### GENERAL NOTES ! ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE. 2. 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. 3. 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 TAX MAP: 41 ELECTION DISTRICT: 5 ZONING: MXD-3 PER ZB-995M (APPROVED ON 02-08-01), UNDERLYING ZONING IS RR-DEO PER THE 2/02/04 COMPREHENSIVE ZONING PLAN. AREA OF BUILDABLE LOTS (Nos. 33-55 & 81-103) FOR THIS SITE DEVELOPMENT PLAN: 2.52± ACRES. FOR OTHER SUBMISSIONS RELATED TO THIS SITE, SEE HOWARD COUNTY DEPT. OF PLANNING & ZONING FILE Nos.: S-OI-IT, ZB-995M, PB-353, MP-01-111, MP-03-02, P-03-01, F-03-90, P-04-01, F-04-92, SDP-04-82/112/121 (MIDTOWN AREA-1 SDP's), SDP-05-62/65/66/115/116/155/156 (MIDTOWN AREA-2 5PD's), F-05-81 (Plat 1716), F-05-82, P-05-02, F-05-139, F-05-112/113, F-06-43 (Plat 18063), F-06-219 AND F-07-112 (P.N. 1367 \$ 5. 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. 6. 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. 7. EXISTING TOPOGRAPHY AND FEATURES COMPILED FROM F-05-BI and GLW SURVEY IN MARCH 2006. 8. COORDINATES ARE BASED ON NADAS MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NUMBERS 41EA 4 46B2. 9. 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. THE POND WILL BE PUBLICLY OWNED AND MAINTAINED. 10. PUBLIC WATER AND SEWER SHALL BE UTILIZED (AS PROVIDED BY W&S CONTRACT NO. 24-4238-D). WATER METERS ARE LOCATED IN THE METER VAULTS WITHIN THE PUBLIC ROAD RIGHT OF WAY. SEWER HOUSE CONNECTION (SHC) ELEVATIONS ARE SHOWN ARE AT THE PROPERTY LINE... 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. 12. ALL ROADS LABELED AS "PUBLIC" ARE PUBLICLY MAINTAINED ONCE THEY ARE DEDICATED. ALL ROADS LABELED AS "PRIVATE" ARE PRIVATELY MAINTAINED BY A HOMEOWNER ASSOCIATION. FOR DRIVEWAY ENTRANCE WITHIN THE PUBLIC ROADWAYS, SEE HOWARD COUNTY DPW STD. R-6.01. 13. ANY DAMAGE TO THE ADJACENT COUNTY OWNED RIGHT-OF-WAY AND PROPERTY SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. 14. THERE ARE NO GRAVE SITES, CEMETERIES, WETLANDS, 100-YR FLOODPLAIN OR STREAM ON THE BUILDABLE LOTS (Nos. 137-144 AND 169-179) SHOWN ON THIS SITE DEVELOPMENT PLAN. ELSEWHERE WITHIN THE MIDTOWN 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 16. FINANCIAL SURETY (\$4,450,00) 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 SHEET 7 AND THE GRADING PERMIT CHART ON SHEET I. 17. 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'(14' 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. 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. 18. PUBLIC REPUSE PICKUP IS PROVIDED IN THE ALLEY. 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 OF THE 21. 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 100 YEAR FLOODPLAN. 23. ON 10/26/06, THE HOWARD COUNTY PLANNING BOARD APPROVED THIS SOP WITH THE FOLLOWING REQUESTED SETBACK REDUCTIONS: 1) FROM A 20' REAR SETBACK TO A MINIMUM OF 15' FOR THE PRINCIPAL STRUCTURES AND DECKS FROM 10' MINIMUM TO 8.9' LOCATED ON LOTS 81 THRU 103, AND

2) FROM A 10' MINIMUM SIDE TO SIDE SETBACK TO 66' FOR THE UNITS LOCATED ON LOTS 48, 49, 52 AND 53 AS REQUIRED BY THE MLF DEVELOPMENT CRITERIA.

PARKING PROVIDED: 80 GARAGE SPACES (ALL LOTS HAVE A 2-CAR GARAGE) + 34 DRIVEWAY SPACES (FOR LOTS 87-103) = 114 SPACES TOTAL.

MINIMUM LOT SIZE MIN. LOT WIDTH AT FROM BRL

MINIMUM REAR SETBACKS \*

 $^{*}$ B, OPEN DECKS MUST BE A MINIMUM OF 10' FROM REAR PROPERTY LINE, AND ARE SUBJECT TO SIDE YARD SETBACKS

D. EXCEPTIONS TO FRONT SETBACK REQUIREMENTS. SECTION 128.A.I APPLIES, EXCEPT FOR THE FOLLOWING:

C. FACING ACCESSORY STRUCTURES AND DETACHED GARAGES (ACROSS AN ALLEY/LANE R.O.M.) SHALL BE 30' APART.

STOOPS AND STEPS MAY ENCROACH INTO THE FRONT AND SIDE YARDS TO WITHIN I' FROM THE FRONT PROPERTY LINE.

A. BETWEEN SFA BUILDINGS, THE MINIMUM SETBACK DISTANCES SHALL BE 30' FRONT TO FRONT, 50' BACK TO BACK, 50' BACK TO FRONT AND 10' FOR ALL

PORCHES MAY ENCROACH INTO THE FRONT YARD TO WITHIN 2' FROM THE PROPERTY LINE OR RIGHT-OF-WAY FOR TOWNHOUSES, COTTAGES AND MANORS.

ABUTS AN OPEN SPACE OR PASSAGE, PORCHES MAY ENCROACH TO WITHIN !" FROM SIDE PROPERTY LINE FOR 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

LINE; NOT GREATER THAN 48" IN HEIGHT ALONG THE FRONT PROPERTY LINE AND NOT GREATER THAN 72" ALONG THE SIDE AND REAR PROPERTY LINES.

· 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

MAX. BUILDING HT.

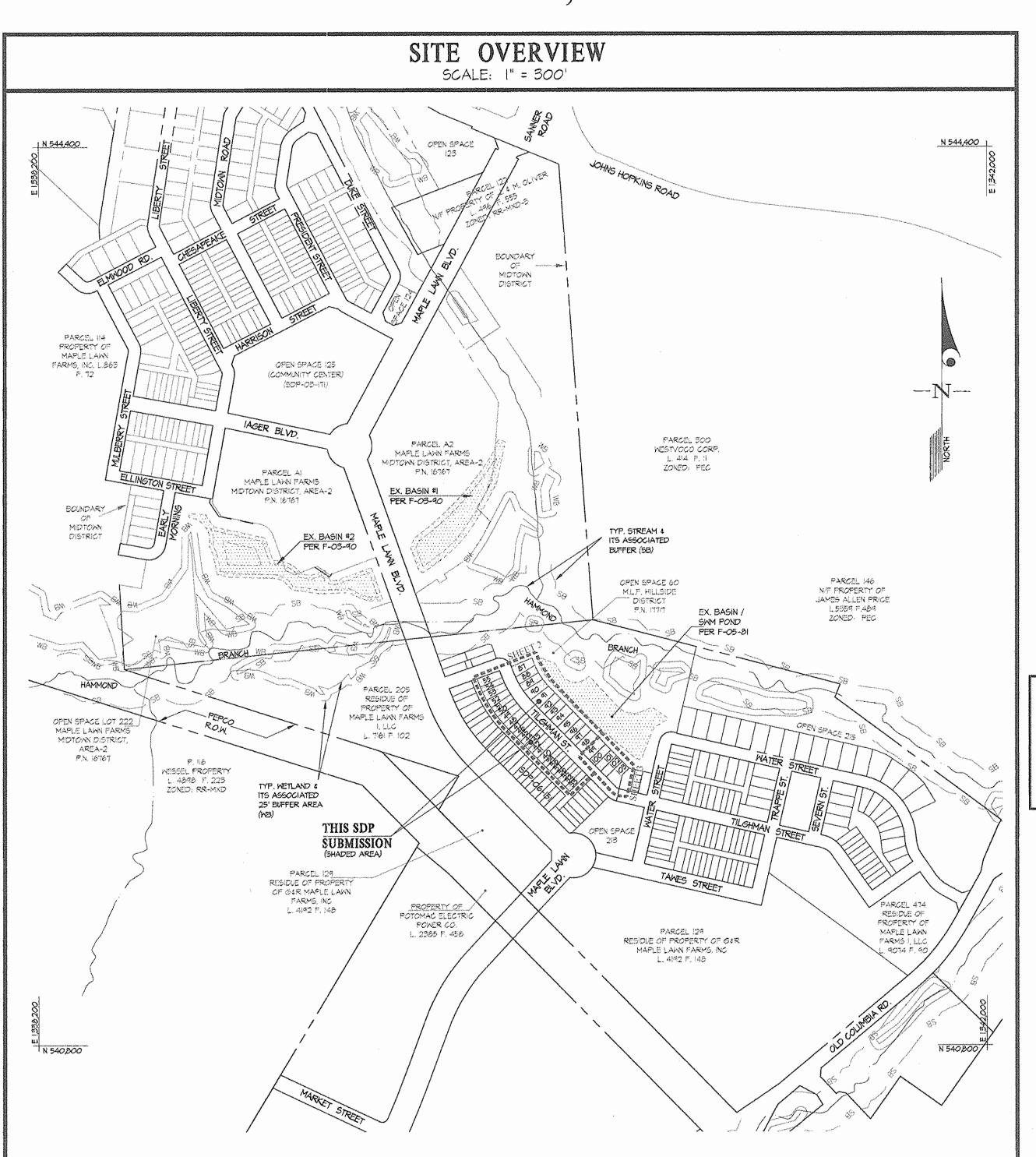
50' (MEAN HT.)

