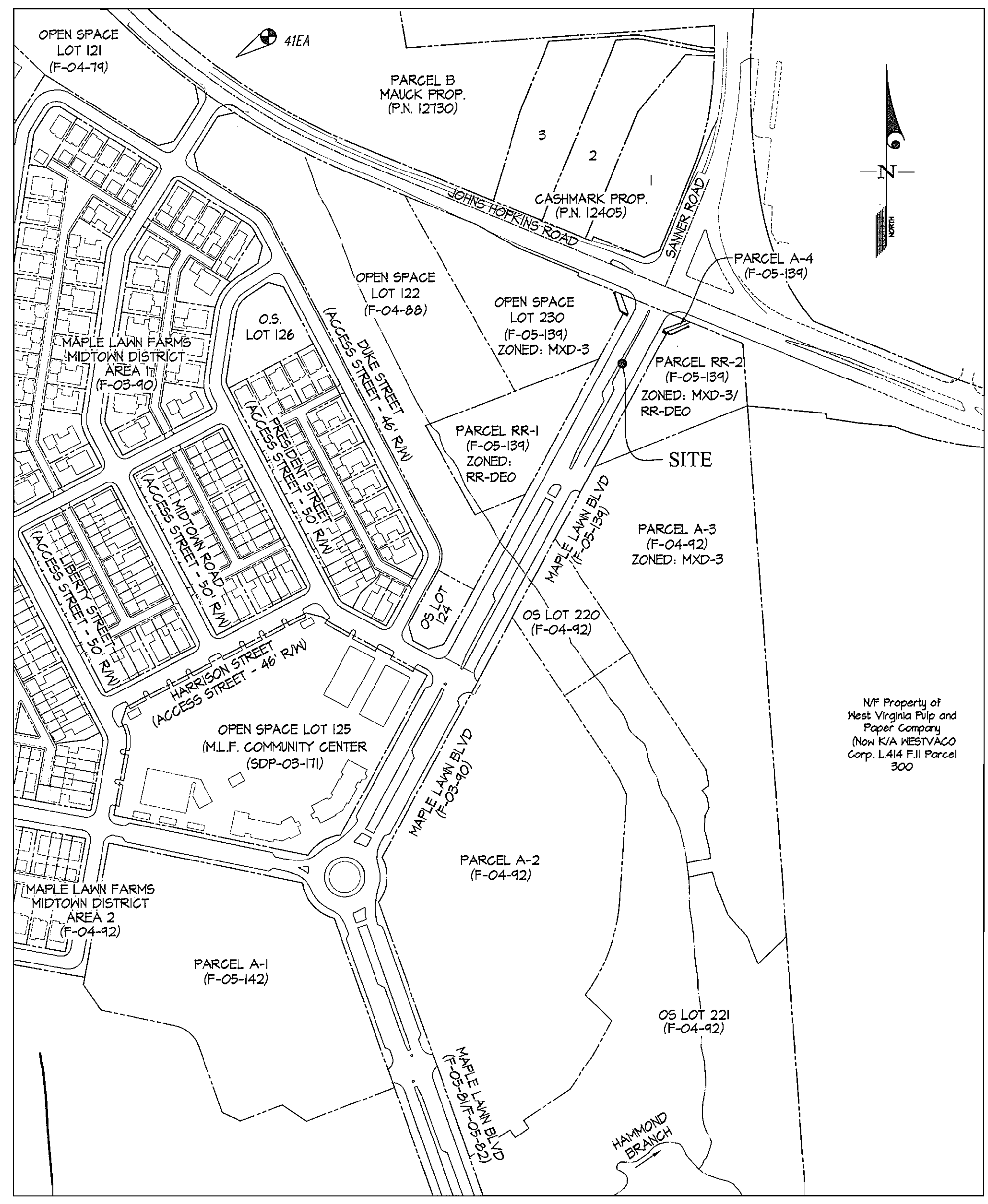


- GENERAL NOTES**
- THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.
  - PROJECT BACKGROUND:**  
LOCATION: JOHNS HOPKINS ROAD  
TAX MAP: 41/BLOCKS 16  
ZONING: MXD-3  
ELECTION DISTRICT: 5  
GROSS AREA OF TRACT: 507.9 ACRES  
AREA OF SUBMISSION: 0.29 ACRES
  - SEE DEPARTMENT OF PLANNING & ZONING FILE NUMBERS: S-01-17, ZB-995M, PB-353, MP-01-11, MP-02-54, MP-03-02, P-03-01, P-04-01, SP-05-03, F-03-40, F-04-42, F-04-19, F-04-88, F-05-134, F-01-06, SDP-03-140, SDP-04-44, AND SDP-01-02.
  - THE PROPERTY AT THE INTERSECTION OF JOHNS HOPKINS ROAD AND MIDTOWN ROAD WAS BROUGHT INTO THE METROPOLITAN DISTRICT ON AUGUST 12, 2002.
  - ALL ROADS IN THIS DEVELOPMENT ARE PUBLIC.
  - DEVELOPMENT FOR THIS PROJECT WILL BE DONE IN ACCORDANCE WITH THE COMPREHENSIVE DEVELOPMENT CRITERIA APPROVED WITH S-01-17 AND PB-353.
  - ALL PLAN DIMENSIONS ARE TO FACE OF BUILDING OR FACE OF CURB UNLESS OTHERWISE NOTED. DIMENSIONS ARE MEASURED PERPENDICULAR OR RADIIALLY BETWEEN ITEMS UNLESS OTHERWISE NOTED.
  - THE TOPOGRAPHY SHOWN WAS TAKEN FROM AERIAL TOPOGRAPHY PREPARED DURING MARCH 1997 BY SDI, FIELD RUN SURVEY INFORMATION BY GUTSCHICK, LITTLE AND WEBER, P.A., AND DESIGN GRADES FROM CONSTRUCTION PLANS.
  - HORIZONTAL AND VERTICAL CONTROL BASED ON HOWARD COUNTY CONTROL STATIONS 41EA & 41EB.
  - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
  - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS /DIVISION OF CONSTRUCTION INSPECTION AT (410) 313 - 1880 AT LEAST FIVE (5) DAYS PRIOR TO THE START OF WORK.
  - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THE PLANS:  
MISS UTILITY 1-800-251-TTTT  
VERIZON 1-800-446-5266  
HOWARD COUNTY BUREAU OF UTILITIES 410-313-4900  
AT&T CABLE LOCATION DIVISION 343-3553  
BALTIMORE GAS & ELECTRIC CO. 410-850-4620 & 410-781-9068
  - ZONING: THE SITE IS BEING DEVELOPED UNDER MXD-3 REGULATIONS PER ZB-995M WHICH WAS APPROVED ON 2/8/01 AND THE 2/02/04 COMPREHENSIVE ZONING PLAN. THE UNDERLYING ZONING IS RR-DEO.
  - THE CEMETERY INVENTORY MAPS DO NOT SHOW ANY CEMETERIES WITHIN THE PROJECT LIMITS.
  - THE SCENIC ROADS MAP DOES NOT INDICATE ANY SCENIC ROADS WITHIN OR ADJACENT TO THE PROJECT LIMITS.
  - STORMWATER MANAGEMENT IS PROVIDED IN REGIONAL FACILITIES APPROVED AND CONSTRUCTED UNDER F-03-40 AND F-05-134.
  - SOILS DATA WAS TAKEN FROM THE SOIL SURVEY OF HOWARD COUNTY, MARYLAND ISSUED JULY 1969.
  - BOUNDARY INFORMATION SHOWN IS BASED UPON A FIELD SURVEY PREPARED BY GUTSCHICK, LITTLE, AND WEBER, P.A. ON OR ABOUT JUNE, 2001.
  - THERE ARE NO WETLANDS OR WETLAND BUFFERS WITHIN THE LIMITS OF DISTURBANCE.
  - THERE IS NO 100-YEAR FLOODPLAIN WITHIN THE LIMITS OF DISTURBANCE.
  - EXISTING UTILITIES WERE TAKEN FROM AVAILABLE HOWARD COUNTY RECORDS.  
WATER: CONTRACT No. 44-4264-D
  - THERE ARE NO STREAMS OR STREAM BUFFERS WITHIN THE LIMITS OF DISTURBANCE.
  - AS A CONSEQUENCE OF THE SKETCH PLAN APPROVAL PRIOR TO NOVEMBER 15, 2001, THIS PROJECT IS GRANDFATHERED TO THE FOURTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
  - PHASING FOR THIS PROJECT IS IN ACCORDANCE WITH THE DECISION AND ORDER FOR ZONING BOARD CASE NO. ZB-995M AND THE DECISION AND ORDER FOR PB CASE NO. 353 (COMPREHENSIVE SKETCH PLAN, S-01-17).
  - MINIMUM BUILDING SETBACK RESTRICTIONS FROM MAPLE LAWN BOULEVARD, JOHNS HOPKINS ROAD, AND THE PROJECT BOUNDARY WILL BE IN ACCORDANCE WITH THE COMPREHENSIVE DEVELOPMENT CRITERIA APPROVED UNDER S-01-17.
  - FOREST CONSERVATION FOR THE IMPROVEMENTS SHOWN WAS COVERED UNDER F-03-40. THE FOREST CONSERVATION EASEMENTS ON OPEN SPACE LOT 121 WAS AMENDED UNDER F-04-19. THE FOREST CONSERVATION EASEMENTS ON OPEN SPACE LOT 230 WAS AMENDED UNDER F-05-134.
  - CONTRACTOR SHALL MAKE FINISHED GRADE ADJUSTMENTS IMMEDIATELY ADJACENT TO THE WALL TO PROMOTE POSITIVE DRAINAGE AWAY FROM THE WALLS.
  - ALL PORTIONS OF THE FENCE AND WALL (I.E. PIERS, FOUNDATIONS, AND LIGHTING) MUST BE OUTSIDE OF THE JOHNS HOPKINS ROAD AND MAPLE LAWN BOULEVARD RIGHT-OF-WAYS.
  - THE FINAL LOCATION OF THE LANDSCAPING WILL BE DETERMINED IN THE FIELD PRIOR TO PLANTING. THE COORDINATION OF TREE SIGN AND LIGHT LOCATIONS NEED TO BE FIELD REVIEWED PRIOR TO THE INSTALLATION TO INSURE THE SAFETY OF THE DRIVER AND PEDESTRIANS. CONTACT HOWARD COUNTY TRAFFIC (410-313-5152) PRIOR TO THE INSTALLATION OF THE TREES, SIGNS OR LIGHTS.
  - THERE IS NO LANDSCAPE SURETY REQUIRED FOR THIS ENTRANCE FEATURE LANDSCAPE PLANTING.
  - ON 9/14/06 THE HOWARD COUNTY PLANNING BOARD APPROVED THIS SDP WITH THE REQUESTED SETBACK REDUCTIONS OF 10' FROM A RIGHT-ON-WAY OR PROPERTY LINE AS REQUIRED BY THE MLF DEVELOPMENT CRITERIA AS SHOWN ON THIS SDP.

# SITE DEVELOPMENT PLAN

## MAPLE LAWN FARMS

### JOHNS HOPKINS ROAD & MAPLE LAWN BOULEVARD ENTRANCE FEATURES



**JOHNS HOPKINS ROAD ENTRANCE**  
SCALE: 1"=200'

**SITE ANALYSIS**

TOTAL PROJECT AREA: 507.9 ACRES  
TOTAL AREA OF PLAN SUBMISSION: 0.29 ACRES  
LIMIT OF DISTURBED AREA: 0.29 ACRES  
ZONING: MXD-3/RR-DEO  
EXISTING LAND USE: FARMLAND  
PROPOSED LAND USE: ENTRANCE MONUMENT

- SHEET INDEX**
- COVER SHEET
  - SITE DEVELOPMENT PLAN (1"=10')
  - LANDSCAPE PLAN (1"=10')
  - LANDSCAPE PLAN (1"=30')
  - SITE DETAILS
  - LANDSCAPE DETAILS
  - LANDSCAPE NOTES AND PLANT LISTS
  - SEDIMENT CONTROL NOTES AND DETAILS

**APPROVED**  
PLANNING BOARD  
of HOWARD COUNTY

DATE: 9-14-06  
ME

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Director: *Steph Lafferty* Date: 11/15/06  
Chief, Division of Land Development: *Candy Hamant* Date: 11/19/06  
Chief, Development Engineering Division: *William...* Date: 11/20/06

300 EAST PRATT STREET  
14<sup>TH</sup> FLOOR  
BALTIMORE, MARYLAND 21202  
Telephone 410.685.6655  
Fax 410.539.1274  
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THE PURPOSE OF THIS PLAN IS FOR THE CONSTRUCTION OF ENTRANCE FEATURES AT THE INTERSECTION OF JOHNS HOPKINS ROAD AND MAPLE LAWN BOULEVARD.

OPEN SPACE LOT 230 ARE PART OF F-03-090.  
PARCELS A-4 & RR-2 ARE PART OF F-05-134.

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
O.S. LOTS 230	1400 MAPLE LAWN BOULEVARD MAPLE LAWN, MARYLAND 20701
PAR A-4 & RR-2	1701 MAPLE LAWN BOULEVARD MAPLE LAWN, MARYLAND 20701

SUBDIVISION NAME:	SECTION/AREA	PARCEL
MAPLE LAWN FARMS	MIDTOWN - AREA 1	PARCELS A-4RR-2

PLAT/L.F.	GRID	ZONE	TAX MAP	ELEC. DIST.	CENSUS TRACT
1743B-17440	16	MXD-3	41	5	605102

**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: 410-680-1820 DC/VA: 301-999-2524 FAX: 301-421-4186

DES. DEV.	DRN. AML	CHK. DEV.	DATE	REVISION	BY	APPR.

