General Notes

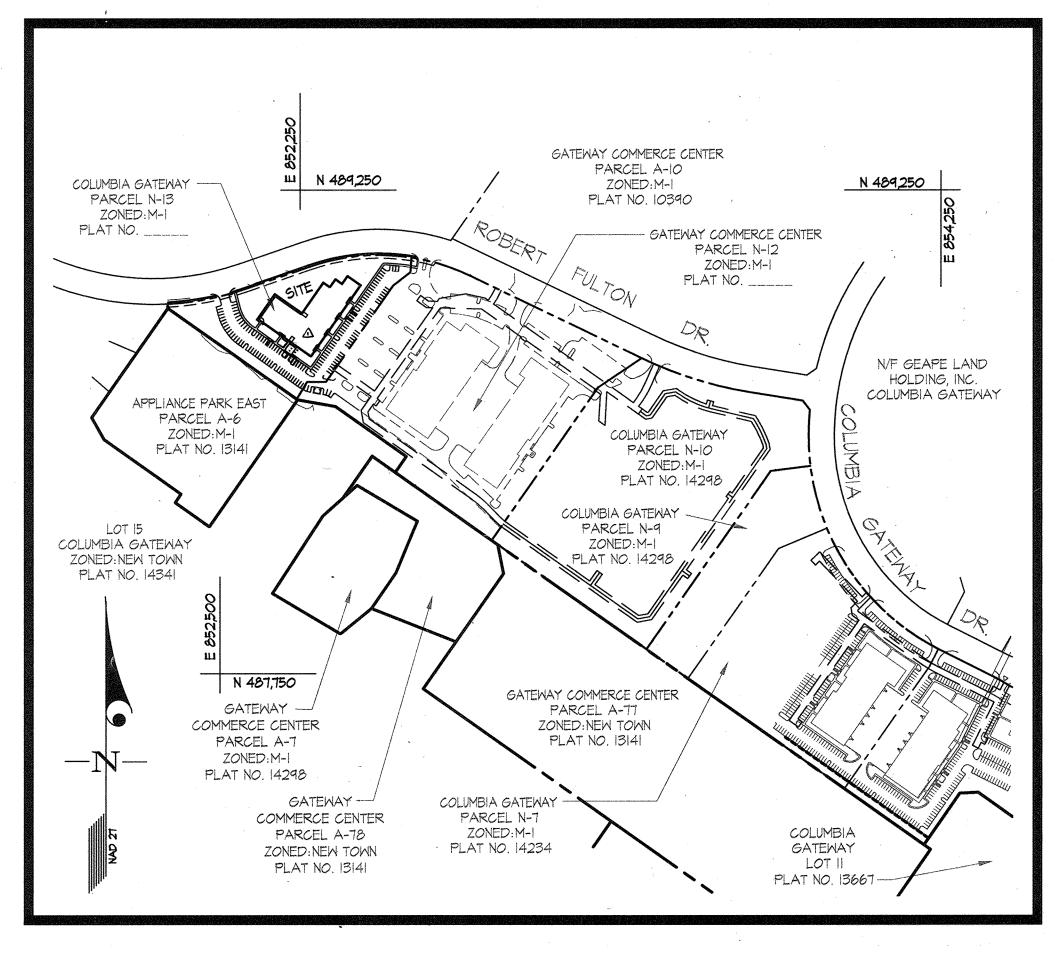
All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable

- 2. The contractor shall notify the Department of Public Works, Bureau of Engineering/ Construction Inspection Division at (410) 313-1880 at least 48 Hours prior to the start of
- 3. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any
- 4. The contractor shall notify the Howard County Department of Public Works, Bureau of Utilities at (410) 313-4900 at least five (5) working days prior to starting any excavation
- 5. Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place before the placement of any asphalt.
- 6. Proposed Use: Office (1 story no mezzanines),
 Religious Facilities & Accessory Retail (2) 7. All plan dimensions are to face of curb or face of building unless otherwise noted. Dimensions are mesured perpendicular or radially between items unless otherwise noted.
- 8. Existing topography is shown per field run survey information by Gutschick, Little & Weber, P.A. in March, 2004 & from design plans for construction.
- q. Coordinates and bearings are based upon the howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System. Howard County Monument Nos. 2243002 and 2243003 were used for this project.
- 10 Water and sewer service is public.
- 11. All existing water and sewer is per Contract 24-1440-D, 24-1587-D \$ 20-1397-D
- 12. All existing public storm drain is per F-87-63 \$ F-86-128.
- 13. See trench bedding class "C" for storm drains.
- 14. Recording reference: Plat No. 17094
- 15. Existing utilities are based on approved design plans for construction and field location by Gutschick, Little & Weber, P.A.
- 16. There is no floodplain on Site.
- 17. There are no streams, wetlands, or steep slopes on the site.
- 18. Building setbacks and building restrictions are per Plat No. 14298
- 19. This site is exempt from the Forest Conservation requirements of Section 16.1200 of the Howard County Code by Section 16.1202(b)(1)(IV).
- 20. In case of discrepancies between the plat and the plans, the plat shall govern.
- 21. No clearing, grading or construction is permitted within any wetland, wetlands buffer, 50'
- 22. All outdoor lighting shall comply with the requirements of zoning section 134. See sheet 3 Lighting Fixture Schedule.
- 23. The Landscape Plan was prepared according to the Alternative Compliance Section of the
- 24. Stormwater Management, for quality and quantity, is being provided in a regional facility, which was constructed under F-97-98. An Amendment to the Stormwater Management Report for Columbia Gateway was prepared under F 00-74. This Amendment indicates that the regional facility satisfies the Stormwater Management needs for this parcel.
- 25. There are no known cemeteries, grave sites or historic structures located on the subject
- 26. There are no scenic roads within or adjacent to the subject property.
- 27. Because this plan submission is non-residential use, a noise study is not required.
- 28. Building will have automatic fire protection sprinkler system.
- 29. All curb radii are 5'R. unless otherwise noted.
- 30. This site is subject to a 10' parking and fence setback.
- 31. A shared parking easement for Parcels N-9 through N-11 has been recorded in the Land Records of Howard County, Maryland in Liber 5182 Folio 273.

SITE DEVELOPMENT PLAN

COLUMBIA GATEWAY

PARCEL N-13



KEY MAP SCALE : I" = 300'

A SIGNATURE &

LEGEND EX. CONTOUR PROP CONTOUR EX. TREES EX. STORM DRAIN PROP. STORM DRAIN LIMIT OF SUBMISSION EX. SANITARY SEWER PROP. SANITARY SEWER PROPOSED WATERLINE EX. CURB & GUTTER CONCRETE CURB & GUTTER PROPOSED REVERSE CURB & GUTTER CONCRETE SIDEWALK DUMPSTER OR UTILITY PAD EX. EASEMENTS × 78 88 TOP OF PAVING SPOT SHOT NUMBER OF PARKING SPACES PROP. LIGHT FIXTURE & POLE EX. LIGHT FIXTURE & POLE HANDICAP CURB RAMP (SEE DETAIL SHEET 3)

ENTRANCE

Sheet Index

4. Site \$ Handicap Accessibility Details

7. Sediment Control Notes & Details

8. Landscape/Perimeter Planting Plan

6. Sediment Control Plan/Drainage Area Map

9. Landscape Notes, Details, Plant List \$ Schedules

1. Cover Sheet

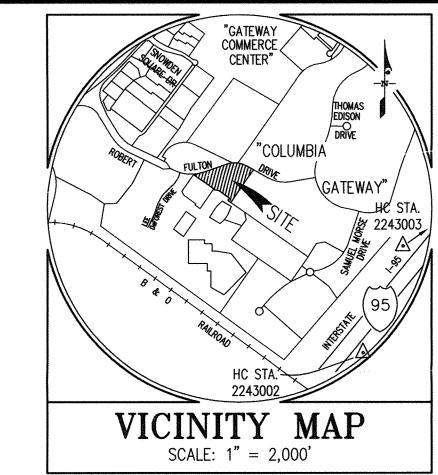
10. Striping Plan

ELECTION DISTRICT No. 6

2. Site Development Plan

3. Site Details & Paving Plan

5. Storm Drain/Utility Profiles



<u>BENCHMARKS</u>

ELEV. = xxx.xx STANDARD DISC ON CONCRETE MONUMENT

Site Analysis Data Chart

1. Gross Area Parcel N-13: 168,880 SF or 3.87 Ac.

2. Limit of Disturbed Area = 152,460 SF or 3.50 Ac.

I STORY OFFICE , INDUSTRIAL AND INDOOR ATHLETIC FACILIE 4. Proposed Use: Hatory office, light manufacturing, and accessory retail building a Peligious Facilities Indoor Athlete Facilities 5. Gross Floor Area: 32,850 SF

- 6. No. of standard parking spaces required: 1/2. spaces
- 7. No. of handicap spaces required: 6 spaces (2 van space).
- 8. No. of standard parking spaces provided: 144 spaces.
- 9. No. of handicap spaces provided: 6 spaces (4 van spaces).
- 10. Total parking spaces provided: 150 spaces.
- II. Building Percent Coverage: 32,850/168,880 = 19.5% 12. Project background: See Dept. of Planning & Zoning File Numbers: P-86-22, S-84-44, F-85-55, F-85-63, F-86-17,

F-86-63, F-86-182, F-87-96, F-88-91, F-90-175, F-91-16, F-92-15, F-97-98, F-99-156, F-00-11 & 6P-01-24, F-05-26, F-00-148, F-00-160.

32,850 S.P Gross Floor Area: Light Manufacturing / Office: 15517 0. F. (2)

(4,922 o.f. Annembly Area) A Barking Requirements tor Light Manufacturing / Office (@ 3.3 space per +000 s.f.): 52 space For Accessory Retail (0 5.0 space per 1000 s.F.):

Agembly Ared) 32,850 SF A Gross Floor Area: Fight Monufacturing loprice 26,992 SP Accessory Retail Indeer Athletic Facility 3,858 SF

(Area of Assembly) 2,929 SE & PARKING REQUIREMENTS

For Light Manufacturing/ CTTICE (@325 FOCE PER COOST & 895 FOCE For Adegeory Retail (05 spaces per 1000 5-) = Indoor Athletic Facility Clospaces fee (parassembly) = 30 space Fotol Required Spaces : 129 staces
Parking Provided = 150 spaces

* NOTE: THIS PARKING ANALYSIS ASSUMES THAT THE PRIMARY USE OF THE RELIGIONS FACILITY IS FOR SERVICES ON THE WEEKENDS. IF THE CHURCH ACTIVITIES CHANGE TO ADD ADDITIONAL USES SUCH AS 5 DAY A WEEK DAYCARE OR SCHOOL, A NEW REDLINE MUST BE SUBMITTED TO HOWARD COUNTY.

A Gross Floor Area 32,850 SF Office/Industrial 28,586 SF Indoor Athletic Facility 4,264 SF (Area of Assembly) (3,300 SF)

A PARKING REQUIREMENTS

3.3 SPACES/1,000 = 95 Spaces Office/Industrial 26,586 SF Indoor Recreation 4,264 SF

6 3,300 SP Assembly Avea)

105PACES/1,000 = 33 SPACES 32,850 ST TOTAL PARKING REQUIRED = 128 150 PROVIDED

				ADDRESS CHART	
	CELIED CODE	PARCEL NUMBER	, S	TREET ADDRESS	
WATER CODE: EO6	SEWER CODE: 4900000	N-13	8	681 ROBERT FULTON	I DRIVE
SUBDIVISION N COLUMBI	AME: A GATEWAY		SEC	TIONAREA	PARCELS P/O P 670
PLAT No.	ZONE	TAX MAP	BLOCK	ELEC. DIST.	CENSUS TRACT
17094	M-I	42	11	6	6067.03

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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

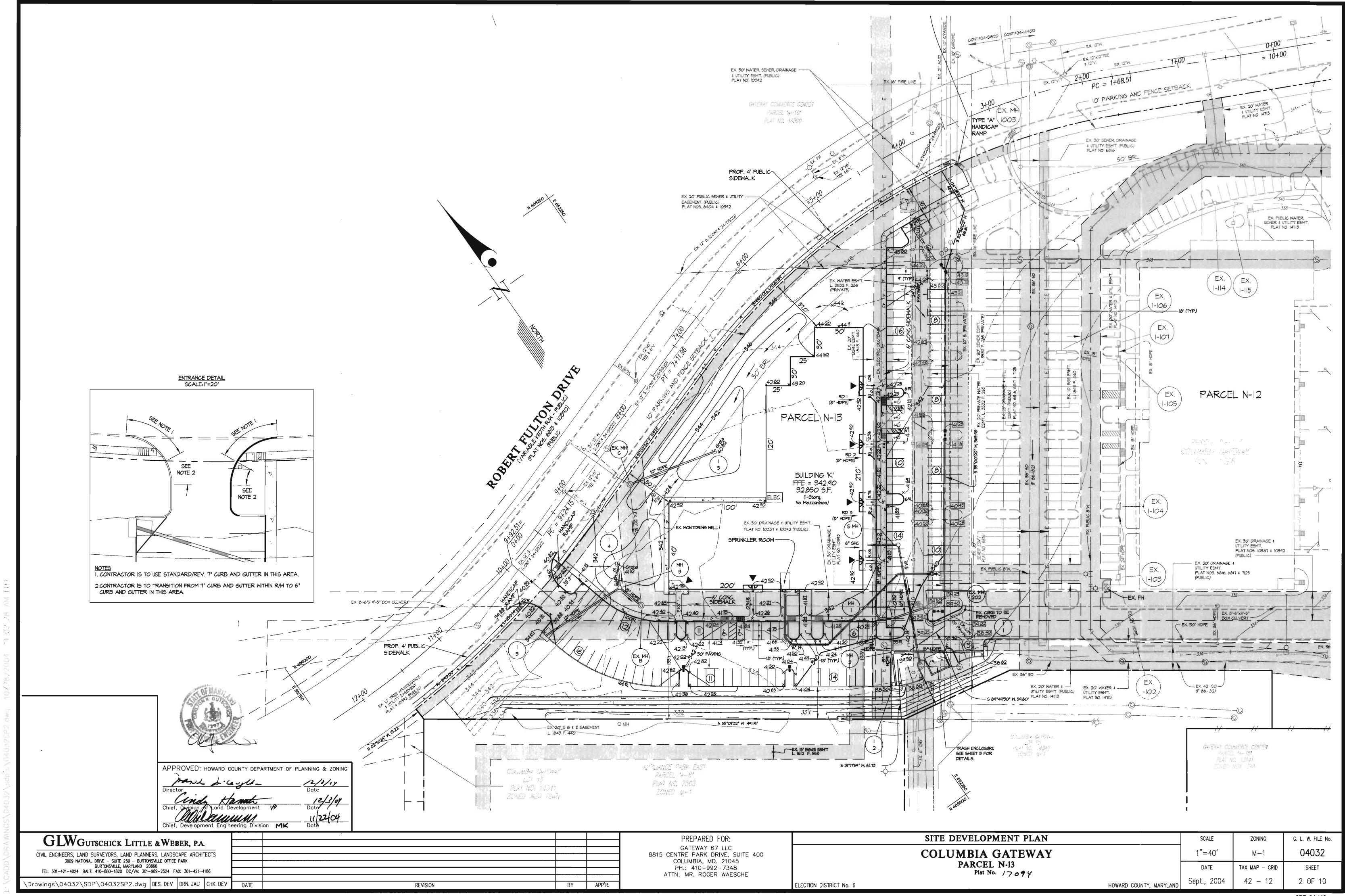
Chief, Development Engineering Division MK 1) Show 2000 SF accessory retail, new sprinkler room & door locations. Revised required parking accordingly 1NG 7/22/15 /2) Religious Facilities added as a use Parking tabulation revised.

