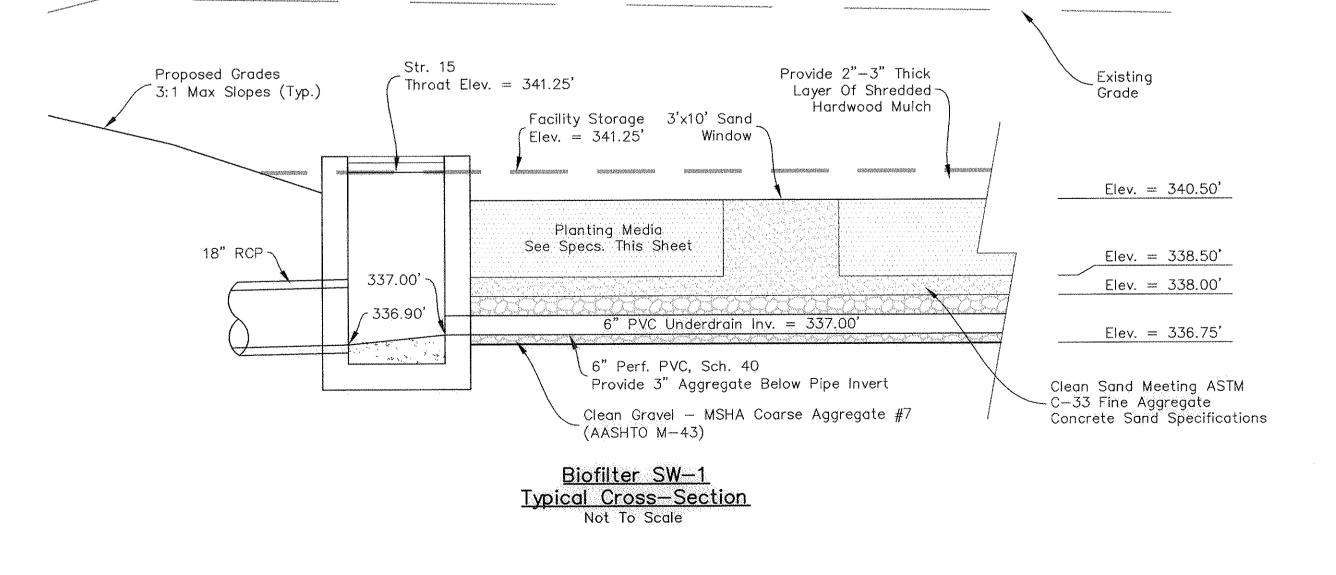


CONSTRUCTION INSPECTION CHECK-OFF LIST FOR BIOFILTRATION FACILITY (BF) DESIGN ENGINEER GEOTECHNICAL COUNTY STAGE ENGINEER(GEO) INSPECTOR & OTHER * MANDATORY NOTIFICATION: Inspection and approval by the party indicated is required | INITIALS/DATE INITIALS/DATE INITIALS/DATE INITIALS/DATE at these points prior to proceeding with construction. The permittee is required to give the required inspection parties twenty-four (24) hours notice (MCDPS telephone 240-777-6300). The DPS Inspector may waive an inspection, provided the design engineer (DE) and/or geotechnical engineer (GEO) make the required inspection per a prior scheduled arrangement which has been confirmed with the DPS Inspector. Work completed without the necessary parties approval may result in the permittee having to remove and reconstruct the unapproved work. The permittee must maintain a "record set" of approved SC/SM plans on-site. Pre-construction meeting & field review of tree save flagging (DE) and (MNCP&PC) Sediment control installation Grade and stabilize drainage area to biofiltration facility Excavate biofiltration facility (DE) or (GEO) Install sand, gravel, observation wells, and any other required pipe (DE) or (GEO) Install planting soil and mulch layer (DE) or (GEO) Install perimeter stabilization and placement of final cover. Place silt fence around bioretention facility. Install permanent landscaping/vegetative stabilization (DE) or (GEO). 9. Submit record drawing and documentation to MCDPS — including a copy of this completed check-off list and all delivery tickets (DE).). Unblock any storm drain draining to facility with DPS inspector's written approval. Install any necessary trash racks on flowsplitter structures. 1. Other items 12. Final inspection (DE) and (GEO) NOTES: 1. Permittee to supply Design Engineer with delivery tickets for all materials used in bioretention facility construction. 2. See construction specifications this plan for detailed requirements. 3. A copy of this completed checklist must be submitted as part of the stormwater management as—built package. MCDPS Inspection Telephone: 240-777-6300 MNCP&PC Inspection Telephone: 301-495-4571



Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work. The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.

Sand is to be Washed ASTM C33 Fine Aggregate Concrete Sand. In addition to the ASTM C33 specification, sand must meet ALL of the following conditions: meet ALL of the following conditions:

1. Sand must meet gradation requirements for ASTM C-33 Fine Aggregate Concrete Sand. AASHTO M-6 gradation is also acceptable.

SAND SPECIFICATIONS:

- Sand must be silica based ... no limestone based products may be used. If the material is white or gray in color, it is probably not acceptable.
- 3. Sand must be clean. Natural, unwashed sand deposits may be used. Likewise, sand that has become contaminated by improper storage or installation practices
- 4. Manufactured sand or stone dust is not acceptable under any circumstance.

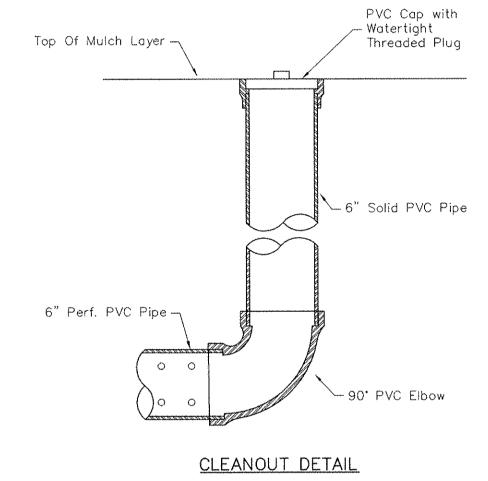
	PERFORATION	N REQUIREMEN	NTS	
PIPE DIAMETER	PERFORATION DIAMETER	HOLES PER LINEAR FOOT	HOLE CONFIGURATION	
6"	0.375" (¾")	12	4 @ 90°c/c	

The underdrain pipe consists of 6-inch diameter Schedule 40 or stronger perforated PVC pipes at 0.0% slope. Perforations must be % inch in diameter and must be located 4 inches on center, every 90 degrees around

Access for cleaning all underdrain piping is needed. Cleanouts for each pipe should extend at least 6 inches above the top of the upper filter surface (i.e., the top layer of the upper gravel) and have a removable waterproof

MICRO-BIORETENTION MAINTENANCE	
TASK	RECOMMENDED INTERVAL
INSPECT AND REPAIR SOIL EROSION	MONTHLY AND AFTER HEAVY RAINS
REMOVE DEBRIS, TRASH, SILT, ETC & REPLACE MULCH LAYER	MINIMUM 2 TIMES PER YEAR (SPRING AND FALL)
INSPECT PLANTS FOR DAMAGE & DISEASE/PEST PROBLEMS PRUNE AND TREAT PLANTS AS NEEDED & AS APPROPRIATE PER SPECIES. REMOVE AND REPLACE DEAD AND DISEASED PLANTS CONSIDERED	MINIMUM 2 TIMES PER YEAR (3/15-4/30 and 10/1-11/30)

BEYOND TREATMENT



BIOFILTER, MICRO-BIORETENTION FACILITY AND BIO-SWALE PLANTING MEDIA SPECIFICATIONS

A. Planting Soil

The Planting media shall consist of 1/3 perlite or solite, 1/3 compost and 1/3 topsoil. The perlite shall be coarse grade horticultural perlite. The compost shall be high grade compost free of stones and partially composted woody material. The soil shall meet the following minimum criteria: contain no more than 10% clay, 10 - 25% silt and 60 - 75% sand. The soil shall be free of stones, stumps, roots or other material larger than 2" or substance that may be harmful to plant growth or a hindrance to planting or maintenance operations. The first layer of the planting media shall be lightly tilled to mix it into the sand layer, so as not to create a definitive boundary. The planting media shall be flooded after placement. Any settlement that occurs shall be filled back to the design elevation. The planting soil shall be free of plants or plant parts of Bermuda grass, Quack grass, Johnson grass, Mugwort, Nutsedge, Poison Ivy, Canadian Thistle. or others as specified. It shall not contain toxic substances harmful to plant growth.

B. Mulch Layer Specifications

A 2" — 3" mulch layer shall be provided on top of the planting soil. An acceptable mulch layer shall include double—shredded, aged hardwood. Pine Bark mulch is NOT acceptable. The mulch must be well aged, uniform in color, and free of foreign material including plant material. Well aged mulch is defined as mulch that has been stockpiled or stored for at least twelve (12) months.