PREPARED FOR:  
C&R MAPLE LAWN INC.  
SUITE 300 WOODHOLME CENTER  
1829 REISTERSTOWN ROAD  
BALTIMORE, MD 21208  
ATTN: CHARLIE O'DONOVAN  
410-484-8400

**COVER SHEET**

**MAPLE LAWN FARMS**  
**JOHNS HOPKINS ROAD/MAPLE LAWN BLVD ENTRANCE**  
OPEN SPACE LOT 230, PARCEL A-4, & PARCEL RR-2

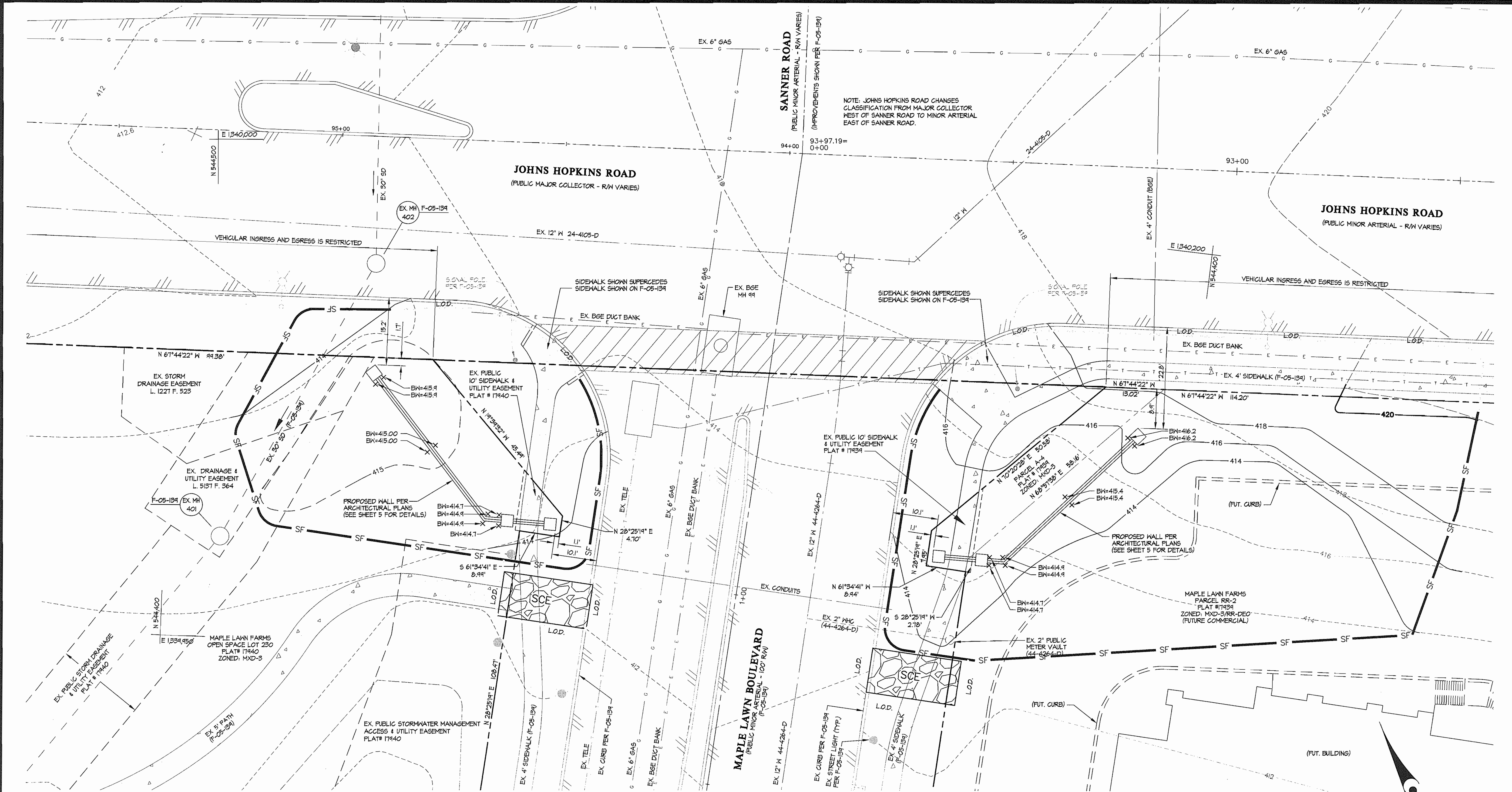
ELECTION DISTRICT No. 5

SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	MXD-3	04001B
DATE	TAX MAP - GRID	SHEET
OCT., 2006	41-16	1 OF 8

HOWARD COUNTY, MARYLAND

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NOTE: JOHNS HOPKINS ROAD CHANGES CLASSIFICATION FROM MAJOR COLLECTOR WEST OF SANNER ROAD TO MINOR ARTERIAL EAST OF SANNER ROAD.

VEHICULAR INGRESS AND EGRESS IS RESTRICTED

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**APPROVED**  
PLANNING BOARD  
of HOWARD COUNTY  
DATE 9-14-06

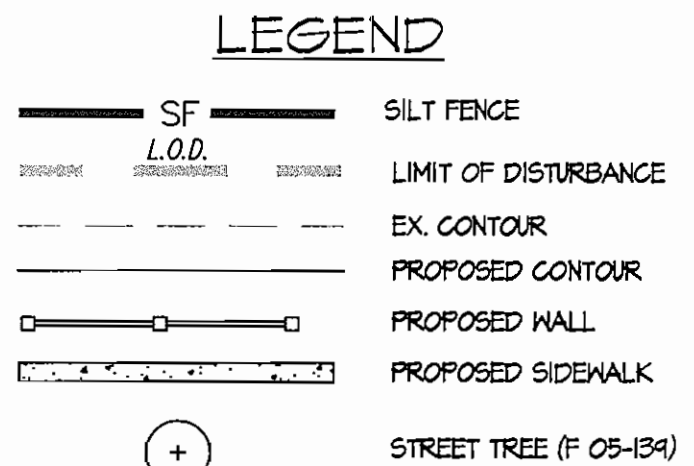
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
*Stephen Lafferty* 11/15/06  
 Director Date  
*Candy Hancock* 11/9/06  
 Chief, Division of Land Development Date  
*William M. Moran* 11/21/06  
 Chief, Development Engineering Division Date

DEVELOPER'S/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."  
 Signature of Developer/Builder 10-10-06  
 Date

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."  
 Signature of Engineer 10/10/06  
 Date



These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.  
 This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.  
 Signature of Howard S.C.D. 10/31/06  
 Date



**DESIGN**  
COLLECTIVE  
 100 EAST PRATT STREET  
 14<sup>TH</sup> FLOOR  
 BALTIMORE, MARYLAND 21202  
 Telephone 410.685.6655  
 Fax 410.539.1274

**GLWGUTSCHICK LITTLE & WEBER, P.A.**  
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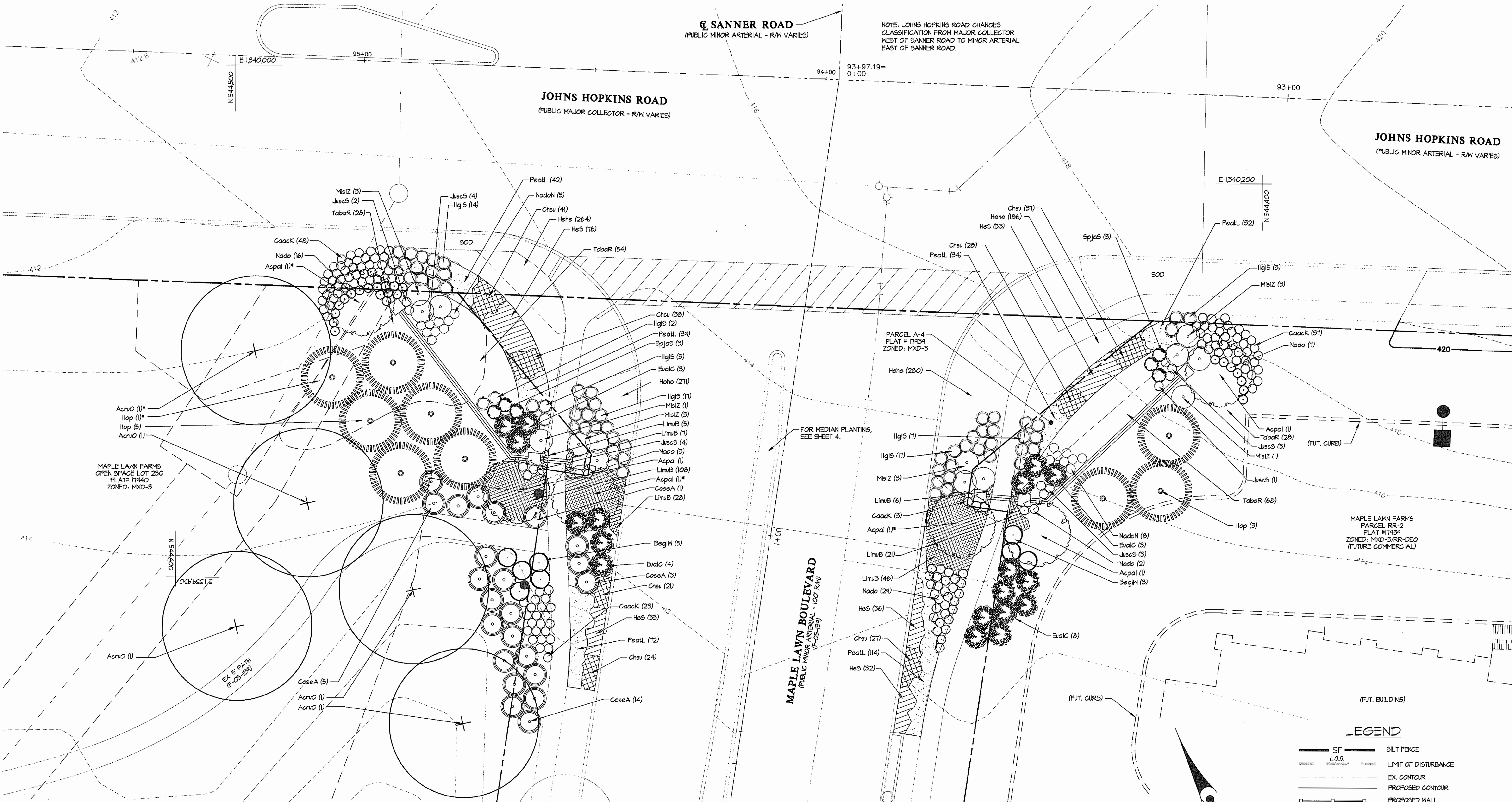
DATE	REVISION	BY	APPR.

PREPARED FOR:  
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 SUITE 300 WOODHOLME CENTER  
 1829 REISTERSTOWN ROAD  
 BALTIMORE, MD 21208  
 ATTN: CHARLIE O'DONOVAN  
 410-484-8400

**SITE DEVELOPMENT PLAN**  
**MAPLE LAWN FARMS**  
**JOHNS HOPKINS ROAD/MAPLE LAWN BLVD ENTRANCE**  
 OPEN SPACE LOT 230, PARCEL A-4, & PARCEL RR-2  
 ELECTION DISTRICT No. 5  
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=10'	MXD-3	04001B
DATE	TAX MAP - GRID	SHEET
OCT., 2006	41-16	2 OF 8





**APPROVED**  
PLANNING BOARD  
of HOWARD COUNTY  
DATE 9-14-06  
VS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
Director [Signature] Date 11/15/06  
Chief, Division of Land Development [Signature] Date 11/9/06  
Chief, Development Engineering Division [Signature] Date 11/16/06

DEVELOPER'S/BUILDER'S CERTIFICATE  
"I, the undersigned, 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."  
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Signature of Engineer [Signature] Date 10/10/06

These plans have been reviewed for the Howard Soil Conservation District, and meet the technical requirements.  
National Resources Conservation Service Date [Signature]  
This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.  
Howard S.C.D. Date [Signature]

THIS SHEET IS FOR PLANTING PURPOSES ONLY, FOR OTHER INFORMATION SEE SHEET 2

- LEGEND**
- SF SILT FENCE
  - L.O.D. LIMIT OF DISTURBANCE
  - EX CONTOUR
  - PROPOSED CONTOUR
  - PROPOSED WALL
  - PROPOSED SIDEWALK
  - STREET TREE (F 05-134)
  - STREET TREE LOCATIONS (PER F-05-134) SUPERSEDED BY THIS PLAN, WHICH WILL BE REQUIRED IF THE LANDSCAPING SHOWN ON THESE PLANS IS NOT PLANTED.
- \* INDICATES PLANT MATERIAL THAT MUST BE HAND DUG TO AVOID DAMAGE TO UNDER GROUND UTILITIES THAT MAY BE IN THAT AREA.

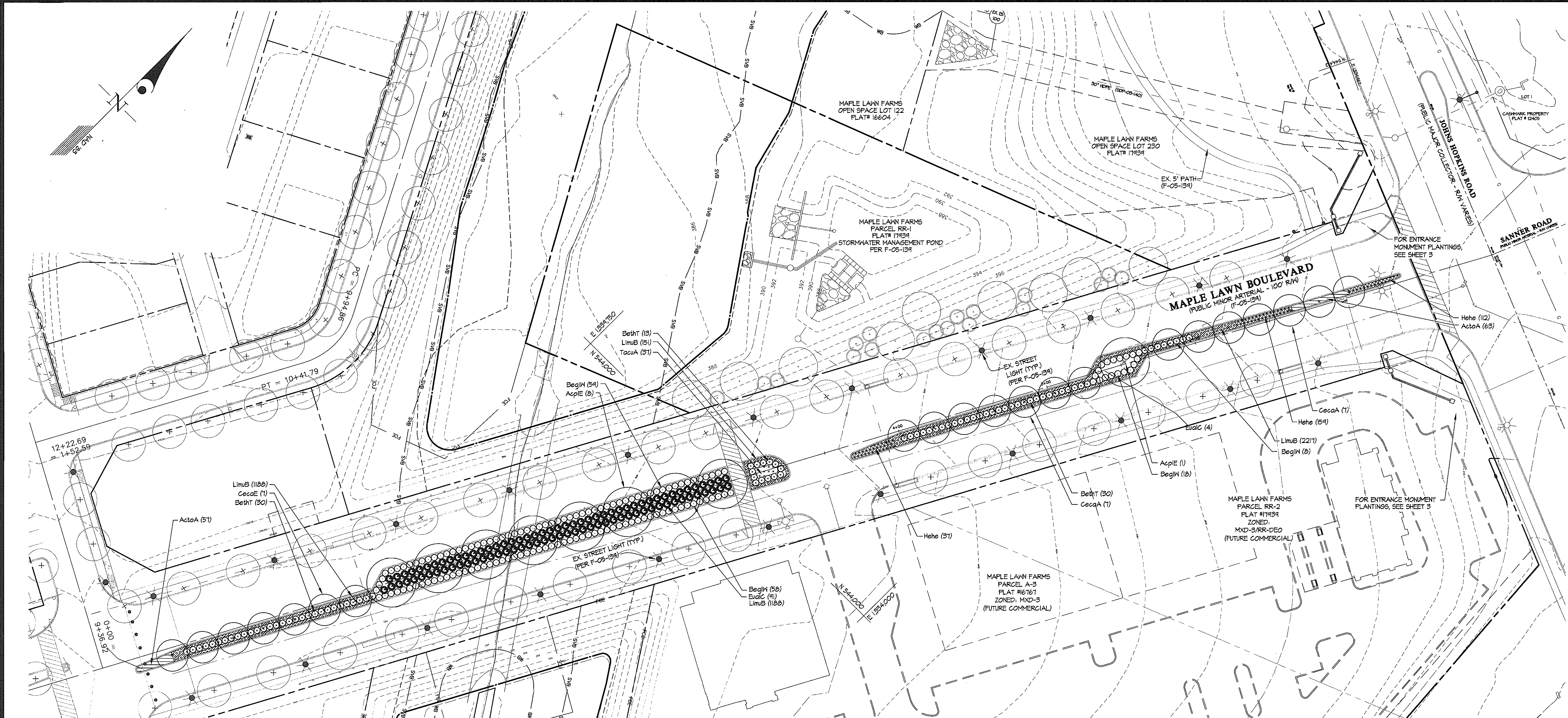
**GLWGUTSCHICK LITTLE & WEBER, P.A.**  
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TEL: 301-421-4024 BALT: 410-880-1020 DC/VA: 301-369-2524 FAX: 301-421-4186

PREPARED FOR:  
G&R MAPLE LAWN INC.  
SUITE 300 WOODHOLME CENTER  
1829 REISTERSTOWN ROAD  
BALTIMORE, MD 21208  
ATTN: CHARLIE O'DONOVAN  
410-484-8400

LANDSCAPE PLAN  
**MAPLE LAWN FARMS**  
JOHNS HOPKINS ROAD/MAPLE LAWN BLVD ENTRANCE  
OPEN SPACE LOT 230, PARCEL A-4, & PARCEL RR-2  
ELECTION DISTRICT No. 5  
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=10'	MXD-3	04001B
DATE	TAX MAP - GRID	SHEET
OCT., 2006	41-16	3 OF 8





**LEGEND**

- SILT FENCE
- LIMIT OF DISTURBANCE
- EX. CONTOUR
- PROPOSED CONTOUR
- PROPOSED WALL
- PROPOSED SIDEWALK
- STREET TREE (F-05-134)
- STREET TREE LOCATIONS (PER F-05-134) SUPERSEDED BY THIS PLAN, WHICH WILL BE REQUIRED IF THE LANDSCAPING SHOWN ON THESE PLANS IS NOT PLANTED.

