

**DRAWING NOTES:**

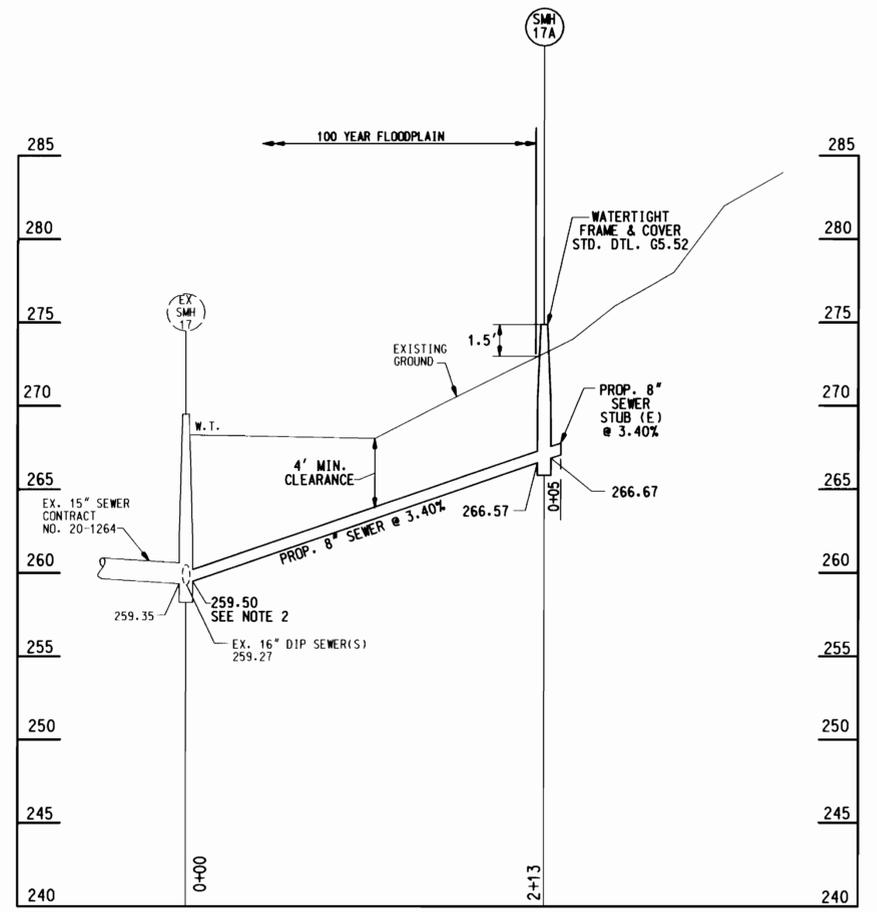
1. FOR ACCESS ROAD TO SITE, REFER TO MASS GRADING PLAN OF COLUMBIA GATEWAY JOHN McADAM DRIVE CONTRACT DRAWINGS.
2. RECONFIGURE EXISTING MANHOLE CHANNEL IN ACCORDANCE WITH STANDARD DETAIL G5.31.

**SEQUENCE OF CONSTRUCTION:**

1. OBTAIN A GRADING PERMIT.
2. CONTACT HOWARD COUNTY BUREAU OF CONSTRUCTION INSPECTION DIVISION (410-313-1870) PRIOR TO STARTING DATE. (4 DAYS)
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS PER SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL VOL. IV. (2 DAYS)
4. PERFORM CLEARING AND GRUBBING OPERATIONS (2 DAYS).
5. EXCAVATE AND INSTALL PROPOSED 8" SEWER (4 DAYS).
6. RESTORE TRENCHES TO THEIR ORIGINAL CONDITION WITH SEEDING AS PER HOWARD COUNTY STANDARDS AND SPECIFICATION. (2 DAY)
7. UPON PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTION, REMOVE SEDIMENT CONTROL DEVICES. (1 DAY)