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

E. RECREATION OPEN SPACE FOR THIS SOP IS ADDRESSED UNDER F-05-81 (SEE OVERALL OPEN SPACE PROVISION CHART ON THIS SHEET).

# MAPLE LAWN FARMS SITE DEVELOPMENT PLAN

HILLSIDE DISTRICT -- AREA 1
LOTS 33-55 and 87-103
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

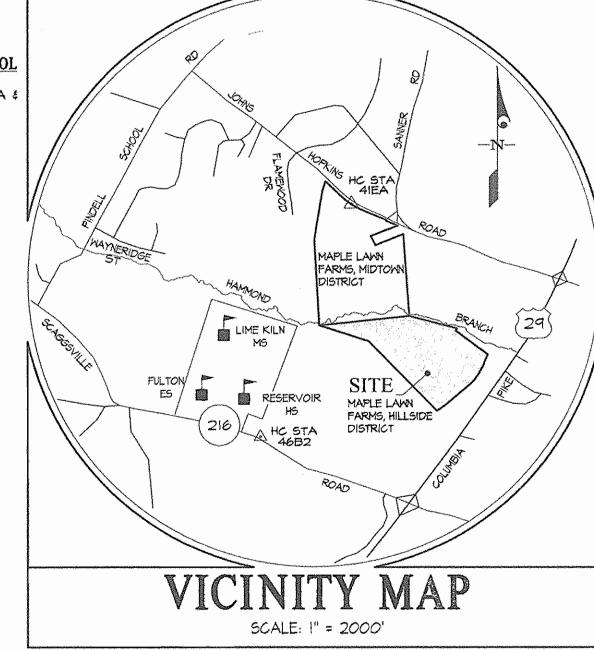


# HOWARD COUNTY CONTROL

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)	APPROVED DPZ FILE No.	PHASE AREA GROSS ACREAGE	REQIURED 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	hetyrffer) desiryr wysiol e eu e haster e yn faciliandr d
4a (HILLSIDE DISTRICT, AREA-I)	F-05-81	15.47	5.41	6.70 (43.3)	054	0.29 (4.5) 2
46 (MIDTOWN DISTRICT, AREA-3)	F-05-139	0.00	0.00	0.00	0.00	ter general and general and and represent the second secon
4c (BUSINESS DISTRICT, AREA-2/ HILLSIDE DISTRICT, AREA-2)	F-:05-II2/II3	3.00	1,05	0.00	0.10	maranda di diang di Maranda (Carlos Maranda) (Carlos Mara
5a (HILLSIDE DISTRICT, AREA-I)	F-06-43	0.00	0.00	0.00	0.00	
TOTAL		166.68	58.33	66.45 (399)	5.83	7.81 (11.8)

- \* 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. = COMMUTTY CENTER (O.S. 125 5.01 AC.), O.S. 126 (O.55 AC.) AND O.S. 230 (1.96 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.

OT GROUPS	DISTURBED AREA	LANDSCAPE SURETY AMOUNT	LANDSCAPE INSPECTION FEES PAID
33-5 <del>5</del>	1.45 AC	\$ 4,470.00	\$ 100.00
37-10 <del>3</del>	1.36 AC	\$ 4,980.00	\$ 100,00
TOTAL	2,8( AC	\$ 9,450.00	\$ 200.00

APPLY FOR BUILDING PERMITS FOR ALL CONSTRUCTION AUTHORIZED ON THIS SDP WITHIN 2 YEARS OF ITS APPROVAL.

SHEET INDEX

COVER SHEET
SITE DEVELOPMENT PLAN
SITE DEVELOPMENT PLAN / SITE DETAILS
SEDIMENT & EROSION CONTROL PLAN
SEDIMENT CONTROL NOTES & DETAILS
LANDSCAPE PLAN, NOTES & DETAILS
LANDSCAPE PLAN, NOTES & DETAILS

LOT No. | STREET ADDRESS LOT No. STREET ADDRESS TISO TILGHMAN STREET THE TILGHMAN STREET 7733 T746 7735 T144 T138 7745 T136 7747 100 TT30 T128 7759 102 **T726** 

ADDRESS CHART



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55	770	DB 1									231
WATER E2						SEI		<b>CODE:</b> 5000			
DEVELO MAPLE I			IDE DIS	TRICT - AREA	. 1			T/AREA 'AREA-I	LO 33-59 \$ 87-	5	CENSUS TRACT
PLA 17716, 180 and 188	263	ZONE MXD-3	Į.	TAX MAP	_	RID 16, 21	RID         ELEC. DIST.           6, 2l & 22         5				
				SCA	LE			ZONING		G.	L. W. FILE No.
			AS SHOWN		N MXD-3		3	06013			
			DATE		Medical	TAX MAP - GRID		SHEET			
HOWARD COUNTY, MARYLAND			JAN/07		41		1 OF 7				

# GLWGUTSCHICK LITTLE & WEBER, P.A.

LOT DEVELOPMENT DATA

A. PRESENT ZONING: MXD-3 PER ZB-495M

B. PROPOSED USE OF SITE: 40 SFA RESIDENTIAL DWELLINGS

C. PUBLIC WATER & SEWER TO BE UTILIZED (CONTR.#24-4238-D)

B. AREA OF THIS PLAN SUBMISSION: 2.52± ACRES
C. AREA OF DISTURBANCE BY THIS SDP: 2.61± ACRES

3. LOT DESIGNATION:

LOT TYPE LOT NUMBERS

OTHER CONDITIONS.

TOWNHOUSE 33-55 \$ 87-103

4. STRUCTURE SETBACKS PER F-05-81 AND PLAT 17714

FRONT SETBACK SIDE SETBACK

F PER CONCEPT SITE PLAN APPROVED BY THE PLANNING BOARD

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

PROPERTY LINE CAN BE REDUCED FROM 10' TO 3'.

ON 5/25/06 FOR TOWNHOUSES ON LOTS 87-103, THE MINIMUM REAR

SETBACK FOR THE PRINCIPAL STRUCTURE CAN BE REDUCED FROM 20' TO 14', FOR AN OPEN DECK, THE SETBACK FROM THE REAR

D. PARKING REQUIRED PER Sec. 133. D. 2.a.: 2 SPACES/UNIT x 40 = 80 SPACES

A. AREA OF BUILDABLE LOTS FOR THIS SUBMISSION: 109TT61 SF OR 2521 AC.

(SEE NOTE 21 ABOVE REGARDING PARKING).