NOTE: EXISTING STREET TREE AND STREET LIGHT LOCATIONS SHOWN REFLECT FINAL LOCATIONS AS DETERMINED IN THE FIELD, PER NOTE #1 OF THE APPROVED ROAD DRAWINGS (SHEET 4 OF F-05-134). THE STREET TREES AT STATION 1+30 WERE ELIMINATED DUE TO THE RELOCATION OF THE STREET LIGHTS IN THE SAME AREA.

**MEDIAN PLANTING LIST**

Broadleaf Deciduous						
Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
	AcplE	<i>Acer platanoides</i> 'Emerald Queen'	'Emerald Queen' Norway Maple	2 1/2" cal.	AS SHOWN	1
	CecaA	<i>Cercis canadensis</i> 'Alba'	White Flowered Eastern Redbud	2" cal.	AS SHOWN	21
Shrub						
Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
	EvalC	<i>Evonymus alatus</i> 'Compactus'	Compact Dwarf Burning Bush	3-4' B.B.	AS SHOWN	45
	BegW	<i>Berberis x gladiolensis</i> 'William Penn'	'William Penn' Barberry	2-Gal	AS SHOWN	135
	BethT	<i>Berberis thunbergii</i> 'Atrorubra'	Redleaf Barberry	2-Gal	AS SHOWN	81
Perennial						
Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
	ActoA	<i>Achillea tomentosa</i> 'Aurea'	Woody Yarrow	1-Gal	18-24" O.C.	120
	LimuB	<i>Liriope muscari</i> 'Big Blue'	Big Blue Lily Turf	1-Gal	1' O.C.	3556
Ground Cover						
Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
	Hehe	<i>Hedera helix</i>	English Ivy	1-Gal	1' O.C.	308
	TacuA	<i>Taxus cuspidata</i> 'Aurea'	Aurea Japanese Yew	1-Gal	18-20" O.C.	37

**APPROVED**  
PLANNING BOARD  
of HOWARD COUNTY  
DATE 9-14-06

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
 Director: [Signature] Date: 11/13/06  
 Chief, Division of Land Development: [Signature] Date: 11/14/06  
 Chief, Development Engineering Division: [Signature] Date: 11/15/06

**DEVELOPER'S/BUILDER'S CERTIFICATE**  
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 Signature of Engineer: [Signature] Date: 10/10/06



These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.  
 Natural Resources Conservation Service Date: 10/13/06  
 Howard S.C.D. Date: 10/13/06

THIS SHEET IS FOR PLANTING PURPOSES ONLY. FOR OTHER INFORMATION SEE SHEET 2

**DESIGN COLLECTIVE**  
 100 EAST PRATT STREET  
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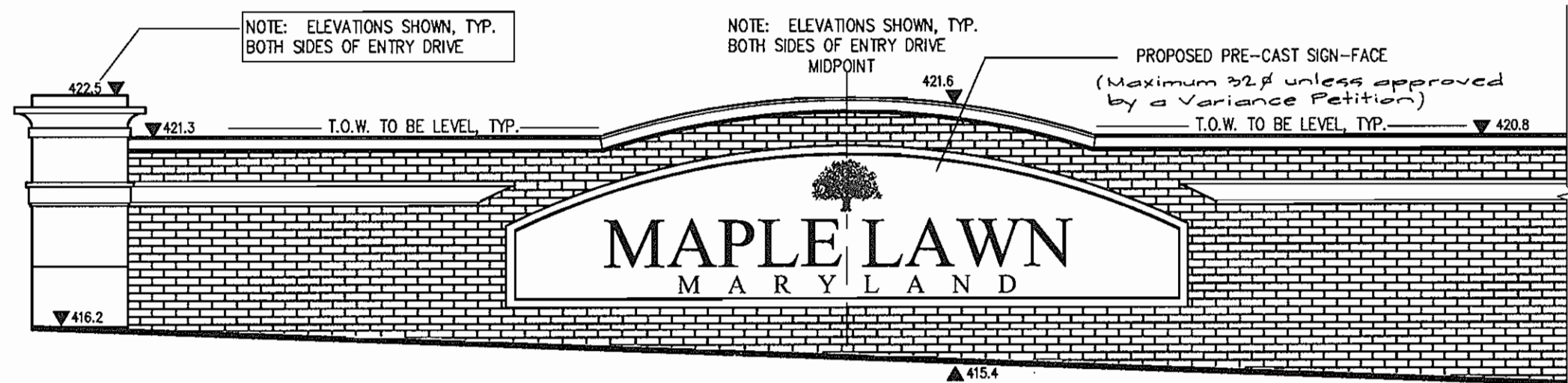
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PREPARED FOR:  
 G&R MAPLE LAWN INC.  
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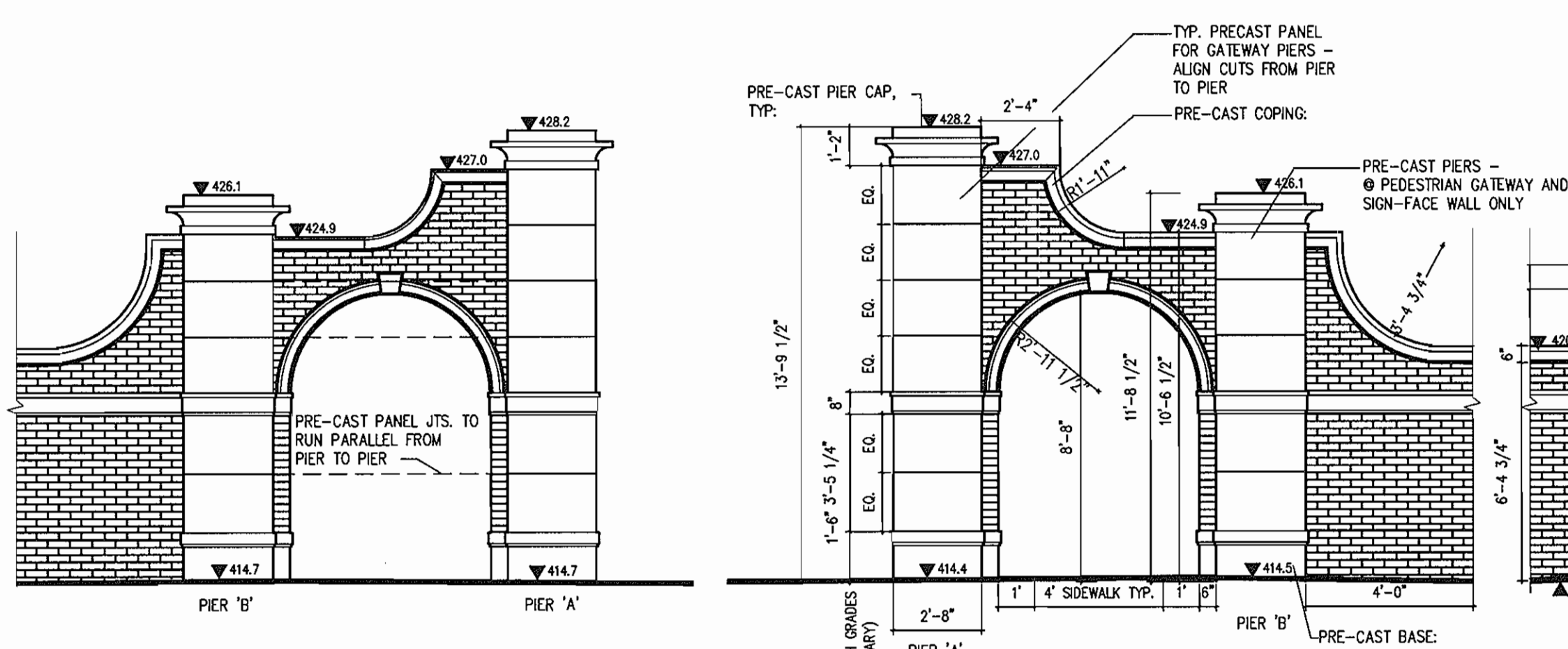
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**MAPLE LAWN FARMS**  
**JOHNS HOPKINS ROAD/MAPLE LAWN BLVD ENTRANCE**  
 OPEN SPACE LOT 230, PARCEL A-4, & PARCEL RR-2  
 ELECTION DISTRICT No. 5  
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=30'	MXD-3	04001B
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Oct., 2006	41-16	4 OF 8

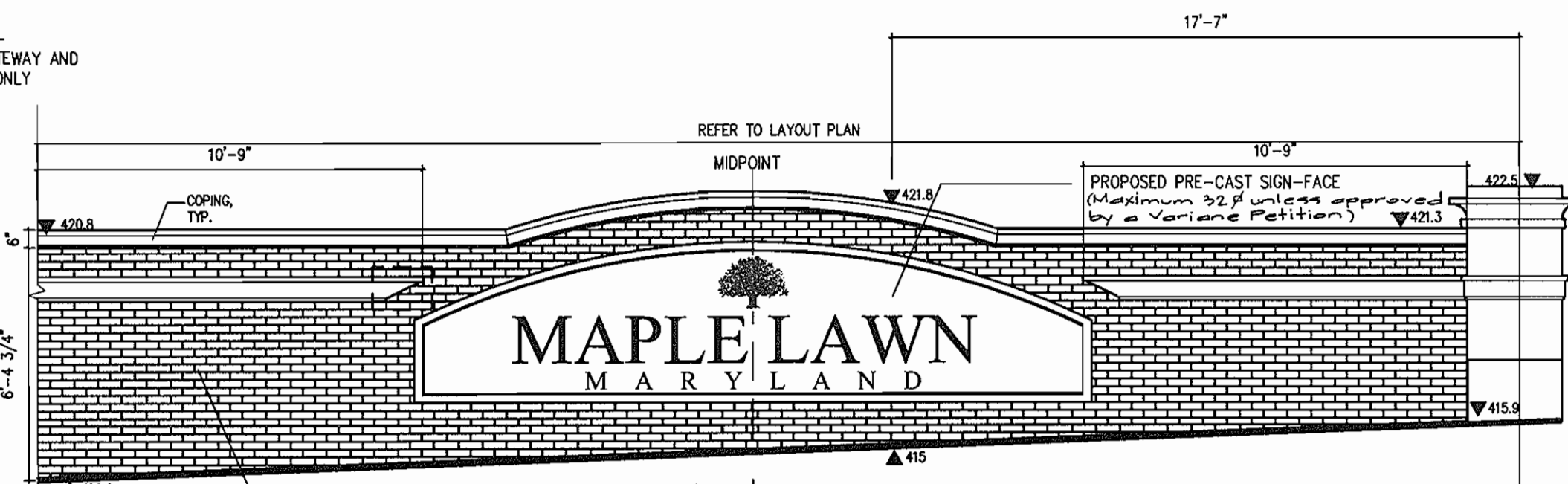




EASTERN WALL DETAIL  
SCALE: 1" = 4'