C. Sand Specifications

The sand shall be free of deleterious material and rocks greater than 1 inch in diameter, ASTM C-33 Fine Aggregate Concrete Sand. Manufactured sand or stone dust is NOT

D. Gravel Specifications

The gravel layer surrounding the underdrain pipes must meet MSHA Size No. 7 (Table 901A), and must provide a minimum of 6 inches cover over the pipes and a minimum of 3 inches under the pipes. NO geotextile or filter fabric is allowed anywhere within the filter media (stone and sand).

E. Compaction

Material shall be placed in lifts less than 18 inches and lightly compacted (minimal compactive effort) by tamping with a bucket from a dozer or a backhoe. Planting bed shall be flooded after completion. Any settlement that occurs shall be filled back to the design elevation.

BIORETENTION AREA PLANT SPECIFICATIONS

General Planting Specifications

- 1. Root stock of the plant material shall be kept moist during transport from the source to the job site and until planted.
- 2. Walls of planting pit shall be dug so that they are vertical.
- 3. The diameter of the planting pit must be a minimum of six inches (6") larger than the diameter of the root ball of the tree.
- 4. The planting pit shall be deep enough to allow 1/8th of the root ball to be above the existing grade. Loose soil at the bottom of the pit shall be tamped by hand.
- 5. The appropriate amount of fertilizer is to be placed at the bottom of the pit (see below for fertilization rates).
- 6. The plant shall be removed from the container and placed in the planting pit by
- lifting and carrying the plant by its root ball (never lift by branches or trunk).
- 7. Set the plant straight and in the center of the pit so that the top 1/8th of the root ball is above the final grade.
- 8. Backfill planting pit with existing soil.
- 9. Make sure plant remains straight during backfilling procedure. 10. Never cover the top of the root ball with soil. Mound soil in a 3"—high ring around
- the exposed root ball.
- 11. Trees shall be braced by using 2" by 2" white oak stakes. Stakes shall be placed parallel to walkways and buildings. Stakes are to be equally spaced on the outside of the tree ball. Utilizing hose and wire, the tree is braced to the stakes.

Fertilization

1. Tree and Shrub fertilizer shall be a 21 gm. tightly compressed, long lasting, slow release (2 year) fertilizer tablet with a minimum guaranteed analysis of 20-10-5:

Total Nitrogen (N) Water Soluble Organic Nitrogen - 7% Water Insoluble Organic Nitrogen - 13% Available Phosphoric Acid (P205) - 10% Soluble Potash (K20)

2. For containerized trees and shrubs, place the specified fertilizer tablet(s) in the bottom of the planting pit according to the following rates:

1 gal. Container — 1 ea. 21 gm. Tablets 3 gal. Container — 2 ea. 21 gm. Tablets 5 gal. Container — 3 ea. 21 gm. Tablets 7 gal. Container — 5 ea. 21 gm. Tablets

Planting Optional Non-Grass Ground Cover

1. The ground cover planting holes shall be dug through the mulch with one of the following: hand trowel, shover, bulb planter, or hoe (this does not apply to grasses

or legumes).

2. Before planting, biodegradable pots shall be split and non-biodegradable pots shall be removed. Root systems of all potted plants shall be split or crumbled.

3. The ground cover shall be planted so that the roots are surrounded by the soil below the mulch. Potted plants shall be set so that the top of the pot is even with the existing grade. The roots of bare root plants shall be covered to the crown.

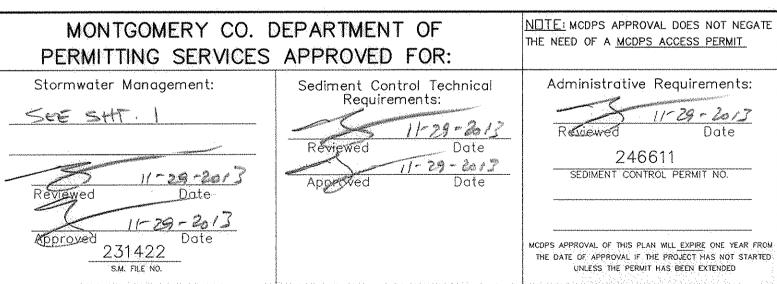
4. The mulched and planted ground cover bed shall be treated with a pre-emergent

5. The entire ground cover bed shall be thoroughly watered.

Fertilizer

1. All ground covers shall be fertilized with a 10-6-4 analysis fertilizer as a wet application at the rate of 3 lbs. per 100 square feet of the bioretention area prior to planting non-grass ground cover or as part of the grass seed ground cover.

THIS PLAN IS FOR SOIL EROSION, SEDIMENT CONTROL AND SWM ONLY



Professional Certification

NO. DATE

DESCRIPTION

SOIL EROSION, SEDIMENT CONTROL and SWM PLAN Formerly Alta Vista, Parts of Lots 1 & 2

BETHESDA MEWS

Lots 1-11 & Parcels A & B / Blk A; Lots 1-23 & Parcels A, B & C / Blk B 7TH ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

Macris, Hendricks & Glascock, P.A. Engineers Planners
Landscape Architects Surveyors

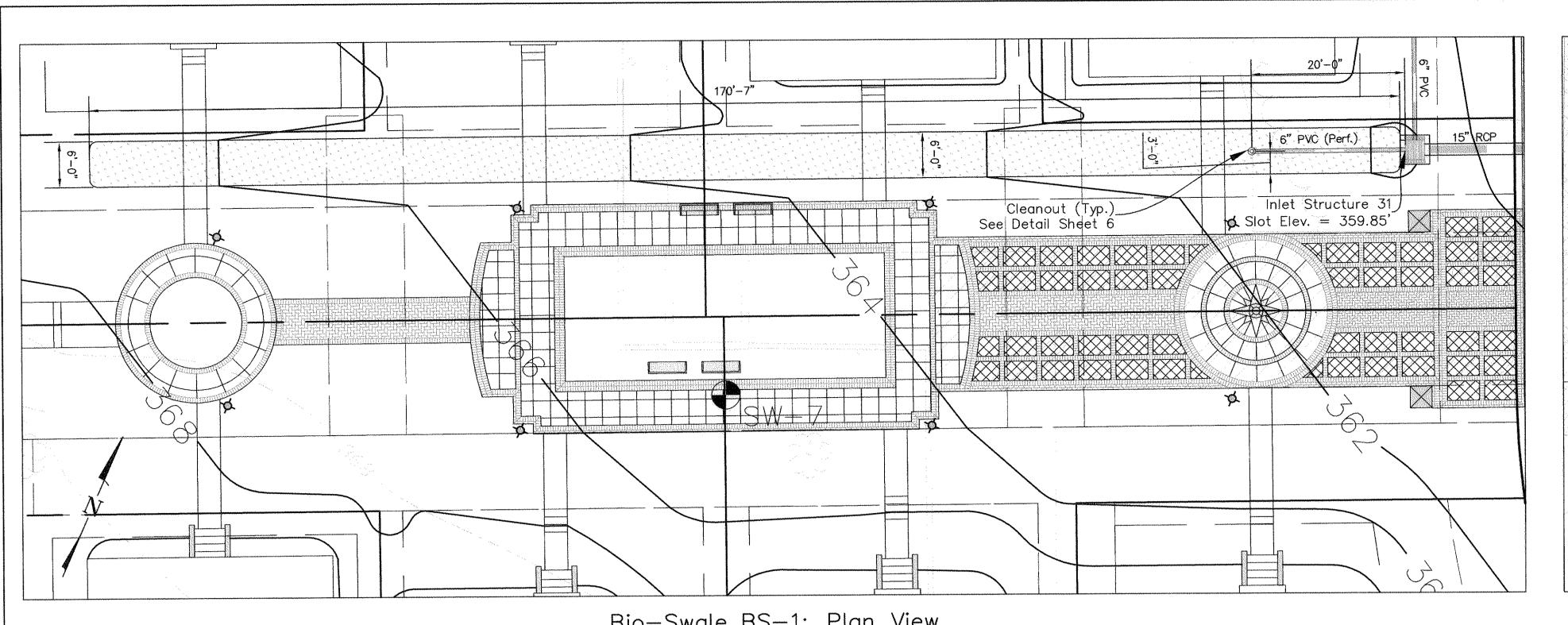
SEC KDJ Date Phone 301.670.0840 Fax 301.948.0693 www.mhgpa.com 05.287.32 6 of 18