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-sfa\06014-CS.dwg | DES. mbt | DRN. klp | CHK. mbt |

DATE REVISION B

BUILDER/LOT OWNER:
MILLER and SMITH at MAPLE LAWN L.L.C.
8401 GREENSBORD DRIVE, SUITE 300
MCLEAN, VIRGINIA 22102
PH: 703-821-2500 x 236
attn.: COLLEEN DWELLEY

ELECTION DISTRICT No. 5

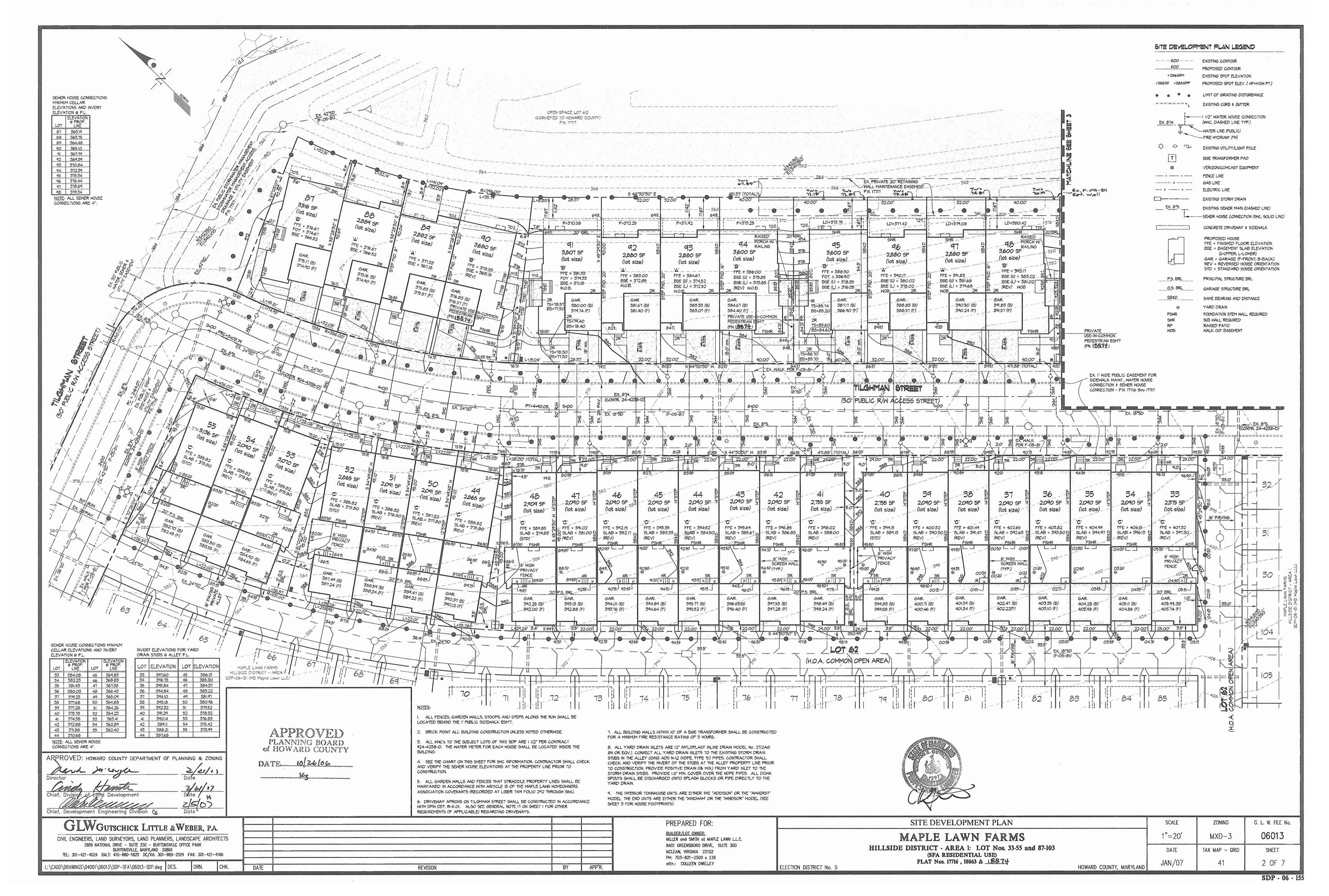
PREPARED FOR:

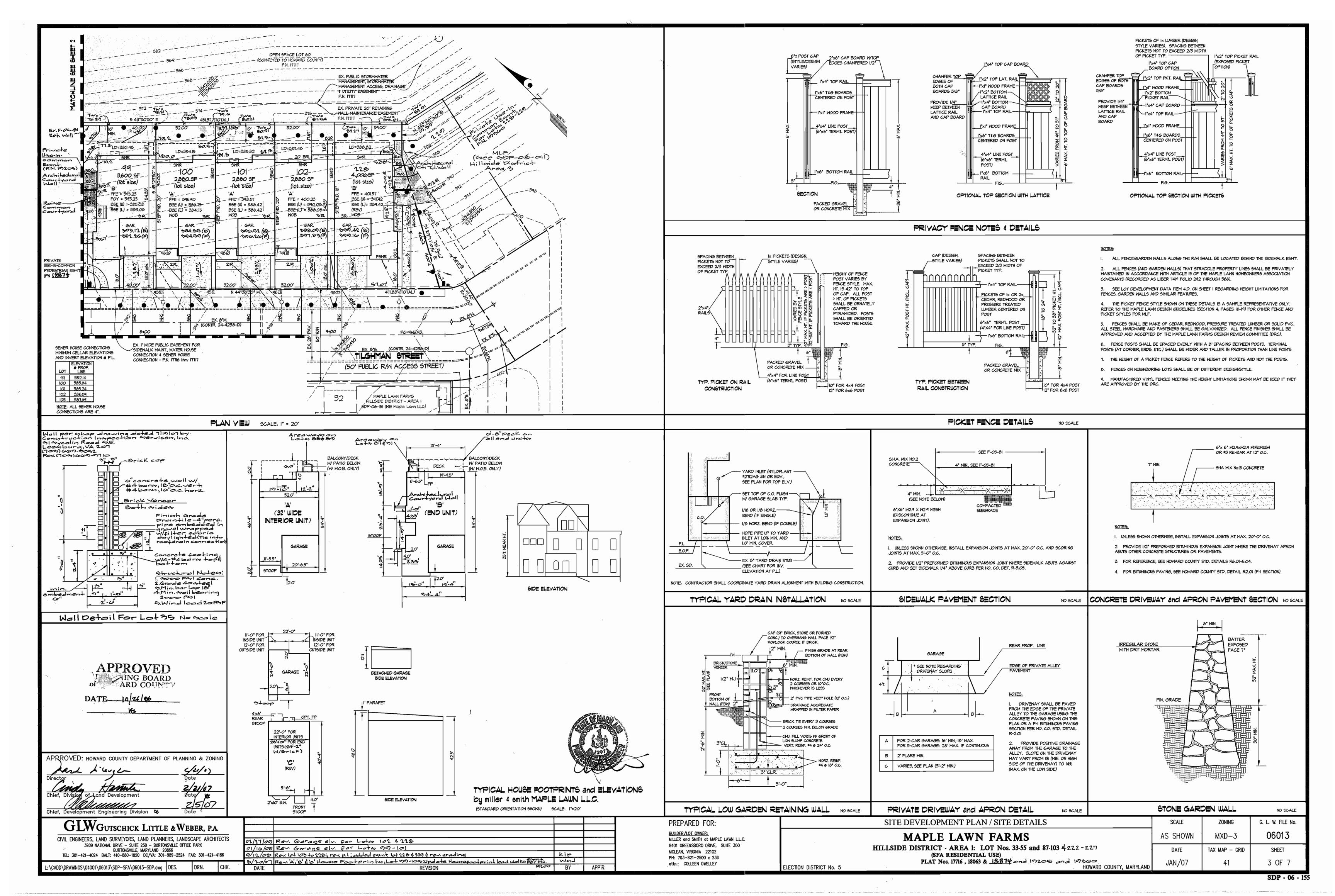
APP'R.