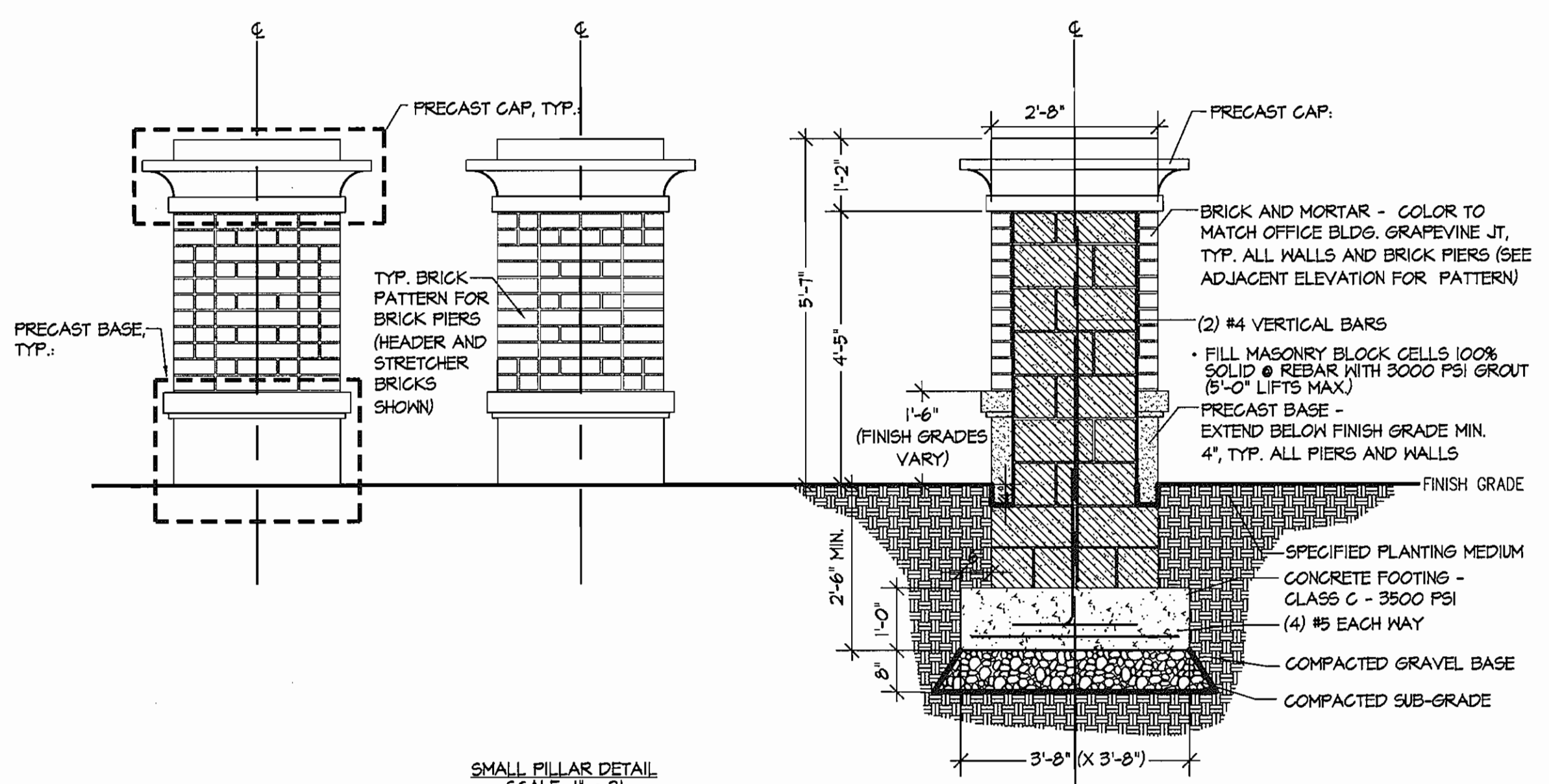


NOTE: SEE SHEET 2 FOR ALL SPOT ELEVATIONS OCCURRING ALONG STREETS AND CURBS

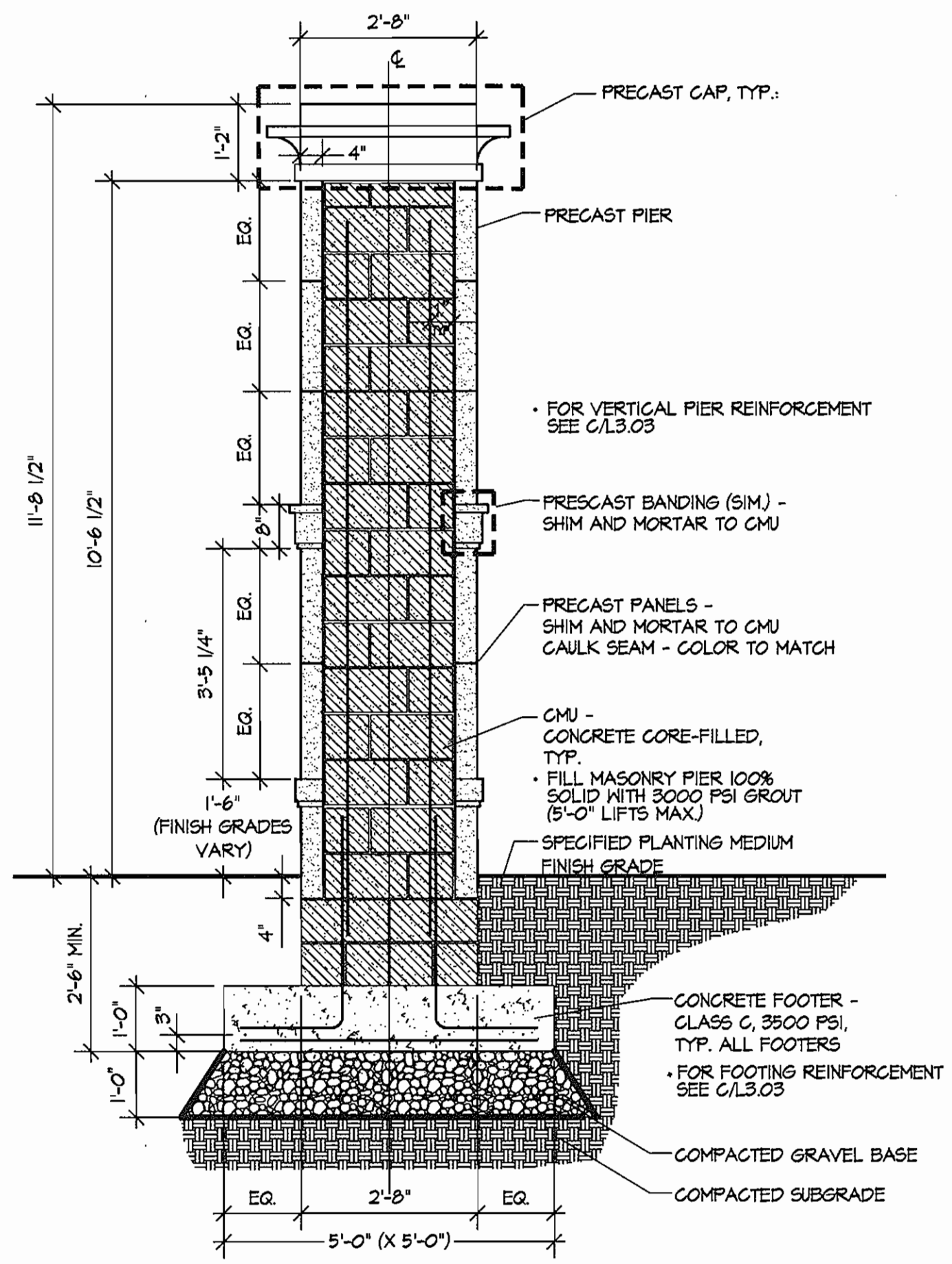


WESTERN WALL DETAIL  
SCALE: 1" = 4'

- GENERAL NOTES FOR BRICK WALLS & PIERS**
- PIER A:  
PIER B:  
PIER C:  
PIER D:
- WALL & PIER CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED PERMITS PRIOR TO INSTALLATION OF THE WALLS AND PIERS ON THIS PROJECT.
  - WALL & PIER CONTRACTOR SHALL COORDINATE WALL & PIER INSTALLATIONS WITH GENERAL CONTRACTOR AND CONFIRM FIELD LOCATION OF WALLS PIERS. ANY DISCREPANCIES SHALL BE REPORTED TO OWNER'S REPRESENTATIVE.
  - WALL & PIER CONTRACTOR SHALL SUBMIT 2X2' MOCK-UPS OF ALL WALLS & PIERS INDICATED ON PLANS TO OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO CONST. OF ANY SURFACES. OWNER'S REPRESENTATIVE SHALL HAVE A MINIMUM OF FIVE (5) WORKING DAYS TO REVIEW AND COMMENT ON THE SAMPLES.
  - MATERIAL, MORTAR AND CONSTRUCTION TO MATCH OFFICE BUILDINGS - JOINTS: GRAPE VINE
  - PRECAST BASE, COPING, AND BANDING TO BE CUT IN 4' +/- SECTIONS - TO BE REVIEWED PER SHOP DWGS.



SMALL PILLAR DETAIL  
SCALE: 1" = 2'



SMALL PILLAR DETAIL  
SCALE: 1" = 2'

DETAILS AND NOTES REVIEWED BY:  
MOROBITO CONSULTANTS, INC.  
2626 ST. PAUL STREET  
BALTIMORE, MD. 21216  
410.461.2371

**APPROVED**  
PLANNING BOARD  
of HOWARD COUNTY  
DATE: 9-14-06  
KS

APPROVED FOR PUBLIC WATER & SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT

County Health Officer \_\_\_\_\_ Date \_\_\_\_\_

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Director: *Stephen Lafferty* Date: 11/15/06

Chief, Division of Land Development: *Charles Hammel* Date: 11/9/06

Chief, Development Engineering Division: *William* Date: 11/9/06



**DESIGN**  
COLLECTIVE

1100 EAST PRATT STREET  
14<sup>th</sup> FLOOR  
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DES. DCI	DRN. AML	CHK. DEV	DATE	REVISION	BY	APPR.

PREPARED FOR:  
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1829 REISTERSTOWN ROAD  
BALTIMORE, MD 21208  
ATTN: CHARLIE O'DONOVAN  
410-484-8400

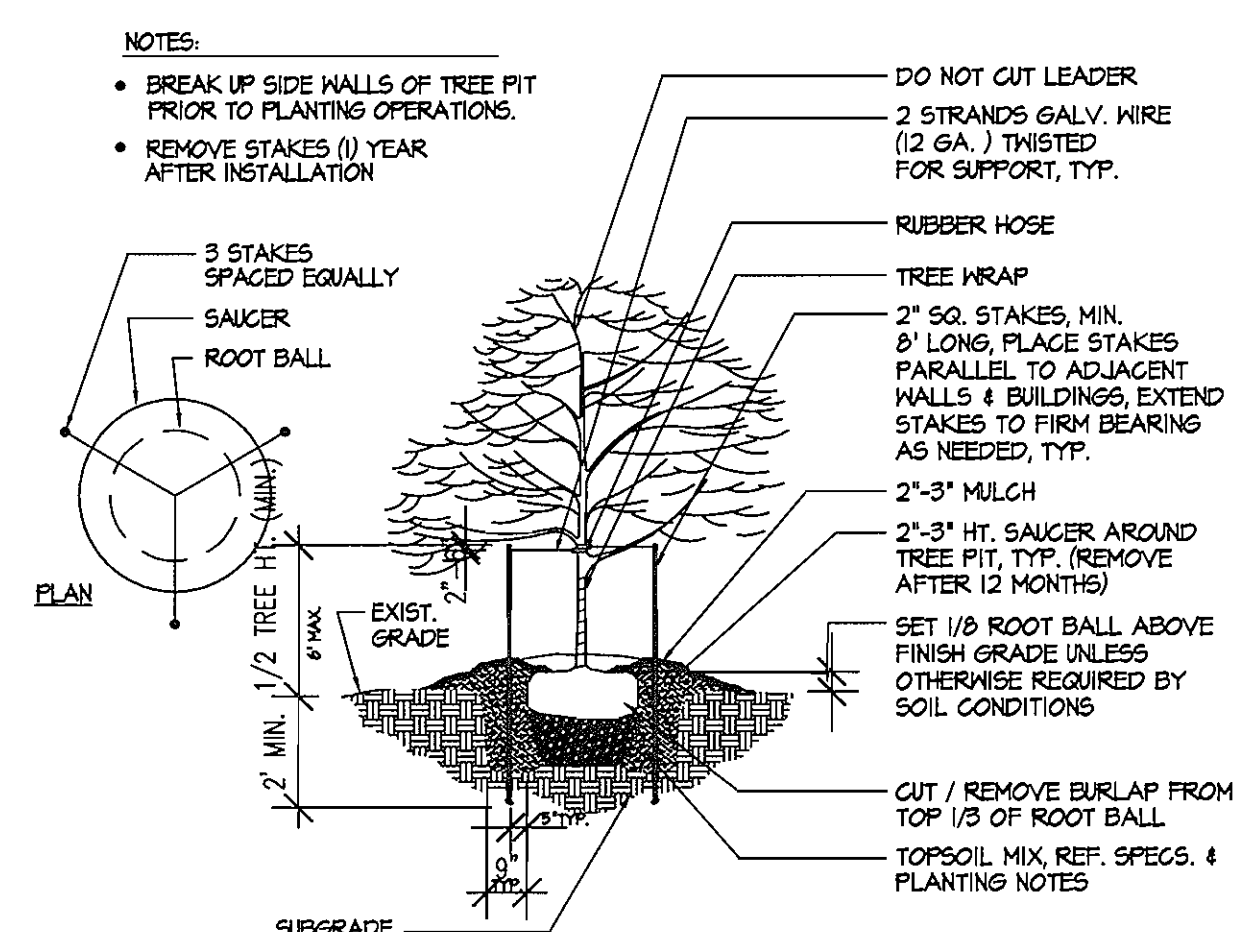
**SITE DETAILS**  
**MAPLE LAWN FARMS**  
JOHNS HOPKINS ROAD/MAPLE LAWN BLVD ENTRANCE  
OPEN SPACE LOT 230, PARCEL A-4, & PARCEL RR-2

ELECTION DISTRICT No. 5

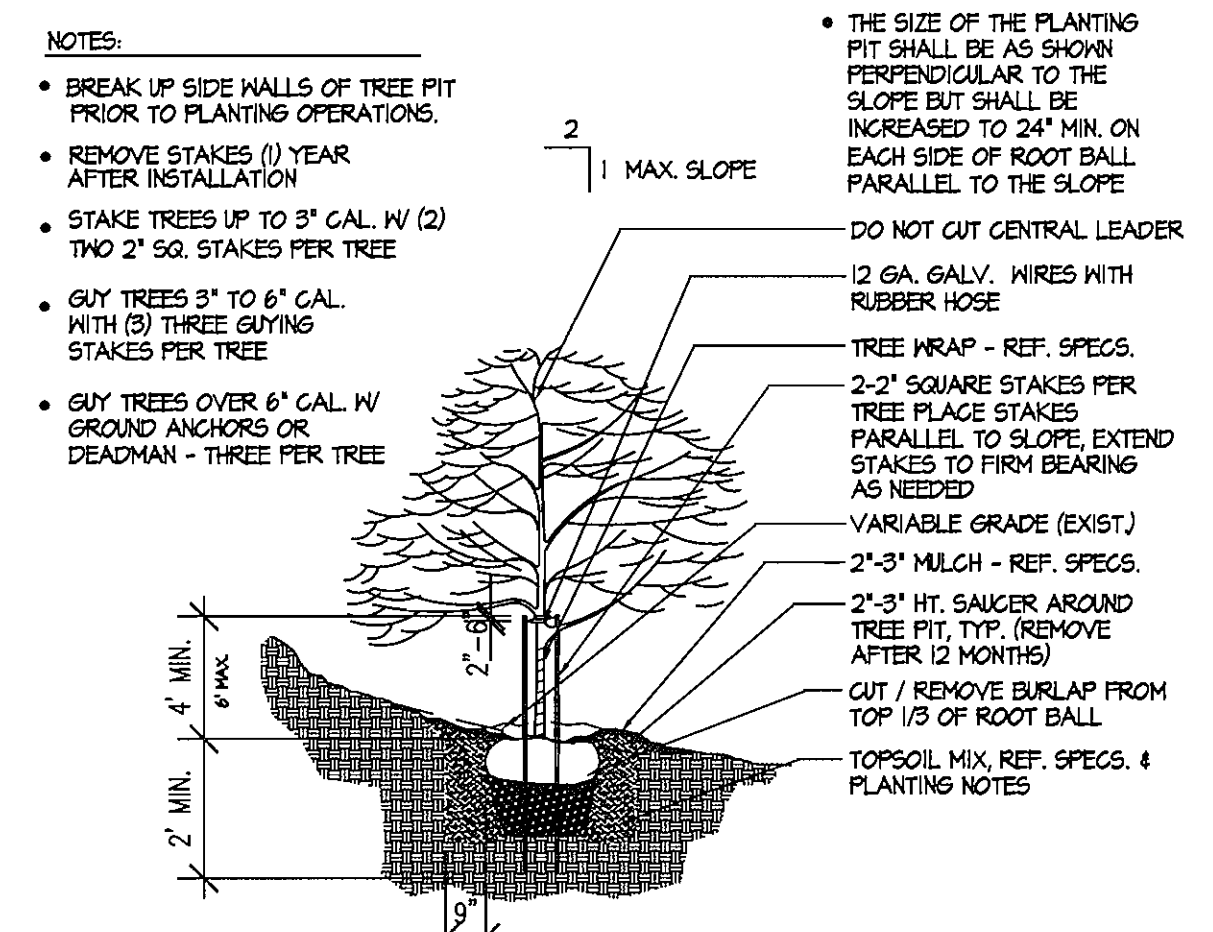
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	MXD-3	04001B
DATE	TAX MAP - GRID	SHEET
OCT., 2006	41-16	5 OF 8