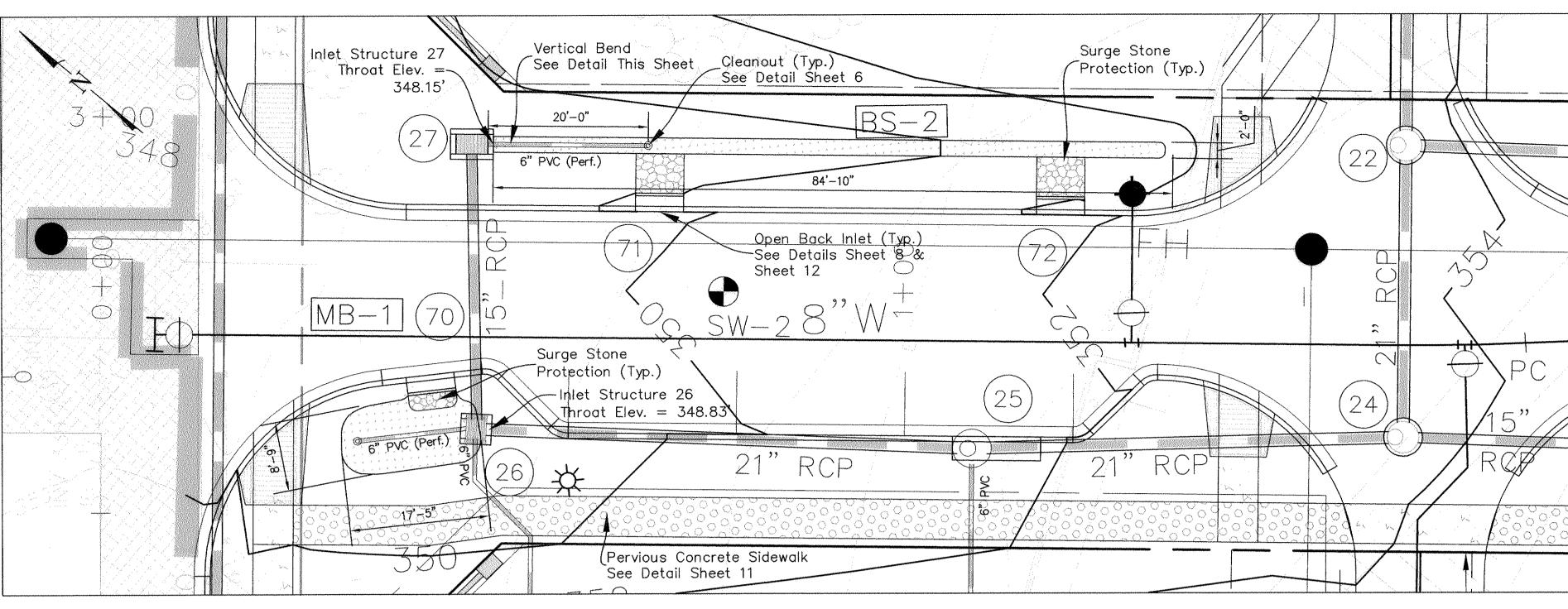
hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the 20886-1279 Laws of the State of Maryland License No. 16905, Expiration Date: 04/21/2014

9220 Wightman Road, Suite 120 Montgomery Village, Maryland

Scale 1-14-13 | As Shown Project No. | Sheet

Proj. Mgr. | Designer





Bio-Swale BS-1: Plan View

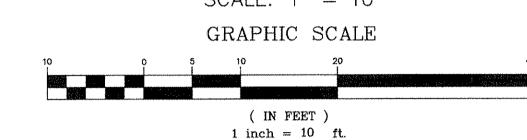
SCALE: 1" = 10'

GRAPHIC SCALE

1 inch = 10 ft.

See Biofilter, Micro-Bioretention and Bio-Swale Planting Media Specifications and Faciltiy Details Sheet 6

Bio-Swale BS-2 and Micro-Bioretention Facility MB-1: Plan View SCALE: 1" = 10'



CONSTRUCTION INSPECTION CHECK-OFF LIST FOR BIO-SWALE BS-1

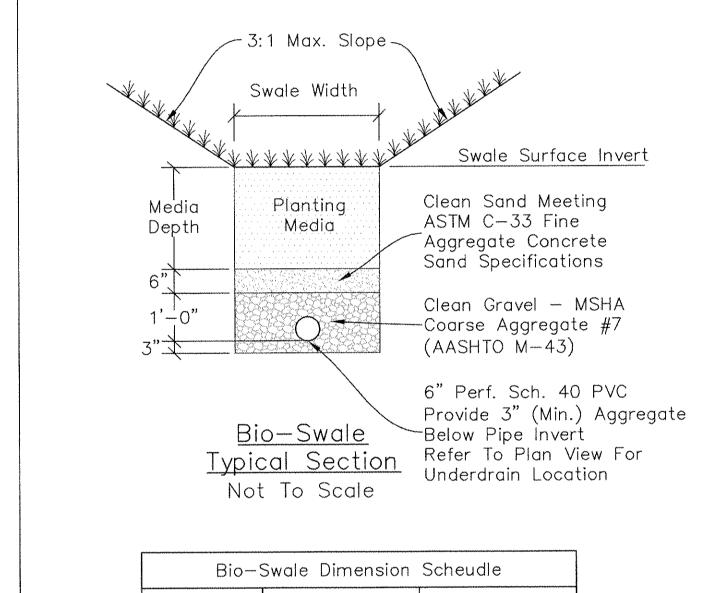
STAGE	MCDPS INSPECTOR	OWNER/ DEVELOPER
MANDATORY NOTIFICATION: Inspection and approval of each practice is required at these points prior to proceeding with construction. The permittee is required to give the MCDPS Inspector twenty-four (24) hours notice (DPS telephone 240-777-0311). The DPS inspector may waive an inspection and allow the owner/developer to make the required inspection per a prior scheduled arrangement which has been confirmed with the DPS inspector in writing. Work completed without MCDPS approval may result in the permittee having to remove and reconstruct the unapproved work. The permittee must maintain a "record set" of approved SC/SM plans on-site at all times. Upon Completion of the project, a formal Stormwater Management As-Built must be submitted to MCDPS unless a Record Drawing Certification has been allowed instead. Each of the steps listed below must be verified by either the MCDPS Inspector OR the Owner/Developer.	INITIALS/DATE	INITIALS/DATE
 Placement of backfill of underdrains and installation of diaphragms, forebays, check dams, or weirs conforms to approved plans 		
2. Final grading and establishment of permanent stabilization conforms to approved plans		

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR BIO-SWALE BS-2

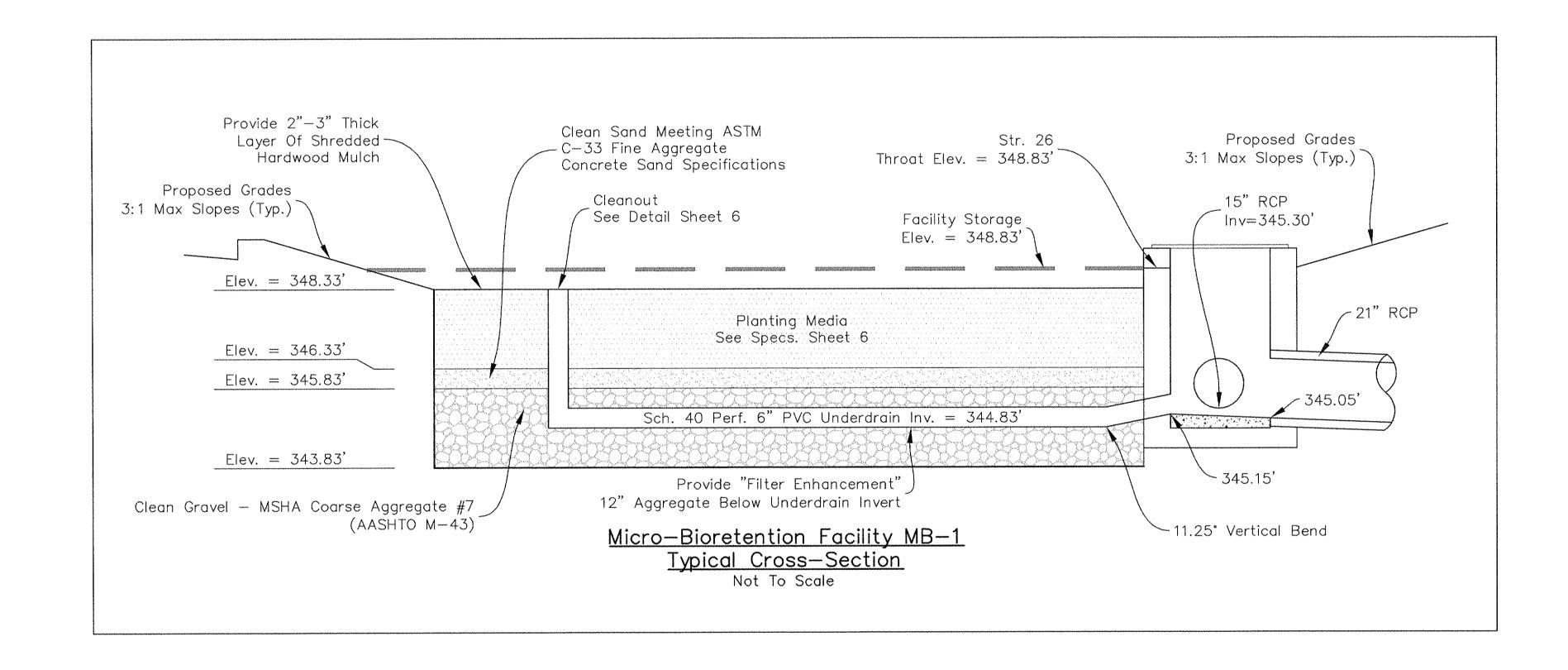
STAGE	MCDPS INSPECTOR	OWNER/ DEVELOPER
MANDATORY NOTIFICATION: Inspection and approval of each practice is required at these points prior to proceeding with construction. The permittee is required to give the MCDPS Inspector twenty-four (24) hours notice (DPS telephone 240-777-0311). The DPS inspector may waive an inspection and allow the owner/developer to make the required inspection per a prior scheduled arrangement which has been confirmed with the DPS inspector in writing. Work completed without MCDPS approval may result in the permittee having to remove and reconstruct the unapproved work. The permittee must maintain a "record set" of approved SC/SM plans on-site at all times. Upon Completion of the project, a formal Stormwater Management As-Built must be submitted to MCDPS unless a Record Drawing Certification has been allowed instead. Each of the steps listed below must be verified by either the MCDPS Inspector OR the Owner/Developer.		INITIALS/DATE
 Placement of backfill of underdrains and installation of diaphragms, forebays, check dams, or weirs conforms to approved plans 		
2. Final grading and establishment of permanent stabilization conforms to approved plans		