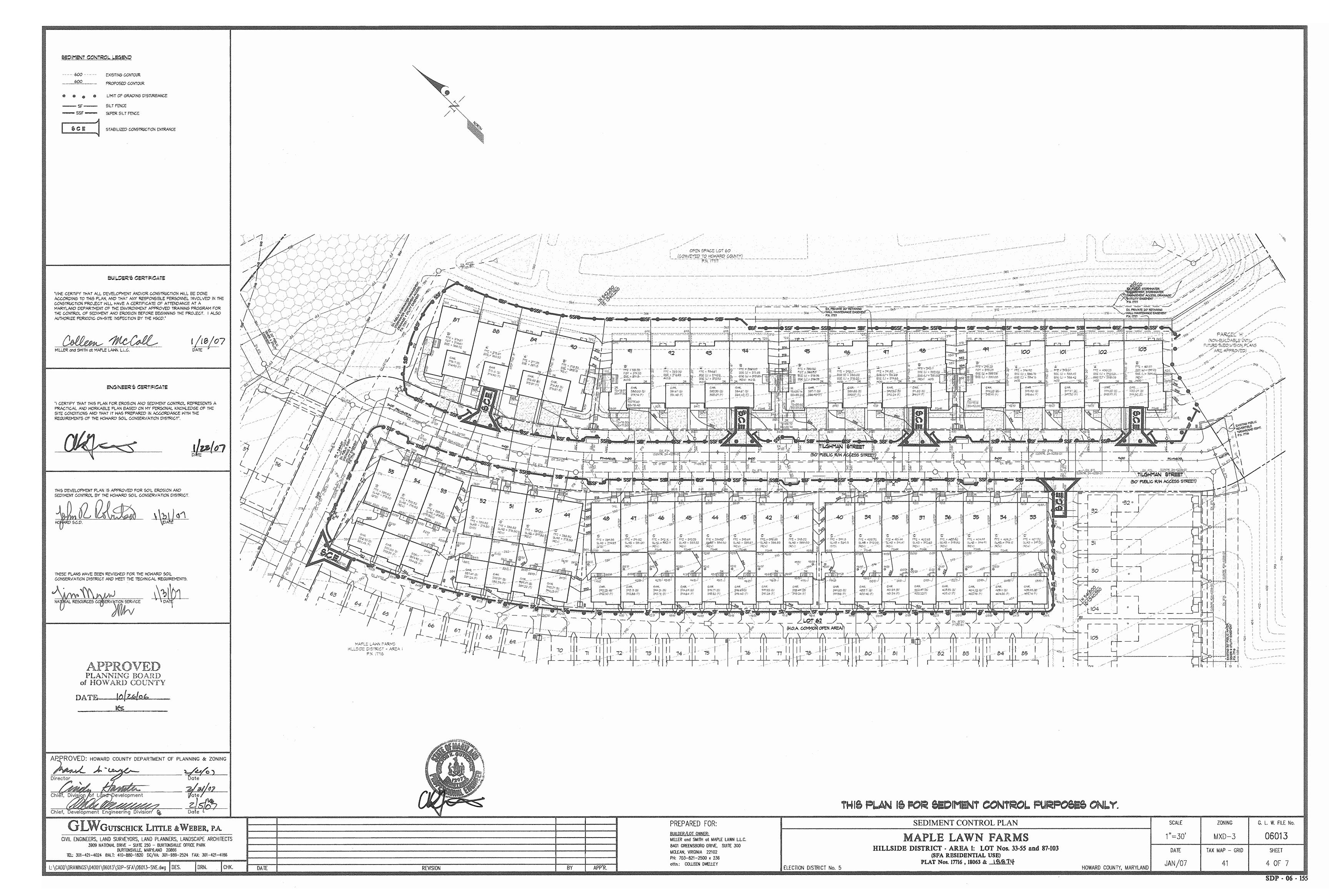
MAPLE LAWN FARMS
HILLSIDE DISTRICT - AREA 1: LOT Nos. 33-55 and 87-103
(SFA RESIDENTIAL USE)
PLAT Nos. 17716, 18063 & 18674

COVER SHEET

SDP - 06 - 1







### 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/BASING 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

7. SITE ANALYSIS: TOTAL AREA OF SITE AREA DISTURBED

: 252± ACRES : 281± ACRES AREA TO BE ROOFED OR PAVED : 1.87± ACRES AREA TO BE VEGETATIVELY STABILIZED : .941 ACRES TOTAL CUT : 1600 CU, YDS. TOTAL FILL : 1600 CU. YDS. OFT-SITE WASTE/BORROW AREA LOCATION: 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.

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 PROSION 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

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



APPROVED PLANNING BOARD of HOWARD COUNTY

**APRROVED:** HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

2/21/07

### SEQUENCE OF CONSTRUCTION

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

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. INSTALL LANDSCAPING.

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 SEDIMENT CONTROL ITEMS.

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

Landscaping). 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

(UNLESS PREVIOUSLY LOOSENED)

1) PRETERRED - APPLY 2 TONG 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 (4 LBS/1000 SQ FT).

2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (42 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 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 (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 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 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).

AS POSSIBLE IN THE SPRING, OR USE SOID.

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 (10 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.

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".

### DEFINITION

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

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

1. 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

II. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:I 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

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, SLAS, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN I 1/2" IN DIAMETER.

IOHNSONGRAGS, 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

III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND

A. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER.

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

2. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 15 PERCENT BY WEIGHT. 3. 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 VESETATIVE STABILIZATION - SECTION I - VESETATIVE STABILIZATION METHODS AND

AS DIVERSION, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND

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

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

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

PERSONS THAT ARE PERMITTED (AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06.

TO MEET THE REQUIREMENTS PRIOR TO USE. 3. COMPOSTED SLIDGE SHALL BE APPLIED AT A RATE OF I TON/1,000 SQUARE FEET.

REFERENCES: GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SODDING. MD-VA PUB. #1,



### STANDARD AND SPECIFICATIONS FOR TOPSOIL

VEGETATION.

### PURPOSE

### CONDITIONS WHERE PRACTICE APPLIES

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.

TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE

B. TOPSOIL MUST BE FREE OF PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS,

TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

A. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 MATERIALS (OR SEE SEEDING NOTES).

IV. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:

AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:

TOPSOIL APPLICATION

WHEN TOPSOILLING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH

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

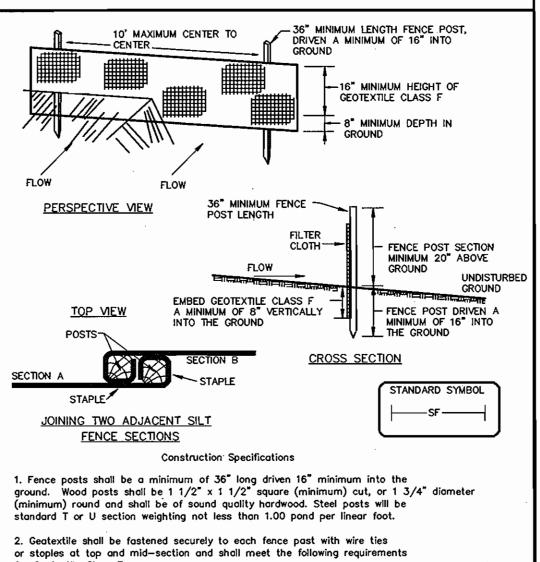
A. COMPOSTED SLUDGE MATERIAL FOR USE AS A SOIL CONDITIONER FOR SITES HAVING

I. COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR

2. COMPOSTED SLUDGE SHALL CONTAIN AT LEAST I PERCENT NITROGEN, 15 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

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.

APP'R.



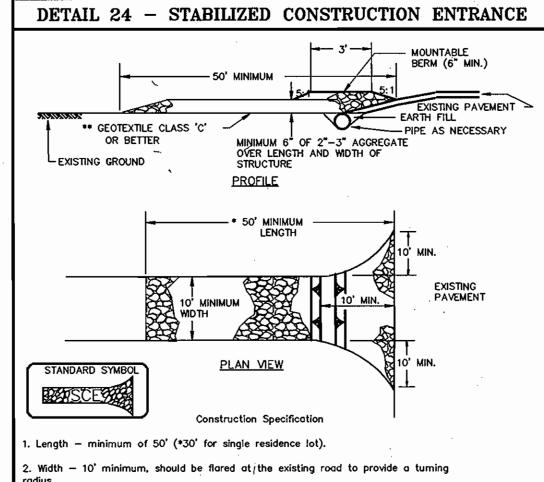
DETAIL 22 - SILT FENCE

for Geotextile Class F: 50 lbs/in (min.) Test: MSMT 509 Tensile Modulus 20 lbs/in (min.) Test: MSMT 509 0.3 gal ft / minute (mox.) Test: MSMT 322 Flow Rate Filtering Efficiency 75% (min.) Test: MSMT 322 3. Where ends of geotextile fabric come together, they shall be overlapped,

folded and stapled to prevent sediment bypass. 4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment occumulation reached 50% of the fabric height. MARYLAND DEPARTMENT OF ENVIRONME U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

WATER MANAGEMENT ADMINISTRATION



5. Geotextile fabric (filter clath) shall be placed over the existing ground prior to placing stone. \*\*The plan approval authority may not require single family 4. Stone — crushed aggregate (2" to 3") ar reclaimed or recycled concrete

equivalent shall be placed at least 6" deep over the length and width of the 5. Surface Water — all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe

installed through the stabilized construction entrance shall be protected with a

mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has

to be sized occording to the drainage. When the SCE is located at a high spot and

has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required. 5. Location - A stabilized construction entrance shall be lacated at every point

where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance. MARYLAND DEPARTMENT OF ENVIRONMEN WATER MANAGEMENT ADMINISTRATION SOIL CONSERVATION SERVICE

# DETAIL 33 - SUPER SILT FENCE NOTE: FENCE POST SPACING SHALL NOT EXCEED 10' CENTER TO CENTER 10' MAXIMUM 21/2" DIAMETER CHAIN LINK FENC OR ALUMINUM WITH 1 LAYER OF CHAIN LINK FENCING -

STANDARD SYMBOI

MARYLAND DEPARTMENT OF ENVIRONM

---- 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

FILTER CLOTH

EMBED FILTER CLOTH 8" \_\_\_\_\_

MINIMUM INTO GROUND

\* IF MULTIPLE LAYERS ARE

REQUIRED TO ATTAIN 42

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

· · · /

2. Choin 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

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: Tensile Strength Test: MSMT 509 Tensile Modulus 20 lbs/in (min.) 0.3 gal/ft /mirrute (max.) Test: MSMT 322 Flow Rate Filtering Efficiency 75% (min.) Test: MSMT 322

This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment. SPECIFICATIONS

### Mulches - See standards for vegetative stabilization with mulches only. Mulch should be crimped or tacked to prevent blowing.