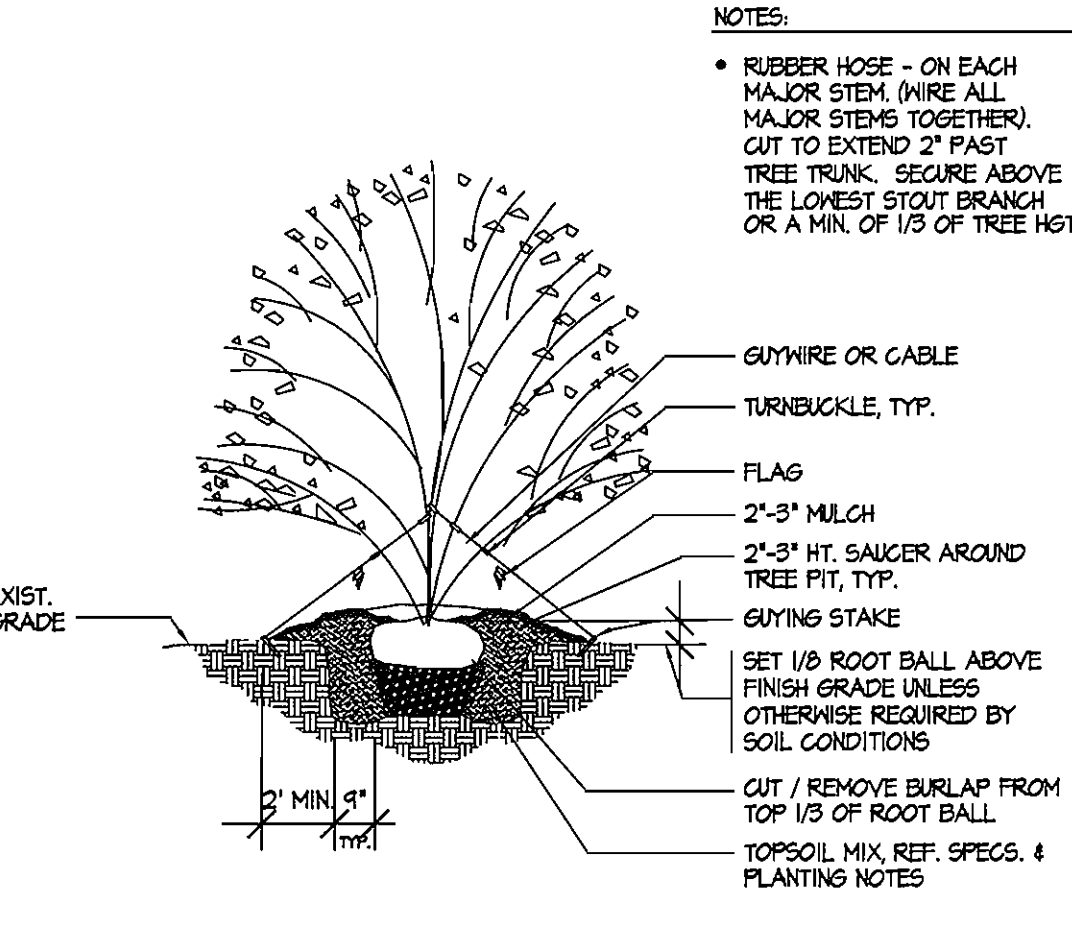




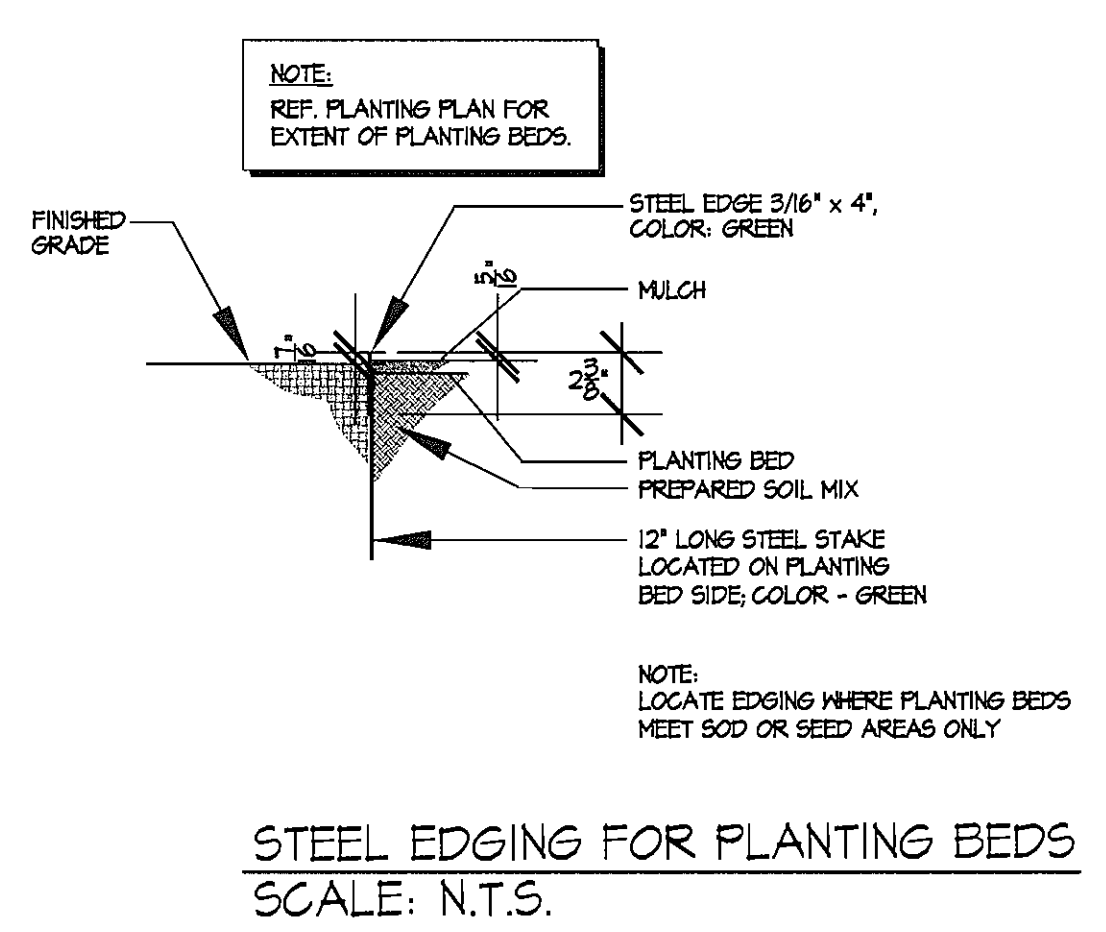
**DECIDUOUS TREE STAKING**  
SCALE: N.T.S.



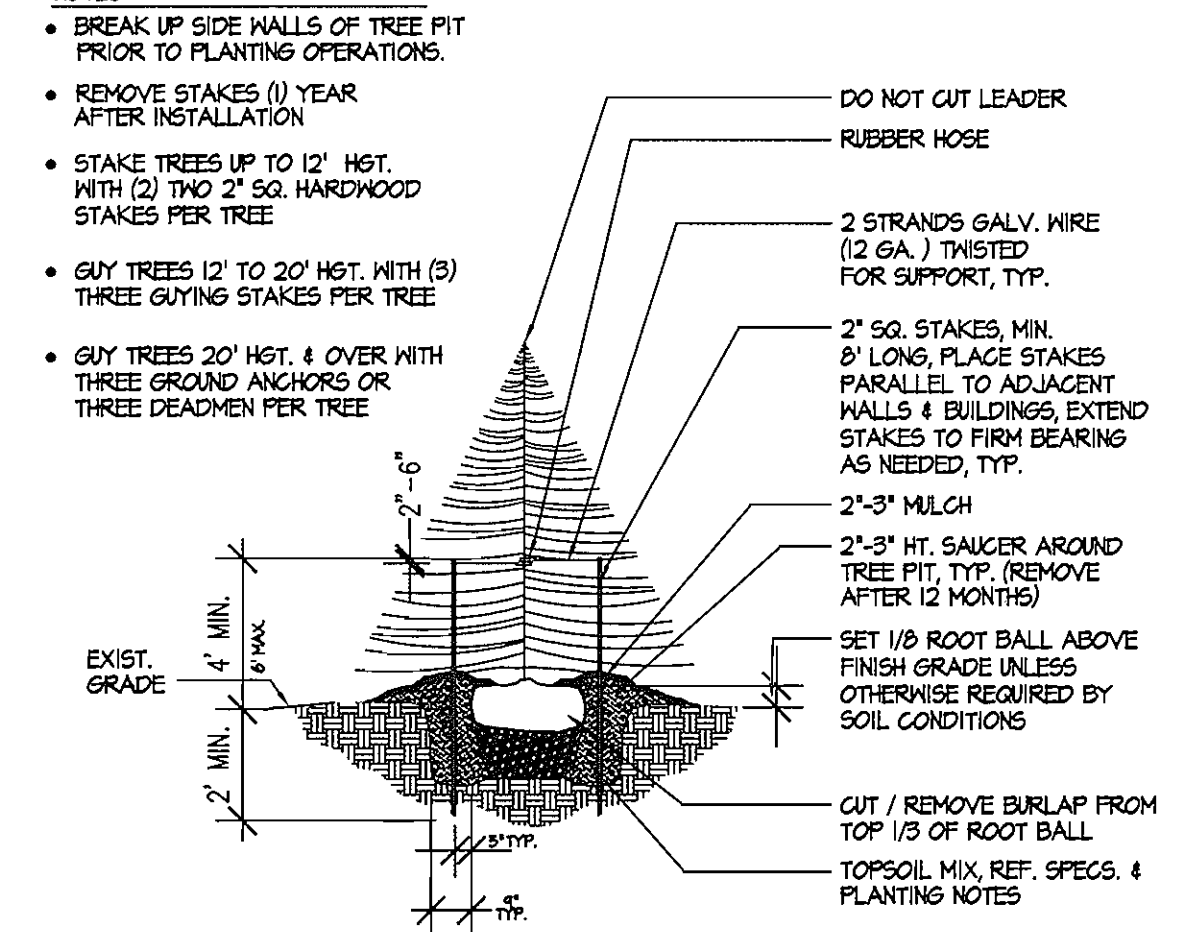
**DECIDUOUS TREE STAKING ON SLOPE**  
SCALE: N.T.S.



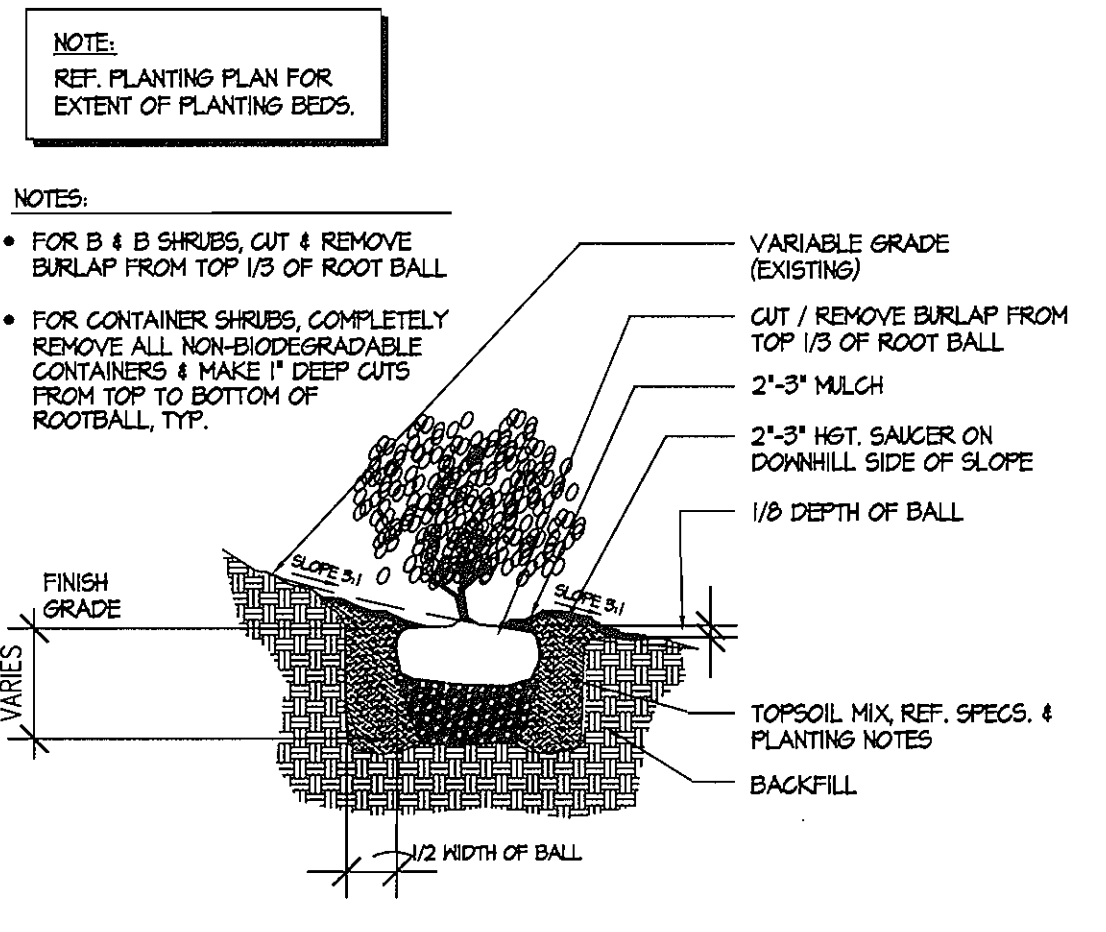
**LARGE SHRUB PLANTING**  
SCALE: N.T.S.



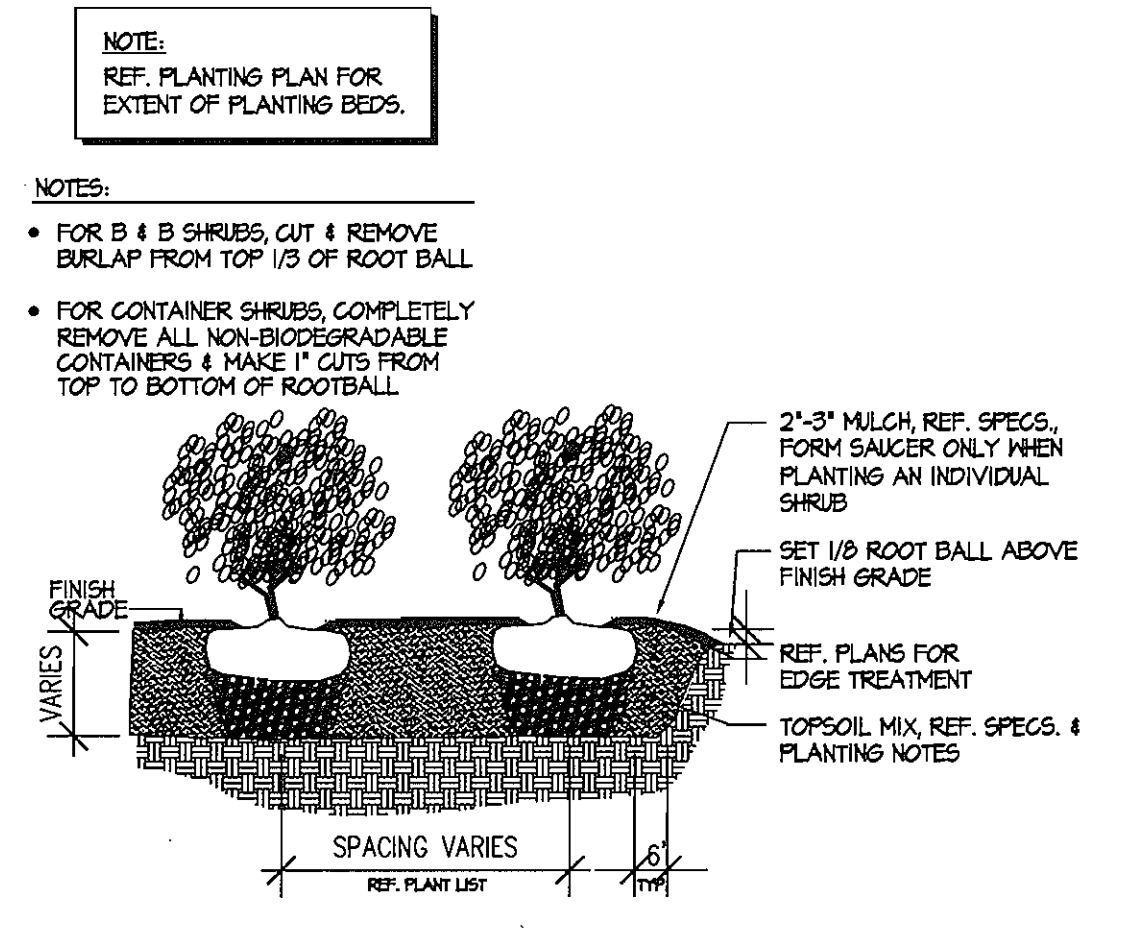
**STEEL EDGING FOR PLANTING BEDS**  
SCALE: N.T.S.