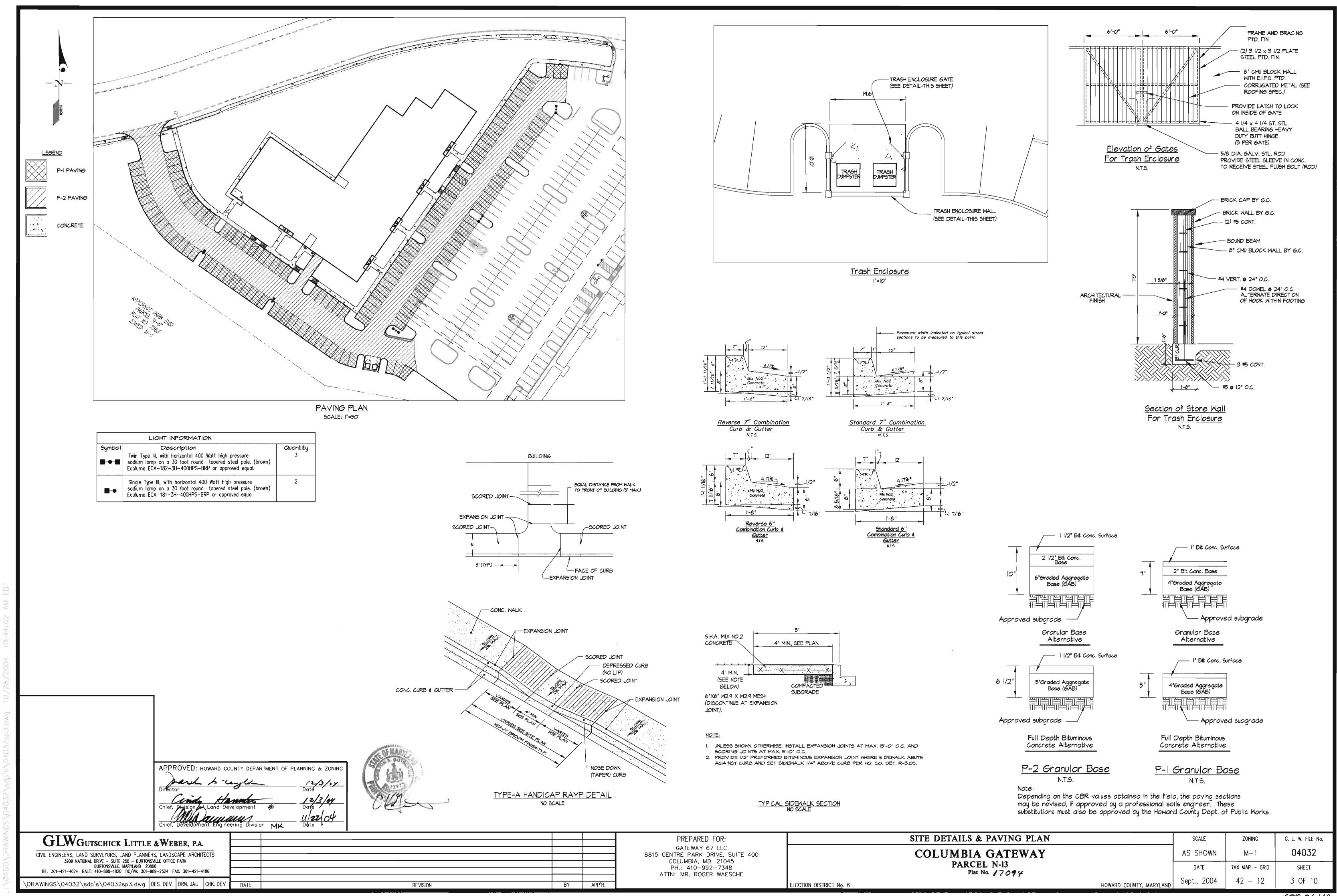
9+ 124/17 13 Delete Religious Facilities Add Indear Athletic Facility Barking Tabulation Rouse Mc 1/08/18 4 REVISE NOTATION OF OPPICE/LIGHT MANUFACTURING TO OPPICE/INDUSTRIAL PREVER PARKING CALL MC Drawings\04032\sdp's\04032sp1.dwg | DES. DEV | DRN. JAU | CHK. DEV REVISION

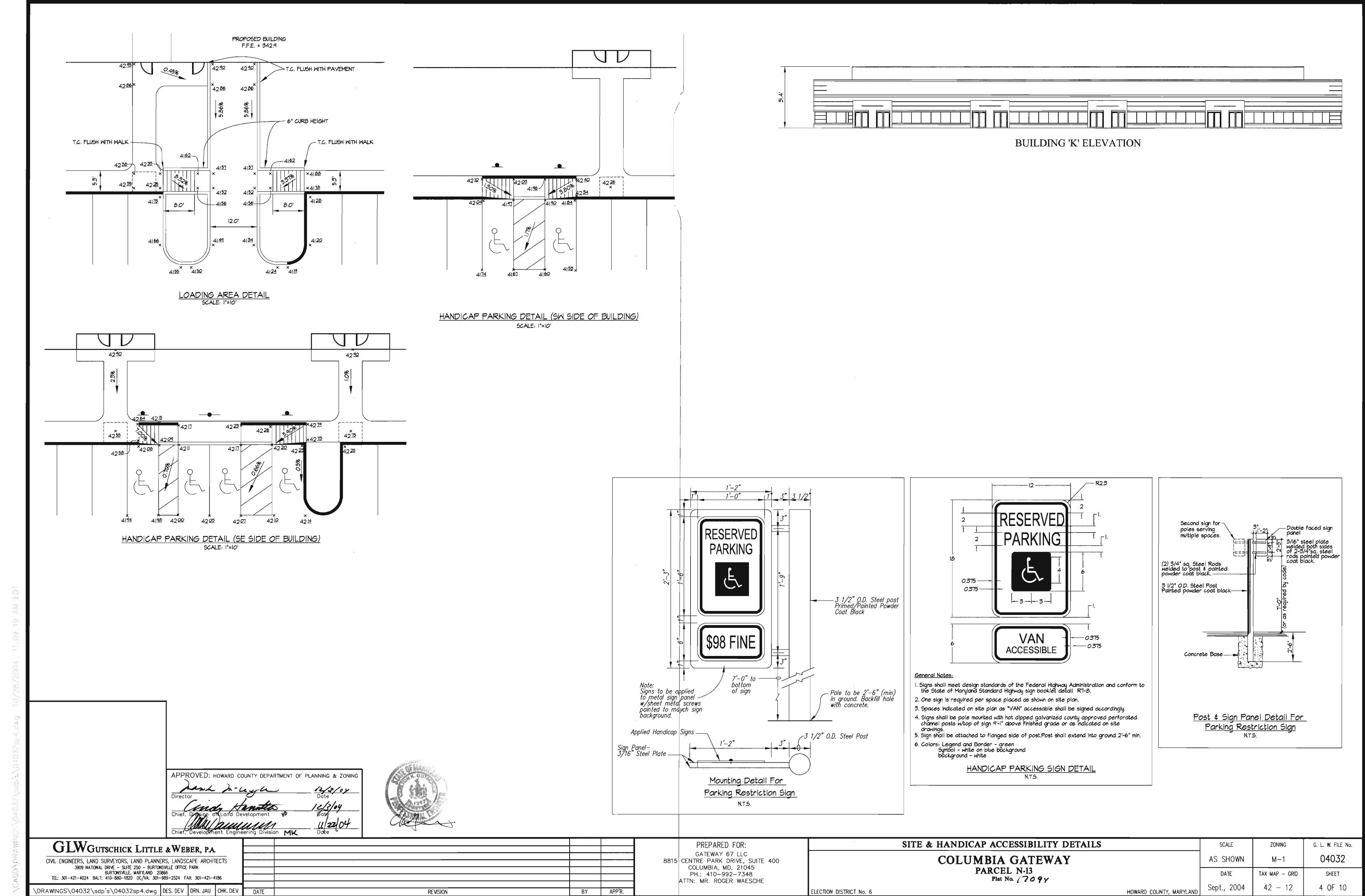
PREPARED FOR: GATEWAY 67 LLC 8815 CENTRE PARK DRIVE, SUITE 400 COLUMBIA, MD. 21045 PH.: 410-992-7348 ATTN: MR. ROGER WAESCHE

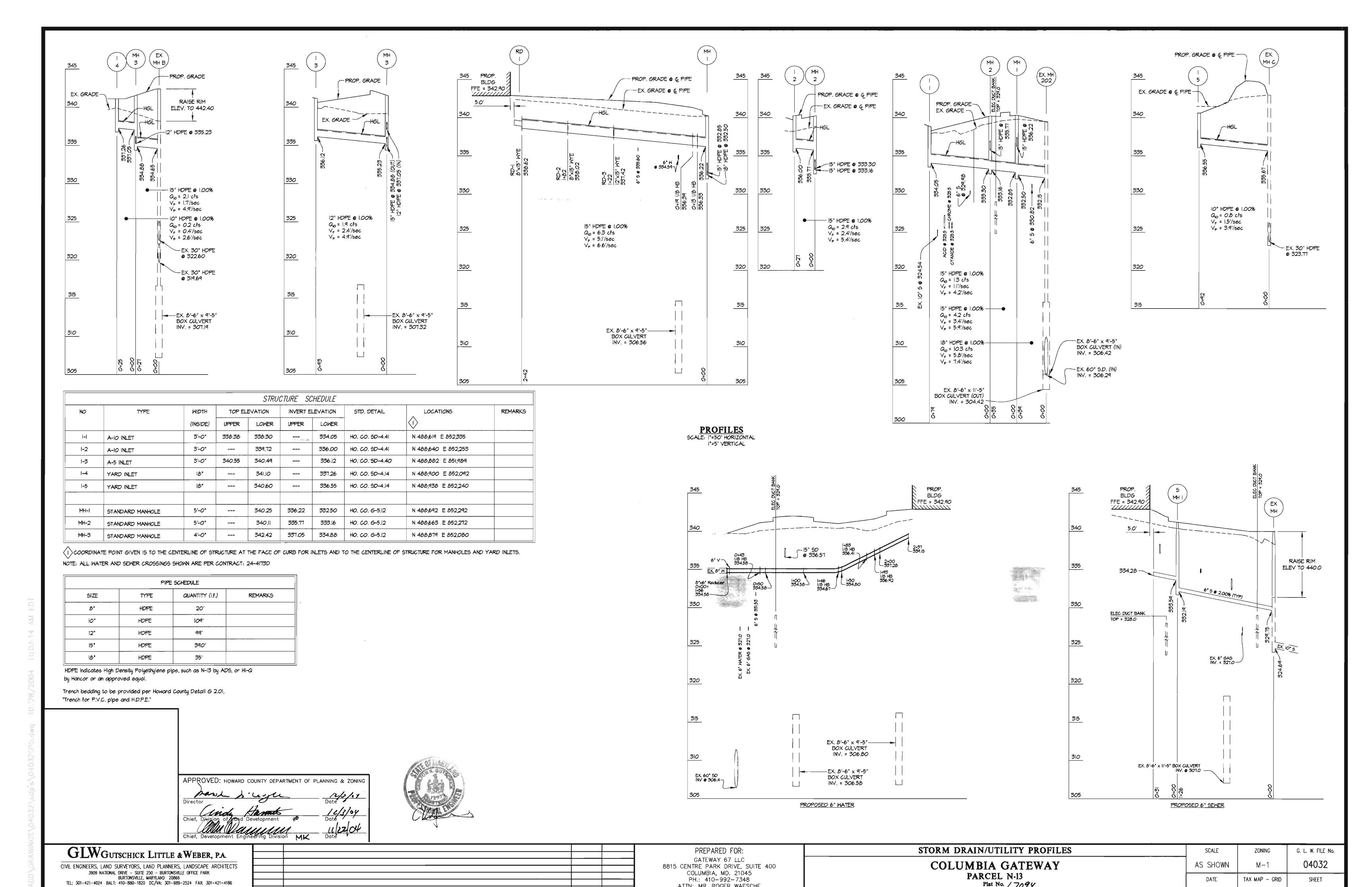
COLUMBIA GATEWAY PARCEL N-13

COVER SHEET G. L. W. FILE No. SCALE 04032 AS SHOWN TAX MAP - GRID SHEET Plat No. 17094 Sept., 2004 1 OF 10 42 - 12 HOWARD COUNTY, MARYLAND









PH.: 410-992-7348

ATTN: MR. ROGER WAESCHE

ELECTION DISTRICT No. 6

BY APP'R.