2. Vegetative Cover - See standards for temporary vegetative cover.

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 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.

DUST CONTROL

DEFINITION

Controlling dust blowing and movement on construction sites and roads.

CONDITIONS WHERE PRACTICE APPLIES

To prevent blowing and movement of dust from exposed soil surfaces,

reduce on and off-site damage, health hazards, and improve traffic safety.

4. Irrigation - This is generally done as an emergency treatment. Site is sprinkled with water until the surface 19 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 blowing. 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.

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

Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.

2. Agriculture Information Bulletin 354. How to Control Wind Erosion, USDA\_ARS.

# THIS PLAN IS FOR SEDIMENT AND EROSION CONTROL PURPOSES ONLY.

MAPLE LAWN FARMS HILLSIDE DISTRICT - AREA 1: LOT Nos. 33-55 and 87-103 (SFA RESIDENTIAL USE)

SEDIMENT CONTROL NOTES & DETAILS 06013 AS SHOWN MXD-3TAX MAP - GRID SHEET DATE 5 OF 7 HOWARD COUNTY, MARYLAND

SCALE

ZONING

SDP - 06 - 15

G. L. W. FILE No.

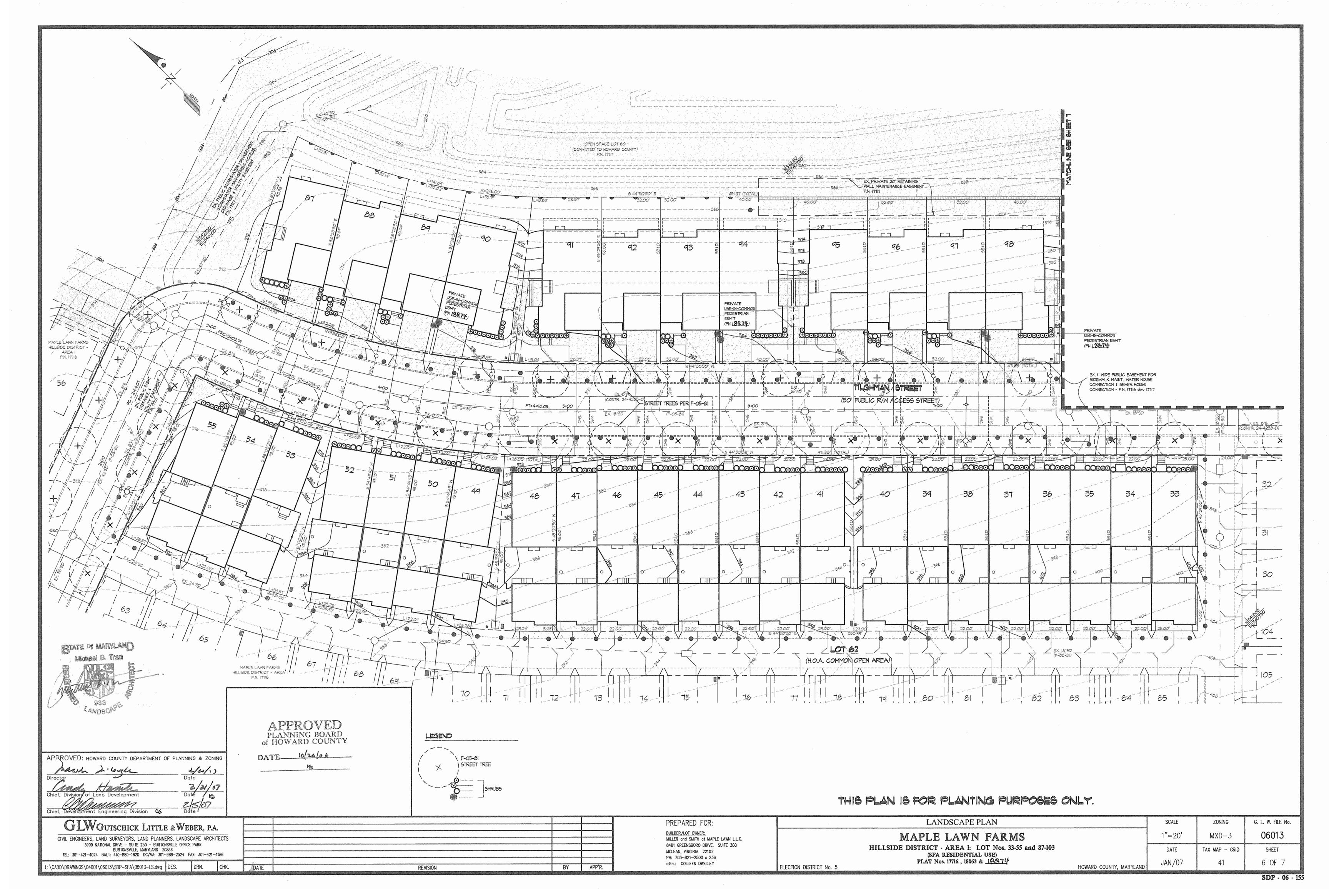
GLWGUTSCHICK LITTLE &WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

