

B. TOPSOIL MUST BE FREE OF PLANT PARTS SUCH AS BERMUDA GRASS. QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

C. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE IF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES: A. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION

METHODS AND MATERIALS (OR SEE SEEDING NOTES). IV. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:

A. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER & LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:

> I. 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.

2. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT 3. TOPSOIL HAVING SOLUBLE SALT GREATER THAN 500 PARTS PER MILL SHALL NOT BE USED.

4. NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHOTO-TOXIC MATERIALS.

NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE

B. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED . IN 2.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS (OR SEE SEEDING NOTES). V. TOPSOIL APPLICATION

A. WHEN TOPSOILLING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSION, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS. B. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4"-8" HIGHER IN ELEVATION.

C. 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 PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILLING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER D. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND

VI. ALTERNATIVE FOR PERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL FERTILIZER, COMPOSTED SLUDGE AND

SEEDBED PREPARATION.

AMENDMENTS MAY BE APPLIED AS SPECIFIED BELOW: A. 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: I. COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS THAT ARE PERMITTED (AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06.

COMPOSTED SLUDGE SHALL CONTAIN AT LEAST I PERCENT NITROGEN, 1.5 PERCENT PHOSPHORUS, AND O.2 PERCENT POTASSIUM AND HAVE A PH OF T.O. TO 8.0. IF COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS

3. COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF I TONILOOD

B. COMPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILIZER APPLIED AT A RATE OF 4LB/1,000 SQUARE FEET, AND 1/3 THE NORMAL LIME APPLICATION RATE.

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

BUILDER'S CERTIFICATE

"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 THE HSCD."

SEDIMENT CONTROL NOTES

I. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (410) 313-1855

2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 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 AND PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT

4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I. CHAPTER 12, OF THE 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 SEEDINGS, SOD, TEMPORARY SEEDINGS AND MULCHING (SEC. G). TEMPORARY STABILIZATION, WITH MULCH ALONE, CAN ONLY 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.

1		<u>LOTS</u> 406-408 4433-434	<u>LOTS</u> 459-462	<u>LOTS</u> 475-477	<u>LOTS</u> 497-500	<u>LOTS</u> 501-508	
TOTAL AREA OF SITE	:	0.59± AC.	0.37± AC.	0.28± AC.	0,44± AC.	0.74± AC.	
AREA DISTURBED	:	0.70± AC.	0.44± AC.	0.39± AC.	051± AC.	0.86± AC.	
AREA TO BE ROOFED OR PAVED	:	0.29± AC.	0.20± AC.	0.16± AC.	0.21± AC.	0.44± AC.	
AREA TO BE VEGETATIVELY STABILIZED	:	0.51± AC.	0.24± AC.	0.23± AC.	0.30± AC.	0.42± AC.	
TOTAL CUT	:	1840± CY	1800± CY	580± CY	1500± CY	2655± CY	
TOTAL FILL	:	1840± CY	1800± CY	580± CY	1500± CY	2655± CY	
OFF-SITE WASTE/BORROW AREA LOCATION	:	NONE	NONE	NONE	NONE	NONE	

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

9. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW 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 PUIL DING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

II TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO 3 PIPE LENGTHS OR THAT WHICH SHALL BE BACKFILLED AND STABILIZED WITHIN I WORKING DAY, WHICHEVER IS SHORTER.

PERMANENT SEEDING NOTES

(UNLESS PREVIOUSLY LOOSENED).

APPLY TO GRADED OR CLEARED AREA 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, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES

I) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQUARE FEET) 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 TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREA-FORM

FERTILIZER (9 LBS/1000 SQ FT). 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 1000 LBS PER ACRE OF 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 I THRU APRIL 30, AND AUGUST I THRU OCTOBER 15. SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ FT) OF KENTICKY SUTALL FESCUE. FOR THE PERIOD MAY LITHRULULY SU SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND 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 STRAW.

MULCHING: APPLY I-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 & 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

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).

SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT).

AS POSSIBLE IN THE SPRING, OR USE SOD.

SEEDING: FOR PERIODS MARCH I THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.). FOR THE PERIOD MAY I THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/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 SLOPES, 8 FT OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

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

G. L. W. FILE No. SCALE ZONING AS SHOWN

THIS PLAN IS FOR SEDIMENT CONTROL PURPOSES ONLY 2.10.12 Chief, Development Engineering Division

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

REVISION

SEQUENCE OF CONSTRUCTION

DURATION: 1/2 day.