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DATE

REVISION

SHEET

5 OF 10

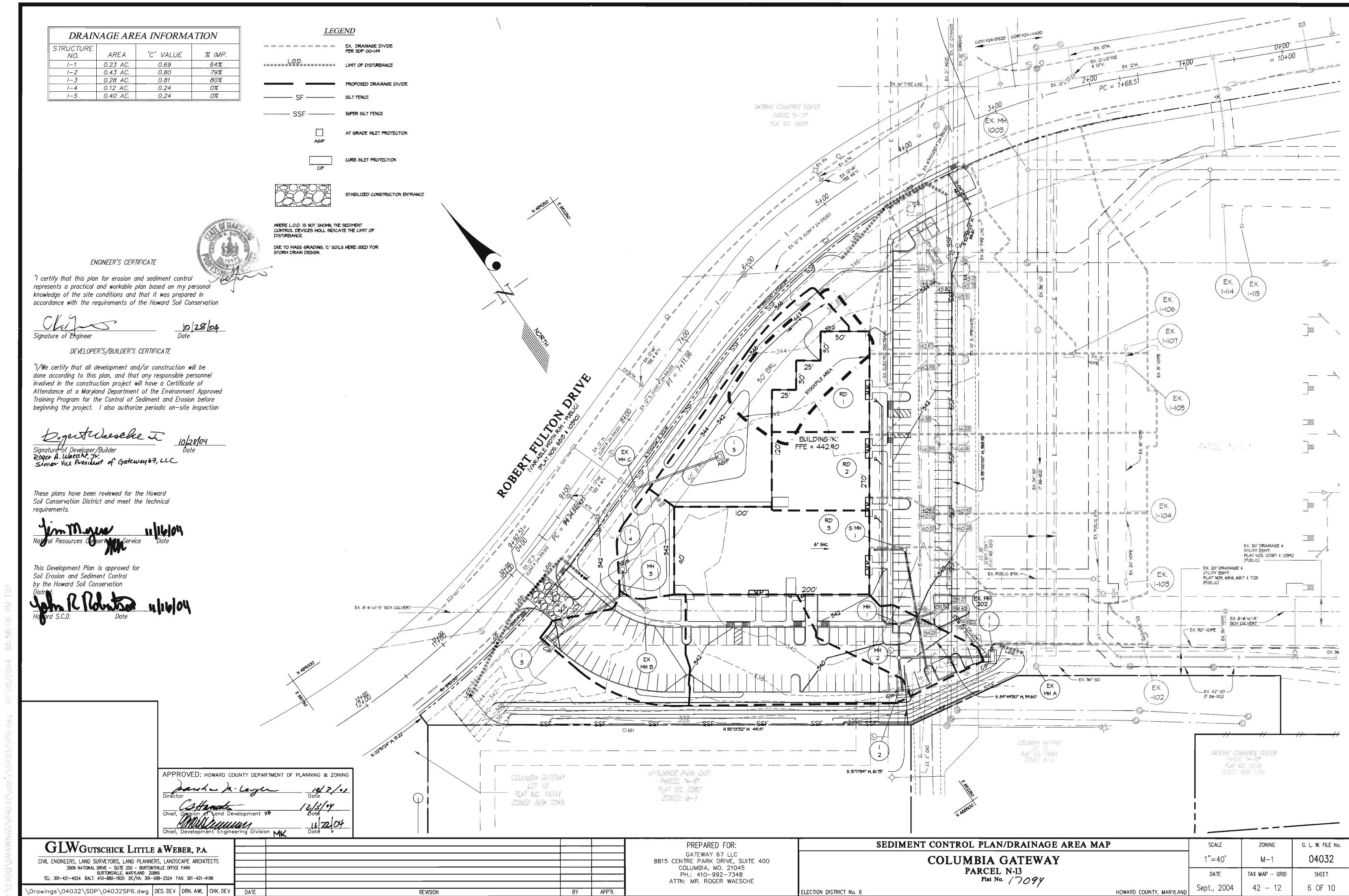
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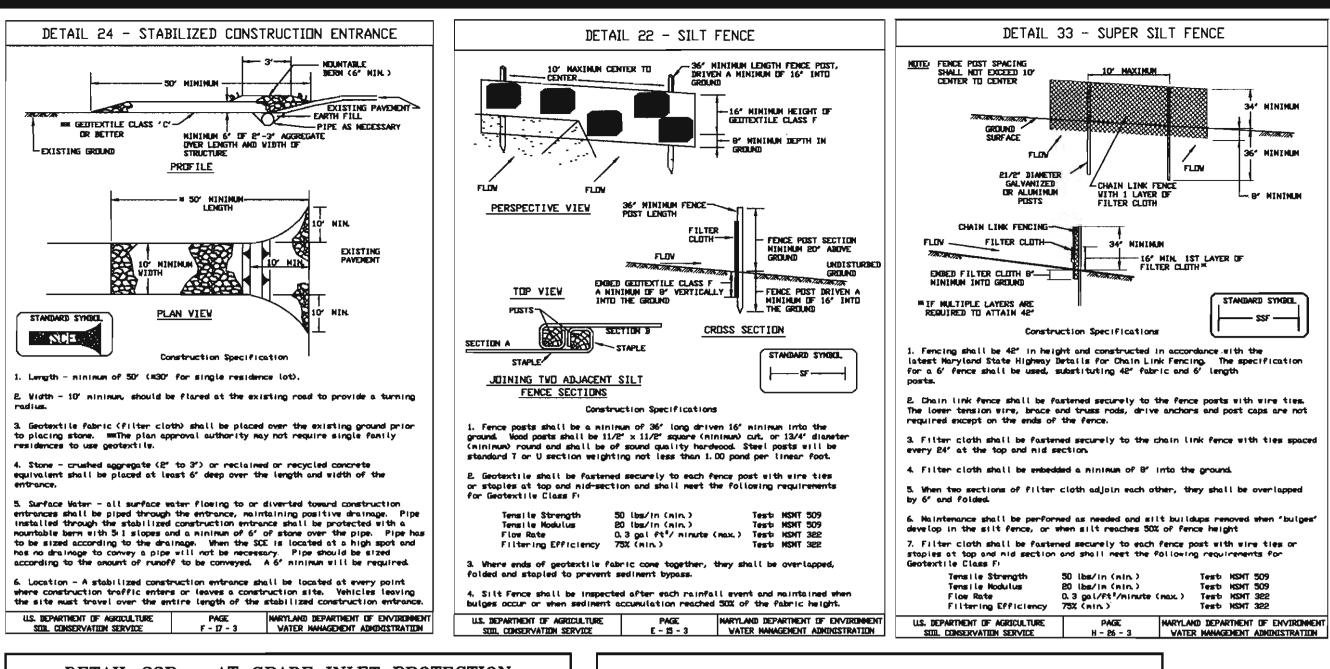
Sept., 2004

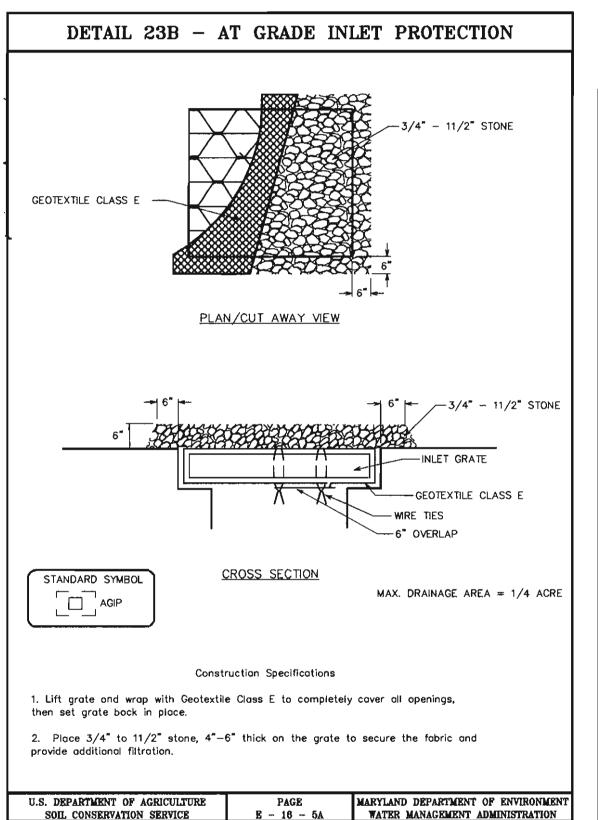
HOWARD COUNTY, MARYLAND

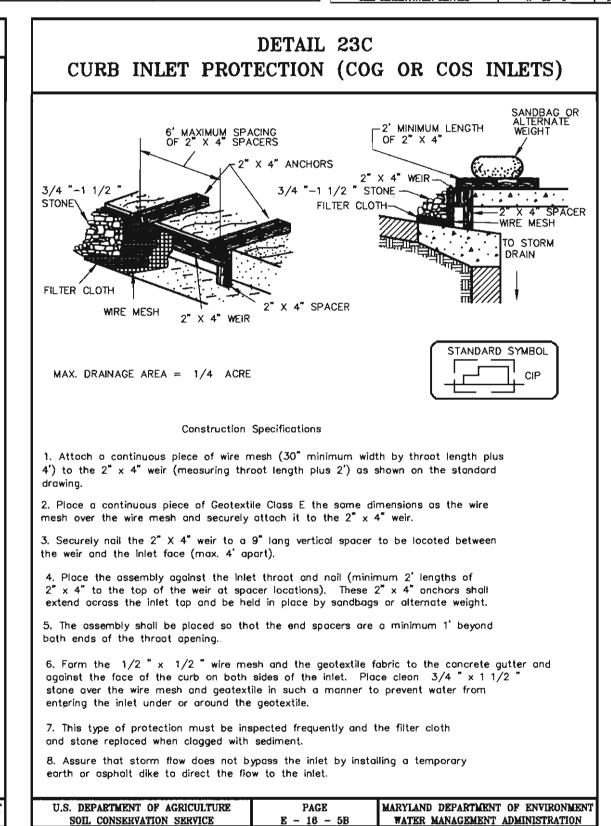
Plat No. / 7094

TAX MAP - GRID









APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

REVISION

ENGINEER'S CERTIFICATE



BY APP'R.

"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

ELECTION DISTRICT No. 6

PERMANENT SEEDING NOTES

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

Seedbed 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 (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 unreaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 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 (1.4 lbs/1000 sa 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 (.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 Ibs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sa 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 greas likely to be redisturbed where a short-term vegetative cover is needed.

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

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sa 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 (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted, weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchorina.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

SEDIMENT CONTROL NOTES

- 1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (410) 313-1855.
- 2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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 site.
- 4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, 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
- 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.

when recommended seeding dates do not allow for proper

germination and establishment of grasses.

- 7. Site Analysis: Tatal Area of Site 3.87 Acrest Area Disturbed 3.50 Acres± 2.05 Acres± Area to be roofed or paved Area to be vegetatively stabilized . 1.45 Acres± Total Cut 329 Cu. Yds. Total Fill 8619 Cu. Yds.
- 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

Off-site waste/borrow area location: To be determined

- 9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
- 10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other 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.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT AND ARRANGE PRE-CONSTRUCTION MEETING WITH SEDIMENT CONTROL INSPECTOR. (1 DAY)
- 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE/SUPER SILT FENCE. (2 DAYS) SILT FENCE THAT IS KNOCKED DOWN DURING CONSTRUCTION IS TO BE REPAIRED IMMEDIATELY OR BY THE END OF THE WORK DAY.
- 3. CONSTRUCT THE WATER FROM THE EXISTING STUB AND THE SEWER FROM THE EXISTING MANHOLE
- TO WITHIN 5 FEET OF THE BUILDING. INSTALL THE STORM DRAIN SYSTEM. (5 DAYS) 4. GRADE SITE.
- 5. CONSTRUCT BUILDING.
- 6. FINE GRADE SITE.
- 7. INSTALL CURB AND GUTTER, SIDEWALK, AND BASE PAYING. STABILIZE REMAINING AREAS WITH GRASS, SEED, AND MULCH. (7 DAYS)
- 8. WHEN AREAS DRAINING TO THE SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED AND PERMISSION IS GRANTED BY THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES. (1 WEEK)
- 9. INSTALL SURFACE PAVING. (1 WEEK)
- 10. INSTALL LANDSCAPING. (1 WEEK)
- 11. REMOVE ANY REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE AREAS AS NECESSARY. (3 DAYS)

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

Vice President of Gateway 67, LLC

Soil Conservation District and meet the technical

These plans have been reviewed for the Howard

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

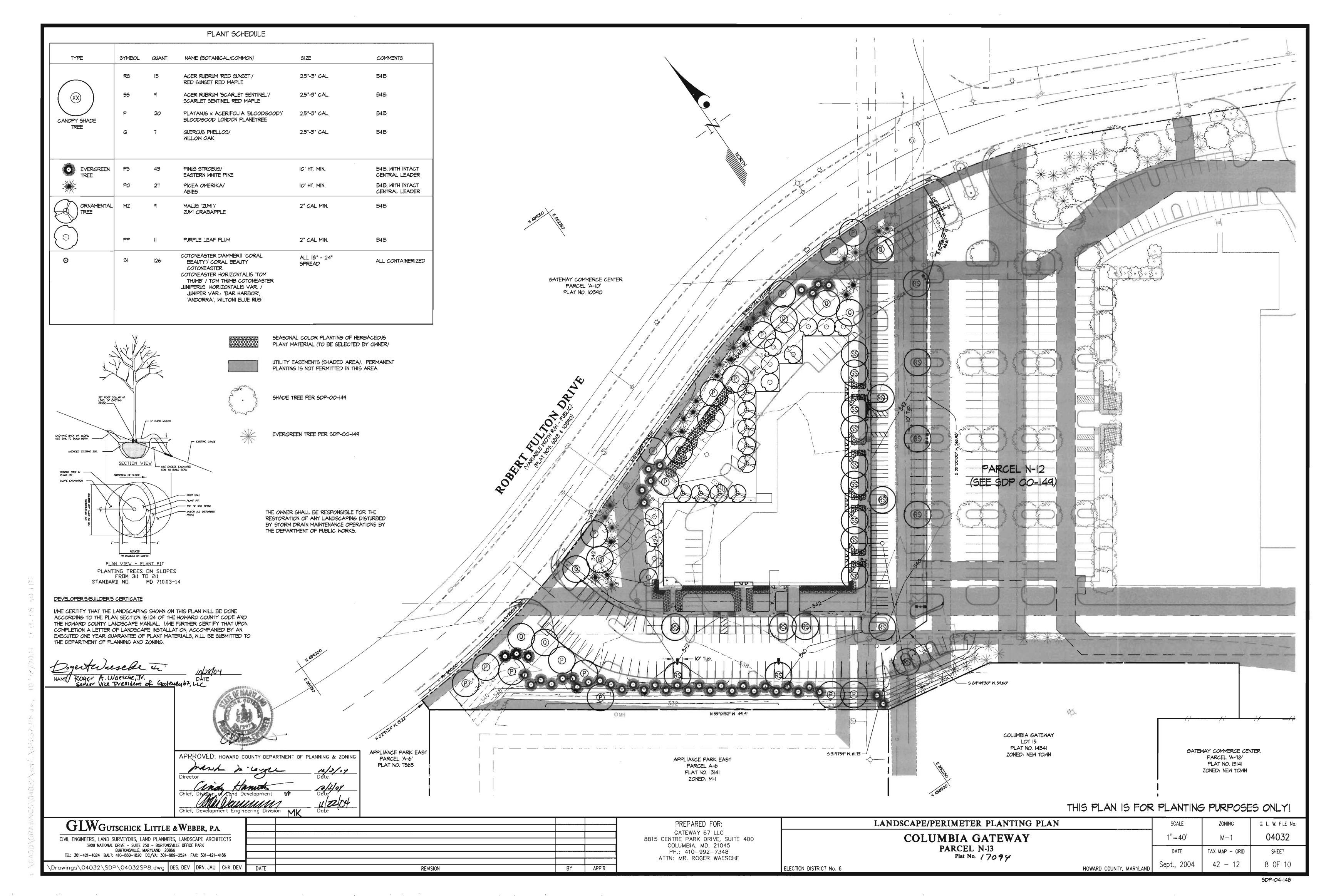
GLWGUTSCHICK LITTLE & WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

\DRAWINGS\04032\sdp's\04032SP7.dwg | DES. DEV | DRN. JAU | CHK. DEV |

PREPARED FOR: GATEWAY 67 LLC 8815 CENTRE PARK DRIVE, SUITE 400 COLUMBIA, MD, 21045 PH.: 410-992-7348 ATTN: MR. ROGER WAESCHE

SEDIMENT CONTROL NOTES & DETAILS **COLUMBIA GATEWAY** PARCEL N-13 Plat No. /7094

G. L. W. FILE No. NO SCALE DATE TAX MAP - GRID SHEET Sept., 2004 42 - 12 7 OF 10 HOWARD COUNTY, MARYLAND





This plan has been prepared in accordance with Section 16.124 of the Howard Caunty Code and Chapter VI (Alternative Compliance) of the Howard County Landscape

Contractor shall notify all utilities at least (5) five days before starting work. All General Notes, especially those regarding utilities, an Sheet 1 shall

3. Field verify underground utility locations and existing conditions before starting planting work. Contact engineer / landscope architect if any relocations

4. Plant quantities shown on Plant List are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on the plan and those shown an the plant list, the quantities on the plan shall take precedence.