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR MICRO BIORETENTION FACILITY MB-1

STAGE	MCDPS INSPECTOR	OWNER/ DEVELOPER
MANDATORY NOTIFICATION: Inspection and approval of each practice is required at these points prior to proceeding with construction. The permittee is required to give the MCDPS Inspector twenty-four (24) hours notice (DPS telephone 311). The DPS inspector may waive an inspection and allow the owner/developer to make the required inspection per a prior scheduled arrangement which has been confirmed with the DPS inspector in writing. Work completed without MCDPS approval may result in the permittee having to remove and reconstruct the unapproved work. Upon completion of the project, a formal Stormwater Management As-Built must be submitted to MCDPS unless a Record Drawing Certification has been allowed instead. Each of the steps listed below must be verified by either the MCDPS Inspector OR the Owner/Developer.	INITIALS/DATE	INITIALS/DATE
1. Excavation for Micro Bioretention facility conforms to approved plans		
2. Placement of stone backfill and underdrain system conforms to approved plans		
2. Tracement of stone backing and another system system.		
3. Placement of filter media conforms to approved plans		



Bio—Swale Dimension Scheudle			
Swale	Swale Width	Media Depth	
BS-1	6'-0"	2'-0"	
BS-2	2'-0"	2'-0"	



Hyd &

NO. DATE

DESCRIPTION

11-15-13

Professional Certification

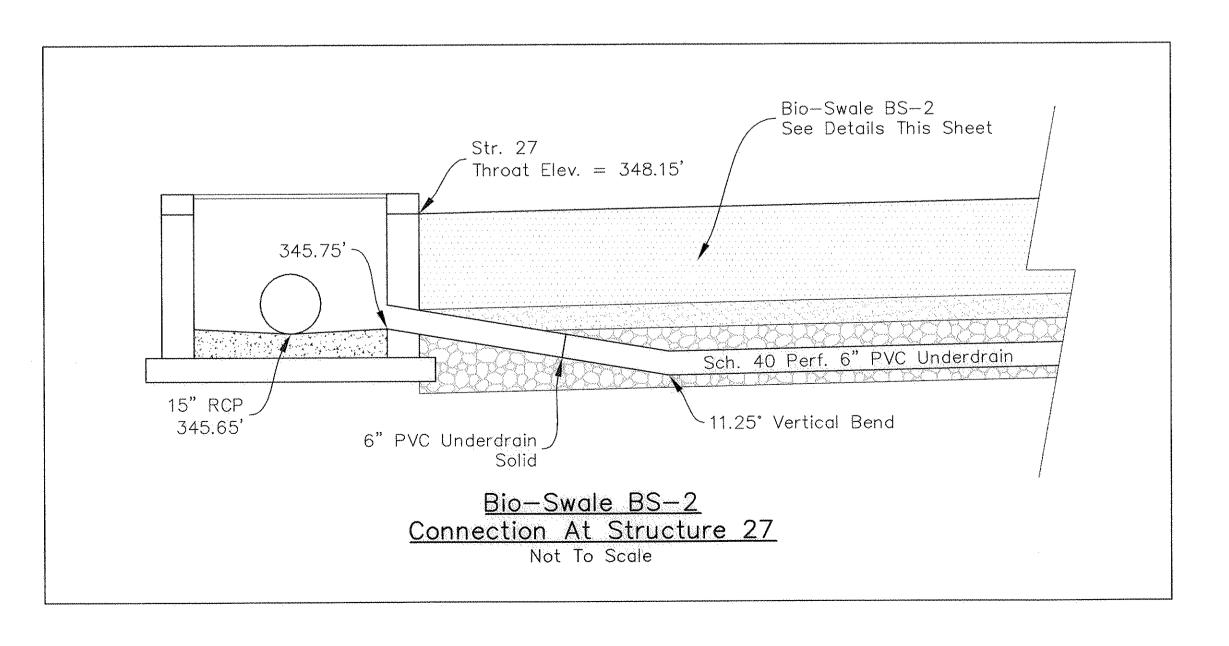
prepared or approved by me, and that I am a

duly licensed Professional Engineer under the Laws of the State of Maryland License No. 16905, Expiration Date: 04/21/2014

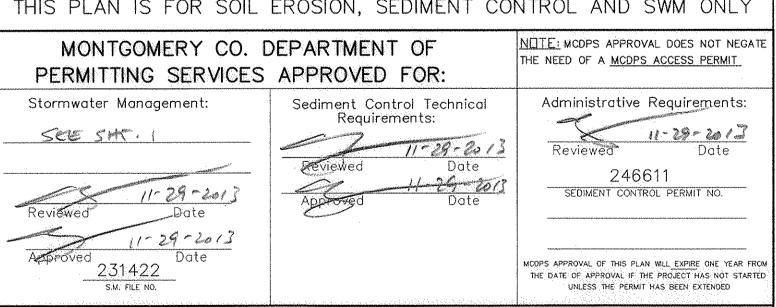
Design Engineer SWM Construction Observation Requirements

The contractor is required to contact the Design Engineer at (301) 670-0840 with at least 24 hours advance notice at the following stages of Micro-Bioretention Facilty and/or Bio-Swale construction:

- Facility excavation
- Aggregate installation
 Underdrain layout and installation
 Sand layer installation
- Planting media installation
 SWM plantings and landscaping installation
- Failure to notify the Design Engineer may necessitate SWM facility reconstruction.







SOIL EROSION, SEDIMENT CONTROL and SWM PLAN
Formerly Alta Vista, Parts of Lots 1 & 2