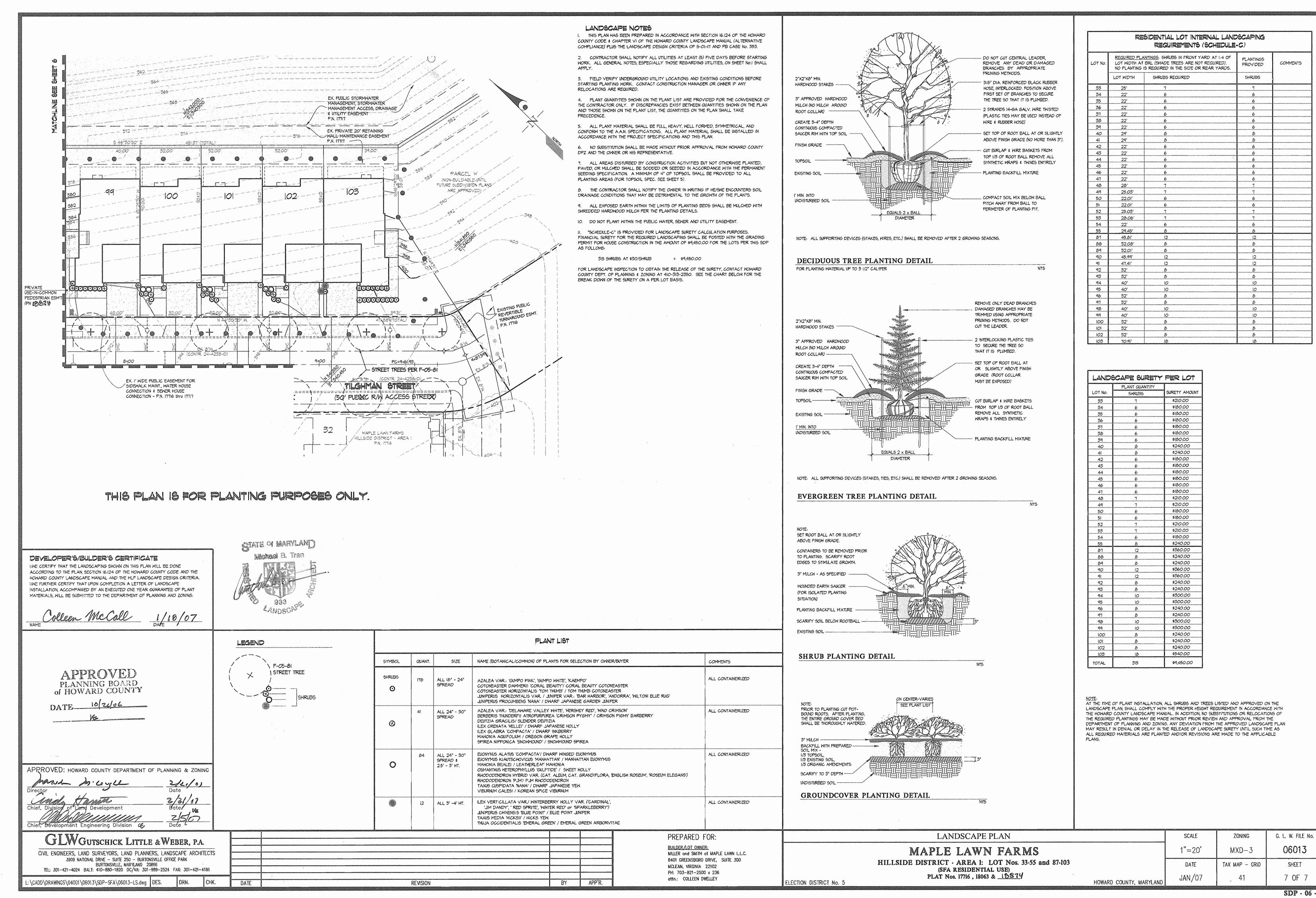
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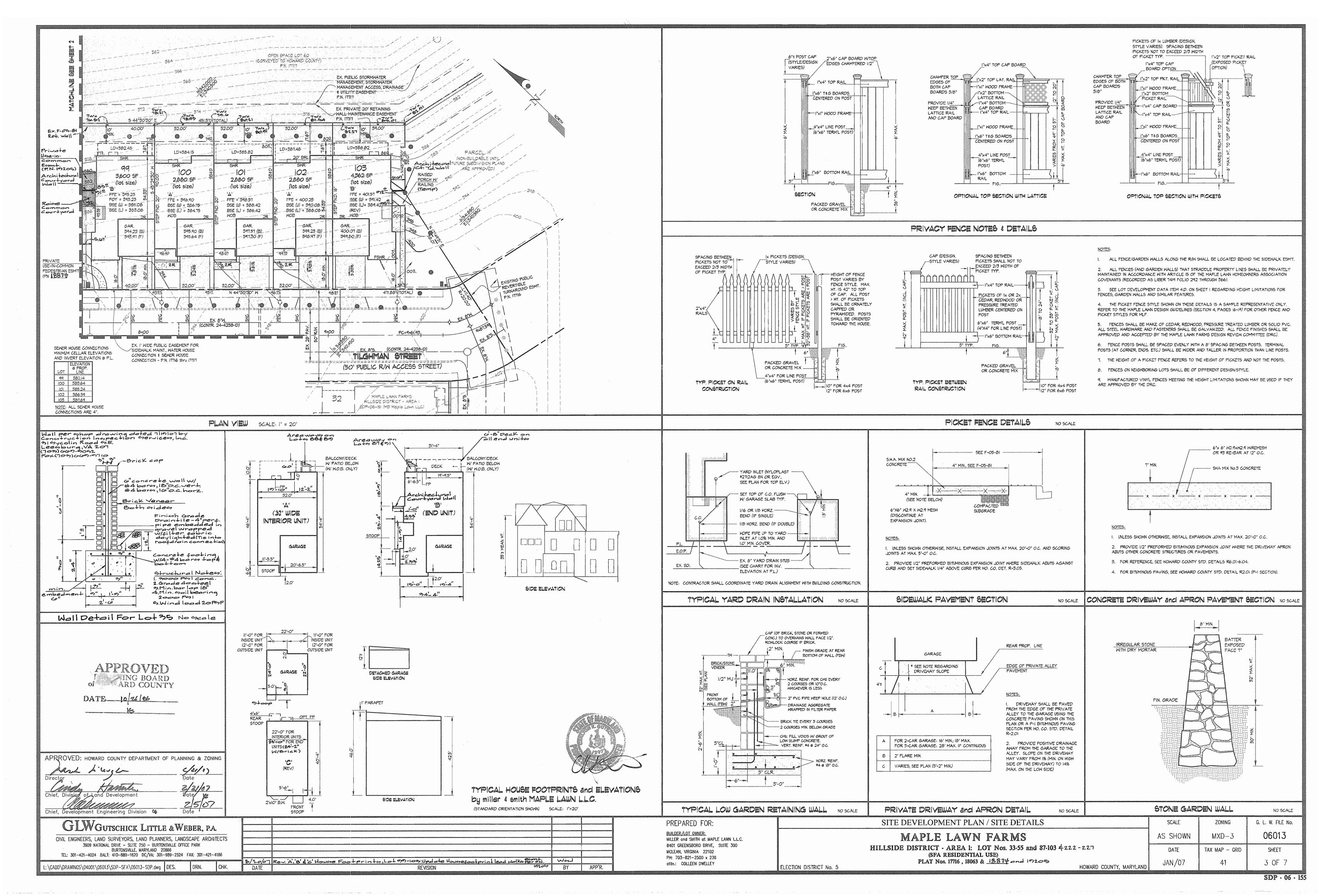
PREPARED FOR: BUILDER/LOT OWNER: MILLER and SMITH at MAPLE LAWN L.L.C. 8401 GREENSBORO DRIVE, SUITE 300 MCLEAN, VIRGINIA 22102 PH: 703-821-2500 x 236