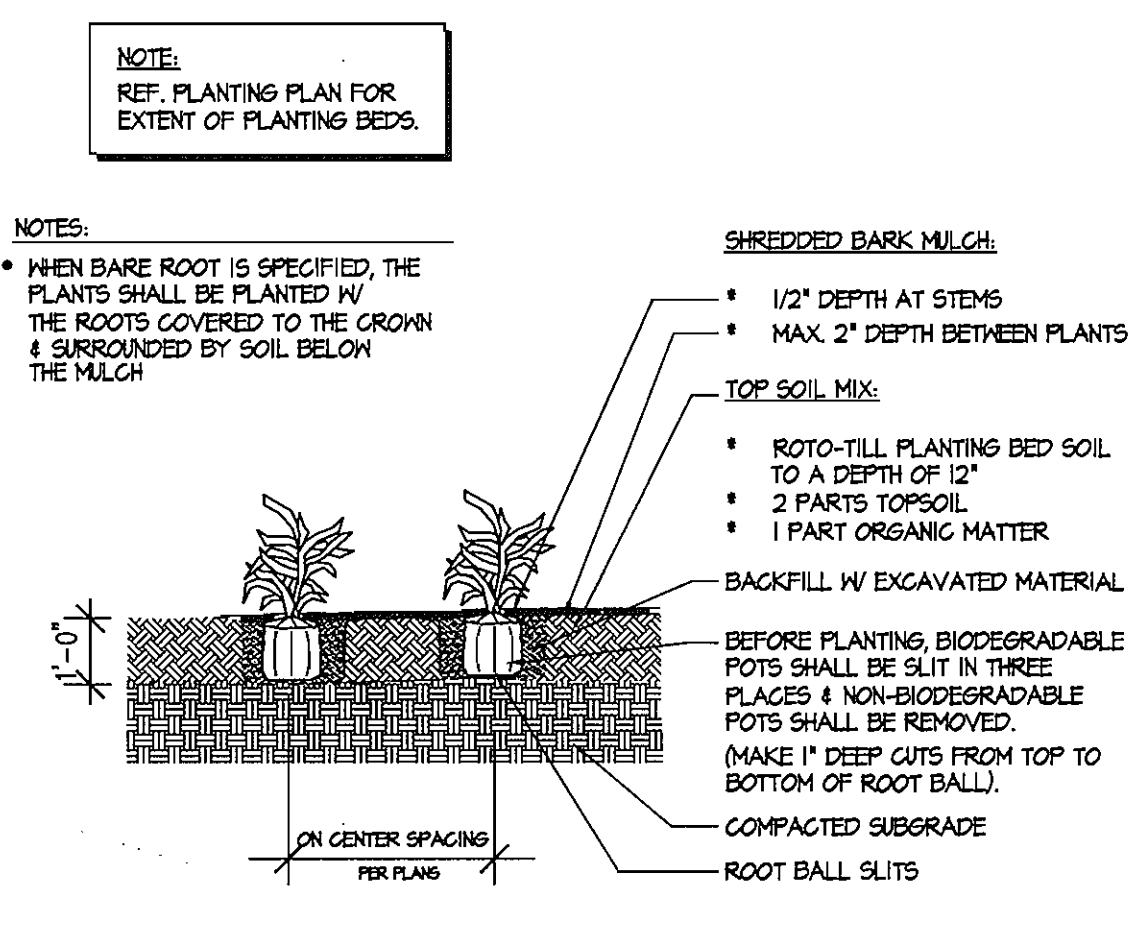
**EVERGREEN TREE STAKING**  
SCALE: N.T.S.



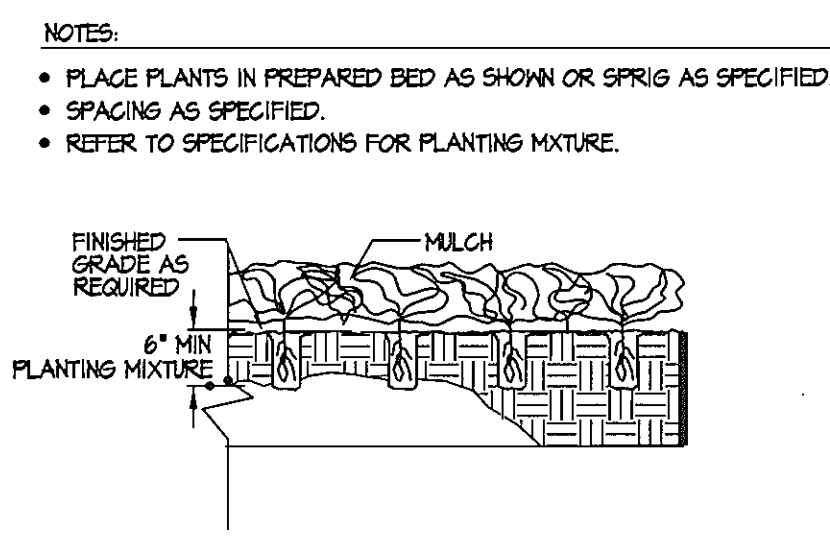
**SHRUB PLANTING ON SLOPE**  
SCALE: N.T.S.



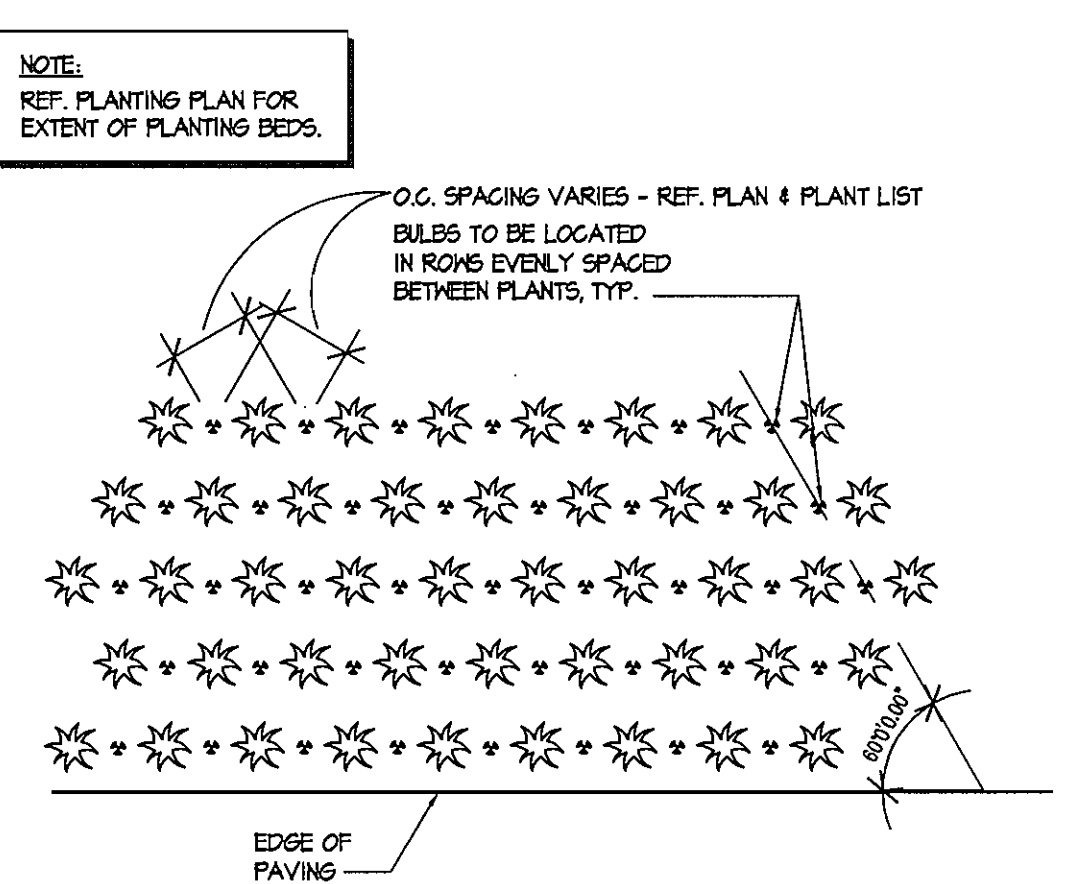
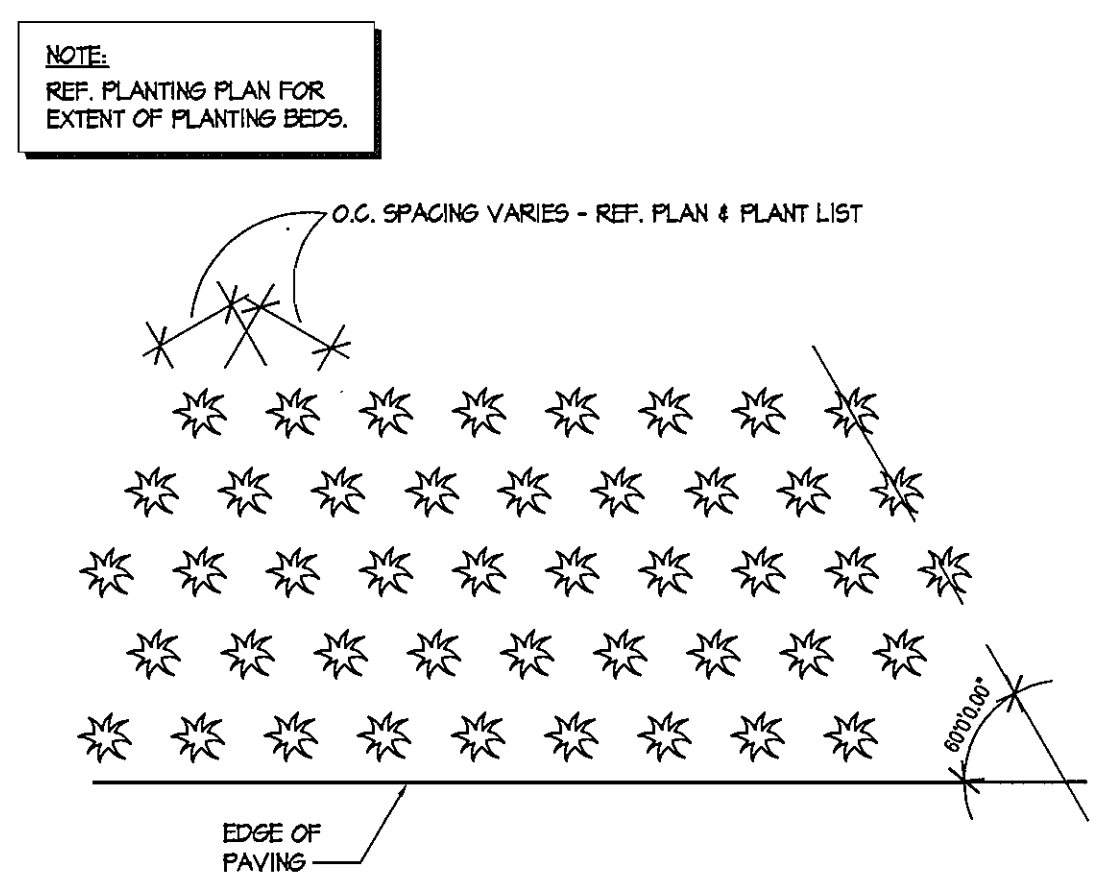
**SHRUB BED PLANTING**  
SCALE: N.T.S.



**POTTED PLANT BED PLANTING**  
SCALE: N.T.S.



**PERENNIAL PLANTING**  
SCALE: N.T.S.



**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY

DATE 9-14-06  
KS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Director Stephen Caffery 11/15/06  
Date

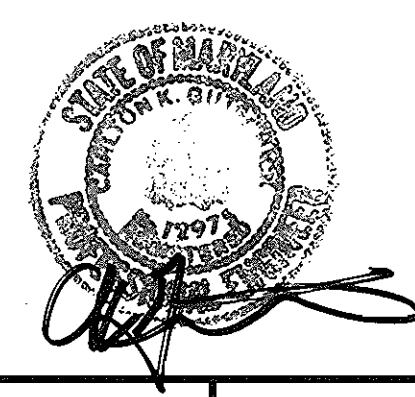
Chief, Division of Land Development Andy Hamms 11/16  
Date

Chief, Development Engineering Division Chris Williams 11/16/06  
Date

**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 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4188

DES. DEV	DRN. AVL	CHK. DEV	DATE	REVISION	BY	APPR.

PREPARED FOR:  
G&R MAPLE LAWN INC.  
SUITE 300 WOODHOLME CENTER  
1829 REISTERSTOWN ROAD  
BALTIMORE, MD 21208  
ATTN: CHARLIE O'DONOVAN  
410-484-8400



**LANDSCAPE DETAILS**

**MAPLE LAWN FARMS**  
JOHNS HOPKINS ROAD/MAPLE LAWN BLVD ENTRANCE  
OPEN SPACE LOT 230, PARCEL A-4, & PARCEL RR-2

ELECTION DISTRICT No. 5

HOWARD COUNTY, MARYLAND

<b>DESIGN</b> COLLECTIVE	100 EAST PRATT STREET 14 <sup>TH</sup> FLOOR BALTIMORE, MARYLAND 21202 Telephone 410.685.6655 Fax 410.539.1274 ©DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED	
SCALE AS SHOWN	ZONING MXD-3	G. L. W. FILE No. 04001B
DATE OCT., 2006	TAX MAP - GRID 41-16	SHEET 6 OF 8