SEWER STAKE-OUT TABLE		
STRUCTURE	NORTH	EAST
17 A	491.544.9180	857.247.9710

RESTORATION SCHEDULE			
STA.	TO STA.	LENGTH	MATERIAL
EX. MH 17	EX. MH 17A	213 FEET	SEEDING
MH 17A	0+05	5 FEET	SEEDING



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
4/9/99

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
4/9/99

WALLACE, MONTGOMERY & ASSOCIATES  
CIVIL AND STRUCTURAL ENGINEERS  
110 WEST ROAD  
TOWSON, MARYLAND 21204

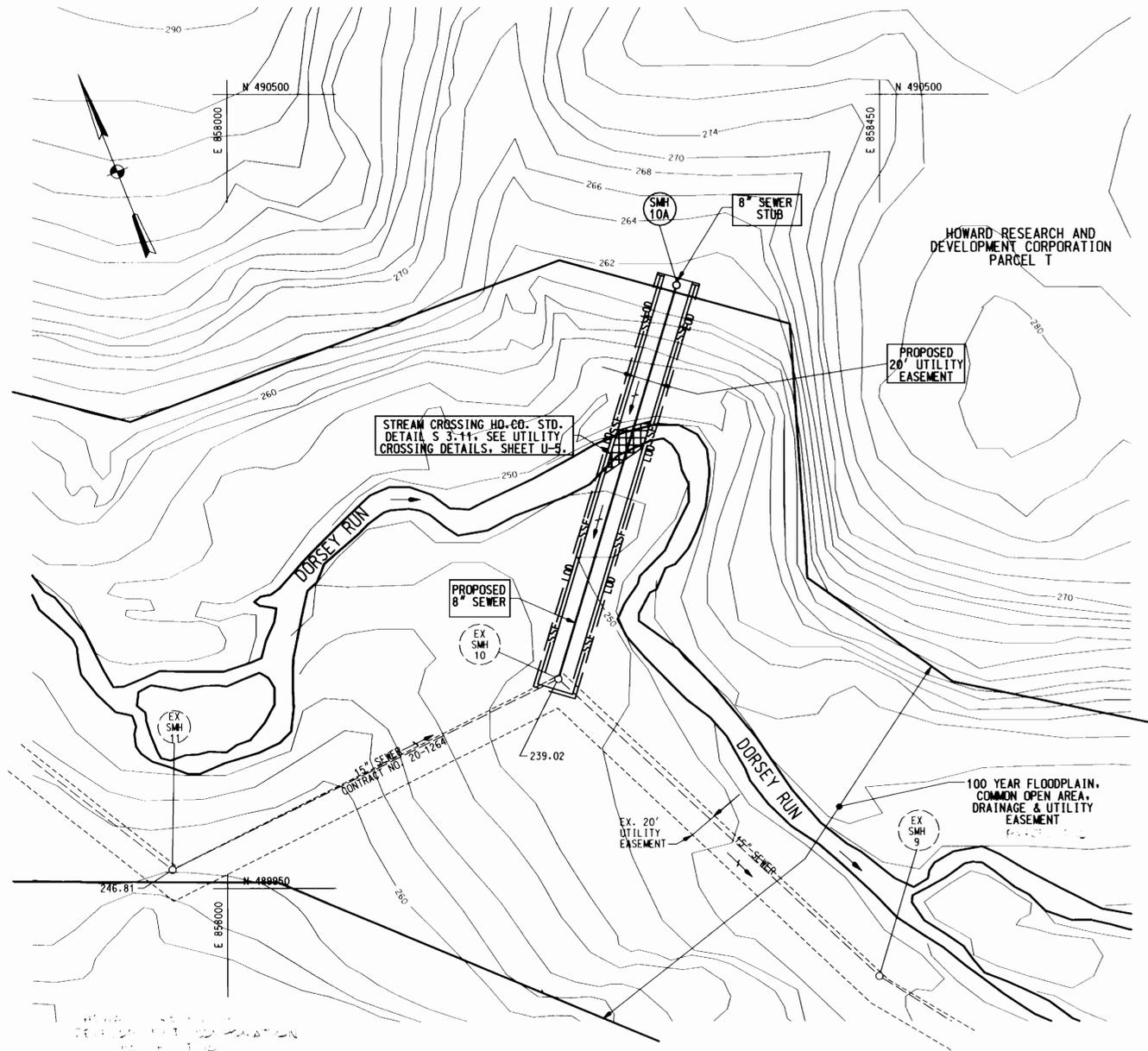
DES: LAF  
DRN: CCF  
CHK: JJS  
DATE: 2/99