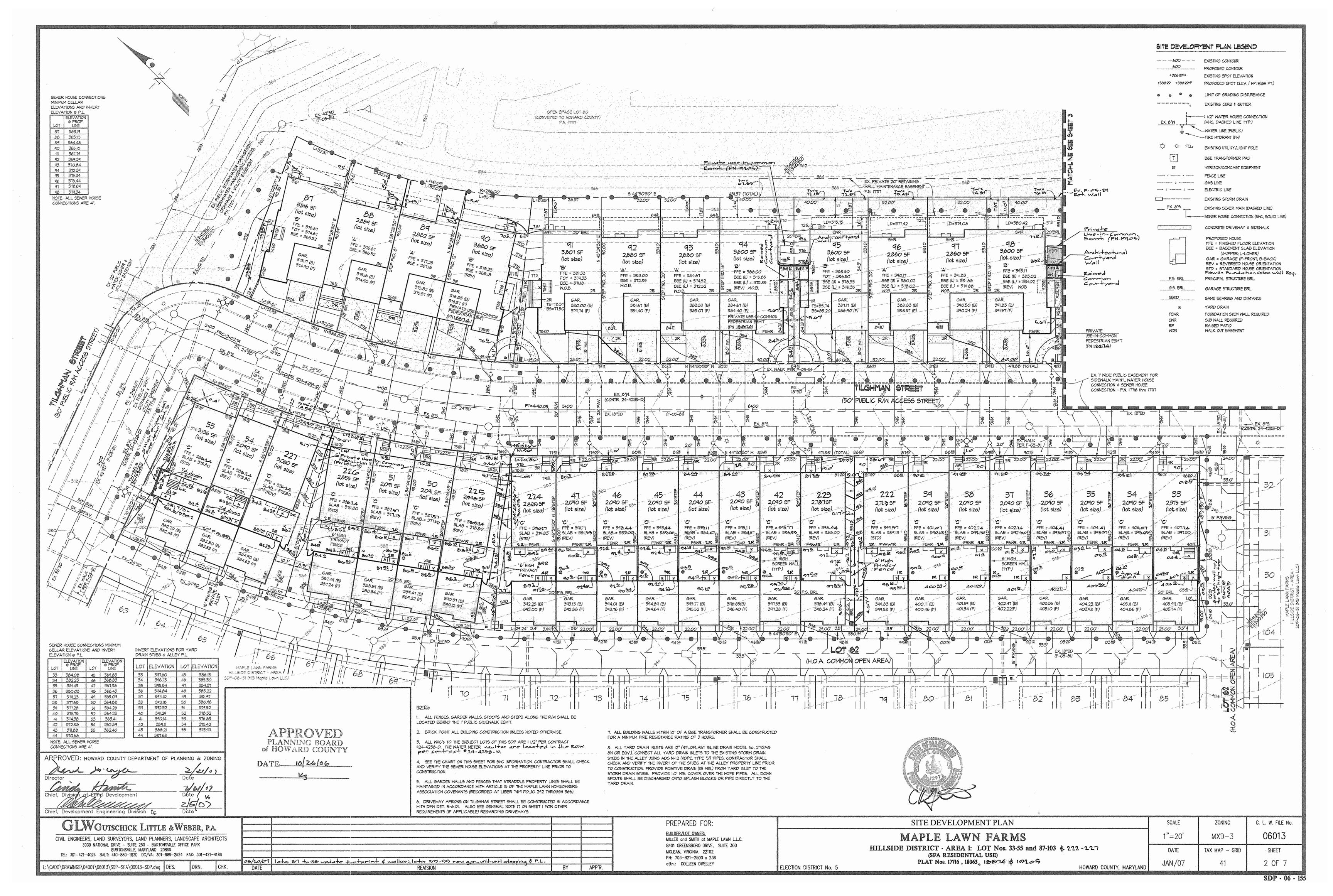
attn.: COLLEEN DWELLEY

PLAT Nos. 17716, 18063 & 18874 ELECTION DISTRICT No. 5









# GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- 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.
- 3. 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: 4
- ZONING: MXD-3 PER ZB-995M (APPROVED ON 02-08-01), UNDERLYING ZONING IS RR-DEO PER THE 2/02/04 COMPREHENSIVE ZONING PLAN.
- AREA OF BUILDABLE LOTS (Nos. 33-55 & 87-103) FOR THIS SITE DEVELOPMENT PLAN: 2.52± ACRES. FOR OTHER SUBMISSIONS RELATED TO THIS SITE, SEE HOWARD COUNTY DEPT. OF PLANNING & ZONING FILE Nos.: S-01-17, ZB-995M, PB-353,
- MP-01-III, MP-03-02, P-03-01, F-03-90, P-04-01, F-04-92, 5DP-04-82/112/12/ (MIDTOWN AREA-I SDP's), SDP-05-62/65/66/115/116/155/156 (MIDTOWN AREA-2 SPD's), F-05-81 (Plat 1716), F-05-82, P-05-02, F-05-134, F-05-134, F-06-43 (Plat 18063), F-06-219 AND F-07-112 (P.N. 18674), F-07-210
- 5. 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.
- 6. 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.
- 7. EXISTING TOPOGRAPHY AND FEATURES COMPILED FROM F-05-81 and GLW SURVEY IN MARCH 2006.
- 6. COORDINATES ARE BASED ON NADIS MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NUMBERS 4IEA \$ 46B2
- 9. STORMWATER MANAGEMENT, FOR BOTH QUALITY (WQV) AND QUANTITY (CPV) HAS BEEN SATISFIED BY A REGIONAL FACILITY CONSTRUCTED UNDER F-05-81 ON OPEN SPACE LOT 60. THE POND WILL BE PUBLICLY OWNED AND MAINTAINED.
- IO. PUBLIC WATER AND SEMER SHALL BE UTILIZED (AS PROVIDED BY WAS CONTRACT NO. 24-4238-D). WATER METERS ARE LOCATED IN THE METER VAULTS WITHIN THE PUBLIC ROAD RIGHT OF WAY, SEWER HOUSE CONNECTION (SHC) ELEVATIONS ARE SHOWN ARE AT THE PROPERTY LINE...
- 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. 12. ALL ROADS LABELED AS "PUBLIC" ARE PUBLICLY MAINTAINED ONCE THEY ARE DEDICATED. ALL ROADS LABELED AS "PRIVATE" ARE PRIVATELY MAINTAINED
- BY A HOMEOWNER ASSOCIATION. FOR DRIVEWAY ENTRANCE WITHIN THE PUBLIC ROADWAYS, SEE HOWARD COUNTY DPW STD. R-6.01.
- 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 (Nos. 137-144 AND 169-179) SHOWN ON THIS SITE DEVELOPMENT PLAN. ELSEWHERE WITHIN THE MIDTOWN 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-06-43.
- 16. FINANCIAL SURETY (\$9,450.00) 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 SHEET 1 AND THE GRADING FERMIT CHART ON SHEET I
- 17. 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/(14" 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.
- 18. PUBLIC REFUSE PICKUP IS PROVIDED IN THE ALLEY.
- 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-01-17 APPROVAL PRIOR TO 11-15-01, THIS PROJECT IS GRANDFATHERED TO THE FOURTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- 21. 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 183 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 100 YEAR FLOODPLAN. 23. ON 10/26/06, THE HOWARD COUNTY PLANNING BOARD APPROVED THIS SDP WITH THE FOLLOWING REQUESTED SETBACK REDUCTIONS:
- 1) FROM A 20' REAR SETBACK TO A MINIMUM OF 15' FOR THE PRINCIPAL STRUCTURES AND DECKS FROM 10' MINIMUM TO 8.9' LOCATED ON LOTS 81 THRU 103, AND 2) FROM A 10' MINIMUM SIDE TO SIDE SETBACK TO 66' FOR THE UNITS LOCATED ON LOTS 48, 49, 52 AND 53 AS REQUIRED BY THE MLF DEVELOPMENT CRITERIA.

# LOT DEVELOPMENT DATA

- GENERAL SITE ANALYSIS DATA
- A. PRESENT ZONING: MXD-3 PER ZB-995M B. PROPOSED USE OF SITE: 40 SFA RESIDENTIAL DWELLINGS
- PUBLIC WATER & SEWER TO BE UTILIZED (CONTR.#24-4238-D) D. PARKING REQUIRED PER Sec. 133.D.2.a.: 2 SPACES/UNIT x 40 = 80 SPACES
- PARKING PROVIDED: 80 GARAGE SPACES (ALL LOTS HAVE A 2-CAR GARAGE) + 34 DRIVENAY SPACES (FOR LOTS 87-108) = 114 SPACES TOTAL. (SEE NOTE 2) ABOVE REGARDING PARKING).
- E. RECREATION OPEN SPACE FOR THIS SDP IS ADDRESSED UNDER F-05-81 (SEE OVERALL OPEN SPACE PROVISION CHART ON THIS SHEET)
- 2. AREA TABULATION A. AREA OF EVILDABLE LOTS FOR THIS SUBMISSION: 109TT6\$ SF OR 252\$ AC.
- B. AREA OF THIS PLAN SUBMISSION: 2.52± ACRES
- C. AREA OF DISTURBANCE BY THIS SDP: 2.011 ACRES
- 3. LOT DESIGNATION

LOT TYPE	LOT NUMBERS	MINIMUM LOT SIZE	MIN. LOT WIDTH AT FROM BRL	MAX, BUILDING HT.
		A Contractive on the contractive description of the contractiv	The second secon	
TOWNHOUSE	33-55 & 87-103 4 222 - 227	N/A	ÑΑ	50' (MEAN HT.)
	4222-227	erspaps ikoneak jihkun selak papin ken planniiya kompens elekteriyiya ole mapopih emaktik pilak olimayyak, mojaji seperimmin		www.committee.com/com/com/com/committee.com/com/committee.com/com/com/com/com/com/com/com/com/com/

# 4. STRUCTURE SETBACKS PER F-05-81 AND PLAT 17114 & 00-00-16

LOT TYPE FRONT SETBACK SIDE SETBACK MINIMUM REAR SETBACKS \*

TOWNHOUSE 20' TO PRINCIPAL STRUCTURE. 3' FOR REAR (DETACH/ATTACH) GARAGE OR TO ACCESSORY STRUCTURES.

- A. BETWEEN SFA BUILDINGS, THE MINIMUM SETBACK DISTANCES SHALL BE 30' FRONT TO FRONT, 50' BACK TO BACK, 50' BACK TO FRONT AND 6' FOR ALL
- \*B. OPEN DECKS MUST BE A MINIMUM OF 10' 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 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 72" ALONG THE SIDE AND REAR PROPERTY LINES.