**PLANTING SPECIFICATIONS:**

- CONTRACTOR IS RESPONSIBLE TO SUBMIT CERTIFICATES OF INSPECTION AS REQUIRED, COMPLY WITH REGULATIONS APPLICABLE TO LANDSCAPE MATERIALS AND CONTRACTOR TO SUBMIT MANUFACTURER'S OR VENDOR'S CERTIFIED ANALYSIS FOR FERTILIZER MATERIALS.
- CONTRACTOR TO HAVE FERTILIZER MATERIALS DELIVERED IN ORIGINAL, UNOPENED, AND UNDAMAGED CONTAINERS SHOWING HEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. STORE IN MANNER TO PREVENT NETTING AND DETERIORATION.
- MOVING AND STORAGE OF PLANT MATERIALS: CONTRACTOR TO TAKE ALL PRECAUTIONS CUSTOMARY IN GOOD TRADE PRACTICE IN PREPARING PLANTS FOR MOVING. HORSERADISH THAT FAILS TO MEET THE HIGHEST STANDARDS WILL BE REJECTED.
  - SPRAY DECIDUOUS PLANTS IN FOLIAGE WITH AN APPROVED ANTIMISPRANT IMMEDIATELY AFTER DIGGING TO PREVENT DEHYDRATION.
  - LEGIBLY TAG PLANTS WITH BOTANICAL NAME AND SIZE IN ACCORDANCE WITH THE STANDARDS OF PRACTICE OF THE AMERICAN ASSOCIATION OF NURSERYMEN.
  - DIG, PACK, TRANSPORT, AND HANDLE PLANTS WITH CARE TO ENSURE PROTECTION AGAINST INJURY. FULLY PROTECT PLANTS FROM DAMAGE BY SUN, WIND, DROUGHT, WATER AND OTHER INJURIOUS CONDITIONS DURING TRANSPORTATION TO SITE AND DURING TEMPORARY STORAGE BEFORE PLANTING.
  - INSPECTION CERTIFICATES REQUIRED BY LAW SHALL ACCOMPANY EACH SHIPMENT INVOICE OR ORDER TO STOCK AND ON ARRIVAL. THE CERTIFICATE SHALL BE FILED WITH THE OWNER.
  - NO PLANT SHALL BE BOUND WITH ROPE OR WIRE IN A MANNER THAT COULD DAMAGE OR BREAK THE BRANCHES.
- CONTRACTOR IS RESPONSIBLE FOR PLANTING UNDER FAVORABLE WEATHER CONDITIONS AND RECOMMENDED SEASON FOR PLANT SURVIVAL AND ESTABLISHMENT.
- CONTRACTOR TO WARRANT PLANT MATERIAL TO REMAIN ALIVE AND BE HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF 1 YEAR AFTER FINAL ACCEPTANCE OF ENTIRE PROJECT INCLUDING DEATH AND UNSATISFACTORY GROWTH EXCEPT FOR DEFECTS RESULTING FROM NEGLIGENCE BY OWNER, ABUSE OR DAMAGE BY OTHERS, OR USUAL WEATHER OR INJURIES WHICH ARE BEYOND CONTRACTOR'S CONTROL.
- CONTRACTOR TO REMOVE AND REPLACE TREES, SHRUBS, OR OTHER PLANTS THAT ARE DEAD OR IN UNHEALTHY CONDITION DURING WARRANTY PERIOD AT CONTRACTOR'S EXPENSE. REPLACE TREES AND SHRUBS WHICH ARE IN DOUBTFUL CONDITION AT END OF WARRANTY PERIOD, AND EXTEND WARRANTY PERIOD FOR AN ADDITIONAL ROWING SEASON FOR THE REPLACEMENT PLANTS.
- PLANTS: ALL PLANTS SHALL COMPLY WITH THE RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z601 AMERICAN STANDARD OF NURSERY STOCK. PROVIDE PLANTS TYPICAL OF THEIR SPECIES OR VARIETY WITH NORMAL, DENSELY DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. PROVIDE ONLY SOUND, HEALTHY, VIGOROUS PLANTS FREE FROM INSECT PESTS, DISEASES, AND PHYSICAL INJURY. ALL PLANTS SHALL HAVE A FULLY DEVELOPED FORM WITHOUT VOIDS AND OPEN SPACES.
  - BALLED AND BURLAPPED PLANTS: DIG BALLED AND BURLAPPED PLANTS WITH FIRM, NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR FULL RECOVERY OF PLANT. PROVIDE BALL SIZES COMPLYING WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK. GRAZED OR MUSHROOMED BALLS ARE NOT ACCEPTABLE.
  - BARE-ROOT PLANTS: NOT APPLICABLE FOR THIS PROJECT.
  - CONTAINER-GROWN STOCK: GROWN IN A CONTAINER FOR SUFFICIENT LENGTH OF TIME FOR THE ROOT SYSTEM TO HAVE DEVELOPED TO HOLD ITS SOIL TOGETHER, FIRM AND WHOLE.
    - NO PLANTS SHALL BE LOOSE IN THE CONTAINER.
    - CONTAINER STOCK SHALL NOT BE POT BOUND.
  - SUBSTITUTIONS:
    - DO NOT MAKE SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY TO OWNER TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
  - ALL PLANTS SHALL BE NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT, FOR AT LEAST ONE YEAR.
  - STOCK FURNISHED SHALL BE AT LEAST THE MINIMUM SIZE INDICATED ON THE DRAWINGS. LARGER STOCK IS ACCEPTABLE, AT NO ADDITIONAL COST AND PROVIDING THE LARGER PLANTS WILL NOT BE CUT BACK TO THE SIZE INDICATED ON THE DRAWINGS.
  - THE HEIGHT OF THE TREE MEASURED FROM THE GROWN OF THE ROOTS TO THE AVERAGE HEIGHT OF THE TOP OF THE TREE SHALL NOT BE LESS THAN THE MINIMUM SIZE DESIGNATED IN THE PLANT LIST.
  - NO PRUNING HOADS SHALL BE PRESENT WITH A DIAMETER OF MORE THAN 1 INCH AND SUCH HOADS MUST SHOW VIGOROUS BARK GROWTH ON ALL EDGES.
  - SHRUBS AND SMALL PLANTS SHALL MEET THE REQUIREMENTS FOR SPREAD AND HEIGHT INDICATED IN THE PLANT LIST.
    - THE MEASUREMENTS FOR HEIGHT SHALL BE TAKEN FROM THE GROUND LEVEL TO THE AVERAGE HEIGHT OF THE TOP OF THE PLANT AND NOT THE LONGEST BRANCH.
    - SINGLE STEMMED OR THIN PLANTS WILL NOT BE ACCEPTED.
    - SIDE BRANCHES SHALL BE GENEROUS, WELL-TYNGED, AND THE PLANT AS A WHOLE WELL-BUSHED TO THE GROUND.
    - PLANTS SHALL BE IN A MOIST, VIGOROUS CONDITION, FREE FROM DEAD WOOD, BRUISES, OR OTHER ROOT OR BRANCH INJURIES.
- COMMERCIAL FERTILIZERS SHALL CONSIST OF:
  - FERTILIZER SHALL CONFORM TO APPLICABLE REGULATORY AGENCIES, BE UNIFORM AS TO COMPOSITION, DRY, FREE FLOWING, AND DELIVERED TO SITE IN ORIGINAL UNOPENED CONTAINERS.
  - MINIMUM ANALYSIS BY HEIGHT:
    - 10% NITROGEN, N
    - 6% PHOSPHORIC ACID, P2O5
    - 4% POTASH, K2O
  - 50% OF NITROGEN CONTENT SHALL BE SLOW RELEASE ORGANIC.
- ANTIMISPRANT: PROVIDE PROTECTIVE FILM BALLS ON PROVIDING A PROTECTIVE FILM OVER PLANT SURFACES PERMEABLE TO PERMIT TRANSPIRATION. MIXED AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- WATER IS TO BE SUPPLIED FOR PLANTS THAT IS CLEAN, FREE OF SALT, OIL, ACID, OR ALKALI, ORGANIC MATTER OR OTHER SUBSTANCES HARMFUL TO PLANTS.
- CONTRACTOR IS TO BE HELD RESPONSIBLE FOR:
  - LOCATION OF PLANTS: PLACE INDIVIDUAL PLANTS AND STAKE PLANT BEDS AS INDICATED ON DRAWINGS. NOTIFY OWNER FOR APPROVAL PRIOR TO PLANTING. CONTRACTOR SHALL MAKE REASONABLE ADJUSTMENT OF PLANT LOCATIONS AS RECOMMENDED BY OWNER.
  - PLANTING MIXTURE:
    - MIX PLANTING SOIL PRIOR TO BACKFILLING AND STOCKPILE ON SITE. BEFORE MIXING, CLEAN TOPSOIL OF ROOTS, PLANTS, SOO, STONES, CLAY LUMPS, TOXIC MATERIALS, AND OTHER EXTRANEOUS MATERIALS.
    - MIX PLANTING SOIL AS FOLLOWS:
      - DECIDUOUS MATERIAL: THREE PARTS BY VOLUME TOPSOIL TO ONE PART PEAT MOSS.
      - EVERGREEN MATERIAL: TWO PARTS BY VOLUME TOPSOIL TO ONE PART PEAT MOSS.
    - MIX SPECIFIED FERTILIZER WITH PLANTING SOIL AT THE FOLLOWING RATES:
      - DECIDUOUS TREES: 10 POUNDS/CY (5-10-10).
      - EVERGREEN TREES: 10 POUNDS/CY (5-10-10).
      - SHRUBS: 3 POUNDS/100 SQ. FT. (5-10-10).
    - DELAY MIXING FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN A FEW DAYS.
- CONTRACTOR RESPONSIBLE FOR SETTING TREES AND SHRUBS AS FOLLOWS:
  - EXCAVATION OF PLANT PITS PER DETAILS.
  - PLACE AND COMPACT SOIL MIXTURE TO 6 INCH DEPTH IN BOTTOM OF PIT. RESERVE ENOUGH SOIL MIXTURE FOR BACKFILL.
  - ORIENTATION: PLACE EACH PLANT IN VERTICAL POSITION AND ROTATE TO OBTAIN BEST VISUAL APPEARANCE AND PROPER RELATIONSHIP TO NEARBY BUILDINGS OR ADJACENT PLANTS.
  - ROOT AND BALL PREPARATION: REMOVE CONTAINER FROM CONTAINER PLANTS AND LIGHTLY SCARIFY ROOTS IN SEVERAL PLACES BEFORE PLACEMENT. AFTER PLACEMENT, LOOSEN BINDING FROM TOP AND SIDE OF BALLED AND BURLAPPED PLANTS AND REMOVE BOX OR PLATFORM AND SURPLUS BINDINGS. SPREAD ROOTS OF BARE ROOT PLANTS IN A NATURAL MANNER AND CUT CLEANLY ANY THAT HAVE BEEN BROKEN.
  - GROWN TO GRADE RELATIONSHIP: AFTER SETTLEMENT, AVERAGE FINISHED GRADE WITH COMPACTED PLANTING SOIL SLOPING GENTLY AWAY FROM TRUNK OR STEM AND BLENDING WITH FINISH GRADE.
  - BACKFILL: FILL REMAINING HOLE WITH PLANTING SOIL MIX, COMPACT LIGHTLY AND CREATE A SAUCER TO TRAP WATER. SOAK PIT, TRENCH OR BED THOROUGHLY WITH WATER SOON AFTER PLANTING.

- CONTRACTOR TO PRUNE AND REPAIR PLANTS AS FOLLOWS:
  - REMOVE OR CUT BACK, BROKEN, DAMAGED, AND UNSYMMETRICAL GROWTH OF NEW WOOD.
  - MULTIPLE LEADER PLANTS: PRESERVE THE CENTRAL LEADER WHICH WILL BEST PROMOTE THE SYMMETRY OF THE PLANT. CUT BRANCHES FLUSH WITH THE TRUNK OR MAIN BRANCH.
  - PRUNE NEEDLE-LEAF EVERGREEN TREES ONLY TO REMOVE BROKEN OR DAMAGED BRANCHES.
- CONTRACTOR RESPONSIBLE FOR STAKING TREES AS FOLLOWS:
  - STAKE TREES AS INDICATED ON DETAILS.
  - REMOVE STAKES AT END OF WARRANTY PERIOD.
- MULCH TO BE APPLIED AS FOLLOWS:
  - AREAS TO RECEIVE MULCH: ALL PLANT BEDS AND OTHER AREAS AS DESIGNATED ON DRAWINGS SHALL BE MULCHED.
  - PLACEMENT: PLACE MULCH TO REQUIRED UNIFORM DEPTH SOON AFTER PLANTING TO PREVENT DRYING OF PLANTING SOIL AROUND ROOTS.
  - APPLY HARDWOOD BARK MULCH TO A UNIFORM DEPTH OF 3 INCHES, EXCEPT IN GROUND COVER BEDS WHERE IT SHALL BE A UNIFORM DEPTH OF 2 INCHES.
- CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF PLANT MATERIALS:
  - MAINTAIN PLANTINGS UNTIL FINAL ACCEPTANCE OF WORK.
  - MAINTENANCE SHALL INCLUDE WEEDING, WATERING, AND APPLICATION OF APPROPRIATE INSECTICIDES AND FUNGICIDES NECESSARY TO MAINTAIN TREES AND SHRUBS FREE OF INSECTS AND DISEASE AND PRUNING OF ALL PLANTS EXCEPT TREES. DUBLIN CITY FORESTER WILL PRUNE TREES.
  - RE-SET SETTLED PLANTS TO PROPER GRADE AND POSITION. RESTORE PLANTING SAUCER AND ADJACENT MATERIAL AND REMOVE DEAD MATERIAL.
  - CORRECT DEFECTIVE WORK AS SOON AS POSSIBLE AFTER DEFICIENCIES BECOME APPARENT AND WEATHER AND SEASON PERMIT.
  - WATER PLANTINGS IN A SATISFACTORY MANNER DURING AND IMMEDIATELY FOLLOWING PLANTING THREE PER WEEK, OR LESS UNDER HOT CONDITIONS, FOR A PERIOD OF FOUR WEEKS OR UNTIL ACCEPTANCE BY OWNER, WHICHEVER IS LESSER. PROVIDE ADDITIONAL WATERING DURING EXCESSIVE DRY PERIODS DURING THE MAINTENANCE PERIOD AS DIRECTED BY THE OWNER.
  - REPLACEMENT OF PLANTS: ANY PLANTS TO BE REPLACED PRIOR TO ACCEPTANCE OF WORK, OR UNDER TERMS OF WARRANTY SHALL BE INSTALLED FOLLOWING PROCEDURES SET FORTH ABOVE.

**PREPARATION:**

- PROTECTION OF SURROUNDING AREAS: CONTRACTOR SHALL CLEAN PAVEMENTS AT END OF WORKING DAY BEFORE ONSET OF INCLEMENT WEATHER TO PREVENT STAINING BY OR TRACKING OF MATERIALS. KEEP PAVEMENT AND WORK AREA IN AN ORDERLY CONDITION. DISPOSE OF TRASH AND DEBRIS CREATED BY LANDSCAPE OPERATIONS DAILY.

**WARRANTY:**

- WARRANT PLANT MATERIAL TO STAY ALIVE AND HEALTHY FOR A PERIOD OF ONE YEAR.

**SEEDING/SODDING NOTES:**

- NOTIFY OWNER AT LEAST 7 WORKING DAYS PRIOR TO START OF SEEDING/SODDING OPERATIONS.
- PRIOR TO PLANT MATERIAL ACCEPTANCE CONTRACTOR TO SUBMIT WRITTEN MAINTENANCE INSTRUCTIONS RECOMMENDING ADEQUATE AND REASONABLE PROCEDURES FOR MAINTENANCE OF SODDED AREAS.
- CONTRACTOR TO PROTECT EXISTING UTILITIES, PAVING, AND OTHER FACILITIES FROM DAMAGE CAUSED BY LANDSCAPING OPERATIONS. ANY DAMAGES TO UTILITIES, PAVING, ETC. TO BE REPAIRED OR REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
- CONTRACTOR IS RESPONSIBLE FOR RESTRICTING TRAFFIC FROM SEED/SOD AREAS UNTIL SEED/SOD IS ESTABLISHED. ERECT SIGNS AND BARRIERS AS REQUIRED.

**ACCEPTANCE:**

- INSPECTION TO DETERMINE ACCEPTANCE OF AREAS WILL BE MADE BY THE OWNER AND PROJECT LA UPON CONTRACTOR'S REQUEST. PROVIDE NOTIFICATION AT LEAST 10 WORKING DAYS BEFORE REQUESTED INSPECTION DATE.
- UPON ACCEPTANCE, THE OWNER WILL ASSUME SEED/SOD MAINTENANCE.

**CLEANING:**

- PERFORM CLEANING DURING INSTALLATION OF THE WORK AND UPON COMPLETION OF THE WORK. REMOVE FROM THE SITE ALL EXCESS MATERIALS, DEBRIS AND EQUIPMENT. REPAIR DAMAGE RESULTING FROM SODDING OPERATIONS.