BY	NO.	REVISION	DATE

PLAN AND PROFILE SEWER

COLUMBIA GATEWAY PARCEL T-7-10  
COLUMBIA GATEWAY DRIVE  
F-99-91  
CONTRACT NO. 24-3748-D  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
DWG.  
SHEET 3 OF 6



**PLAN**  
SCALE: 1" = 50'

**DRAWING NOTE:**

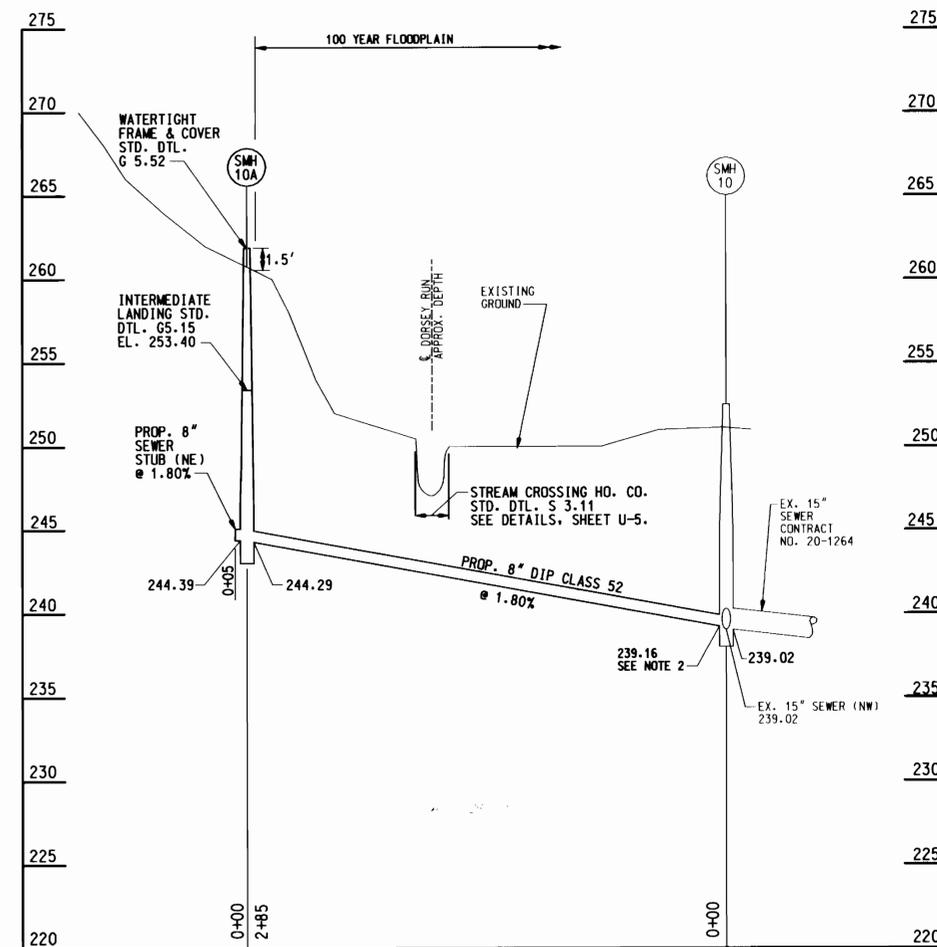
1. FOR ACCESS ROAD TO SITE, REFER TO MASS GRADING PLAN OF COLUMBIA GATEWAY JOHN McADAM DRIVE CONTRACT DRAWINGS.
2. RECONFIGURE EXISTING MANHOLE CHANNEL IN ACCORDANCE WITH STANDARD DETAIL G5.31.

**SEQUENCE OF CONSTRUCTION:**

1. OBTAIN A GRADING PERMIT.
2. CONTACT HOWARD COUNTY BUREAU OF CONSTRUCTION INSPECTION DIVISION (410-313-1870) PRIOR TO STARTING DATE. (4 DAYS)
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS PER SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL VOL. IV. (2 DAYS)
4. PERFORM CLEARING AND GRUBBING OPERATIONS (2 DAYS).
5. EXCAVATE AND INSTALL PROPOSED 8" SEWER (6 DAYS).
6. RESTORE TRENCHES TO THEIR ORIGINAL CONDITION WITH SEEDING AS PER HOWARD COUNTY STANDARDS AND SPECIFICATION. (2 DAYS)
7. UPON PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTION, REMOVE SEDIMENT CONTROL DEVICES. (1 DAY)