BETHESDA MEWS

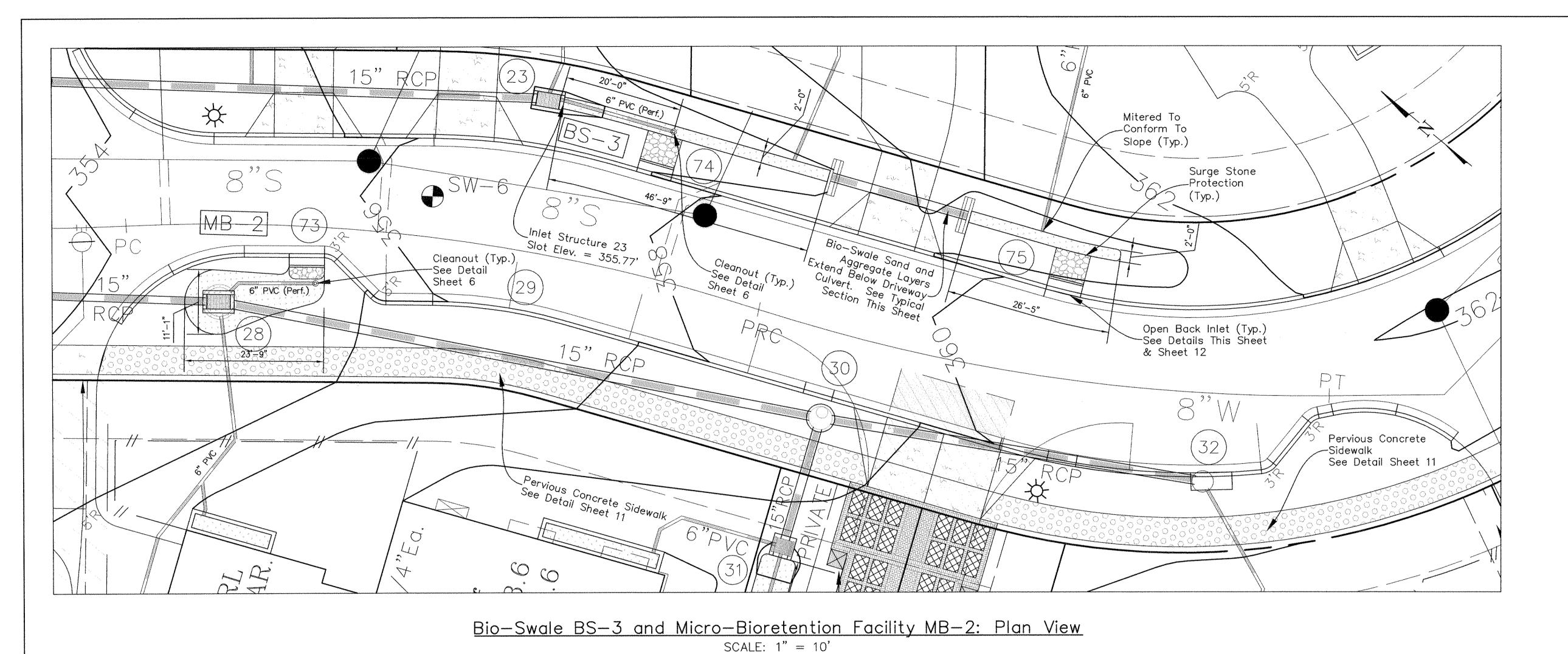
Lots 1-11 & Parcels A & B / Blk A; Lots 1-23 & Parcels A, B & C / Blk B
7TH ELECTION DISTRICT — MONTGOMERY COUNTY — MARYLAND

■ MHG	Macris, Hendricks & Glascock, P.A. Engineers Planners Landscape Architects Surveyors	Proj. Mgr. SEC Date	Designer KDJ Scale
9220 Wightman Road, Suite 120	Phone 301.670.0840	11-14-13	As Shown Sheet 7 of 18
Montgomery Village, Maryland	Fax 301.948.0693	Project No.	
20886-1279	www.mhgpa.com	05.287.32	

Call "Miss Utility" at 1-800-257-7777,

48 hours prior to the start of work.

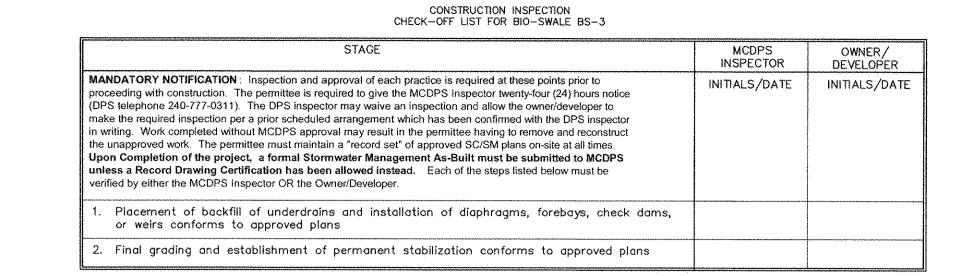
The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.