DURATION: 2 days.

ITEMS. Duration: 1/2 day.

Duration: 1/2 day

MATERIAL. DURATION: 3-4 months.

APPLY FOR GRADING PERMIT AND SCHEDULE A PRE-CONSTRUCTION MEETING WITH

THE INSPECTOR. OBTAIN GRADING PERMIT FROM THE INSPECTOR AT THE MEETING.

INSTALL STABILIZED CONSTRUCTION ENTRANCES (SCE), SILT FENCES (SF), SUPER

GRADE SITE FOR HOUSE CONSTRUCTION. PROVIDE DUST CONTROL AS NECESSARY.

CONSTRUCT HOUSES, DRIVEWAYS AND SIDEWALKS. INSTALL FENCES AND PLANT

AS EACH BUILDING IS COMPLETED, STABILIZE ANY REMAINING BARE DIRT AREA

. ONCE AREA DRAINING TO SEDIMENT CONTROL MEASURES HAVE BEEN STABILIZED,

OBTAIN PERMISSION FROM THE INSPECTOR TO REMOVE THE SEDIMENT CONTROL

OBTAIN INSPECTION FOR RELEASE OF SURETY (FOR GRADING AND LANDSCAPING).

WITH PERMANENT SEEDING OR WITH SOD. Duration: I-day.

OBTAIN USE AND OCCUPANCY PERMIT THEN FINALIZE SETTLEMENT.

SILT FENCES (SSF) AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.

PROPERTY OWNER (SELLER): MAPLE LAWN FARMS I, LLC 1829 REISTERTOWN ROAD, SUITE 300 BALTIMORE, MD 21208 PH: 410-484-8400 ottn: MARK BENNETT

PREPARED FOR: HOME BUILDER (CONTRACT PURCHASER): MILLER and SMITH at MAPLE LAWN L.L.C. 8401 GREENSBORO DRIVE, SUITE 450 MCLEAN, VIRGINIA 22102 PH: 703-821-2500 attn.: COLLEEN McCALL

DUST CONTROL

DEFINITION

CONTROLLING DUST BLOWING AND MOVEMENT ON CONSTRUCTION SITES AND ROADS.

TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES,

REDUCE ON AND OFF-SITE DAMAGE, HEALTH HAZARDS, AND IMPROVE TRAFFIC

CONDITIONS WHERE PRACTICE APPLIES

MOVEMENT WHERE ON AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT.

<u>SPECIFICATIONS</u>

1. MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.

SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12" APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THAT RUNOFF BEGINS TO FLOW.

5. BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLE TO PREVAILING CURRENTS AT INTERVALS AT ABOUT TEN TIMES THEIR HEIGHT ARE

EFFECTIVE IN CONTROLLING SOIL BLOWNG. CALCIUM CHLORIDE - APPLY AT RATES THAT WILL KEEP SURFACE MOIST. MAY NEED TREATMENT.

PERMANENT VEGETATION - SEE STANDARDS FOR PERMANENT VEGETATIVE COVER, AND

PERMANENT STABILIZATION WITH SOD. EXISTING TREES OR LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.

2. TOPSOILING - COVERING WITH LESS EROSIVE SOIL MATERIAL. SEE STANDARDS FOR TOP SOIL.

AGRICULTURE HANDBOOK 346. WIND EROSION FORCES IN THE UNITED STATES AND THEIR USE

AGRICULTURE INFORMATION BULLETIN 354. HOW TO CONTROL WIND EROSION, USDA_ARS.

3. STONE - COVER SURFACE WITH CRUSHED STONE OR GRAVEL.

3. TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD

IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED

2. VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.

TEMPORARY METHODS

REFERENCES

THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND

LECTION DISTRICT No. 5

MAPLE LAWN FARMS HILLSIDE DISTRICT - AREA 5 LOT Nos. 406-408, 433-434, 459-462, 475-477 and 497-508 (SFD RESIDENTIAL USE) PLAT Nos. 21409-21414 and 21550-21552

SEDIMENT CONTROL NOTES and DETAILS

TAX MAP - GRID HOWARD COUNTY, MARYLAND

ENGINEER'S CERTIFICATE

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS

AND THAT I AM A DULY LICENSED

EXPIRATION DATE: MAY 26, 2012.

LICENSE NO. 12975.

PROFESSIONAL ENGINEER UNDER THE

LAWS OF THE STATE OF MARYLAND,

WERE PREPARED OR APPROVED BY ME.

"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."

SHEET

5 OF 7