SEWER STAKE-OUT TABLE		
STRUCTURE	NORTH	EAST
10A	490367.8090	858309.8750

RESTORATION SCHEDULE			
STA.	TO STA.	LENGTH	MATERIAL
EX. MH 10	1+65	165 FEET	SEEDING
1+65	1+85	20 FEET	CLASS II RIPRAP
1+85	MH 10A	100 FEET	SEEDING
MH 10A	0+05	5 FEET	SEEDING



**PROFILE**  
SCALE: HOR. 1" = 50'  
VERT. 1" = 5'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

**WALLACE, MONTGOMERY & ASSOCIATES**  
CIVIL AND STRUCTURAL ENGINEERS  
110 WEST ROAD  
TOWSON, MARYLAND 21204

*[Signature]*  
3.24.99

DES: LAF

DRN: CCF

CHK: JJS

DATE: 2/99

BY NO.

REVISION

DATE

600' SCALE MAP NO.

BLOCK NO.

**PLAN AND PROFILE  
SEWER**

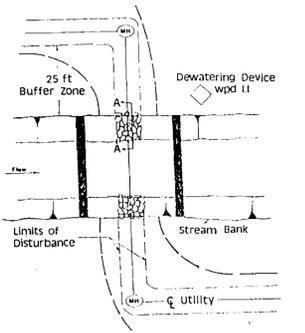
COLUMBIA GATEWAY PARCELS T-7-10  
COLUMBIA GATEWAY DRIVE  
F-99-91  
CONTRACT NO. 24-3748-D  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

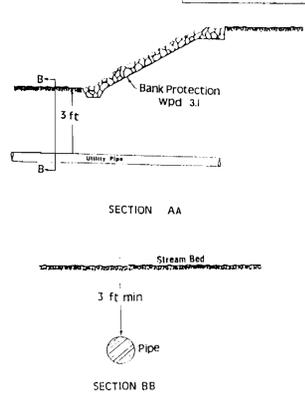
DWG.

SHEET

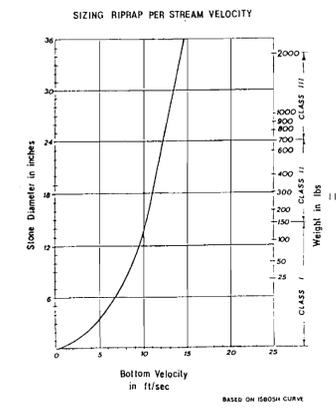
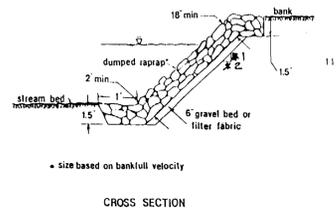
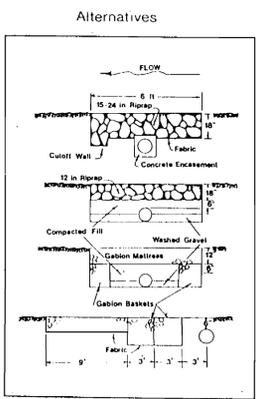
4 OF 6



- I. Description**  
This work shall consist of installing erosion control devices in and adjacent to temporary stream construction such as utility crossings.
- II. Construction Requirements**
- All erosion and sediment control devices shall be installed as the first order of work.
  - The contractor shall insure that a continuous perimeter control barrier is in place so as to minimize pollutants entering the water.
  - Excavated topsoil and subsoil shall be kept separate and replaced in their natural order.
  - All excavated materials shall be placed on the upland side of the excavation.
  - All construction shall take place during stream low flows. The length of construction time shall be limited to a maximum of 5 days for each crossing.
  - All utility crossings shall be placed at least three feet beneath the stream bed unless an alternative section is specifically approved by the Administration.
  - The contractor may elect to construct the utility crossing in two stages. In this case, a MRA approved flow barrier may be constructed to keep the construction area dry.
  - Sediment control devices are to remain in place until all disturbed areas are stabilized in accordance with an approved sediment and erosion control plan and the inspection authority approves their removal.