GRAPHIC SCALE

(IN FEET) 1 inch = 10 ft. See Biofilter, Micro-Bioretention and

Bio—Swale Planting Media Specifications and Faciltiy Details Sheet 6

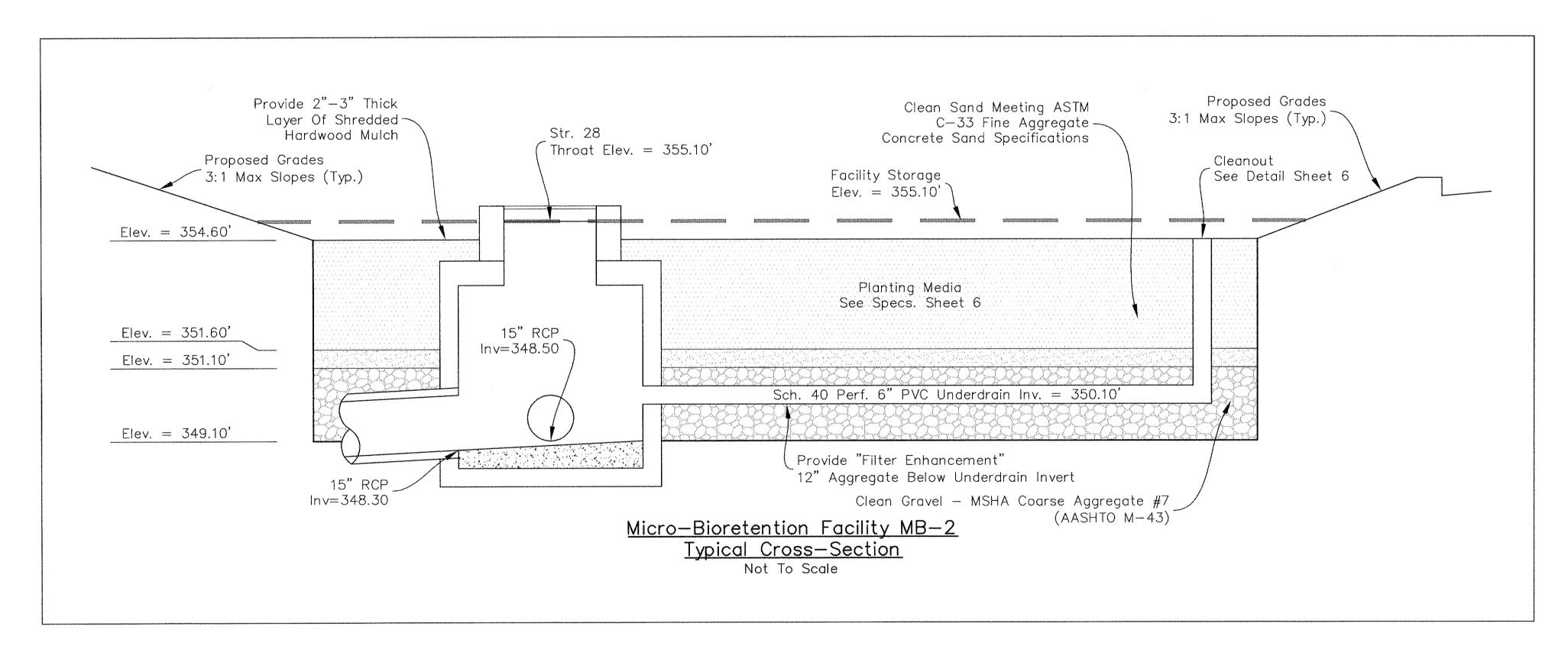


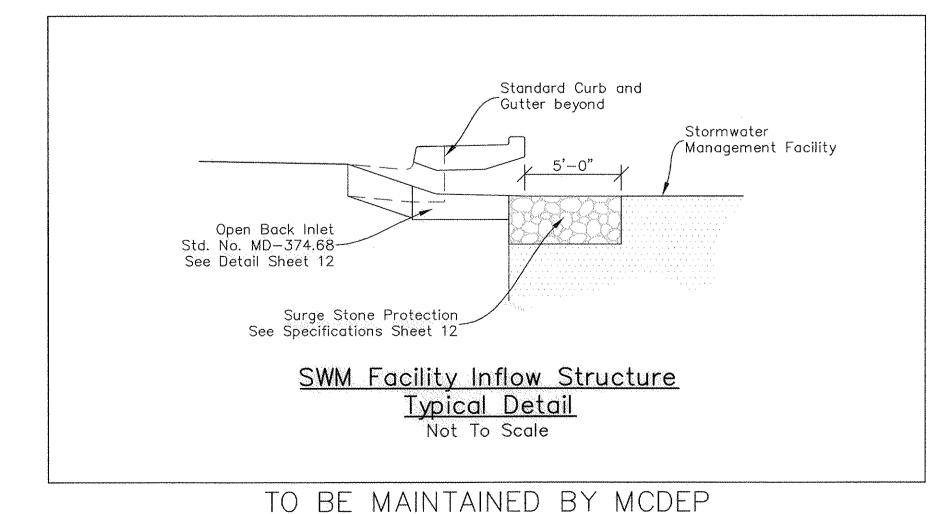
CONSTRUCTION INSPECTION
CHECK-OFF LIST FOR MICRO BIORETENTION FACILITY MB-2

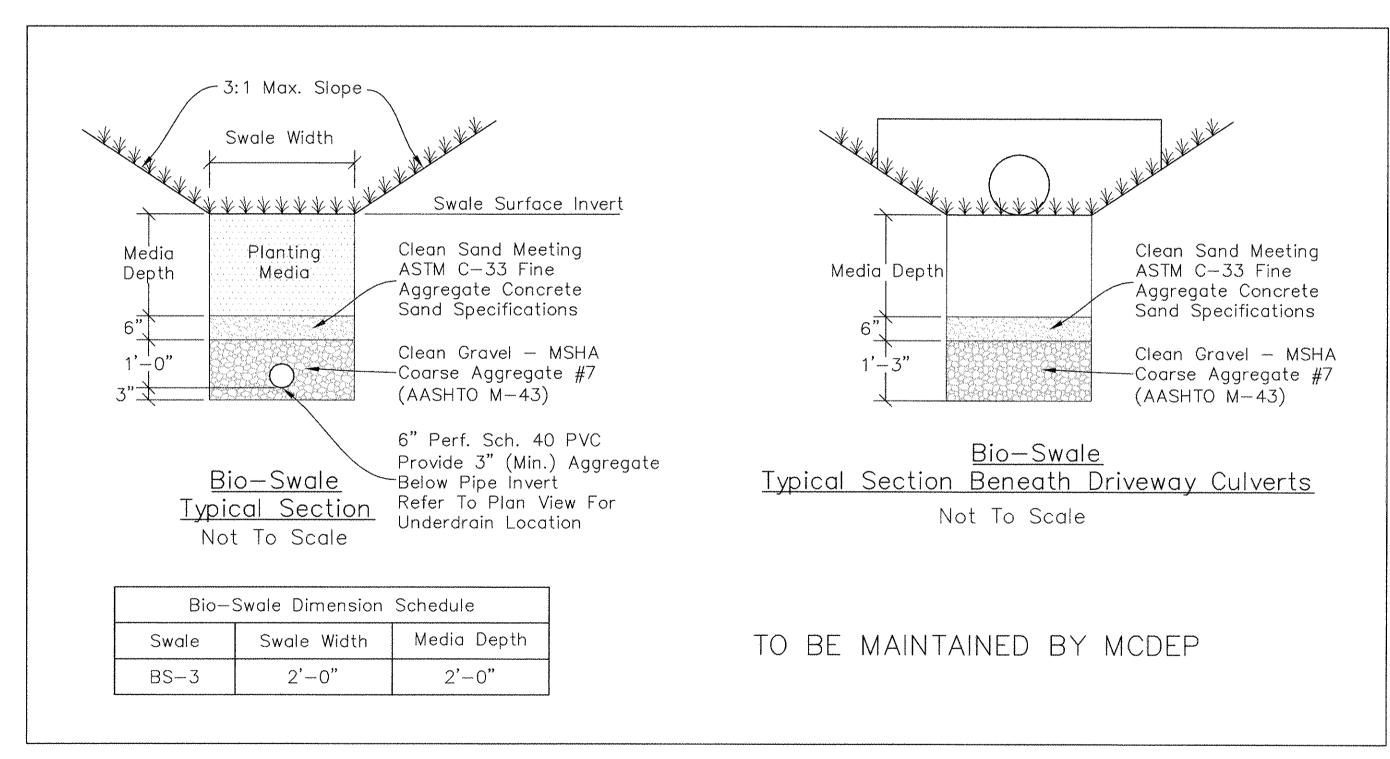
STAGE	MCDPS INSPECTOR	OWNER/ DEVELOPER
MANDATORY NOTIFICATION: Inspection and approval of each practice is required at these points prior to proceeding with construction. The permittee is required to give the MCDPS Inspector twenty-four (24) hours notice (DPS telephone 311). The DPS inspector may waive an inspection and allow the owner/developer to make the required inspection per a prior scheduled arrangement which has been confirmed with the DPS inspector in writing. Work completed without MCDPS approval may result in the permittee having to remove and reconstruct the unapproved work. Upon completion of the project, a formal Stormwater Management As-Built must be submitted to MCDPS unless a Record Drawing Certification has been allowed instead. Each of the steps listed below must be verified by either the MCDPS inspector OR the Owner/Developer.	INITIALS/DATE	INITIALS/DATE
1. Excavation for Micro Bioretention facility conforms to approved plans		
2. Placement of stone backfill and underdrain system conforms to approved plans		
3. Placement of filter media conforms to approved plans		
4. Connecting pipes and/or grading conveyance to the facility constructed per the approved plans		
grand por the provide		

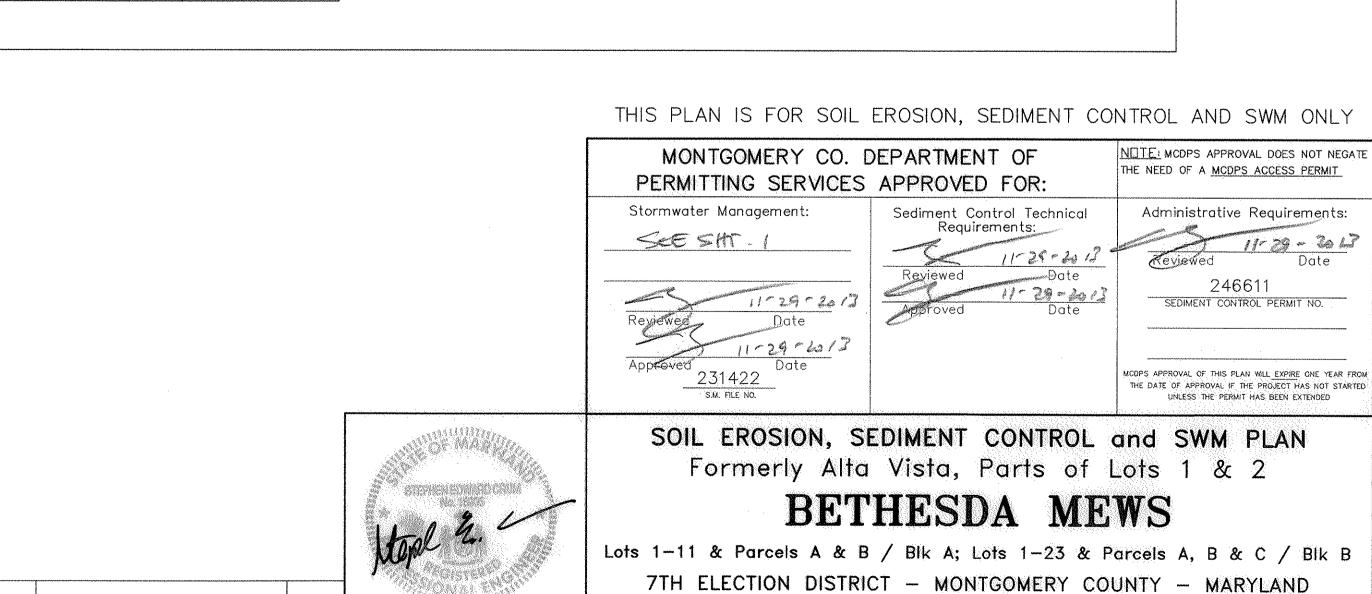
Design Engineer SWM Construction Observation Requirements The contractor is required to contact the Design Engineer at (301) 670-0840 with at least 24 hours advance notice at the following stages of Micro-Bioretention Facilty and/or Bio—Swale construction: Facility excavation Aggregate installation Underdrain layout and installation Sand layer installation Planting media installation • SWM plantings and landscaping installation

Failure to notify the Design Engineer may necessitate SWM facility reconstruction.