5. All plant moterial sholl be full, heavy, well formed, and symmetrical, and conform to the A.A.N. Specifications, and be installed in accordance with project specifications.

6. No substitution shall be made without written consent of the awner or his representative.

7. All areas disturbed by construction activities but not atherwise planted, paved, or mulched shall be seeded ar sodded in accordance with the project

8. The cantractor shall notify the owner in writing if he/she encounters soil drainage canditions which may be detrimental to the growth of the plants. 9. All exposed earth within limits of planting beds shall be mulched with

10. Planting is NOT PERMITTED within utility easements.

shredded hardwood mulch per Planting Details.

11. The owner, tenant, and/or their agents shall be responsible for maintenance of the required landscaping, including both plant materials and berms, fences and walls. All plant materials shall be maintained in good growing condition, and when necessory, replaced with new materials to ensure continued compliance with applicable regulations. All other required landscaping shall be permanently maintoined in good condition, and, when necessary, repaired and replaced.

12. "Schedule A - Perimeter Landscape Edge: and "Schedule B - Porking Lat Internal Landscaping" are provided for landscape surety calculation purposes only. Financial surety for the required landscaping shall be posted with the grading permit application in the amount of \$16,470.00 for the following:

TOTAL EQUIVALENT SHADE TREE = 93

\$ 2,970.00 far 99 shrubs at \$30/shrub

\$10,800.00 for 36 shade trees at \$300/tree

\$ 2,700.00 for 18 evergreen trees at \$150/tree \$16,470.00 tatal landscape surety

Tabulation for landscape shown: Required planting by HRD for 3.87 acres of R&D/OFFICE at 24 trees / acre = 93 trees (or equivalent)

<u>Planting provided:</u> Shade Trees (existing and proposed): 50 Ornomental Trees: 16 = 8 E.S.T. (equivalent shade tree) Evergreen Trees 70 = 35 E.S.T.

SCHEDULE-A: PERIMETER LANDSCAPE EDGE PERIMETER No.

USE SITUATION	PARKING ADJ. TO ROADWAY	1	COMMERCIAL TO COMMERCIAL
LANDSCAPE TYPE	E	С	A
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	396 LF	358 LF	508
CREDIT FOR EXISTING VEGETATION	NONE	NONE	NONE
CREDIT FOR WALL, FENCE OR BERM	NONE	NONE	NONE
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	10 N/A 99	9 18 N/A	9 N/A N/A
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES	OVER 10 SHALE EVERGREEN TR	•	3 SHADE TREES ARE PROVIDED.

OTHER TREES (@ 2:1 substitution) | SHRUBS (OR EQUIVALENT

SHRUBS (10:1 substitution)

REVISION

SCHEDULE-B: PARKI	NG LOT INTERNAL LANDSCAPING
NUMBER OF PARKING SPACES	144
NUMBER OF SHADE TREES REQUIRED (1 PER 10 SPACES FOR RESIDENTIAL; 1 PER 20 SPACES FOR COMMERCIAL)	8
NUMBER OF TREES PROVIDED SHADE TREES OTHER TREES (2:1 SUBSTITUTION)	14 PARKING LOT ISLANDS ARE PROVIDED. 12 OF THE THE ISLANDS ARE PLANTED WITH SHADE TREES (11-RS & 1-Q).

PLANT MATERIALS AND PLANTING METHODS

A. Plant Materials

The landscope cantractar shall furnish and install and/or dia, ball, burlap and transplant all of the plant materials called for on drawings and/or listed in the

1. Plant Names

Plant names used in the Plant Schedule shall conform with "Standardized Plant Names," latest edition.

2. Plant Standards

All plant material shall be equal to or better than the requirements of the "USA Standard for Nursery Stock" latest edition, as published by the American Association of Nurserymen (hereafter referred to as AAN Standards). All plants shall be typical of their species and variety, shall have a normal habit of grawth and shall be first quality, sound, vigorous, well-branched and with healthy, well-furnished root systems. They shall be free of disease, insect pests and mechanical injuries.

All plants shall be nursery grawn and shall have been grown under the same climate conditions as the location of this project for at least two years before planting. Neither heeled-in plants nor plants from cold storage

will be accepted. 3. Plant Measurements

All plants shall conform to the measurements specified in the Plont Schedule os approved by the ARC.

- a. Caliper measurements shall be taken six inches (6") above grade for trees under four-inch (4") caliper and twelve (12") above grade for trees four inches (4") in caliper and over.
- b. Minimum branching height for all trees shall be six feet (6'), maximum eight feet (8').
- c. Minimum size for planting shade trees shall be 3-3?" caliper, 14'-16' in height.
- d. Minimum size for planting minor or intermediate focus trees (pines, crabapples, etc.) shall be 3"-3?" caliper, 10'-12' in height.
- e. Minimum size for planting shrubs sholl be 18" - 24" spread unless noted otherwise.
- f. Caliper, height, spread and size of

CALIPER HEIGHT SPREAD SIZE OF BALL 3" - 3.5" 14'-16' 6'-8' 32" diometer 3.5" - 4" 14' -16' 8' -10' 36" diameter 4" - 4.5" 16'-18' 8'-10' 40" diameter

4.5" - 5" 16' -17' 10' -12' 44" diameter

5" - 5. 5" 16' -20' 10' -12' 48" diameter

ball shall be generally as fallows:

5.5" - 6" 18' -20' 12' -14' 52" diameter All plant material shall generally average the median for the size ranges indicated above as indicated in the "AAN

4. Plant Identification

Legible labels shall be attached to all shade trees, minor trees, specimen shrubs and bundles or boxes of other plant material giving the botanical and cammon names, size and quantity of each. Each shipment of plants shall bear certificates af inspection as required by Federal, State and County

5. Plant Inspection

The ARC may, upon request by the builder or developer, at least ten (10) days prior to the installation of any proposed plant material, inspect all proposed plant material at the source of arigin.

B. Planting Methods

All proposed plant materials that meet the specifications in Section A are to be planted in accordance with the following methods during the proper planting seasons as described in the following:

1. Planting Seasons

The planting of deciduous trees, shrubs and vines shall be from Warch 1st to June 15th and from September 15th to December 15th. Planting of deciduous material may be cantinued during the winter month's providing there is no frast in the ground and frost-free topsoil planting mixtures are used.

The planting of evergreen material shall be from March 15th to June 15th and from August 15th to December 1st. No planting shall be done when ground is frozen or excessively maist. No frozen or wet topsoil shall be used at any time.

Digging

PREPARED FOR:

GATEWAY 67 LLC

COLUMBIA, MD. 21045

PH.: 410-992-7348

All plant material shall be dug, balled and burlapped (B+B) in accordance with the "AAN Standards"

3. Excavation of Plant Pits

The landscaping contractor shall excavate all plant pits, vine pits, hedge trenches and shrub beds in accordance with the following

- a. Locations of all proposed plant material shall be staked and approved in the field by the landscape architect before any of the proposed plant material is installed by the landscape contractor.
- b. All pits shall be generally circular in outline, vertical sides; depth shall not be less than 6" deeper than the root ball, diameter shall not be less than two times the diameter of the root ball as set forth in the following schedule.

c. If areas are designated as shrub beds or hedge trenches, they shall be excavated to at least 18" depth minimum. Areas designated for ground covers and vines shall be excavated to at least 12" in depth minimum.

d. Diameter and depth of tree pits shall generally be as follows:

PLANT SIZE ROOT BALL DIAMETER DEPTH 3" - 3.5"cal. 3.5" - 4" cal. 4" - 4.5"cal. 4.5"-5" cal. 5" - 5.5"cal. 5.5"-6" cal.

A 20% compaction figure of the soil to be remaved is assumed and will be allowed in calculation of extra topsoil. The tabulated pit sizes are for purposes of uniform calculation and shall not override the specified depths below the bottoms of the root balls.

4. Staking, Guying and Wrapping

All plant material shall be staked or guyed, and wrapped in accordance with the following specifications:

> rough sawn aak ar similar durable woods, or lengths, minimum 7'-0" for

a. Stakes: Shall be sound wood 2" x 2"

- major trees and 5°-0" minimum for minor trees. b. Wire and Cable: Wire shall be #10 ga. galvanized or bethanized 3" caliper, provide 5/16" turn
- annealed steel wire. For trees over buckles, eye and eye with 4" takeup. Far trees over 5" caliber. provide 3/16", 7 strand cable cadmium plated steel, with galvanized "eye" thimbles of wire and hose on trees up to 3" in caliper.
- c. Hose: Shall be new, 2 ply reinforced rubber hose, minimum 1/2" I.D. "Plastic Lock Ties" or "Paul's Trees Braces" may be used in place of wire and hose on trees up to 3" in caliper.
- d. All trees under 3" in coliper are to be planted and staked in accordance with the attached "Typical Tree Staking Detail". All trees over 3" in caliper are to be planted and guyed in accordance with the attoched "Typical Tree Guying

5. Plant Pruning, Edging and Mulching

- a. Each tree, shrub ar vine shall be pruned in an appropriate manner to its particular requirements, in accordance with accepted standard practice. Broken or bruised branches shall be removed with clean cuts flush with the adjacent trunk or branches. All cuts over 1" in diameter shall be painted with on approved antiseptic tree wound dressing.
- All trenches ond shrub beds shall be edged and cultivated to the lines shawn on the drawing. The areas around isolated plants sholl be edged and cultivated to the full diameter of the pit. Sod which has been removed and stacked shall be used to trim the edges of all excavated areas to the neat lines of the plant pit soucers, the edges of shrub areas, hedge trenches and vine
- c. After cultivation, all plant materials shall be mulched with a 2" layer of fine, shredded pine bark, peat moss, or another approved material over the entire area of the bed or saucer.

6. Plant Inspection and Acceptance

The ARC shall be responsible for inspecting all plonting projects on a periodic basis to assure that all wark is proceeding in accordance with the approved plans and specifications.

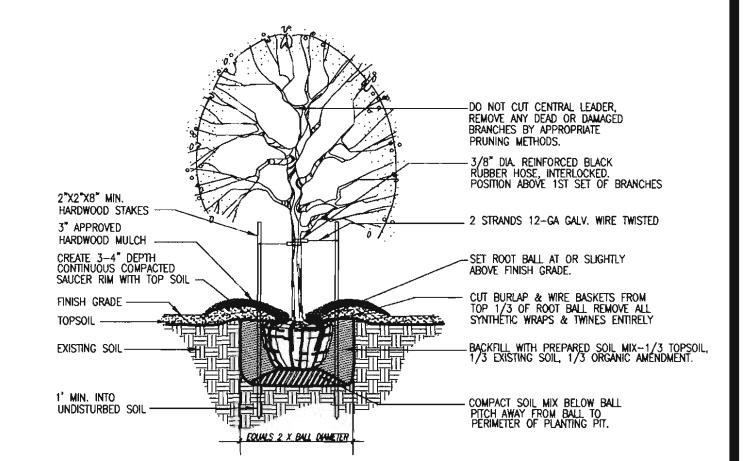
7. Plant Guarantee

All plant material shall be guaranteed for the duration of one full growing season, after final inspection and acceptonce of the work in the planting project. Plants shall be alive and in satisfactory growing condition at the end of the guarantee period.

- a. For this purpose, the "growing season" the "Spring" planting season, and the commencement of the "Fall" planting
- b. Guarantee for planting performed after the specified end of the "Spring" planting season, shall be extended through the end of the next following "Spring" planting season.

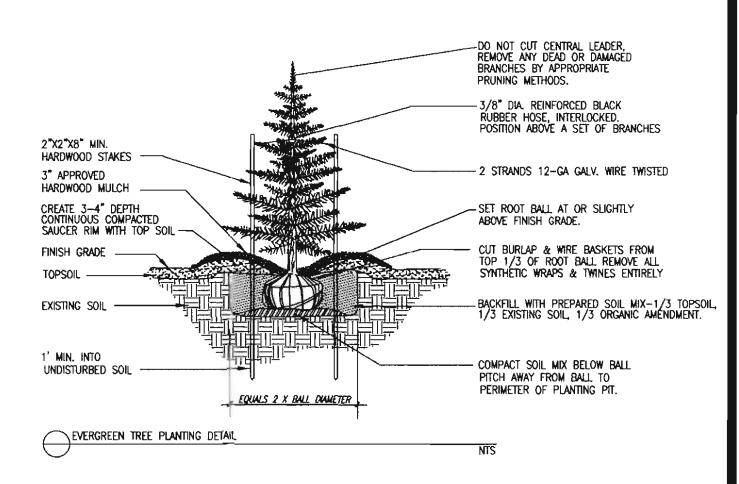
All sodding shall be in accordance to the "Landscape Specification Guidelines for Baltimore-Washington metropolitan Areas" latest edition, approved by the Landscape Contractors Association of Metropolitan Washington and the American Society of Londscape

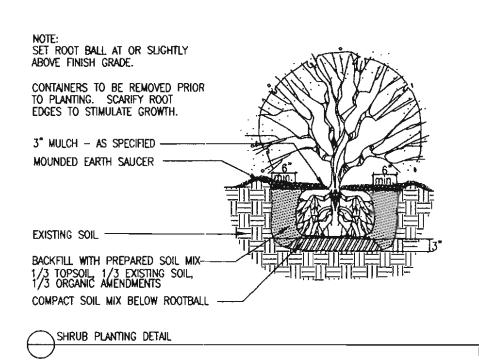
All sod shall be strongly rooted sod, not less than two years old and free of weeds and undesirable native grasses. Provide anly sod copable of growth development when planted and in strips not more than 18" wide x 4" long. Provide sod composed principally of improved strain Kentucky bluegrass, such as, Columbia, Victa, or

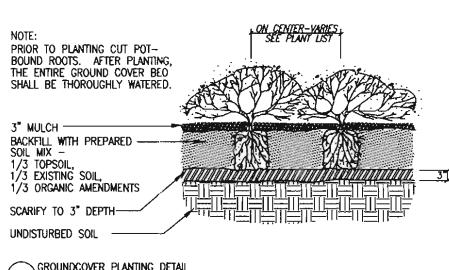


DECIDUOUS TREE PLANTING DETAIL

FOR PLANTING MATERIAL UP TO 3 1/2" CALIPER







GROUNDCOVER PLANTING DETAIL

GLWGUTSCHICK LITTLE &WEBER, P.A.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

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 \Drawings\04032\sdp's\04032sp9.dwg | DES. DEV | DRN. JAU | CHK. DEV | DATE