**UTILITY CROSSING**  
NOT TO SCALE



**RIPRAP GRADATION**

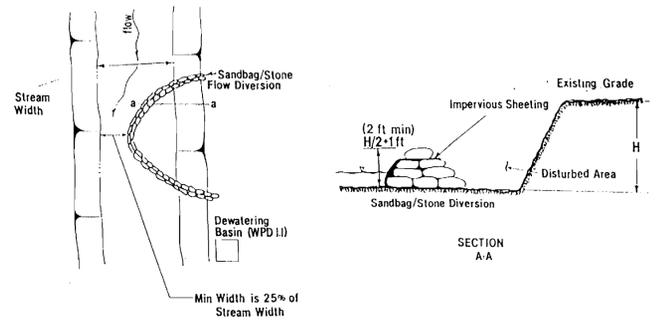
Class	Size	Percent of Total Weight Greater than the Given Size
Class I	150 lb (1.70 kg) 2 ft (1 kg)	100 max
Class II	700 lb (320 kg) 20 lb (10 kg)	100 max
Class III	2000 lb (910 kg) 40 lb (20 kg)	100 max

**RIPRAP**  
NOT TO SCALE

- I. Description**  
This work shall consist of protecting slopes and channels from erosion with coverings of stone in accordance with the plans and specifications shown on this drawing.
- II. Material Specifications**
- Bedding:
    - Bank run gravel shall meet the following requirements:
 

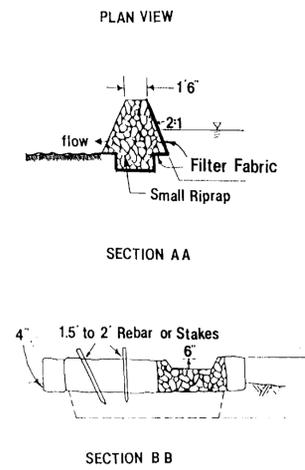
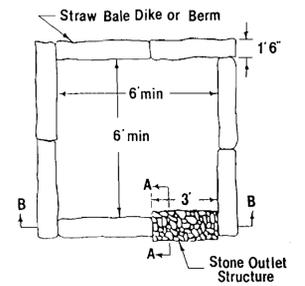
Less than	U.S. Standard sieve size
100	2 1/2 in
85 - 100	1 in
60 - 100	1/2 in
35 - 70	No. 10
20 - 50	No. 20
3 - 20	No. 100
    - Geotextile filter fabric shall meet the following requirements:
 

Tensile Strength	200 lbs.
Burst Strength	350 lbs.
Puncture Strength	70 lbs.
Permeability	.02 cm/sec
Elongation at Failure	30%
Minimum Lap Length	24 in
  - Riprap:
    - The maximum weight of stone shall be based upon the bankfull stream channel velocity, using the given chart. The gradation of the stone shall be as indicated.
- III. Construction Requirements**
- The contractor shall install all sediment and erosion control devices as a first order of business.
  - Provisions must be made to anchor the riprap at the stream bed so as to provide protection against undermining. If this cannot be accomplished by extending the toe trench as indicated in Cross Section, an alternative method of protection must be received prior written approval of the Administration.
  - Excavation for riprap shall be made in reasonably close conformity with the existing stream slope and bed.
  - A filter bedding is required under all riprap. Bedding material shall consist of either a bank run gravel or a geotextile filter fabric meeting the specifications of II. 1B above.
  - The placement of riprap shall begin with the toe. The larger stones shall be placed in the toe and along the outside edges of the limits of the slope and channel protection. The riprap shall be placed with suitable equipment in such a manner as to produce a reasonably graded mass of stones with zero drop height. The placing of stones that cause extensive segregation is not allowed.
  - Any excavation voids existing along the edges of the completed slope and channel protection shall be backfilled.
  - All disturbed areas shall be permanently stabilized in accordance with an approved sediment and erosion control plan.



