GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND
- 2. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR
- 2 . THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-TTTT AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION WORK.
- 4. PROJECT BACKGROUND: LOCATION: SEE VICINITY MAP IN THE TOP RIGHT CORNER OF THIS SHEET
 - TAX MAP: 41
- ELECTION DISTRICT: 5 ZONING: MXD-3 PER ZB-945M (APPROVED ON 02-08-01), UNDERLYING ZONING IS RR-DEO AND PER THE 2/02/04 COMPREHENSIVE ZONING PLAN
- AREA OF BUILDABLE LOTS (Nos. 112-131, 131-136) FOR THIS SITE DEVELOPMENT PLAN: 3.23± 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-III, 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-II2/II3, S-06-16, F-05-I39, F-06-43, F-06-21, F-06-161, ZB-1039M, PB-378, WP-06-92, F-06-219 \$ F-08-004.
- 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.
- 8. COORDINATES ARE BASED ON NAD83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NUMBERS 4IEA & 46B2. STORMWATER MANAGEMENT, FOR BOTH QUALITY (MQV) AND QUANTITY (CPV) HAS BEEN SATISFIED BY A REGIONAL FACILITY CONSTRUCTED UNDER F-05-81 ON OPEN SPACE LOT 60 AND UNDER F-06-161 ON OPEN SPACE LOTS 214 & 215. THE PONDS WILL BE PUBLICLY OWNED AND MAINTAINED AND THE RECHARGE FACILITY (ON O.S.
- IO. PUBLIC WATER AND SEWER SHALL BE UTILIZED (AS PROVIDED BY W&S CONTRACT NO. 24-4328-D) AND THE WATER METER VAULTS ARE LOCATED IN THE R.O.W.
- 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, 100-YR FLOODPLAIN AND STREAMS.
- 15. THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BY APPROVAL AND IMPLEMENTATION OF F-05-81 AND F-06-161. ALL FOREST CONSERVATION OBLIGATIONS WERE ADDRESSED UNDER F-05-81 & F-06-161.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING (AS SHOWN ON SHEETS 1 & 8 TO SATISFY S-OI-IT 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 & 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 SAFE 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. 15% 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.
- PUBLIC REPUSE PICKUP IS PROVIDED IN THE ALLEY FOR THE COTTAGE LOTS: FOR THE MANOR LOTS ON WATER STREET, REPUSE PICK-UP IS AT
- 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 LISTED UNDER 4.D OF THE LOT DEVELOPMENT DATA ON THIS SHEET.
- 20. AS A CONSEQUENCE OF THE SKETCH PLAN, S-OI-IT APPROVAL PRIOR TO 11-15-01, THIS PROJECT IS GRANDFATHERED TO THE FOURTH EDITION
- 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.
- 22. 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.
- 23. 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, PB-353 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 (9-01-17).
- 25. BUILDABLE LOTS 109-212 SHOWN HEREON SHALL HAVE A ONE (I) FOOT WIDE PUBLIC EASEMENT ADJACENT TO THE PUBLIC ROAD RIGHT OF WAY, FOR THE PURPOSES OF SIDEWALK MAINTENANCE, WATER HOUSE CONNECTION AND SEWER HOUSE CONNECTION.
- 26. THE PRIVATE USE-IN-COMMON DRIVEWAY MAINTENANCE AGREEMENTS FOR LOTS 112 THRU 127 WERE RECORDED UNDER F-08-004 IN THE HOWARD COUNTY LAND RECORDS AS PLAT No. 19284. (LIBER 18824, FOLIO 647 HAW 702)

LOT DEVELOPMENT DATA

GENERAL SITE ANALYSIS DATA

- A. PRESENT ZONING: MXD-3 PER ZB-995M B. PROPOSED USE OF SITE: 22 SFD RESIDENTIAL DWELLINGS
- . PUBLIC WATER & SEWER TO BE UTILIZED (CONTR.#24-4328-D)
- D. PARKING REQUIRED PER Sec.133.D.2.a.: 2 SPACES/UNIT x 22 = 44 SPACES PARKING PROVIDED: 45 GARAGE SPACES (ALL LOTS HAVE AT LEAST A 2-CAR GARAGE, EXCEPT FOR THE 3-CAR GARAGE ON LOTS 138.
- 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: 3.23± AC.
- B. AREA OF THIS PLAN SUBMISSION: 3.6± ACRES
- C. AREA OF DISTURBANCE BY THIS SDP: 3.6± ACRES

3. LOT DESIGNATION:

LOT TYPE	LOT NUMBERS	MINIMUM LOT SIZE	MIN. LOT WIDTH AT FRONT BRL	MAX. BUILDING HT.
MANOR COTTAGE	112-128 129-131, 137-138	4,000 SQUARE FEET 2,500 SQUARE FEET	48 FEET 32 FEET	38 FEET (MEAN HT.) 38 FEET (MEAN HT.)
COTTAGE AND				

4. STRUCTURE SETBACKS PER S-06-16 AND PLAT No. 18744-50

LOT TYPE	FRONT SETBACK	SIDE SETBACK	MINIMUM REAR SETBACKS
	12' MIN, 10' MIN,	6' MIN.* 4' MIN.*	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.