8815 CENTRE PARK DRIVE, SUITE 400 ATTN: MR. ROGER WAESCHE BY APP'R.

THE REMAINING 6

WITH OVER 12

EVERGREEN TREES

SUBSTITUTIONS) ARE PLANTED | SHADE TREES

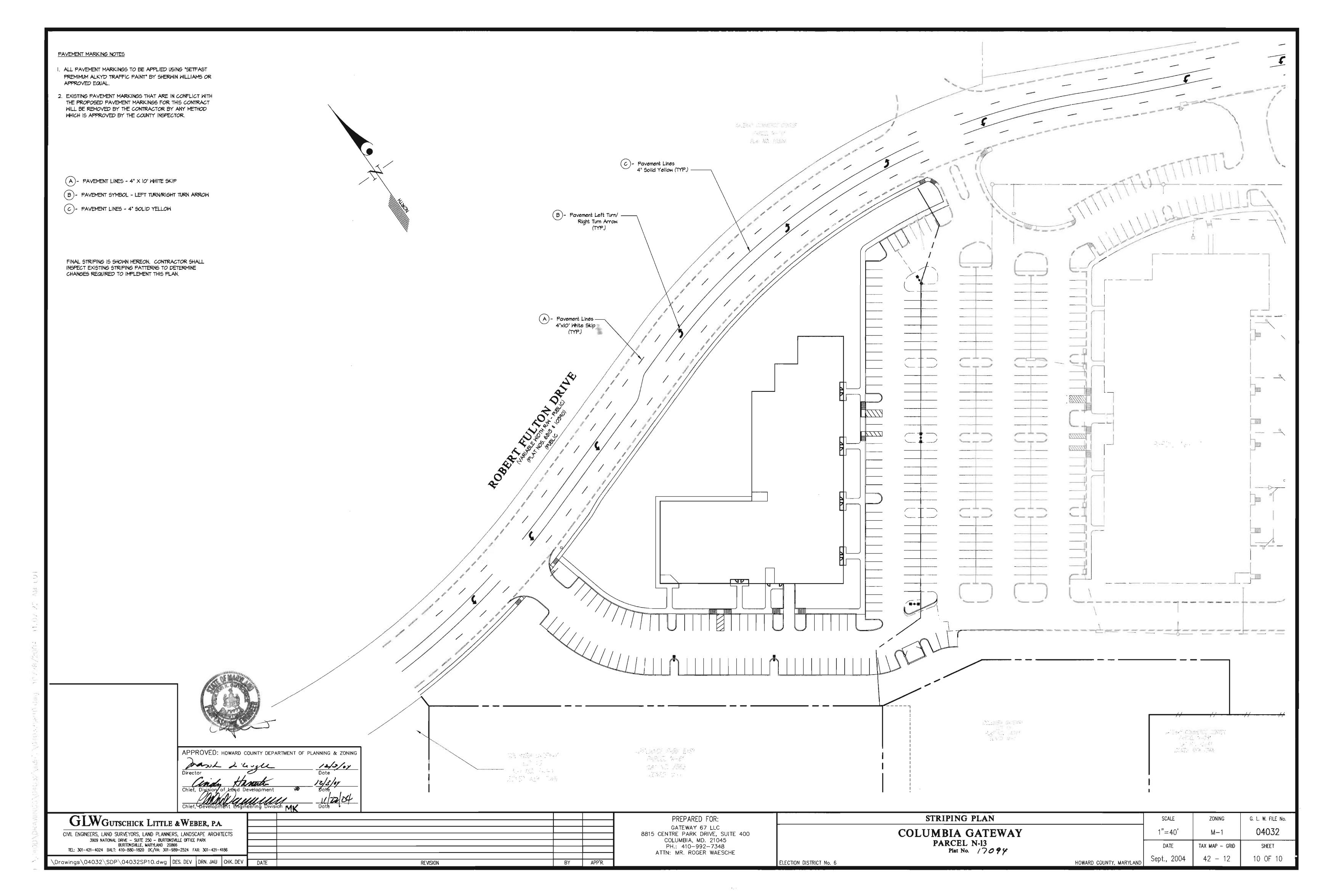
BY ALTERNATIVE COMPLIANCE | ARE SUBSTITURED

LANDSCAPE NOTES, DETAILS, PLANT LIST & SCHEDULES

ELECTION DISTRICT No. 6

COLUMBIA GATEWAY PARCEL N-13 Plat No. 17094

G. L. W. FILE No. SCALE 04032 NO SCALE TAX MAP - GRID SHEET Sept., 2004 42 - 12 9 OF 10 HOWARD COUNTY, MARYLAND



General Notes

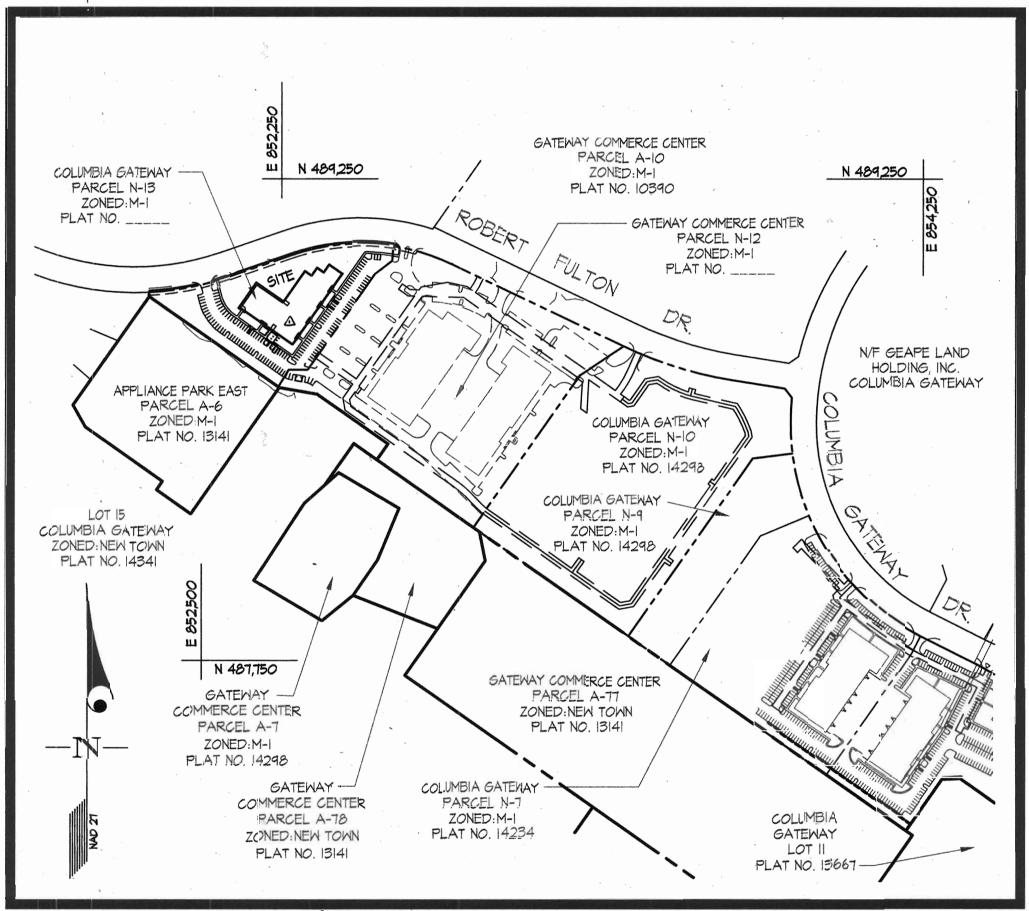
- 1. All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable.
- 2. The contractor shall notify the Department of Public Works, Bureau of Engineering/ Construction Inspection Division at (410) 313-1880 at least 48 Hours prior to the start of
- 3. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any
- 4. The contractor shall notify the Howard County Department of Public Works, Bureau of Utilities at (410) 313-4900 at least five (5) working days prior to starting any excavation
- 5. Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place before the placement of any asphalt.
- 6. Proposed Use: Office (I story no mezzanines
- 7. All plan dimensions are to face of curb or face of building unless otherwise noted.

 Dimensions are mesured perpendicular or radially between items unless otherwise noted.
- 8. Existing topography is shown per field run survey information by Gutschick, Little & Weber, P.A. in March, 2004 & from design plans for construction.
- q. Coordinates and bearings are based upon the howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System. Howard County Monument Nos. 2243002 and 2243003 were used for this project.
- 10. Water and sewer service is public.
- 11. All existing water and sewer is per Contract 24-1440-D, 24-1587-D \$ 20-1397-D
- 12. All existing public storm drain is per F-87-63 \$ F-86-128.
- 13. See trench bedding class "C" for storm drains.
- 14. Recording reference: Plat No. 17094
- 15. Existing utilities are based on approved design plans for construction and field location by Gutschick, Little & Weber, P.A.
- 16. There is no floodplain on Site.
- 17. There are no streams, wetlands, or steep slopes on the site.
- 18. Building setbacks and building restrictions are per Plat No. 14298
- 19. This site is exempt from the Forest Conservation requirements of Section 16.1200 of the Howard County Code by Section 16.1202(b)(1)(1V).
- 20. In case of discrepancies between the plat and the plans, the plat shall govern.
- 21. No clearing, grading or construction is permitted within any wetland, wetlands buffer, 50'
- 22. All outdoor lighting shall comply with the requirements of zoning section 134. See sheet 3 Lighting Fixture Schedule.
- 23. The Landscape Plan was prepared according to the Alternative Compliance Section of the
- 24. Stormwater Management, for quality and quantity, is being provided in a regional facility, which was constructed under F-97-98. An Amendment to the Stormwater Management Report for Columbia Gateway was prepared under F 00-74. This Amendment indicates that the regional facility satisfies the Stormwater Management needs for this parcel.
- 25. There are no known cemeteries, grave sites or historic structures located on the subject
- 26. There are no scenic roads within or adjacent to the subject property.
- 27. Because this plan submission is non-residential use, a noise study is not required.
- 28. Building will have automatic fire protection sprinkler system.
- 29. All curb radii are 5' R. unless otherwise noted.
- 30. This site is subject to a 10' parking and fence setback.
- 31. A shared parking easiement for Parcels N-9 through N-11 has been recorded in the Land Records of Howard County, Maryland in Liber 5182 Folio 273.

SITE DEVELOPMENT PLAN

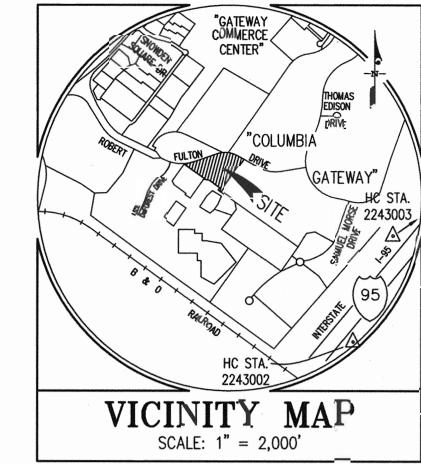
COLUMBIA GATEWAY

PARCEL N-13



PROP CONTOUR EX. TREES EX. STORM DRAIN PROP. STORM DRAIN LIMIT OF SUBMISSION EX. SANITARY SEWER EX. WATERLINE PROP. SANITARY SEWER PROPOSED WATERLINE EX. CURB & GUTTER CONCRETE CURB & GUTTER PROPOSED REVERSE CURB & GUTTER CONCRETE SIDEWALK DUMPSTER OR UTILITY PAD EX. EASEMENTS \times 78 88 TOP OF PAVING SPOT SHOT NUMBER OF PARKING SPACES PROP. LIGHT FIXTURE & POLE EX. LIGHT FIXTURE & POLE HANDICAP CURB RAMP (SEE DETAIL SHEET 3) ENTRANCE

EX. CONTOUR



BENCHMARKS 2243002 ELEV. = xXX.XX STANDARD DISC ON CONCRETE MONUMENT ELEV. = xxx.xx

STANDARD DISC ON CONCRETE MONUMENT

Site Analysis Data Chart

1. Gross Area Parcel N-13: 168,880 SF or 3.87 Ac.

2. I-lmit of Disturbed Area = 152,460 SF or 3.50 Ac.

4. Proposed Use: 1 story office, light manufacturing, and accessory retail building

5. Gross Floor Area: 32,050 SF

6. No. of standard parking spaces required: 1/2 spaces

7. No. of handicap spaces required: 6 spaces (2 van space).

8. No. of standard parking spaces provided: 144 spaces.

9. No. of handicap spaces provided: 6 spaces (4 van spaces).

10. Total parking spaces provided: 150 spaces.

II. Building Percent Coverage: 32,850/168,880 = 19.5%

12. Project background: See Dept. of Planning & Zoning File Numbers: P-86-22, S-84-44, F-85-55, F-85-63, F-86-17, F-86-63. F-86-182. F-87-96. F-88-91, F-90-175, F-91-16. F-92-15, F-97-98, F-99-156, F-00-11 & 6P-01-24, F-05-26,

F-00-148, F-00-160.

32,850 S.F Gross Floor Area: Light Manufacturing / Office: 30,850 s.f.

Accessory Retail: 2,000 S.F.

Parking Requirements For Light Manufacturing / Office (@ 3.3 space per 1000 s.f.): 102 spaces

For Accessory Retail (0 5.0 space per 1000 s.f.): 112 Spaces

KEY MAP

SCALE : I" = 300'

Sheet Index

1. Cover Sheet

2. Site Development Plan

- > 3. Site Details & Paving Plan
- 4. Site \$ Handicap Accessibility Details 5. Storm Drain/Utility Profiles
- 6. Sediment Control Plan/Drainage Area Map
- 7. Sediment Control Notes & Details
- 8. Landscape/Perimeter Planting Plan 9. Landscape Notes, Details, Plant List & Schedules
- 10. Striping Plan

ELECTION DISTRICT No. 6

					A	ADDRESS CHART	
WATER CODE:	SEWER COD	-	PARC NUMBI	EL ER	ST	REET ADDRESS	
E06	SEMER CODI 4900000		N-IS	3	86	81 ROBERT FULTO	N DRIVE
SUBDIVISION N COLUMBI	AME: A GATEWAY				SEC.	TION/AREA	PARCELS P/O P 610
PLAT No.	ZONE	Т	AX MAP	BL	.ock	ELEC. DIST.	CENSUS TRACT
17094	M-I		42		11	6	6067.03
				S	CALE	ZONING	G. L. W. FILE No.