- I. Description**  
The work shall consist of installing flow diversions for the purpose of erosion control when construction activities take place within the stream channel such as bank stabilization or bridge abutment construction.
- II. Material Specifications**
- Sandbags: Sandbags shall consist of materials which are resistant to ultra-violet radiation, tearing and puncture and woven tightly enough to prevent leakage of fill material (i.e., sand, fine gravel, etc.).
  - Stones: Stone shall be washed and have a minimum diameter of 6 inches.
  - Sheeting: Sheeting shall consist of polyethylene or other material which is impervious and resistant to puncture and tearing.
- III. Construction Requirements**
- All erosion and sediment control devices shall be installed as the first order of work.
  - The diversion structure shall be installed from upstream to downstream.
  - The height of the diversion structure shall be one half the distance from stream bed to stream bank plus one foot, as indicated on the cross-section view.
  - All excavated materials shall be disposed of in a SCD approved disposal area outside the 100-year floodplain unless otherwise approved on the plans by the MRA.
  - All dewatering of the construction area shall be pumped to a dewatering basin prior to re-entering the stream.
  - Sheeting shall be overlapped such that the upstream portion covers the downstream portion with at least an 18-inch overlap.
  - Sediment control devices are to remain in place until all disturbed areas are stabilized in accordance with an approved sediment and erosion control plan and the inspecting authority approves their removal.

**SANDBAG/STONE DIVERSION**  
NOT TO SCALE



**DEWATERING BASINS**  
NOT TO SCALE

- I. Description**  
The work shall consist of the construction of a dewatering basin for the purpose of receiving sediment-laden water pumped from a construction site to allow filtration before the water re-enters the waterway.
- II. Material Specifications**
- Riprap: Riprap shall consist of 4-8 inch washed stone or gravel.
  - Filter Fabrics: The filter cloth shall be a woven or nonwoven fabric consisting only of continuous chain polymeric filaments or yarns of polyester. The fabric shall be inert to commonly encountered chemicals, hydrocarbons, mildew, and rot resistant. No. 6 stone (ASTM 57) may be used on the inner-face for filtering instead of fabric.
  - Strawbales: Strawbales shall meet the criteria as specified in the Maryland Standards and Specifications for Soil Erosion and Sediment Control.
- III. Construction Requirements**
- The contractor shall install all sediment and erosion control devices as the first order of business.
  - Excavated materials shall be stored such that sediments are prevented from entering the waterway; i.e., sediment perimeter controls may be necessary.
  - Excavated subsoil and topsoil shall be kept separate and replaced in their natural order.
  - Any dewatering of the construction area shall be filtered through a dewatering basin prior to entering the waterway.
  - The dewatering basin shall be excavated to a minimum depth of 3 feet.
  - Once the dewatering basin becomes filled to 1/2 of the excavated depth, accumulated sediment shall be removed and disposed of in a SCD approved disposal area outside the 100-year floodplain unless otherwise approved on the plans by the MRA.
  - Sediment control devices are to remain in place until all disturbed areas are stabilized and the inspecting authority approves their removal. All ground contours shall be returned to their original condition unless specifically approved otherwise by the Administration.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
4-9-99

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
4/9/99

WALLACE, MONTGOMERY & ASSOCIATES  
CIVIL AND STRUCTURAL ENGINEERS  
110 WEST ROAD  
TOWSON, MARYLAND 21284

3-24-99

DES: LAF	
DRN: MEK	
CHK: JJS	
DATE: 2/99	
BY NO.	REVISION

600' SCALE MAP NO.	BLOCK NO.
--------------------	-----------

COLUMBIA GATEWAY PARCELS T-7-10  
COLUMBIA GATEWAY DRIVE  
F-99-91  
CONTRACT NO. 24-3748-D  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
DWG.  
SHEET 5 OF 6

**STANDARD SEDIMENT CONTROL NOTES**

1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (410-313-1855).
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITH: A.) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEPPER 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 7 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING AND MULCHING (SEC. G). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL 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	=	133.4	ACRES
AREA DISTURBED	=	5.8	ACRES
AREA TO BE ROOFED OR PAVED	=	1.2	ACRES
AREA TO BE VEGETATIVELY STABILIZED	=	4.6	ACRES
TOTAL CUT	=	24,500	CU./YDS.
TOTAL FILL	=	24,300	CU./YDS.

 OFF SITE WASTE/BORROW AREA LOCATION: AT A LOCATION DETERMINED BY THE CONTRACTOR WITH AN ACTIVE GRADING PERMIT.
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 SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE 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 THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
12. SPOIL FROM THE TRENCHING OPERATION IS TO BE PLACED ON THE UPHILL SIDE OF THE TRENCH.