* THERE IS NO SIDE SETBACK (O') 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 (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 &'. 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.N.) 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 A SIDE YARD ABUTS AN OPEN SPACE OR PASSAGE, PORCHES MAY ENCROACH TO WITHIN I' FROM SIDE PROPERTY LINE FOR COTTAGES AND MANORS.
- 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 12" ALONG THE SIDE AND REAR

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

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\06014\SDP-SFD\06014-CS.dwg | DES. mbt

PROFESSIONAL CERTIFICATION

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. XPIRATION DATE: MAY 26, 2008

119/08 Rev. address chart for lot 138/

PREPARED FOR: PROPERTY OWNER (SELLER): G & R MAPLE LAWN, INC., ET. AT. 1829 REISTERTOWN ROAD, SUITE 300 BALTIMORE, MD 21208 PH: 410-484-8400 ottn.: CHARLIE O'DONOVAN

MAPLE LAWN FARMS

SITE DEVELOPMENT PLAN

HILLSIDE DISTRICT -- AREA 3

LOTS 112-131, 137-138

FIFTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SITE OVERVIEW

SCALE: 1" = 300'

PARCEL

PARCEL A-II

PARCEL

WESTYOCO CORP

TYP. STREAM &

ITS ASSOCIATED

OPEN SPACE 60

M.L.F. HILLSIDE

PER F-05-81

THIS SDP

RESIDUE OF PROPERTY OF GAR MAPLE LAWN FARMS, INC

L. 4192 F. 148

ELECTION DISTRICT No. 5

SUBMISSION

BUFFER (SB)

OPEN SPACE

YOPEN SPACE

PARCEL A-7

PARCEL A-6

PARCEL A-5

EX. BASIN #I PER F-03-90

RESIDUE OF

MAPLE LAWN FARM

PARCEL 129 RESIDUE OF PROPERTY

OF GER MAPLE LAWN

FARMS, INC

L. 4192 F. 148

(COMMUNITY CENTER)

(SOP-03-ITI)

PARCEL A-14

MAPLE LAWN FARMS

MIDTOWN DISTRICT, AREA-2

WESSEL PROPERTY L. 4898 F. 223 ZONED: RR-MXD

OF MAPLE

DISTRICT

OPEN SPACE LOT 236

MAPLE LAWN FARMS

REVISION

MIDTOWN DISTRICT,

BUILDER (LOT PURCHASER): MB MAPLE LAWN L.L.C. 1686 E. GUDE DRIVE PH: (301) 762-9511 x 2101 attn.: JOHN CORGAN

PROPERTY OF

POTOMAC ELECTRIC

ROCKVILLE, MARYLAND 20850

MAPLE LAWN FARMS HILLSIDE DISTRICT - AREA 3: LOT Nos. 112-131, 137-138 (SFD RESIDENTIAL USE) PLAT Nos. 18744-50 and 19284

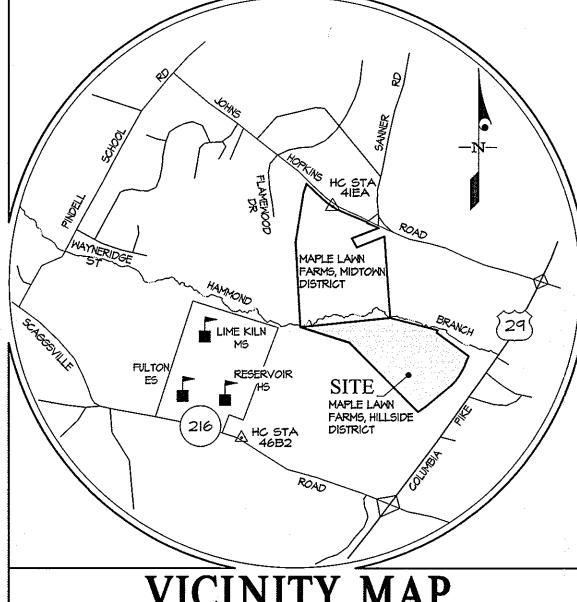
COVER SHEET

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



VICINITY MAP

OVERALL OPEN SPACE PROVISION FOR MAPLE LAWN FARMS

PHASE NUMBER (AND NAME)	APPROVED DPZ FILE No.	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-03-01	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	2058	22.85 (38.9)	2.06	
a (HILLSIDE DISTRICT, AREA-I)	F-05-81	15.47	5.41	6.70 (43.3)	0.54	0.29 (4.3) ②
6 (MIDTOWN DISTRICT, AREA-3)	F-05-139	0.00	0.00	0.00	0.00	
C (BUSINESS DISTRICT, AREA-2/ HILLSIDE DISTRICT, AREA-2)	F-05-II2/II3	3.00	1.05	0.00	0.10	
a (HILLSIDE DISTRICT, AREA-I)	F-06-43	0.00	0.00	0.00	0.00	
b (HILLSIDE DISTRICT, AREA-3)	F-06-161	33.26	11.64	18.50 (55.4)	1.16	1.61 (8.7)
TOTAL		199.94	69.97	84,95 (42.5)	6.99	9.42 (II.I)

* 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).