GLWGUTSCHICK LITTLE &WEBER, P.A. CIVIL EINGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-{380-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

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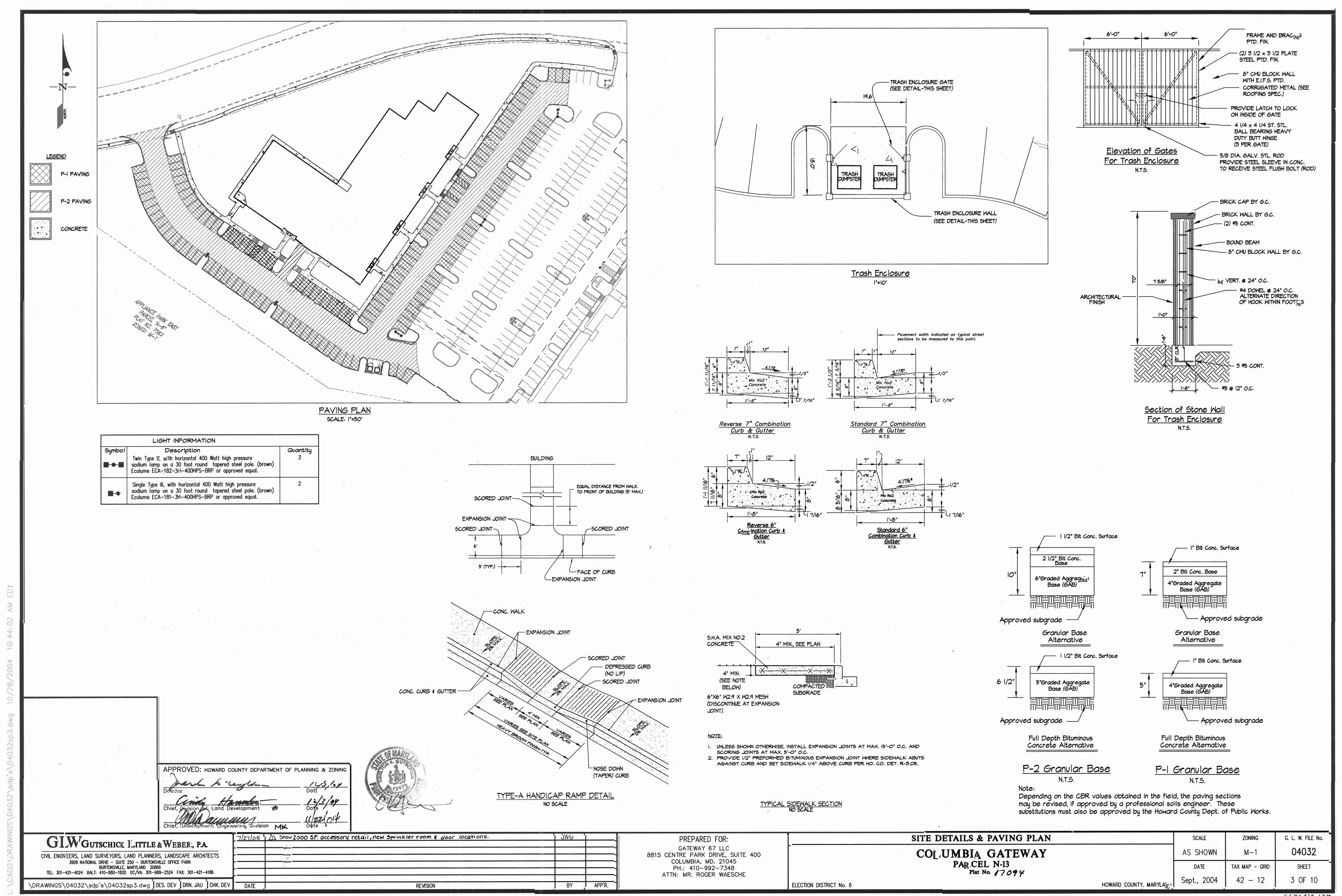
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

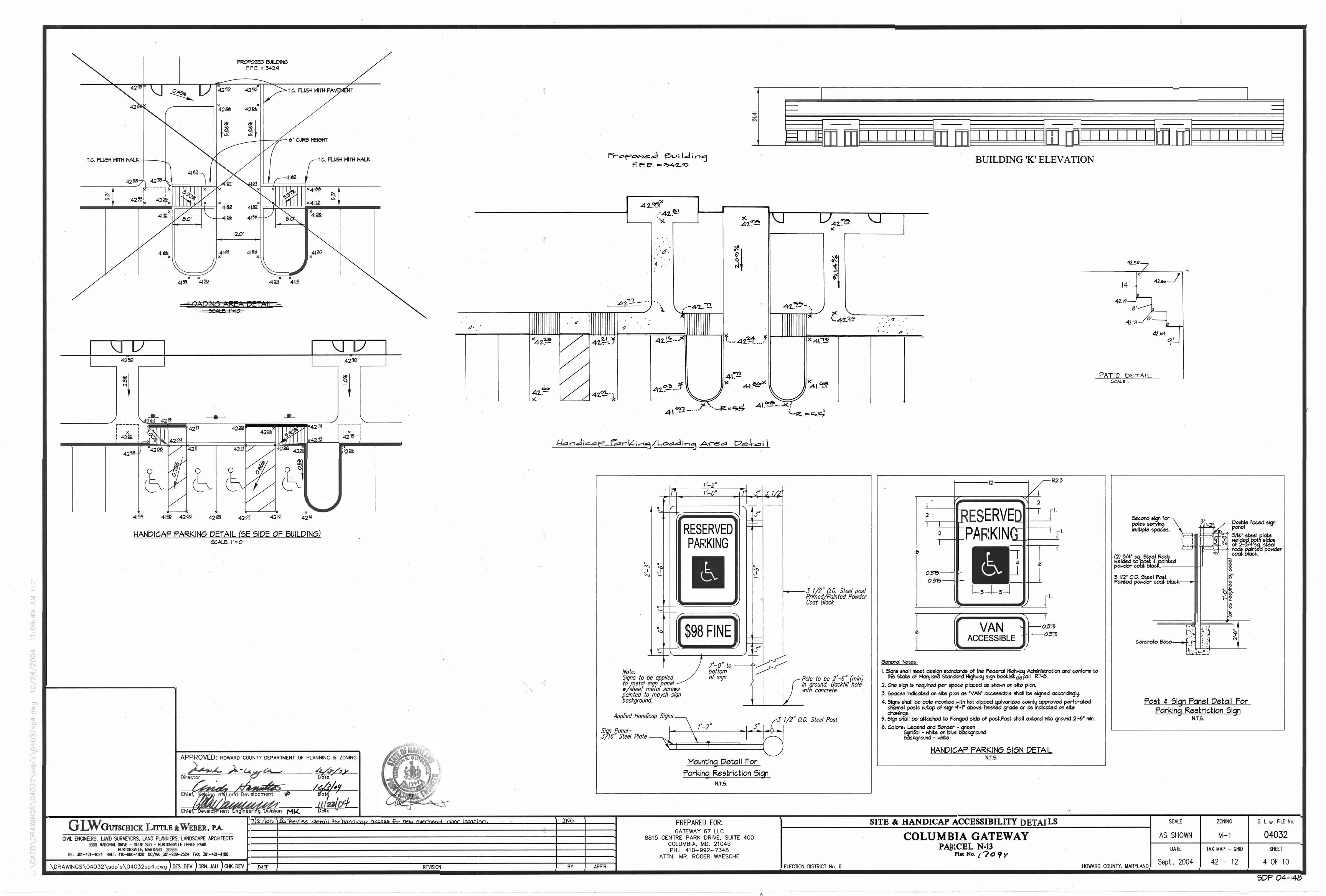
1 Show 2000 SF accessory retail, new Sprinkler room & door locations. Bevised required parking accordingly 1NG BY APP'R. REVISION

PREPARED FOR: GATEWAY 67 LLC 8815 CENTRE PARK DRIVE, SUITE 400 COLUMBIA, MD. 21045 PH.: 410-992-7348 ATTN: MR. ROGER WAESCHE

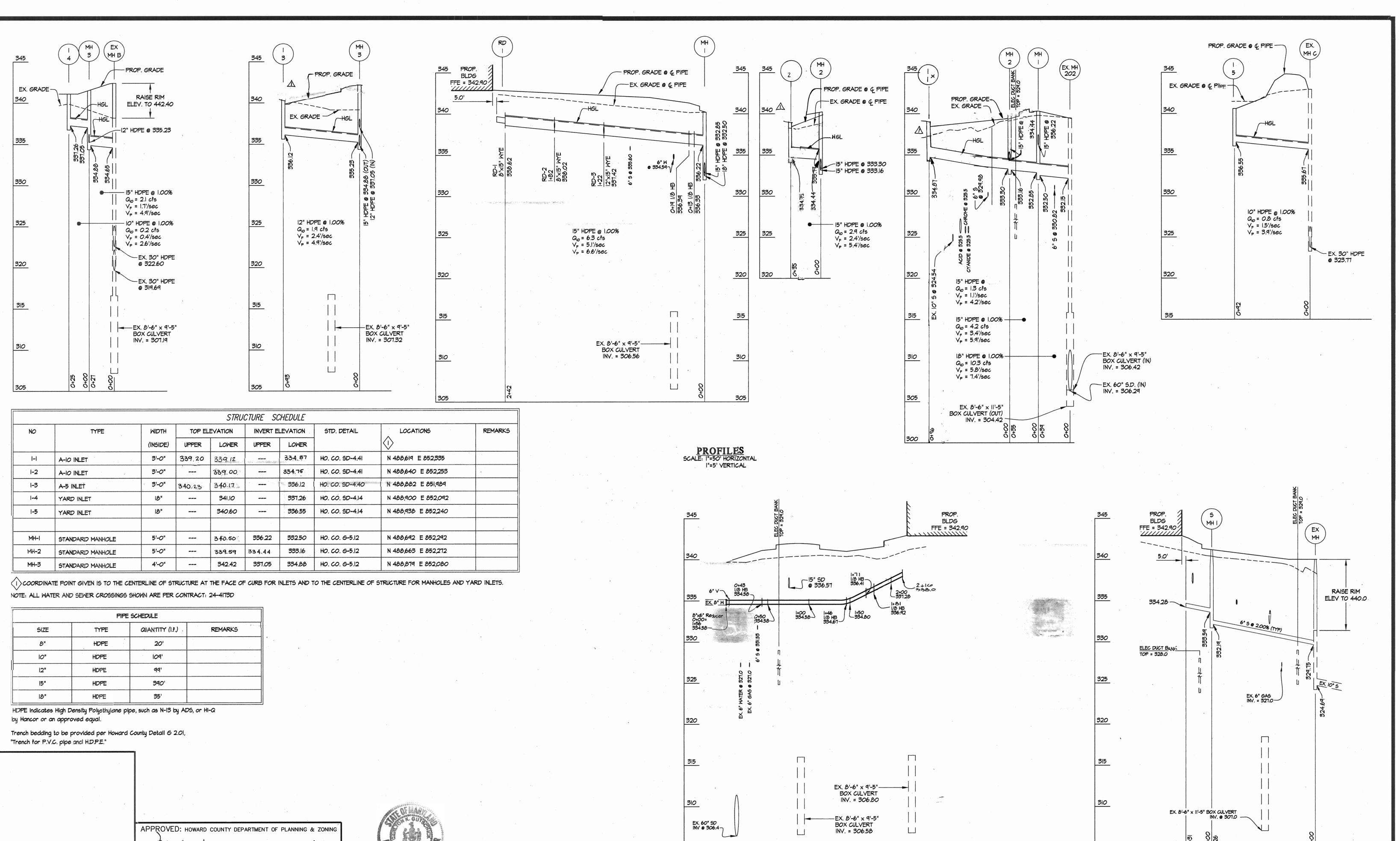
COLUMBIA GATEWAY PARCEL N-13 Plat No. /7094

COVER SHEET 04032 AS SHOWN DATE TAX MAP - GRID SHEET Sept., 2004 1 OF 10 42 - 12 HOWARD COUNTY, MARYLAND









I	Chief, C	neverobus	eur Eudine	ering Divisio	ou WK page		
GLWG-UTSCHICK LITTLE &	&WEB	ER, PA		7/27/05	Revise storm drain runs 1-1 to MH2, 1-2 to MH2 and 1-3 to MH3. Revise Structure Schedule.	JNG	
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVIL			TECTS				
BURTONSVILLE, MARYLAND 2086& TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989	•		1186				·
	·						
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PREPARED FOR:

GATEWAY 67 LLC

8815 CENTRE PARK DRIVE, SUITE 400

COLUMBIA, MD. 21045

PH.: 410-992-7348

ATTN: MR. ROGER WAESCHE

PROPOSED 6" WATER

ELECTION DISTRICT No. 6

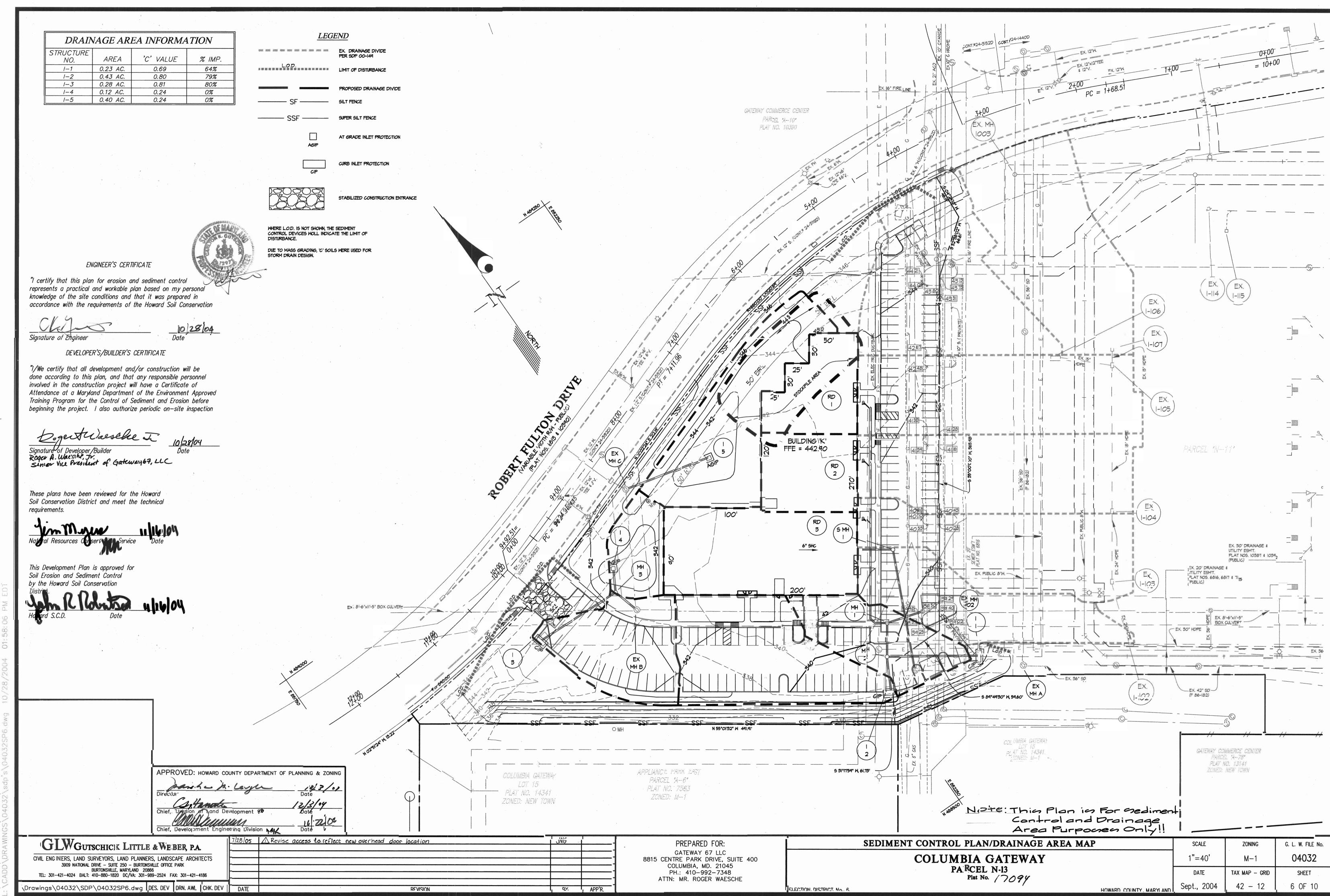
STORM DRAIN/UTILITY PROFILES

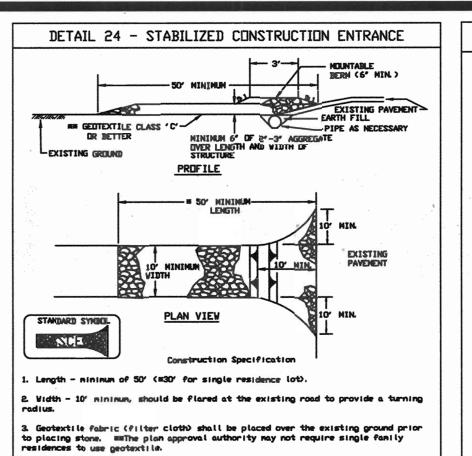
COLUMBIA GATEWAY
PARCEL N-13
Plat No. / 7099

HOWARD COUNTY, MARYLAND
SCALE
ZONING
G. L. W. FILE No.