Proj. Mgr. Designer

11-14-13 | As Shown

Project No. Sheet

05.287.32 8 of 18

KDJ

Scale

SEC

Date

Phone 301.670.0840

Fax 301.948.0693

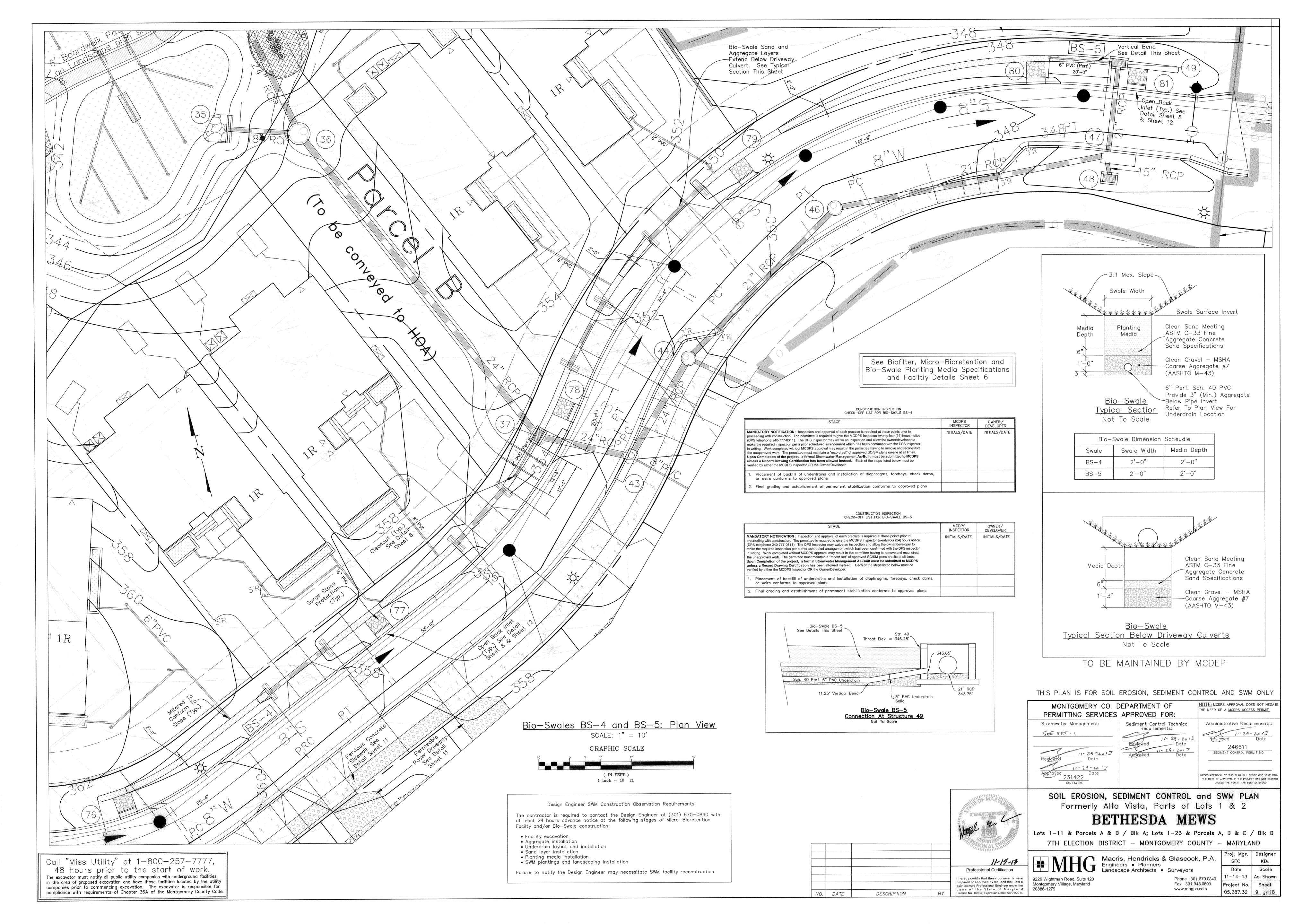
www.mhgpa.com

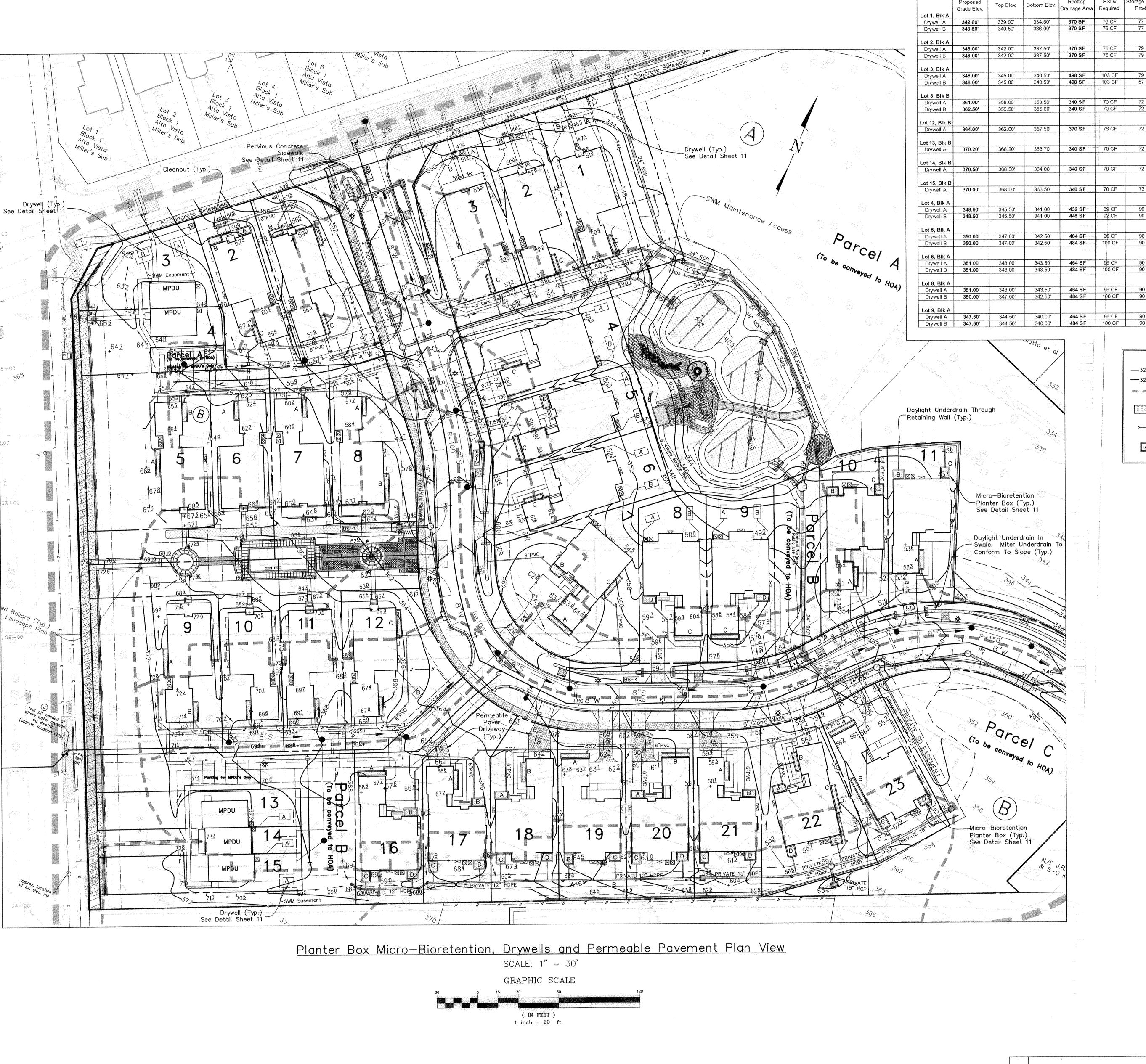
Macris, Hendricks & Glascock, P.A.

Engineers Planners

Landscape Architects Surveyors Professional Certification hereby certify that these documents were prepared or approved by me, and that I am a Montgomery Village, Maryland duly licensed Professional Engineer under the Laws of the State of Maryland | 20886-1279 NO. DATE DESCRIPTION License No. 16905, Expiration Date: 04/21/2014

Call "Miss Utility" at 1—800—257—7777, 48 hours prior to the start of work. The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.





Call "Miss Utility" at 1—800—257—7777, 48 hours prior to the start of work.

The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility

companies prior to commencing excavation. The excavator is responsible for

compliance with requirements of Chapter 36A of the Montgomery County Code.