1.52 AC. = COMMUNITY CENTER (O.S. 125 - 5.01 AC.), O.S. 126 (0.55 AC.) AND O.S. 230 (1.96 AC.) (2) 0.29 AC. = PATHWAYS

THIS PLAN HAS BEEN SET UP TO ALLOW MULTIPLE GRADING PERMITS, IN ACCORDANCE WITH APPLICABLE POLICY FOR MLF.

LOT GROUPS	DISTURBED AREA	LANDSCAFE SURETT AMOUNT	LANDSCAFE INSPECTION F
112-119	1.28± AC.	\$ 12,960.00	\$ 129.60
120-128	1.52± AC.	\$ 14,640.00	\$ 146.40
129-131	0.47± AC.	\$ 1 <i>800.00</i>	\$ 100.00
137-138	0.34± AC.	\$ 1,950.00	\$ 100.00
TOTAL.	3.61± AC.	\$ 31350.00	\$ 476.00

WITHIN I YEAR OF SIGNATURE APPROVAL OF THIS SOP 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 5 YEARS OF ITS APPROVAL.

WP-06-92(****) - WAIVER REQUEST FROM SECTION 16.132(a)(2)(ii) -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:

N 544,400

PARCEL 146

N/F PROPERTY OF

JAMES ALLEN PRICE L.5359 F.489

ZONED: PEC

SPACE 215

RESIDUE OF PROPERTY OF

MAPLE LAWN FARMS I, LLC

L. 9074 F. 90

SWM POND

PER F-06-161

A. COMPLIANCE WITH THE SRC AGENCIES COMMENTS FOR FINAL PLAN, F-06-161

B. THE PROPOSED ROAD IMPROVEMENTS (RESURFACING AND RE-STRIPING) AND STREET TREES ON THE WEST SIDE OF OLD COLUMBIA ROAD SHALL BE PROVIDED AS SHOWN ON

SHEET INDEX COVER SHEET

SITE DEVELOPMENT PLAN SITE DEVELOPMENT PLAN SITE DETAILS

HOWARD COUNTY, MARYLAND

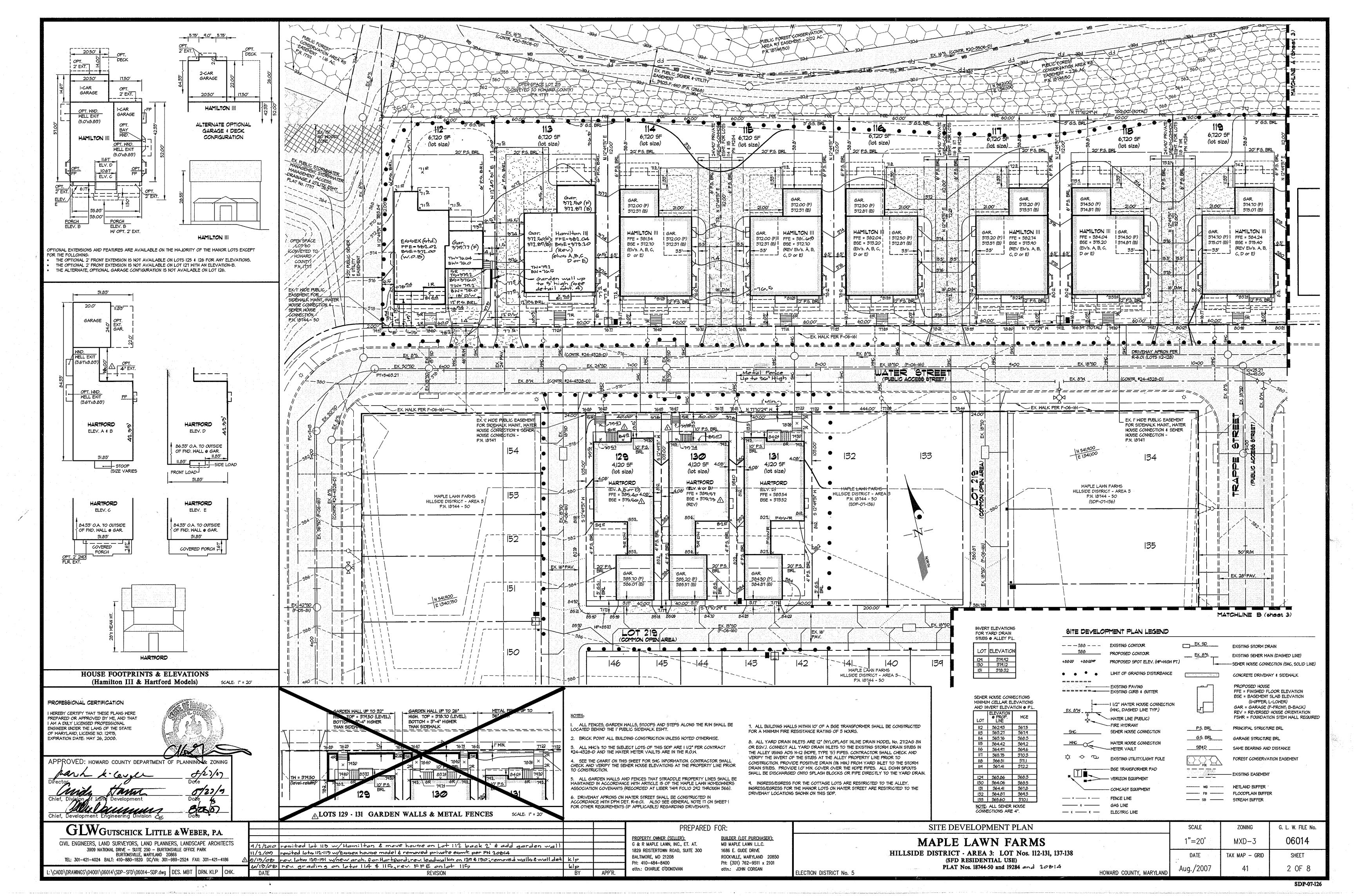
SEDIMENT & EROSION CONTROL PLAN SEDIMENT CONTROL NOTES & DETAILS LANDSCAPE PLAN, NOTES & DETAILS 8 LANDSCAPE PLAN, NOTES & DETAILS