DATE
TAX MAP - GRID
SHEET
Sept., 2004
42 - 12
5 OF 10

PROPOSED 6" SEWER





4. Stone - crushed aggregate (2" to 3") or reclained or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.

5. Surface Water - all surface tater 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 nountable bern with 5:1 slopes and a minimum of 6' of stone over the pipe. Pipe has nountable serm with 31 stopes and a hillings of the SCE is located at a high spot and to be sized according 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.

6. Location - A stabilized construction entrance shall be located 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.

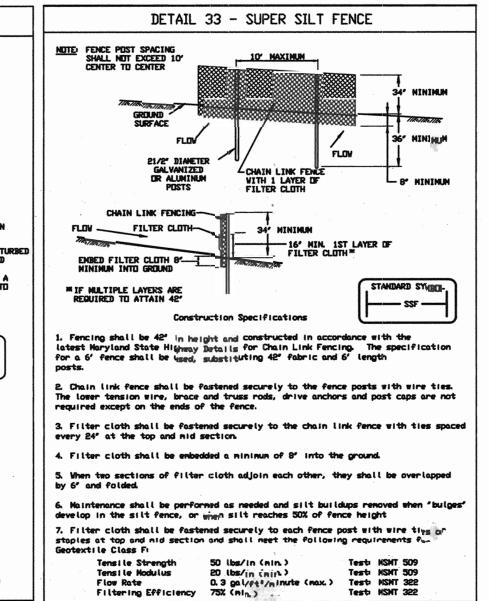
JOINING TWO ADJACENT SILT FENCE SECTIONS Construction Specifications 1. Fence posts shall be a ninimum of 36' long driven 16' minimum into the ground. Wood posts shall be 11/2' x 11/2' square (minimum) cut, or 13/4' diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot. 2. Geotextile shall be fastened securely to each fence post with wire ties Tensile Strength 50 lbs/in (nin.) Test: MSMT 509
Tensile Modulus 20 lbs/in (nin.) Test: MSMT 509
Flow Rate 0.3 gal ft*/ ninute (nax.) Test: MSMT 322
Filtering Efficiency 75% (nin.) 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 im

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

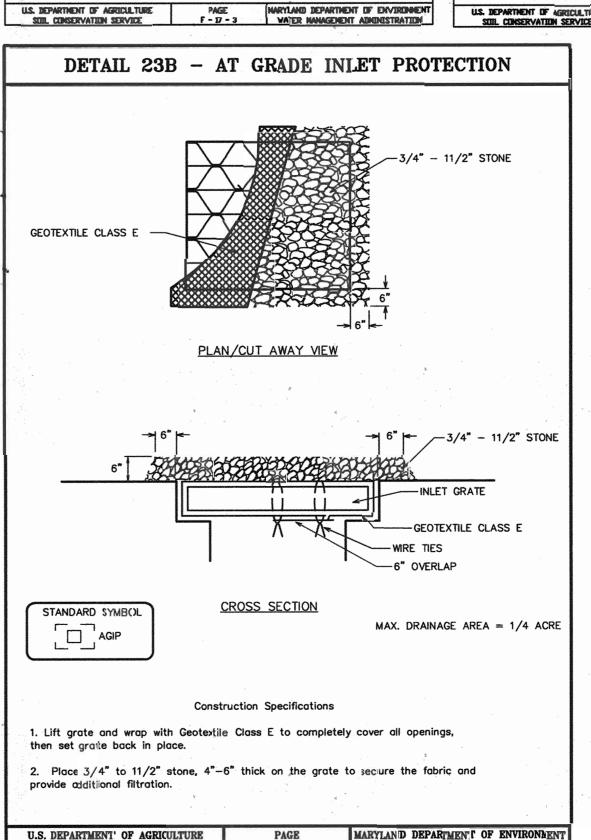
DETAIL 22 - SILT FENCE

PERSPECTIVE VIEW

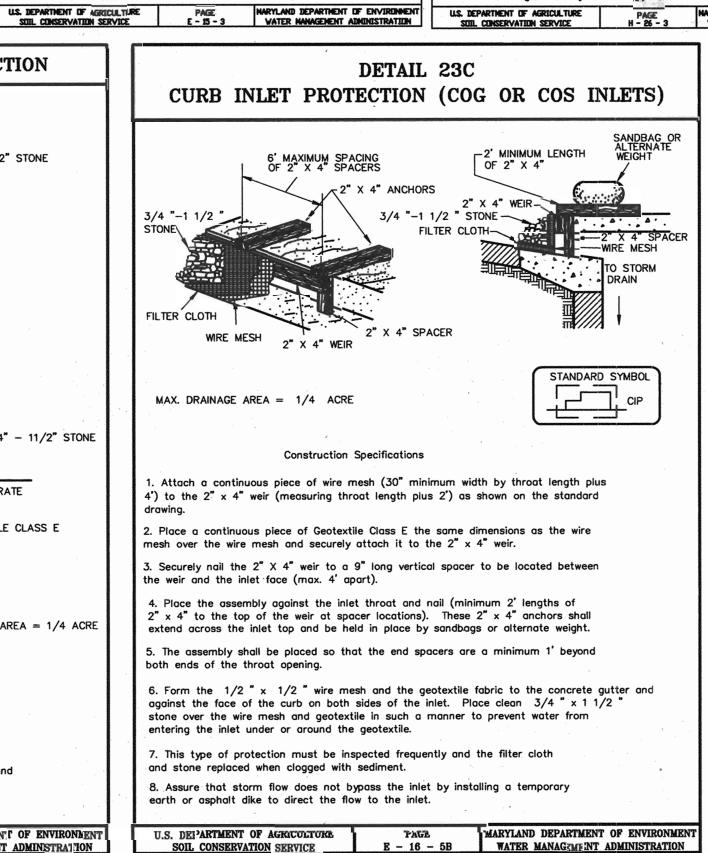


0.3 gal/et*/minute (nax.)

Filtering Efficiency 75% (min.)



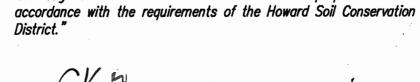
S)IL CONSERVATION SERVICE



REVISION

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





ELECTION DISTRICT No. 6

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

PERMANENT SEEDING NOTES

Seedbed 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 (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 unreaform fertilizer (9 lbs/1000 sq ft).

2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 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 (1.4 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 (.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 (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 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 SEELING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is nearied.

Seedbed Preparation: Lousen 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 (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted, weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sa ft) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not conserved.

SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (410) 313-1855.

2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND

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 disturtied 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. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm

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 SETTIMENT 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:

SEDIMENT CONTROL.

Total Area of Site 3.87 Acres± Area Disturbed 3.50 Acres± Area to be roofed or paved 2.05 Acres± Area to be vegetatively stabilized 1.45 Acres± Total Cut 329 Cu. Yds. 8619 Cu. Yds. Off-site waste/borrow area location: To be determined

8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.

10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other 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.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT AND ARRANGE PRE-CONSTRUCTION MEETING

WITH SEDIMENT CONTROL INSPECTOR. (1 DAY)

2. INSTALL STABILIZED CONSTRUCTION ENTR_{ANCE AND} SILT FENCE/SUPER SILT FENCE. (2 DAYS) SILT FENCE THAT IS KNOCKED DOWN DUMING CONSTRUCTION IS TO BE REPAIRED IMMISDIATELY OR BY THE END OF THE WORK DAY.

3. CONSTRUCT THE WATER FROM THE EXISTING STUB AND THE SEWER FROM THE EXISTING MANHOLE

TO WITHIN 5 FEET OF THE BUILDING. INSTALL THE STORM DRAIN SYSTEM. (5 DAYS)

4. GRADE SITE.

5. CONSTRUCT BUILDING.

6. FINE GRADE SITE.

7. INSTALL CURB AND GUTTER, SIDEWALK, AND BASE PAVING. STABILIZE REMAINING AREAS WITH GRASS, SEED, AND MULCH. (7 DAYS)

8. WHEN AREAS DRAINING TO THE SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED AND PERMISSION IS GRANTED BY THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES. (1 WEEK)

9. INSTALL SURFACE PAVING. (1 WF EK)

10. INSTALL LANDSCAPING. (1 WEEK)

11. REMOVE ANY REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE AREAS AS NECESSARY. (3 DAYS)

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

Vice President of Gateway 67, LLC

These plans have been reviewed for the Howard Soil Conservation District and meet the technical This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation

GLWGUTSCHICK LITTLE & WEBER, IA. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LAND SCAPE 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 \DRAWINGS\04032\sdp's\04032SP7.dwg | DES. DEV | DRN. JAU | CHK. DEV | DATE

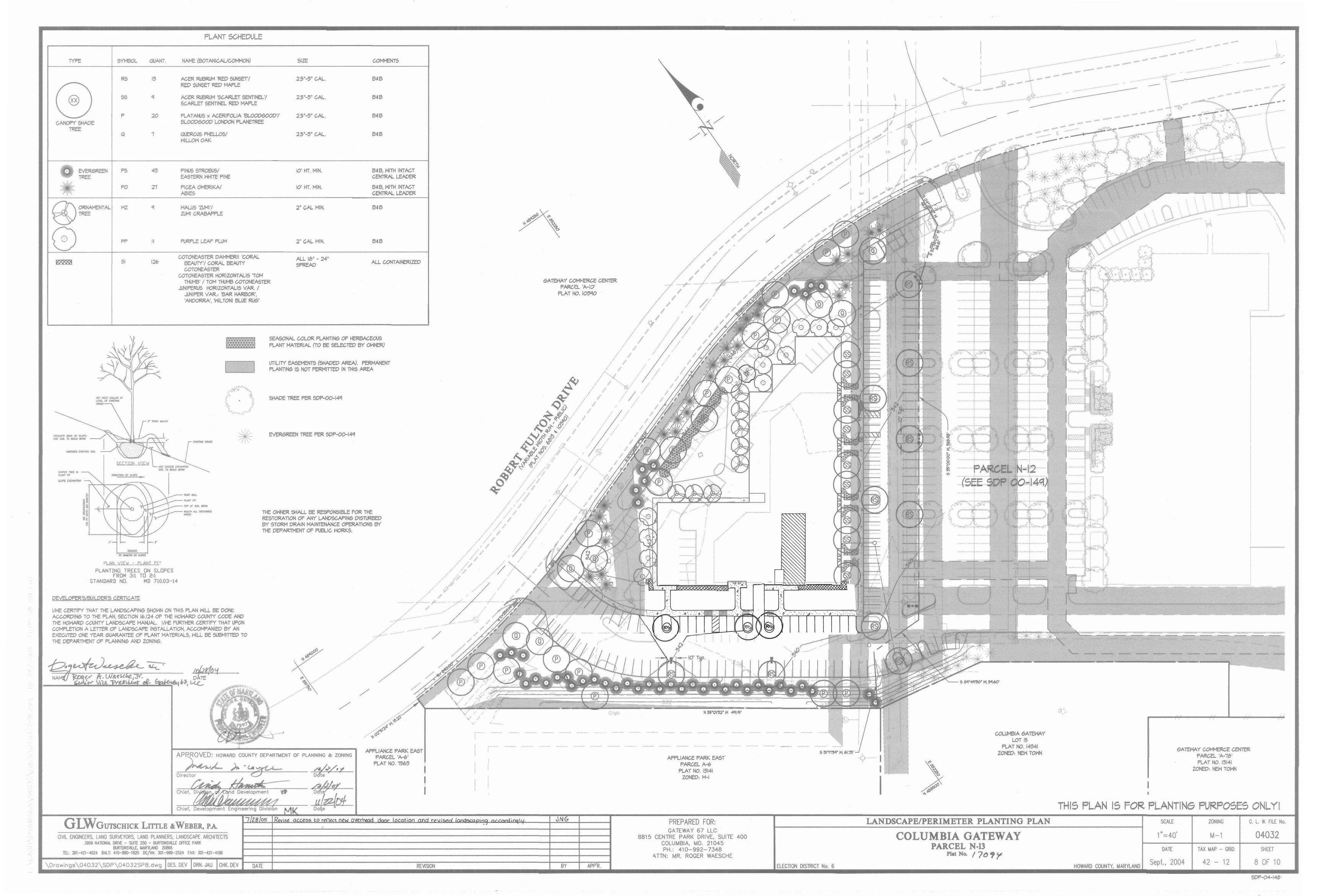
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

PREPARED FOR: GATEWAY 67 LLC 8815 CENTRE PARK DRIVE, SUITE 400 COLUMBIA, MD. 21045 PH.: 410-992-7348 ATTN: MR. ROGER WAESCHE

SEDIMENT CONTROL NOTES & DETAILS COLIJMBIA GATEWAY! PAR.CEL N-13

Plat No. /7094

G. L. W. FILE No. 040.32NO SCALE M-1TAX MAP - GRID SHEET Sept., 2004 7 OF 10 42 - 12 HOWARD COUNTY, MARYLAND





This plan has been prepared in accordance with Section 16.124 of the Howard County Code and Chapter VI (Alternative Compliance) of the Howard County Landscape

2. Contractor shall notify all utilities at least (5) five days before starting work. All General Notes, especially those regarding utilities, on Sheet 1 shall

3. Field verify underground utility locations and existing conditions before starting planting work. Contact engineer / landscape architect if any relocations

4. Plant quantities shown on Plant List are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on the plan and those shown on the plant list, the quantities on the plan shall take precedence.