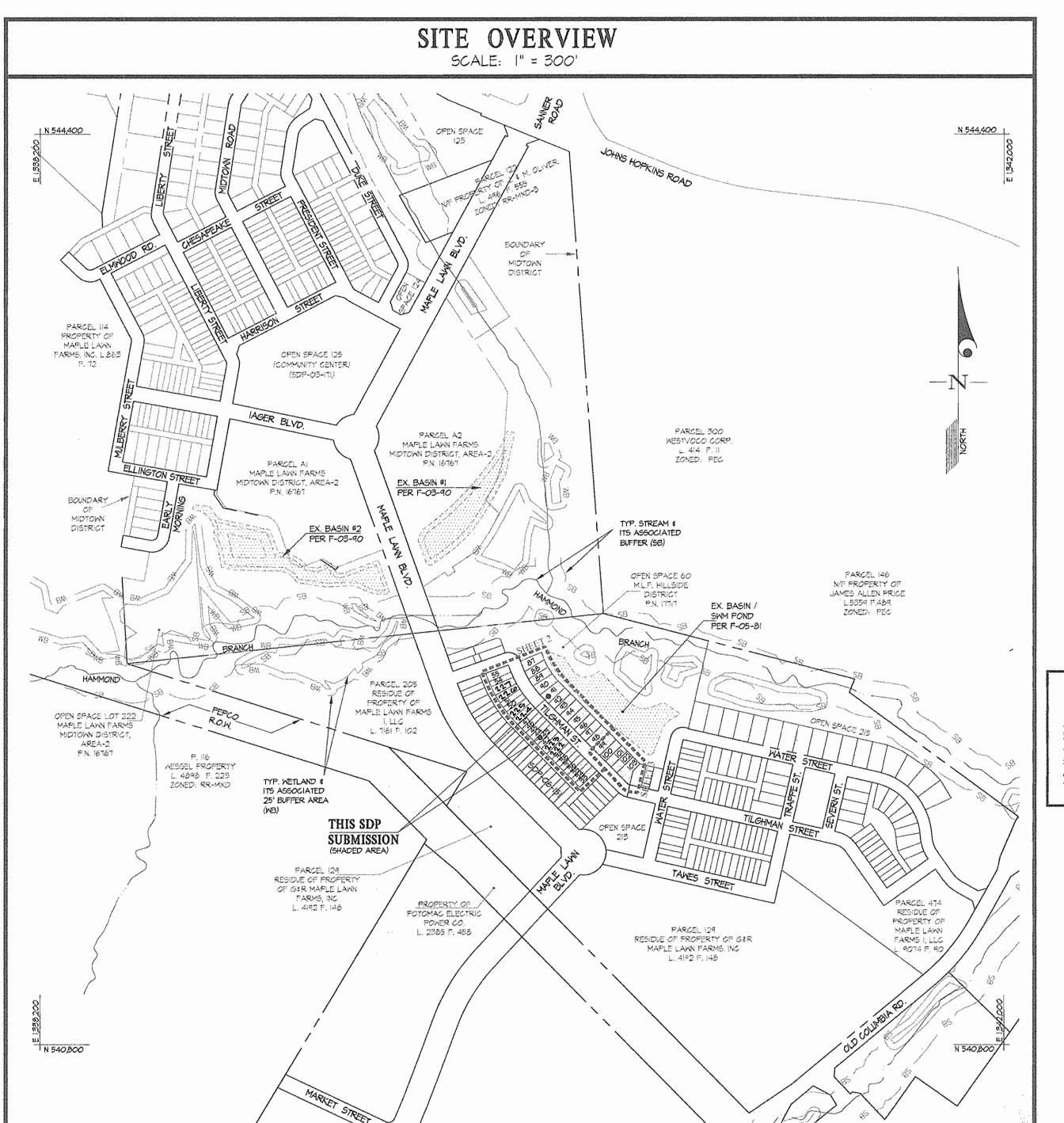
\* PER CONCEPT SITE PLAN APPROVED BY THE PLANNING BOARD ON 5/25/06 FOR TOWNHOUSES ON LOTS 87-103, THE MINIMUM REAR SETBACK FOR THE PRINCIPAL STRUCTURE CAN BE REDUCED FROM 20' TO 14', FOR AN OPEN DECK, THE SETBACK FROM THE REAR PROPERTY LINE CAN BE REDUCED FROM 10' TO 3'.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

PLANNING BOARD
O. HOWARD COUNTY

# MAPLE LAWN FARMS SITE DEVELOPMENT PLAN

HILLSIDE DISTRICT -- AREA 1 LOTS 33-55, 87-103 and 222-227 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

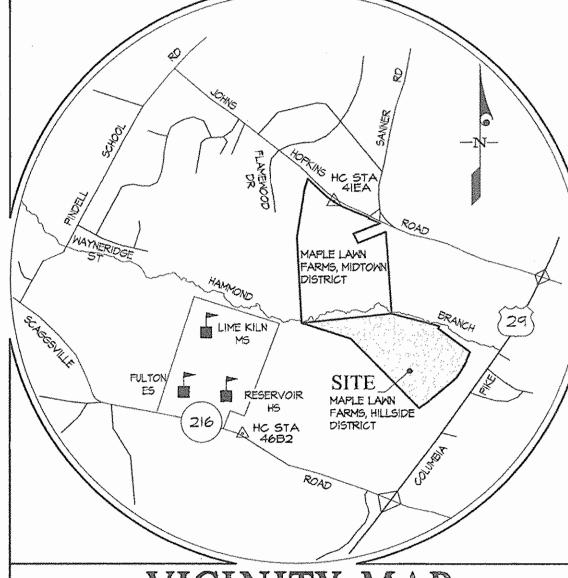


### HOWARD COUNTY CONTROL

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)	APPROVED DPZ FILE No.	PHASE AREA GROSS ACREAGE	REGIURED OPEN SPACE (35% OF GROSS AC.)	OPEN SPACE PROVIDED IN AC. (%) *	REQUIRED ACTIVE OPEN SPACE IN AC.**	ACTIVE RECREATION O.S. PROVIDED IN AC. (%) ***
1 (BUSINESS DISTRICT, AREA-I)	F-03-01	51.98	18.19	21,15 (40.7)	1.82	-10 fysiolainuksi († 14 dillin 1554 franksjali trygi of projektion fram
2 (MIDTOWN DISTRICT, AREA-I)	F-03-90	31.43	13.10	(5,75 (42.1)	[3]	7.52 (47.7) ①
3 (MIDTOWN DISTRICT, AREA-2)	F-04-92	58.80	2058	22.85 (38.4)	2.06	profe de Jacob (1985)
4a (HILLSIDE DISTRICT, AREA-1)	F-05-8	15.47	5.41	6.70 (43.3)	0.54	0.29 (4.3) @
4b (MIDTOWN DISTRICT, AREA-3)	F-05-139	0.00	0.00	0.00	0.00	
4c (BUSINESS DISTRICT, AREA-2/ HILLSIDE DISTRICT, AREA-2)	F-05-112/113	3.00	1,05	0,00	0.10	Little of Cartifolds and the Colombia Washington
5a (HILLSIDE DISTRICT, AREA-I)	F-06-43	0.00	0.00	0.00	0.00	
TOTAL		166.68	58.33	66.45 (399)	5.83	7.81 (11.8)

- \* 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).
- (i) 7.52 AC. = COMMU ITY 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
- 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 SET UP TO ALLOW MULTIPLE GRADING PERMITS, IN ACCORDANCE WITH APPLICABLE POLICY FOR MLF.

33-55, **111-117** 1.45 AC

87-103 1.36 AC \$ 4,980,00 \$ 100,00 \$ 9,450.00 \$ 200.00 TOTAL 281 AC

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 2 YEARS OF ITS APPROVAL.

LOT No. STREET ADDRESS

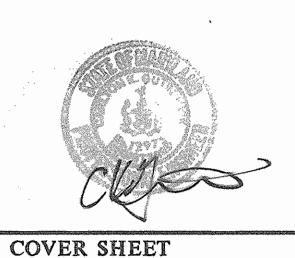
### SHEET INDEX COVER SHEET SITE DEVELOPMENT PLAN

SITE DEVELOPMENT PLAN / SITE DETAILS SEDIMENT & EROSION CONTROL PLAN SEDIMENT CONTROL NOTES & DETAILS LANDSCAPE PLAN, NOTES & DETAILS LANDSCAPE PLAN, NOTES & DETAILS

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ADDRESS CHART

LOT No. STREET ADDRESS



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

Chief, Development Engineering Division &

GLWGUTSCHICK LITTLE & WEBER, P.A.				
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS			S	
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866			/ Miles	
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186	000 /0 0/-	rev. title block info.		
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PREPARED FOR: BUILDER/LOT OWNER: MILLER and SMITH at MAPLE LAWN L.L.C. 8401 GREENSBORO DRIVE, SUITE 300 MCLEAN, VIRGINIA 22102 PH: 703-821-2500 x 236 attn.: COLLEEN DWELLEY

ELECTION DISTRICT No. 5

MAPLE LAWN FARMS HILLSIDE DISTRICT - AREA 1: LOT Nos. 33-55、 67-109 を 222-227 (SFA RESIDENTIAL USE) PLAT Nos. 17716, 18063, 18874 & 10205

AS SHOWN TAX MAP - GRID 1 OF 7 HOWARD COUNTY, MARYLAND