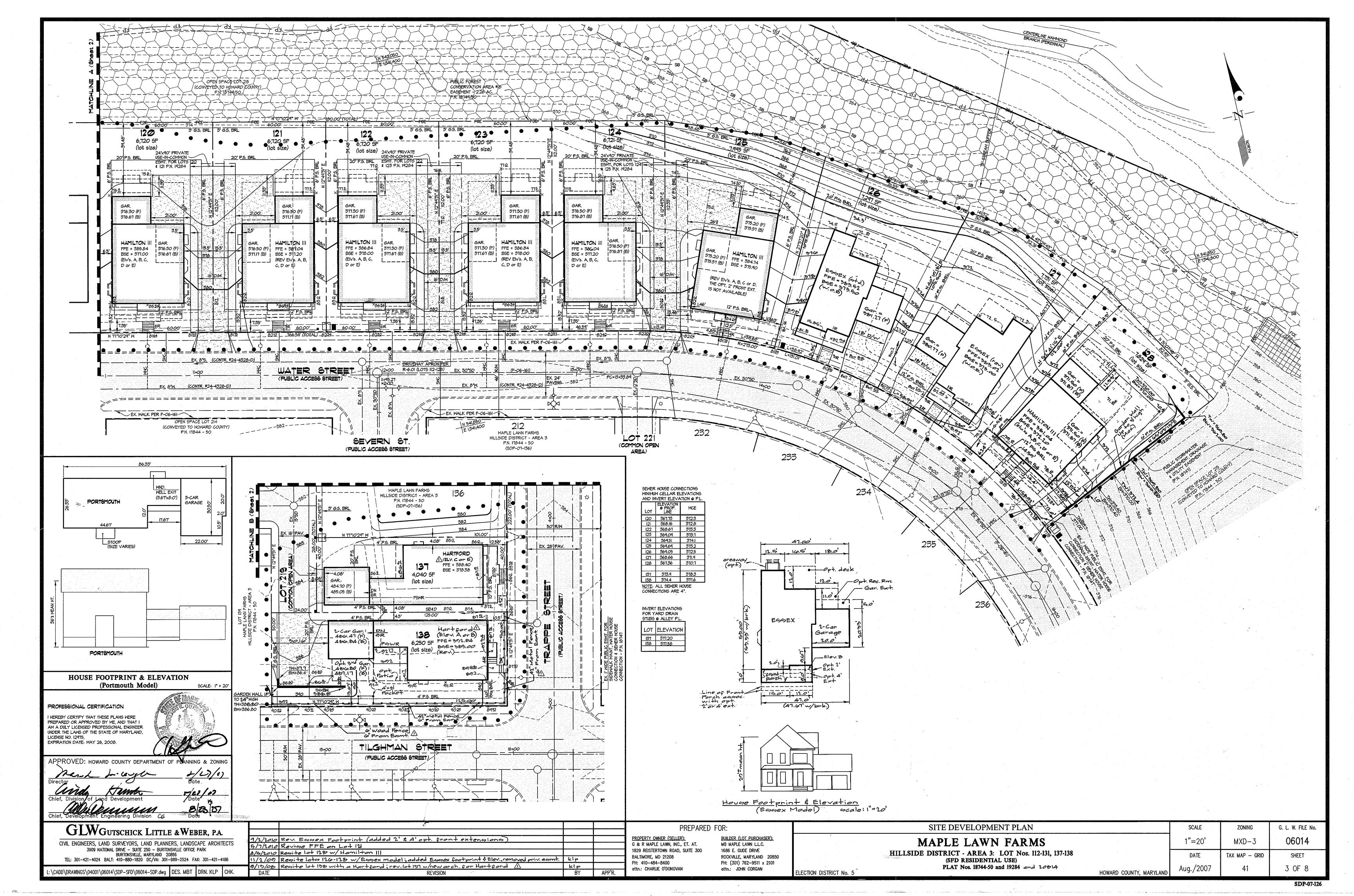
ADDRESS CHART LOT No. | STREET ADDRESS LOT No. STREET ADDRESS

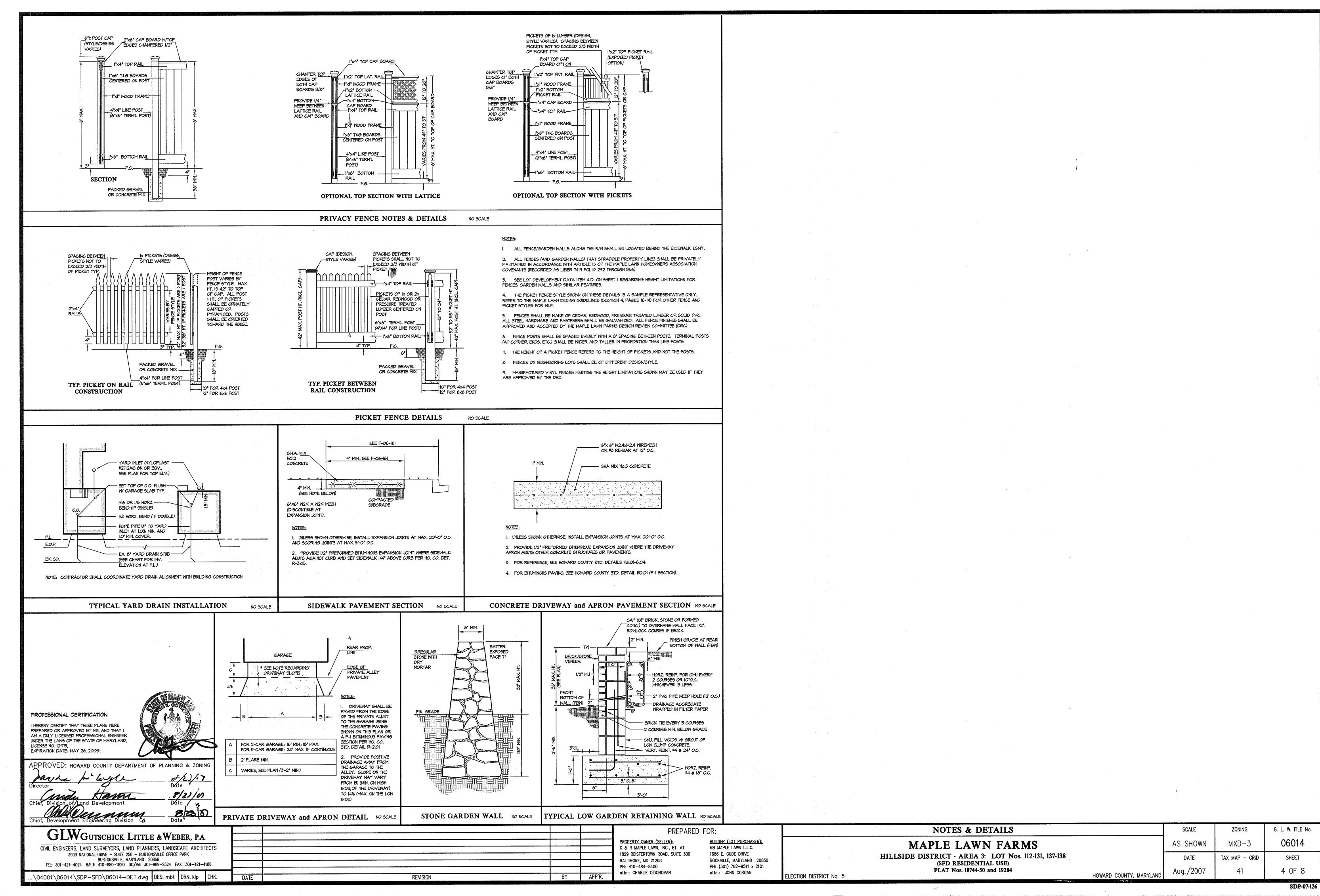
112	7737	WATER STREE	Τ		129	T140	WATER S	TREET		
ii3	7739	WATER STREE	T		130	7142	WATER S	TREET		
114	7741	WATER STREE	Т		131	7744	WATER S	TREET		
115	T743	WATER STREE	τ		137	7403	TRAPPE	STREET		
116	II6 T145 WATER STREET				138	<u> </u>	TRAPPE	STREET	/ 1439 TILGHMAN	
Π	7747	WATER STREE	T							
118	7749	WATER STREE	T .			,				
II9	7751	WATER STREE	T .							
120	T153	WATER STREE	Т						·	
121	1155	WATER STREE	Т							
122	7757	WATER STREE	T							
123	7759	WATER STREE	Т							
124	7761	WATER STREE	T							
125	125 TT63 WATER STREET									
126	T765	WATER STREE	T							
121	7767	WATER STREE	Т							
128	7769	WATER STREE	τ							
WATER CODE: E21 DEVELOPMENT NAME: MAPLE LAWN FARMS, HILLSIDE DISTRICT - AREA 3					SEWER CODE: 1695000					
					DISTRIC	T/AREA	LOTS		CENSUS TRA	CT
				HILLSIDE/	AREA-3	112-131, 1	37-138	6051.02		
PLA'	T	ZONE	TAX MAP	6	RID	ELEC.	DIST.			
9144-50 4 19294 MVD-8 41 15					16 01 + 00	-		}		