5. All plant material shall be full, heavy, well formed, and symmetrical, and conform to the A.A.N. Specifications, and be installed in accordance with project

6. No substitution shall be made without written consent of the owner or his

7. All areas disturbed by construction activities but not otherwise planted, paved, or mulched shall be seeded or sodded in accordance with the project

8. The contractor shall notify the owner in writing if he/she encounters soil drainage conditions which may be detrimental to the growth of the plants. 9. All exposed earth within limits of planting beds shall be mulched with

10. Planting is NOT PERMITTED within utility easements.

shredded hardwood mulch per Planting Details.

11. The owner, tenant, and/or their agents shall be responsible for maintenance of the required landscaping, including both plant materials and berms, fences and walls. All plant materials shall be maintained in good growing condition, and when necessary, replaced with new materials to ensure continued compliance with applicable regulations. All other required landscaping shall be permanently maintained in good condition, and, when necessary, repaired and replaced.

12. "Schedule A - Perimeter Landscape Edge: and "Schedule B - Parking Lot Internal Landscaping" are provided for landscape surety calculation purposes only. Financial surety for the required landscaping shall be posted with the grading permit application in the amount of \$16,470.00 for the following:

\$ 2,970.00 for 99 shrubs at \$30/shrub \$10,800.00 for 36 shade trees at \$300/tree \$ 2,700.00 for 18 evergreen trees at \$150/tree \$16,470.00 total landscape surety

APPROVED: HOW ARD COUNTY DEPARTMENT OF PLANNING & ZONING

Tabulation for landscape shown:

Required planting by HRD for 3.87 acres of R&D/OFFICE at 24 trees / acre = 93 trees (or equivalent)

Shade Trees (existing and proposed): 50 Ornamental Trees: 16 = 8 E.S.T. (equivalent shade tree) Evergreen Trees 70 = 35 E.S.T. TOTAL EQUIVALENT SHADE TREE = 93

SCHEDULE-A: PE	RIMETER LANDSC	APE EDGE		
PERIMETER No.	,	1	2	3
USE SITUATION	PARKING ADJ. TO ROADWAY	REAR OF BLDG. TO ROADWAY	COMMERCIAL TO COMMERCIAL	
LANDSCAPE TYPE	Е	С	Α	
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	396 LF	358 LF	508	PFRIMFTER
CREDIT FOR EXISTING VEGETATION	NONE	NONE	NONE	
CREDIT FOR WALL, FENCE OR BERM	NONE	NONE	NONE	INTERNAL
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	10 N/A 99	9 18 N/A	9 N/A N/A	
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (@ 2:1 substitution) SHRUBS (10:1 substitution)		EES AND 99	3 SHADE TREES ARE PROVIDED. THE REMAINING 6 SHADE TREES ARE SUBSTITURED WITH OVER 12 EVERGREEN TREES	

SCHEDULE-B: PARK	ING LOT INTERNAL LANDSCAPING
NUMBER OF PARKING SPACES	144
NUMBER OF SHADE TREES REQUIRED (1 PER 10 SPACES FOR RESIDENTIAL; 1 PER 20 SPACES FOR COMMERCIAL)	8
NUMBER OF TREES PROVIDED SHADE TREES OTHER TREES (2:1 SUBSTITUTION)	14 PARKING LOT ISLANDS ARE PROVIDED. 12 OF THE THE ISLANDS ARE PLANTED WITH SHADE TREES (11-RS & 1-Q).

PLANT MATERIALS AND PLANTING METHODS

A. Plant Materials

The landscape contractor shall furnish and install and/or dig, ball, burlap and transplant all of the plant materials called for on drawings and/or listed in the

Plant Names

Plant names used in the Plant Schedule shall conform with "Standardized Plant Names," latest edition.

2. Plant Standards

All plant material shall be equal to or better than the requirements of the "USA Standard for Nursery Stock" latest edition, as published by the American Association of Nurserymen (hereafter referred to as AAN Standards). All plants shall be typical of their species and variety, shall have a normal habit of growth and shall be first quality, sound, vigorous well-branched and with healthy, well-furnished root systems. They shall be free of disease, insect pests and mechanical injuries.

All plants shall be nursery grown and shall have been grown under the same climate conditions as the location of this project fo at least two years before planting. Neither heeled-in plants nor plants from cold storage will be accepted.

3. Plant Measurements

All plants shall conform to the measurements specified in the Plant Schedule as approved by

a. Caliper measurements shall be taken six inches (6") above grade for trees under four-inch (4") caliper and twelve (12") above grade for trees four inches (4") in caliper and over.

b. Minimum branching height for all trees shall be six feet (6'), maximum eight feet (8').

c. Minimum size for planting shade trees shall be 3-3?" caliper, 14'-16' in height.

d. Minimum size for planting minor or intermediate focus trees (pines. crabapples, etc.) shall be 3"-3?' caliper, 10'-12' in height.

e. Minimum size for planting shrubs shall be 18" - 24" spread unless noted otherwise.

f. Caliper, height, spread and size of ball shall be generally as follows:

CALIPER HEIGHT SPREAD SIZE OF BALL 3" - 3.5" 14'-16' 6'-8' 32" diameter 3. 5" - 4" 14' -16' 8' -10' 36" diameter 4" - 4.5" 16'-18' 8'-10' 40" diameter 4.5"-5" 16'-17' 10'-12' 44" diameter 5" - 5.5" 16'-20' 10'-12' 48" diameter 5. 5" - 6" 18' -20' 12' -14' 52" diameter

All plant material shall generally average the median for the size ranges indicated above as indicated in the "AAN

4. Plant Identification

Legible labels shall be attached to all shade trees, minor trees, specimen shrubs and bundles or boxes of other plant material giving the botanical and common names, size and quantity of each. Each shipment of plants shall bear certificates of inspection as required by Federal, State and County

5. Plant Inspection

The ARC may, upon request by the builder or developer, at least ten (10) days prior to the installation of any proposed plant material, inspect all proposed plant material at the source

B. Planting Methods

All proposed plant materials that meet the specifications in Section A are to be planted in accordance with the following methods during the proper planting seasons as described in the following:

Planting Seasons

The planting of deciduous trees, shrubs and vines shall be from March 1st to June 15th and from September 15th to December 15th. Planting of deciduous material may be continued during the winter months providing there is no frost in the ground and frost-free topsoil planting mixtures are used.

The planting of evergreen material shall be from March 15th to June 15th and from August 15th to December 1st. No planting shall be done when ground is frozen or excessively moist. No frozen or wet topsoil shall be used at any time.

Digging

All plant material shall be dug, balled and burlapped (B+B) in accordance with the "AAN Standards".

3. Excavation of Plant Pits

The landscaping contractor shall excavate all plant pits, vine pits, hedge trenches and shrub beds in accordance with the following schedule:

a. Locations of all proposed plant material shall be staked and approved in the field by the landscape architect before any of the proposed plant material is installed by the landscape contractor.

b. All pits shall be generally circular in outline, vertical sides: depth shall not be less than 6" deeper than the root ball, diameter shall not be less than two times the diameter of the root ball as set forth in the following schedule.

LECTION, DICTRICT, NA. A

c. If areas are designated as shrub beds or hedge trenches, they shall be excavated to at least 18" depth minimum. Areas designated for ground covers and vines shall be excavated to at least 12" in depth minimum.

d. Diameter and depth of tree pits

shall generally be as follows:

PLANT SIZE DIAMETER DEPTH 3" - 3.5"cal. 3.5"-4" cal. 4" - 4.5"cal. 40" 4.5"-5" cal. 5" - 5.5"cal. 5.5"-6" cal.

A 20% compaction figure of the soil to be removed is assumed and will be allowed in calculation of extra topsoil. The tabulated pit sizes are for purposes of uniform calculation and shall not override the specified depths below the bottoms of the root balls.

4. Staking, Guying and Wrapping

All plant material shall be staked or guyed, and wrapped in accordance with the following specifications:

a. Stakes: Shall be sound wood 2" x 2"

rough sawn oak or similar durable

major trees and 5'-0" minimum for

woods, or lengths, minimum 7'-0" for

minor trees. b. Wire and Cable: Wire shall be #10 ga. galvanized or bethanized annealed steel wire. For trees over 3" caliper, provide 5/16" turn buckles, eye and eye with 4" takeup. For trees over 5" caliper,

provide 3/16", 7 strand cable cadmium plated steel, with galvanized "eye" thimbles of wire and hose on trees up to 3" in caliper.

c. Hose: Shall be new, 2 ply reinforced rubber hose, minimum 1/2" I.D. "Plastic Lock Ties" or "Paul's Trees Braces" may be used in place of wire and hose on trees up to 3" in caliper.

d. All trees under 3" in caliper are to be planted and staked in accordance with the attached "Typical Tree Staking Detail". All trees over 3" in caliper are to be planted and guyed in accordance with the attached "Typical Tree Guying Detail"

5. Plant Pruning, Edging and Mulching

a. Each tree, shrub or vine shall be pruned in an appropriate manner to its particular requirements, in accordance with accepted standard practice. Broken or bruised branches shall be removed with clean cuts flush with the adjacent trunk or branches. All cuts over 1" in diameter shall be painted with an approved antiseptic tree wound

edged and cultivated to the lines shown on the drawing. The areas around isolated plants shall be edged and cultivated to the full diameter of the pit. Sod which has been removed and stacked shall be used to trim the edges of all excavated areas to the neat lines of the plant pit saucers, the edges of shrub areas, hedge trenches and vine

c. After cultivation, all plant materials shall be mulched with a 2" layer of fine, shredded pine bark, peat moss, or another approved material over the entire area of the bed or saucer.

6. Plant Inspection and Acceptance

The ARC shall be responsible for inspecting all planting projects on a periodic basis to assure that all work is proceeding in accordance with the approved plans and

Plant Guarantee

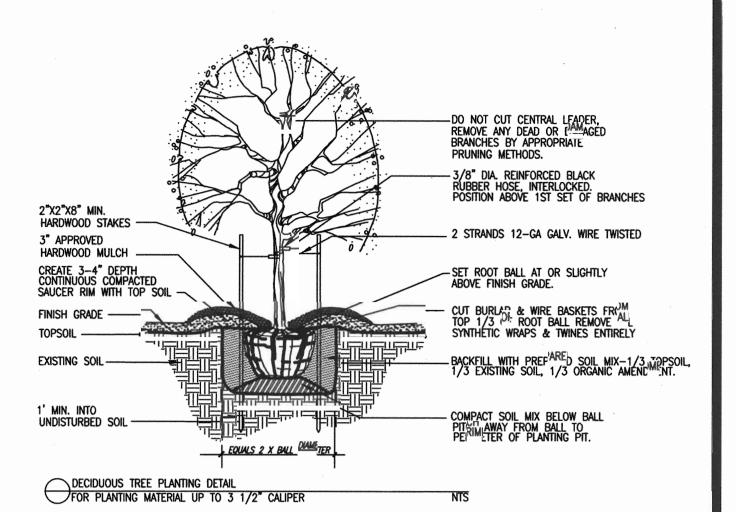
All plant material shall be guaranteed for the duration of one full growing season, after final inspection and acceptance of the work in the planting project. Plants shall be alive and in satisfactory growing condition at the end of the guarantée period.

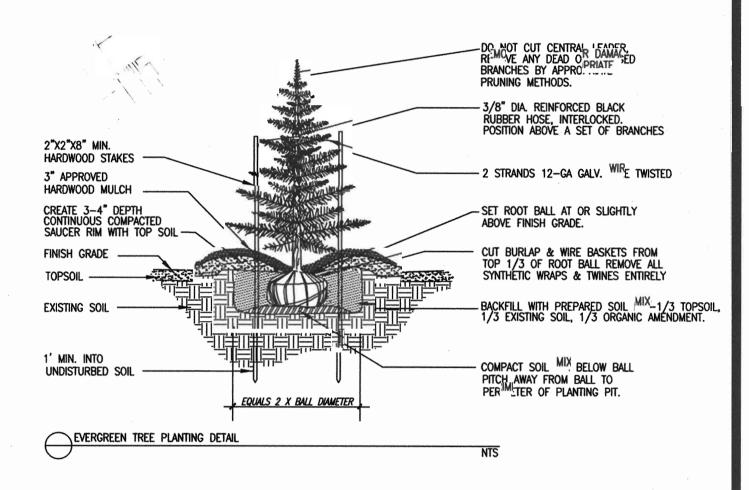
a. For this purpose, the "growing season" shall be that period between the end of the "Spring" planting season, and the commencement of the "Fall" planting

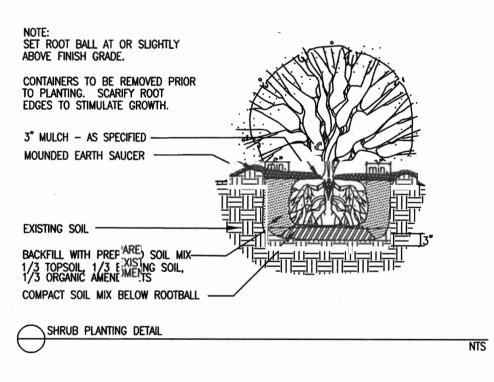
b. Guarantee for planting performed after the specified end of the "Spring" planting season, shall be extended through the end of the next following "Spring" planting season.

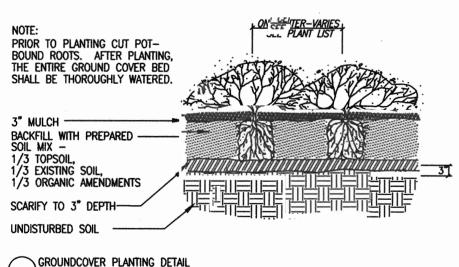
All sodding shall be in accordance to the "Landscape Specification Guidelines for Baltimore-Washington metropolitan Areas" latest edition, approved by the Landscape Contractors Association of Metropolitan Washington and the American Society of Landscape

All sod shall be strongly rooted sod, not less than two years old and free of weeds and undesirable native grasses. Provide only sod capable of growth development when planted and in strips not more than 18" wide x 4" long. Provide sod composed principally of improved strain Kentucky bluegrass, such as, Columbia, Victa, or









Engineering Division GLWGUTSCHICK LITTLE &WEBER, P.A.

CIVIL ENGINERS, 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 \Drawings\04032\sdp's\04032sp9.dwg | DES. DEV | DRN. JAU | CHK..DEV.

7/28/05 A Revise access to reflect new overhead door location.

PREPARED FOR: GATEWAY 67 LLC 8815 CENTRE PARK DRIVE, SUITE 400 COLUMBIA, MD, 21045 PH.: 410-992-7348 ATTN: MR. ROGER WAESCHE

LANDSCAPE NOTES, DETAILS, PLANT LIST & SCHEDULES COLUMBIA GATEWAY
PARCEL 1N.13
Pla No. (2099

G. L. W. FILE No. NO SCALE 04032 TAX MAP - GRID SHEET Sept., 2004 42 - 12 9 OF 10 HOWARD COUNTY MARY AN L