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN A GRADING PERMIT.
2. CONTACT HOWARD COUNTY BUREAU OF CONSTRUCTION INSPECTION DIVISION (410-313-1870) PRIOR TO STARTING DATE. (4 DAYS)
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS PER SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL VOL. IV. (2 DAYS)
4. EXCAVATE AND INSTALL PROPOSED 8" WATER & 8" SEWER (61 DAYS)
5. EXCAVATE AND INSTALL PROPOSED WATER CONNECTIONS (2 DAYS)
6. RESTORE TRENCHES TO THEIR ORIGINAL CONDITION AS PER HOWARD COUNTY STANDARDS WITH TEMPORARY PAVING HOWARD COUNTY STANDARD SPECIFICATION. (2 DAYS)
7. UPON PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTION, REMOVE SEDIMENT CONTROL DEVICES. (1 DAY)
8. INSTALL PERMANENT PAVING PATCH OVER TRENCH. (2 DAYS)

**TEMPORARY SEEDING NOTES**

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

**SEEDBED PREPARATION** - LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

**SOIL AMENDMENTS** - APPLY 60 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 (0.07 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 SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

REFER TO THE "1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR RATE AND METHODS NOT COVERED.

**PERMANENT SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

**SEEDBED PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

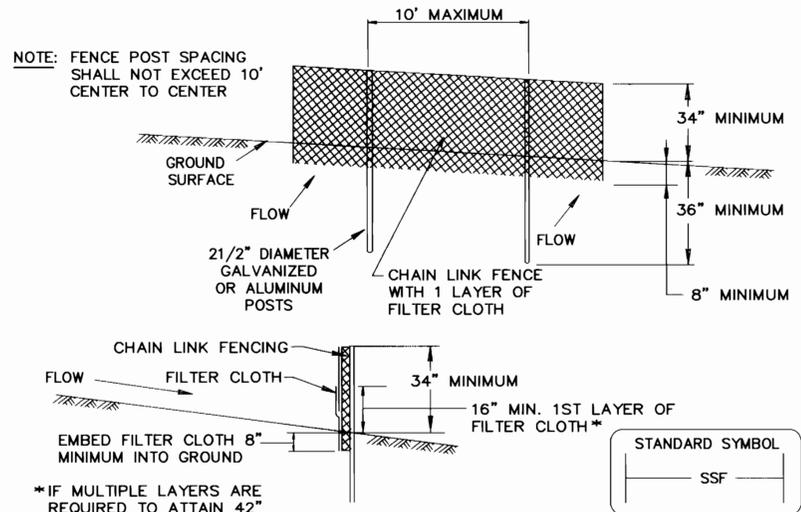
**SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 1) **PREFERRED** - APPLY 2 TONS PER ACRES DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFORM 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 DISK 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 (0.05 LBS/1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, 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.



**CONSTRUCTION SPECIFICATIONS**

1. FENCING SHALL BE 42" IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6' FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 6' LENGTH POSTS.
2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
3. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
4. FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 8" INTO THE GROUND.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHES 50% OF FENCE HEIGHT
7. FILTER CLOTH SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:

TENSILE STRENGTH	50 LBS/IN (MIN.)	TEST: MSMT 509
TENSILE MODULUS	20 LBS/IN (MIN.)	TEST: MSMT 509
FLOW RATE	0.3 GAL/FT <sup>2</sup> /MINUTE (MAX.)	TEST: MSMT 322
FILTERING EFFICIENCY	75% (MIN.)	TEST: MSMT 322

**SUPER SILT FENCE**

NOT TO SCALE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

**WALLACE, MONTGOMERY & ASSOCIATES**  
CIVIL AND STRUCTURAL ENGINEERS  
110 WEST ROAD  
TOWSON, MARYLAND 21204

*[Signature]*  
3-24-99

DES: LAF			
DRN: MEK			
CHK: JJS			
DATE: 2/99	BY	NO.	REVISION

**SEDIMENT CONTROL NOTES & DETAILS**

COLUMBIA GATEWAY PARCEL T-7  
COLUMBIA GATEWAY DRIVE  
F-99-91  
CONTRACT NO. 24-3748-D  
ELECTION DISTRICT NO. 6  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
DWG.  
SHEET 6 OF 6