**LANDSCAPE GENERAL NOTES:**

- ALL PLANT MASSES TO BE CONTAINED WITHIN MULCH BEDS. MULCH TO BE SHREDED PROCESSED HARDWOOD MULCH, DARK BROWN IN COLOR.
- TREES ARE TO BE LOCATED A MINIMUM OF 10' FROM ALL LIGHT POLES, FIRE HYDRANTS AND STREET SIGNS.
- UNIT PRICES FOR TREES AND SHRUBS SHALL INCLUDE THE PLANT MATERIAL, CUTTING OR STAKING AND BARK MULCH SAUCER.
- FERTILIZE TREES, SHRUBS AND PERENNIALS IN THE EARLY SPRING UP TO EARLY JUNE WITH A WATER-SOLUBLE FERTILIZER ACCORDING TO ACCEPTABLE LANDSCAPE INDUSTRY STANDARDS. THIS ITEM SHALL BE PAID FOR AT A ONE LUMP SUM UNIT PRICE.
- 1 YR. MAINTENANCE SHALL INCLUDE WATERING AND APPLICATION OF APPROPRIATE INSECTICIDE AND FUNGICIDES NECESSARY TO MAINTAIN THE GRASS FREE OF INSECTS, WEEDS AND DISEASE. FERTILIZE SEED AND SOO WITH A FOUR-STEP PROGRAM, WHICH IS TO INCLUDE CRABGRASS PREVENTION, WEED AND FEED, GRUB CONTROL AND WINTERIZATION. THIS ITEM SHALL BE PAID FOR AT A ONE LUMP SUM UNIT PRICE.
- CONTRACTOR SHALL MARK ALL STREET TREE LOCATIONS AND NOTIFY OWNER, ARCHITECT AND LA FOR APPROVAL.
- LANDSCAPE UNDERGROUND IRRIGATION SYSTEM - ADD/ALT. - CONTACT: GREENBAUM AND ROSE

**ENTRANCE MONUMENT PLANTING LIST**

**Broadleaf Deciduous**

Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
○	AcnO	Acer rubrum 'October Glory'	'October Glory' Red Maple	4" cal.	AS SHOWN	5
○	Acpl	Acer palmatum 'Atropurpurea'	Red Japanese Maple	8-10'	AS SHOWN	6

**Broadleaf Evergreen**

Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
○	Ilop	Ilex opaca	American Holly	8-10'	AS SHOWN	9
○	Nado	Nandina domestica	Heavenly Bamboo	3-6gal	AS SHOWN	57
○	NadoN	Nandina domestica 'Nana'	Dwarf Nandina	2-Gal	AS SHOWN	13

**Shrub**

Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
○	EvaIC	Evonymus alatus 'Compactus'	Compact Dwarf Burning Bush	3-4" BB.	AS SHOWN	18
○	IlgS	Ilex glabra 'Shamrock'	Shamrock Inkberry	2-Gal	AS SHOWN	63
○	JsscS	Juniperus scopulorum 'Skyrocket'	Skyrocket Juniper	2-Gal	AS SHOWN	17
○	CoseA	Cornus sericea 'Isanti'	Isanti Red-osier Dogwood	2-Gal	AS SHOWN	23
○	SpjaS	Spiraea japonica 'Shirobana'	'Shirobana' Spirea	2-Gal	AS SHOWN	6
○	BegH	Berberis x gladiolensis 'William Penn'	William Penn Barberry	2-Gal	AS SHOWN	3

**Grass**

Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
○	MisZ	Miscanthus sinensis 'Zebrinus'	Zebra Grass	5-Gal	AS SHOWN	14
○	CoacK	Calamagrostis acutiflora 'Karl Foerster'	'Karl Foerster' Feather Reed Grass	1-Gal	AS SHOWN	111

**Ground Cover**

Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
■	TaboR	Taxus baccata 'Repandens'	'Repandens' English Yew	1-Gal	2'0" O.C.	178
■	Hehe	Hedera helix	English Ivy	1-Gal	2'0" O.C.	1001

**Perennial**

Symbol	Code Name	Scientific Name	Common Name	Planting Size	Spacing	Quantity
■	PeatL	Perovskia atriplicifolia 'Little Spire'	Little Russian Spire Sage	1-Gal	18-24" O.C.	404
■	LimbB	Liriope muscari 'Big Blue'	Big Blue Lily Turf	1-Gal	1'0" O.C.	147
■	Chsu	Chrysanthemum x superbum	Becky Shasta Daisy	1-Gal	18-24" O.C.	404
■	HeS	Hemerocallis x 'Stella de Oro'	Stella de Oro Daylily	1-Gal	1'0" O.C.	147

NOTE:  
THERE IS NO LANDSCAPE SURETY REQUIRED FOR THIS ENTRANCE FEATURE LANDSCAPE PLANTING.

**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE 9-14-06  
Ks

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
Director [Signature] Date 11/15/06  
Chief, Division of Land Development [Signature] Date 11/9/06  
Chief, Development Engineering Division [Signature] Date 11/9/06

DEVELOPERS' CERTIFICATE  
I/We certify that the landscaping shown on this plan will be done according to the plan, Section 16.124 of the Howard County Code and the Landscape Manual. I/We further certify that upon completion of the landscape installation, a letter of notice, accompanied with an executed one year guarantee of plant materials, will be submitted to the Department of Planning and Zoning.  
[Signature] Date 10-10-06



**GLWGUTSCHICK LITTLE & WEBER, P.A.**  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3908 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MARYLAND 20866  
TEL: 301-421-4024 BALT: 410-381-9200 DC/VA: 301-381-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.

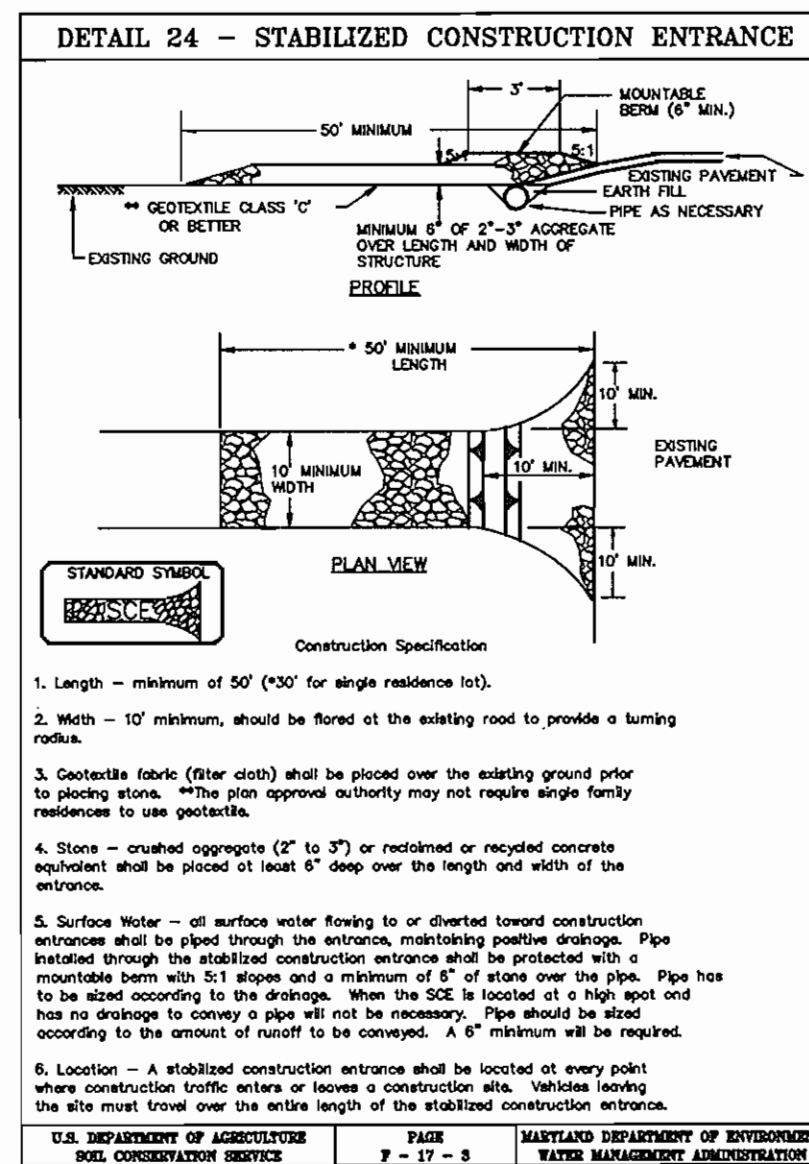
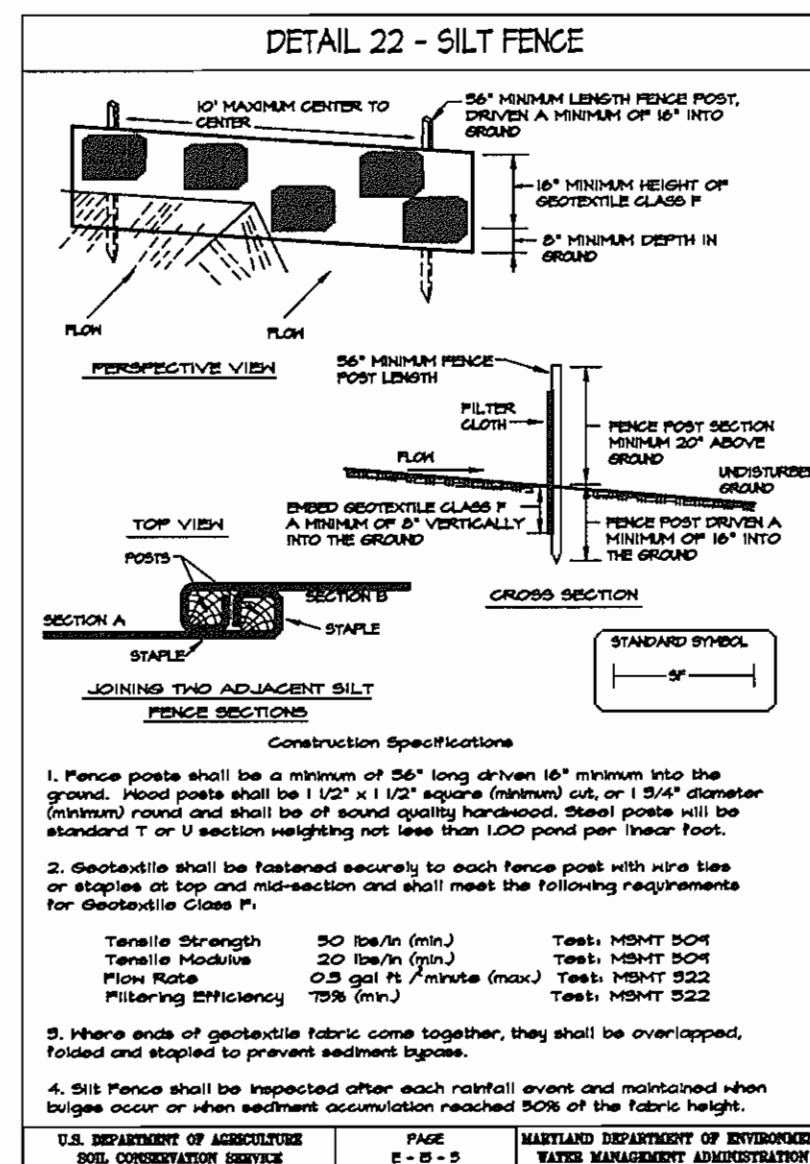
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SUITE 300 WOODHOLME CENTER  
1829 REISTERSTOWN ROAD  
BALTIMORE, MD 21208  
ATTN: CHARLIE O'DONOVAN  
410-484-8400

**LANDSCAPE NOTES AND PLANT LISTS**  
**MAPLE LAWN FARMS**  
**JOHNS HOPKINS ROAD/MAPLE LAWN BLVD ENTRANCE**  
OPEN SPACE LOT 230, PARCEL A-4, & PARCEL RR-2  
ELECTION DISTRICT No. 5  
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OCT., 2006	41-16	7 OF 8

**DESIGN**  
COLLECTIVE  
100 EAST PRATT STREET  
14<sup>TH</sup> FLOOR  
BALTIMORE, MARYLAND 21202  
Telephone 410.685.6655  
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**SEQUENCE OF CONSTRUCTION**

Note: the sequencing applies to both wall locations.

1. Obtain grading permit and arrange for an on-site pre-construction meeting. (1 day)
2. Inspect and repair as needed, the existing sediment control devices installed under F-03-01 and F-03-40. (2 days)
3. Install silt fence as shown on these plans. (2 days)
4. Fine grade area and construct wall. (1 month)
5. Stabilize area in accordance with the permanent seeding notes. (1 day)
6. With permission from the sediment control inspector, remove sediment and erosion control devices and stabilize areas as needed. (1 day)

Note: The improvements shown on these plans will be constructed simultaneously with the improvements shown on F-03-01 and F-03-40.

**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 1944 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  3. Following initial soil disturbance or redistribution, 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 site.
  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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. For permanent seedings, sod, temporary seeding 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                 | : 0.24 Acres     |
| Area Disturbed                     | : 0.24 Acres     |
| Area to be roofed or paved         | : 0.00 Acres     |
| Area to be vegetatively stabilized | : 0.24 Acres     |
| Total Cut                          | : 0 Cu. Yds.     |
| Total Fill                         | : 1,080 Cu. Yds. |
- Off-site waste/borrow area location: Maple Lawn Farms Business District (F-03-01)
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 DPM Sediment Control Inspector.
  10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
  11. Trenches for the construction of utilities is limited to 3 pipe lengths or that which shall be backfilled and stabilized within one working day, whichever is shorter.

NOTE: TOTAL CUT AND FILL QUANTITIES ARE FOR PLAN PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EARTHWORK AT TIME OF CONTRACT

**PERMANENT SEEDING NOTES**

Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless previously loosened).

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (42 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 ureaform 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 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 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (14 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (25 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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 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 redistributed where a short-term vegetative cover is needed.

Seeded 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).

Seeding: For periods March 1 thru April 30 and from August 15 thru October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (21 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 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 2 1/2 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 1944 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

**STANDARD AND SPECIFICATIONS FOR TOPSOIL DEFINITION**

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

**PURPOSE**

To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

**CONDITIONS WHERE PRACTICE APPLIES**

- I. This practice is limited to areas having 2:1 or flatter slopes where:
  - a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
  - b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
  - c. The original soil to be vegetated contains material toxic to plant growth.
  - d. The soil is so acidic that treatment with limestone is not feasible.
- 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.
  - 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 an 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 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 of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- II. 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.
- III. 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

**APPROVED PLANNING BOARD OF HOWARD COUNTY**

DATE 9-14-06

YES

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Director Stephen Lippert 11/15/06  
 Chief, Division of Land Development Conrad Hanna 11/15/06  
 Chief, Development Engineering Division Michael... 11/15/06

**DEVELOPER'S/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."

Signature of Developer/Builder [Signature] Date 10-10-06

**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."

Signature of Engineer [Signature] Date 10/10/06



These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

Signature of Engineer [Signature] Date 10/31/06

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

Signature of Engineer [Signature] Date 10/31/06

**GLWGUTSCHICK LITTLE & WEBER, P.A.**

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
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PREPARED FOR:  
 G&R MAPLE LAWN INC.  
 SUITE 300 WOODHOLME CENTER  
 1829 REISTERSTOWN ROAD  
 BALTIMORE, MD 21208  
 ATTN: CHARLIE O'DONOVAN  
 410-484-8400

**SEDIMENT CONTROL NOTES AND DETAILS**

**MAPLE LAWN FARMS**  
 JOHNS HOPKINS ROAD/MAPLE LAWN BLVD ENTRANCE  
 OPEN SPACE LOT 230, PARCEL A-4, & PARCEL RR-2

SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	MXD-3	04001B
DATE	TAX MAP - GRID	SHEET
Oct 1, 2006	41-16	8 OF 8