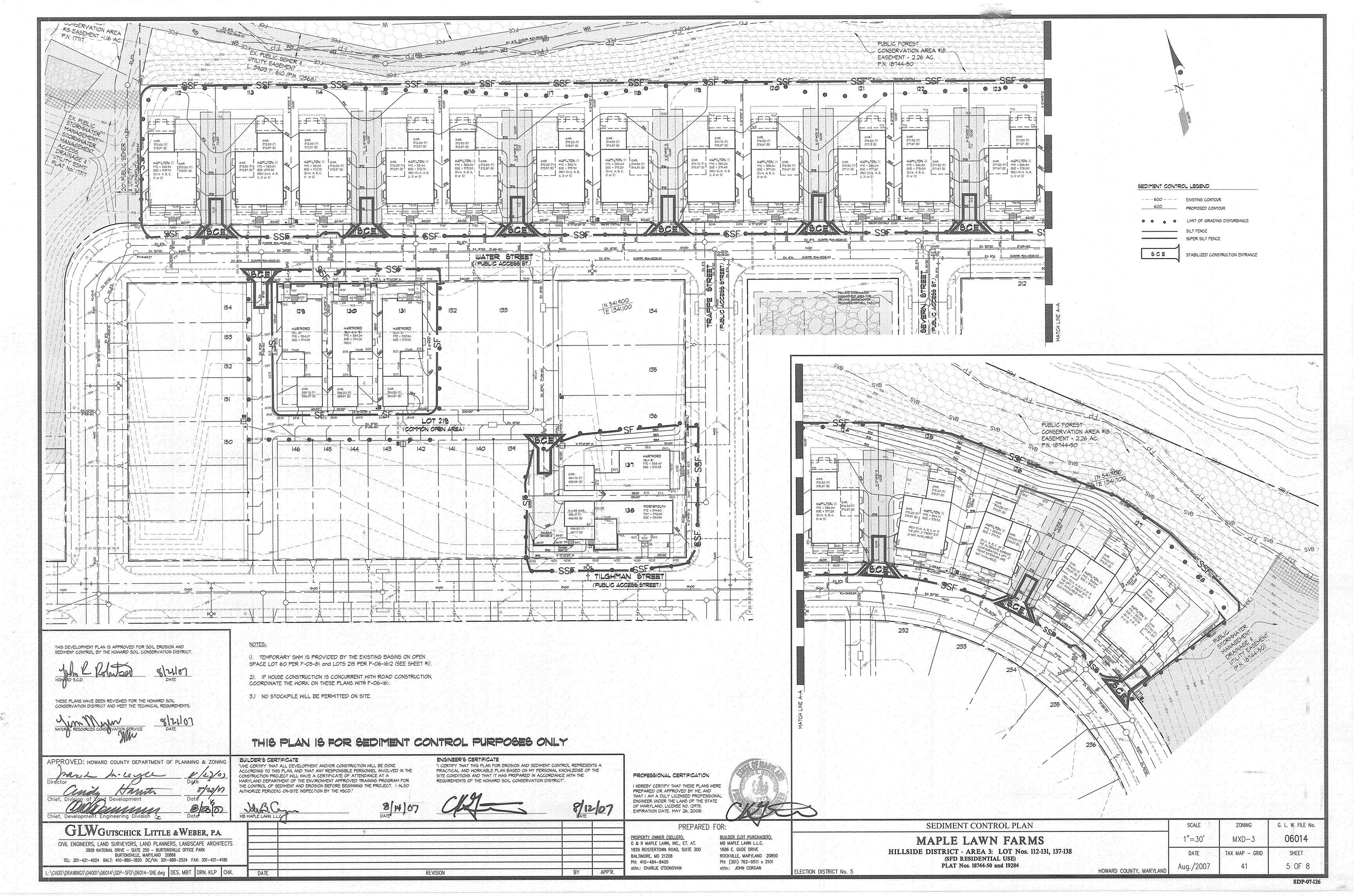
| 18744-50 \$ 19284 | MXD-3 | 41 | 15,16, 21 \$ 22 } 5 SCALE G. L. W. FILE No. TAX MAP - GRID SHEET

SDP-07-126









SEDIMENT CONTROL NOTES

1. 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) T 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.

25l± ACRES

LIO± ACRES

5500 CU. YDS.

5500 CU, YDS.

T. SITE ANALYSIS: TOTAL AREA OF SITE

DAY OF DISTURBANCE.

: 3.23± ACRES AREA DISTURBED : 36lt ACRES AREA TO BE ROOFED OR PAYED AREA TO BE VEGETATIVELY STABILIZED : TOTAL CUT TOTAL FILL

OFF-SITE WASTE/BORROW AREA LOCATION:

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

9. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.

IO. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

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

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."



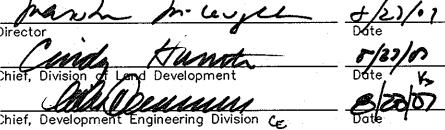
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL



\04001\06014\SDP-SFD\06014-SNE-DET.dwg

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING



GLWGUTSCHICK LITTLE &WEBER, P.A.

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS

3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK

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DES. mbt DRN. klp

I. APPLY FOR GRADING PERMIT AND SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE INSPECTOR. OBTAIN GRADING PERMIT FROM THE INSPECTOR AT THE MEETING.

SEQUENCE OF CONSTRUCTION

2. INSTALL STABILIZED CONSTRUCTION ENTRANCES (SCE), SILT FENCES (SF), SUPER SILT FENCES (SSF) AND INLET PROTECTION (AGIP).

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

4. CONSTRUCT HOUSES, DRIVEWAYS, GARDEN WALLS AND SIDEWALKS.

5. AS EACH BUILDING IS COMPLETED, STABILIZE ANY REMAINING BARE DIRT AREA WITH PERMANENT SEEDING OR WITH SOD. 6. ONCE AREA DRAINING TO SEDIMENT CONTROL MEASURES HAVE BEEN STABILIZED, OBTAIN PERMISSION FROM THE INSPECTOR TO REMOVE THE

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

SEDIMENT CONTROL ITEMS.

(UNLESS PREVIOUSLY LOOSENED).

8. OBTAIN USE AND OCCUPANCY PERMIT THEN FINALIZE SETTLEMENT.

PERMANENT SEEDING NOTES

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, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING

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

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).

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 KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY I THRU JULY 31 SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (I) 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 1-1/2 TO 2 TONS PER ACRE (10 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, DISKING 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).

SEEDING: FOR PERIODS MARCH I THRU APRIL 30 AND FROM AUGUST IS 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 AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (10 TO 40 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, & FT OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

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

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT".



DATE

DEFINITION

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

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

CONDITIONS WHERE PRACTICE APPLIES

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 GROWTH. 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

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 AND 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 65 OR HIGHER.

ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT TOPSOIL HAVING SOLUBLE SALT GREATER THAN 500 PARTS PER MILL SHALL NOT

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 APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.

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).

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 41-8' 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

D. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS FROZEN OR UNDER MUDDY CONDITIONS, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

VI. ALTERNATIVE FOR PERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL FERTILIZER, COMPOSTED SLUDGE AND AMENDMENTS MAY BE APPLIED AS SPECIFIED BELOW:

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.

2. COMPOSTED SLUDGE SHALL CONTAIN AT LEAST I PERCENT NITROGEN, 1.5 PERCENT PHOSPHORUS, AND 0.2 PERCENT POTASSIUM AND HAVE A PH OF 7.0 TO 8.0. IF COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS PRIOR TO USE.

3. COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF I TONILOGO SQUARE FEET.

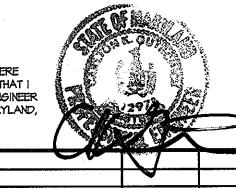
B. COMPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILIZER APPLIED AT A RATE OF 4LB/1,000 SQUARE FEET, AND 1/3 THE NORMAL LIME APPLICATION RATE.

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

PROFESSIONAL CERTIFICATION

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, 2008.

REVISION



STANDARD AND SPECIFICATIONS FOR TOPSOIL

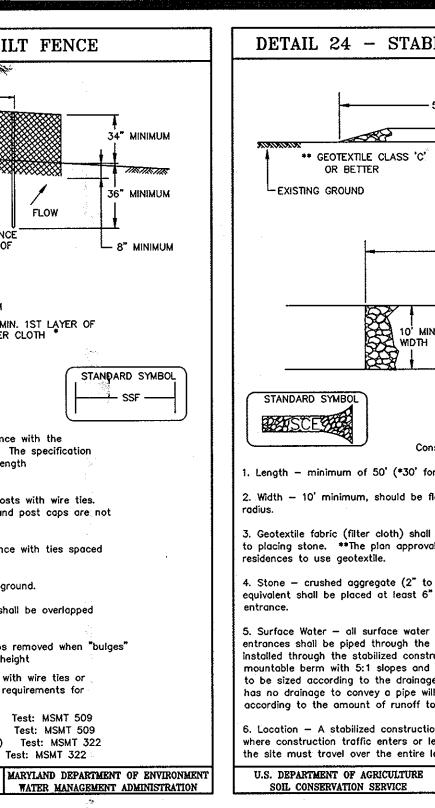
PROPERTY OWNER (SELLER): G & R MAPLE LAWN, INC., ET. AT. 1829 REISTERTOWN ROAD, SUITE 300 BALTIMORE, MD 21208 PH: 410-484-8400 attn.: CHARLIE O'DONOVAN

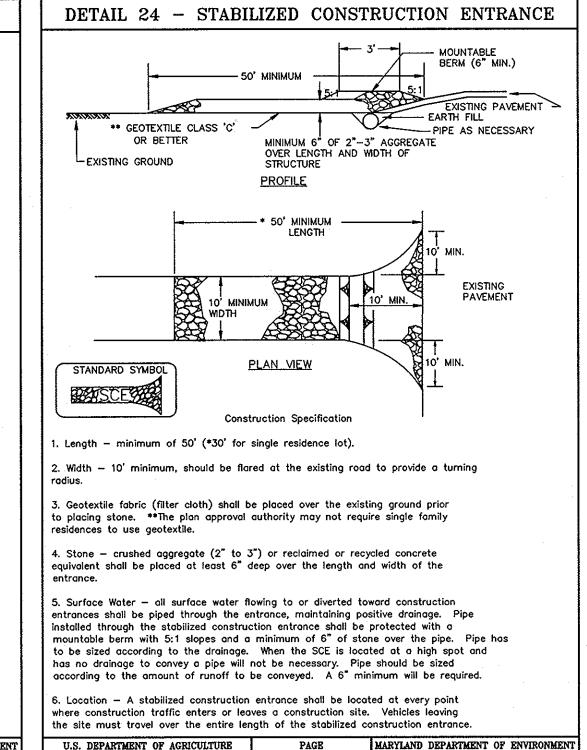
PREPARED FOR: MB MAPLE LAWN L.L.C. 1686 E. GUDE DRIVE attn.: JOHN CORGAN

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

ELECTION DISTRICT No. 5

DETAIL 33 - SUPER SILT FENCE NOTE: FENCE POST SPACING SHALL NOT EXCEED 10' CENTER TO CENTER 10' MAXIMUM TINTE TINTE 1/8/1/8/1/8 SURFACE MUMINIMUM FLOW 21/2" DIAMETER GALVANIZED R ALUMINUM WITH 1 LAYER O FILTER CLOTH CHAIN LINK FENCING FILTER CLOTH FLOW ----TRIBITA UNDISTURBED EMBED FILTER CLOTH 8" ---MINIMUM INTO GROUND STANDARD SYMBOL * IF MULTIPLE LAYERS ARE ____ SSF ___ Construction Specifications 1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length 2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence. 3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section. 4. Filter cloth shall be embedded a minimum of 8" into the ground. 5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded. 6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height 7 Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F: Test: MSMT 509 Tensile Strength 50 lbs/in (min.) Test: MSMT 509 Tensile Modulus 20 lbs/in (min.) Flow Rate 0.3 gal/ft /mirrute (max.) Test: MSMT 322 Filtering Efficiency 75% (min.) Test: MSMT 322 MARYLAND DEPARTMENT OF ENVIRONMENT MARYLAND DEPARTMENT OF ENVIRONMENT





F - 17 - 3 WATER MANAGEMENT ADMINISTRATION

CONDITIONS WHERE PRACTICE APPLIES

SOIL CONSERVATION SERVICE

SPECIFICATIONS

This practice is applicable to areas subject to dust blowing and

movement where on and off-site damage is likely without treatment.

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 safety.

DETAIL 22 - SILT FENCE

POST LENGTH

EMBED GEOTEXTILE CLASS F

INTO THE GROUND

Construction Specifications

ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the

(minimum) round and shall be of sound quality hardwood. Steel posts will be

standard T or U section weighting not less than 1.00 pond per linear foot.

2. Geotextile shall be fastened securely to each fence post with wire ties

or staples at top and mid-section and shall meet the following requirements

50 lbs/in (min.)

20 lbs/in (min.)

3. Where ends of geotextile fabric come together, they shall be overlapped,

4. Silt Fence shall be inspected after each rainfall event and maintained when

bulges occur or when sediment accumulation reached 50% of the fabric height.

A MINIMUM OF 8" VERTICALLY

CLOTH -

CROSS SECTION

Test: MSMT 509

Test: MSMT 509

B - 15 - 3 WATER MANAGEMENT ADMINISTRATION

Test: MSMT 322

0.3 gal ft / minute (max.) Test: MSMT 322

10' MAXIMUM CENTER TO

--- CENTER.

PERSPECTIVE VIEW

STAPLE

for Geotextile Class F:

Tensile Strenoth

Tensile Modulus

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

Flow Rate

JOINING TWO ADJACENT SILT

FENCE SECTIONS

Filterina Efficiency 75% (min.)

36" MINIMUM LENGTH FENCE POST.

16" MINIMUM HEIGHT OF

FENCE POST SECTION

MINIMUM 20" ABOVE

- FENCE POST DRIVEN A

MINIMUM OF 16" INTO

STANDARD SYMBOL

-----SF-----

GROUND

THE GROUND

GEOTEXTILE CLASS F

DRIVEN A MINIMUM OF 16" INTO

1. Mulches - See standards for vegetative stabilization with mulches only. Mulch should be

2. Vegetative Cover - See standards for temporary vegetative cover. Tillage - To roughen surface and bring clods to the surface. This is an emergency measure

plows spaced about 12" apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect. 4. Irrigation - This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Repeat as needed At no time should the site be irrigated to the point that

which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type

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 soll blowing. Calcium Chloride - Apply at rates that will keep surface moist. May need treatment.

1. 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.

3. Stone - Cover surface with crushed stone or gravel.

Agriculture Handbook 346. Wind Erosion Forces in the United States and Their

2. Agriculture Information Bulletin 354. How to Control Wind Erosion, USDA_ARS.

THIS PLAN IS FOR SEDIMENT AND EROSION CONTROL PURPOSES ONLY

SEDIMENT CONTROL NOTES & DETAILS MAPLE LAWN FARMS HILLSIDE DISTRICT - AREA 3: LOT Nos. 112-131, 137-138 (SFD RESIDENTIAL USE)

PLAT Nos. 18744-50 and 19284

G. L. W. FILE No. AS SHOWN MXD-306014 TAX MAP - GRID SHEET DATE 6 OF 8 HOWARD COUNTY, MARYLAND