Roof Drain Drywell Schedule* - See Detail Sheet 11 ESDv | Storage Volume |
 76 CF
 77 CF
 6.83'
 6.25'
 4.50'
 Provide Optional Overflow Pipe

 76 CF
 77 CF
 6.83'
 6.25'
 4.50'
 Provide Optional Overflow Pipe

 Drywell A
 346.00'
 342.00'
 337.50'
 370 SF
 76 CF
 79 CF
 8.83'
 5.00'
 4.50'
 Provide Optional Overflow Pipe

 Drywell B
 346.00'
 342.00'
 337.50'
 370 SF
 76 CF
 79 CF
 8.83'
 5.00'
 4.50'
 Provide Optional Overflow Pipe

 Planter Box A
 354.50'
 355.00'
 351.00'
 370 SF
 76 CF
 51 CF

 Planter Box B
 357.25'
 357.75'
 353.75'
 370 SF
 76 CF
 60 CF

 Planter Box C
 358.00'
 358.50'
 354.50'
 248 SF
 51 CF
 51 CF

 Drywell A
 348.00'
 345.00'
 340.50'
 498 SF
 103 CF
 79 CF
 8.83'
 5.00'
 4.50'
 Provide Optional Overflow Pipe

 Drywell B
 348.00'
 345.00'
 340.50'
 498 SF
 103 CF
 57 CF
 7.00'
 4.50'
 Provide Optional Overflow Pipe

 361.00'
 358.00'
 353.50'
 340 SF
 70 CF
 72 CF
 8.00'
 5.00'
 4.50'
 Provide Optional Overflow Pipe

 362.50'
 359.50'
 355.00'
 340 SF
 70 CF
 72 CF
 8.00'
 5.00'
 4.50'
 Provide Optional Overflow Pipe
 Planter Box A ∂lanter Box B 364.00' 362.00' 357.50' 370 SF 76 CF 72 CF 5.00' 8.00' 4.50' Provide Optional Overflow Pipe Planter Box A 366.00' 366.50' 362.50' 370 SF 76 CF 370.20' 368.20' 363.70' 340 SF 70 CF 72 CF 8.00' 5.00' 4.50' Drywell A 370.50' 368.50' 364.00' 340 SF 70 CF 72 CF 8.00' 5.00' 4.50' 370.00' 368.00' 363.50' 340 SF 70 CF 72 CF 8.00' 5.00' 4.50' | 345.50' | 341.00' | 432 SF | 89 CF | 90 CF | 10.00' | 5.00' | 4.50' | 345.50' | 341.00' | 448 SF | 92 CF | 90 CF | 5.00' | 10.00' | 4.50' Lot 9, Blk, B
 347.00'
 342.50'
 464 SF
 96 CF
 90 CF
 5.00'
 10.00'
 4.50'

 347.00'
 342.50'
 484 SF
 100 CF
 90 CF
 5.00'
 10.00'
 4.50'
 351.00' 348.00' 343.50' 464 SF 96 CF 90 CF 10.00' 5.00' 4.50' 351.00' 348.00' 343.50' 484 SF 100 CF 90 CF 10.00' 5.00' 4.50' Planter Box A 368.00' 368.50' 364.50' 248 SF 51 CF 51 CF
 Planter Box A
 368.00'
 368.50'
 364.50'
 248 SF
 51 CF
 51 CF

 Planter Box C
 367.00'
 367.50'
 363.50'
 370 SF
 76 CF
 75 CF

 Drywell A
 351.00'
 348.00'
 343.50'
 464 SF
 96 CF
 90 CF
 10.00'
 5.00'
 4.50'

 Drywell B
 350.00'
 347.00'
 342.50'
 484 SF
 100 CF
 90 CF
 10.00'
 5.00'
 4.50'

 Lot 16, Bik B
 Planter Box A
 367.50'
 368.00'
 364.00'
 414 SF
 85 CF
 75 CF

 Planter Box B
 366.50'
 367.00'
 363.00'
 292 SF
 60 CF
 60 CF

 Planter Box C
 369.00'
 369.50'
 365.50'
 448 SF
 92 CF
 61 CF

 Planter Box D
 368.00'
 368.50'
 364.50'
 432 SF
 89 CF
 61 CF

 Drywell A
 347.50'
 344.50'
 340.00'
 464 SF
 96 CF
 90 CF
 10.00'
 5.00'
 4.50'
 Provide Optional Overflow Pipe

 Drywell B
 347.50'
 344.50'
 340.00'
 484 SF
 100 CF
 90 CF
 10.00'
 5.00'
 4.50'
 Provide Optional Overflow Pipe

 Planter Box A
 366.50'
 367.00'
 363.00'
 207 SF
 43 CF
 51 CF

 Planter Box B
 366.00'
 366.50'
 362.50'
 292 SF
 60 CF
 60 CF

 Planter Box C
 367.50'
 368.00'
 364.00'
 448 SF
 92 CF
 61 CF

 Planter Box D
 367.50'
 368.00'
 364.00'
 432 SF
 89 CF
 61 CF

LEGEND — 320 - Existing Contour --- 320 --- Proposed Contour SWM Drainage Divide Pervious Conc. Sidewalk/ Permeable Paver Driveway Rooftop Drywell and Planter Box Micro-

Bioretention Facility

THIS PLAN IS FOR SOIL EROSION, SEDIMENT CONTROL AND SWM ONLY

NOTE: MCDPS APPROVAL DOES NOT NEGATE MONTGOMERY CO. DEPARTMENT OF THE NEED OF A MCDPS ACCESS PERMIT PERMITTING SERVICES APPROVED FOR: Administrative Requirements: Stormwater Management: Sediment Control Technical SEDIMENT CONTROL PERMIT NO. MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM
THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED

If surface elevation is adjusted based upon house grading, storage and underdrain elevation must be adjusted accordingly.

Planter Box Micro-Bioretention Schedule - See Details Sheet 11

Elev.* Invert Elev.* Drainage Area Required

350.00' 350.50' 346.50' 248 SF 51 CF 51 CF

352.50' 353.00' 349.00' 248 SF 51 CF 51 CF

 360.00'
 360.50'
 356.50'
 370 SF
 76 CF
 60 CF

 360.00'
 360.50'
 356.50'
 370 SF
 76 CF
 60 CF

 362.00'
 362.50'
 358.50'
 248 SF
 51 CF
 51 CF

364.00' 364.50' 360.50' 248 SF 51 CF 51 CF

360,00' 360,50' 356,50' 248 SF 51 CF 51 CF

358.00' 358.50' 354.50' 248 SF 51 CF 51 CF 359.00' 359.50' 355.50' 370 SF 76 CF 75 CF

 371.00'
 371.50'
 367.50'
 370 SF
 76 CF
 75 CF

 371.00'
 371.50'
 367.50'
 248 SF
 51 CF
 51 CF

370.00' 370.50' 366.50' 248 SF 51 CF 51 CF

Planter Box B 365.00' 365.50' 361.50' 248 SF 51 CF 51 CF

 Planter Box A
 364.50'
 365.00'
 361.00'
 305 SF
 63 CF
 60 CF

 Planter Box B
 364.50'
 365.00'
 361.00'
 207 SF
 43 CF
 51 CF

 Planter Box C
 367.00'
 367.50'
 363.50'
 464 SF
 96 CF
 61 CF

 Planter Box D
 365.50'
 366.00'
 362.00'
 484 SF
 100 CF
 61 CF

 Planter Box A
 362.50'
 363.00'
 359.00'
 414 SF
 85 CF
 75 CF

 Planter Box B
 364.00'
 364.50'
 360.50'
 484 SF
 100 CF
 61 CF

 Planter Box C
 363.00'
 363.50'
 359.50'
 464 SF
 96 CF
 61 CF

 Planter Box A
 360.50'
 361.00'
 357.00'
 305 SF
 63 CF
 60 CF

 Planter Box B
 359.00'
 359.50'
 355.50'
 414 SF
 85 CF
 75 CF

 Planter Box A
 355.50'
 356.00'
 352.00'
 414 SF

 Planter Box B
 356.50'
 357.00'
 353.00'
 549 SF

 Planter Box C
 357.50'
 358.00'
 354.00'
 484 SF

Planter Box D 356.00' 356.50' 352.50' 464 SF 96 CF

Planter Box C 357.50' 358.00' 354.00' 414 SF 85 CF 51 CF

Planter Box D 358.00' 358.50' 354.50' 305 SF 63 CF 60 CF

 Planter Box C
 359.50'
 360.00'
 356.00'
 414 SF
 85 CF
 75 CF

 Planter Box D
 359.50'
 360.00'
 356.00'
 305 SF
 63 CF
 60 CF

 Planter Box C
 358.00'
 358.50'
 354.50'
 414 SF
 85 CF

 Planter Box D
 358.00'
 358.50'
 354.50'
 305 SF
 63 CF

 Planter Box A
 355.00'
 355.50'
 351.50'
 207 SF
 43 CF

 Planter Box B
 346.50'
 347.00'
 343.00'
 464 SF
 96 CF

 Planter Box C
 345.50'
 346.00'
 342.00'
 484 SF
 100 CF

350.00' 350.50' 346.50' 248 SF 51 CF

Planter Box C

Planter Box A

Surface Storage Underdrain Rooftop ESDv Storage Volume Planter Box Type

Designation

Provided

SOIL EROSION, SEDIMENT CONTROL and SWM PLAN Formerly Alta Vista, Parts of Lots 1 & 2

BETHESDA MEWS

Lots 1-11 & Parcels A & B / Blk A; Lots 1-23 & Parcels A, B & C / Blk B

11-15-13
Professional Certification
t hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the Laws of the State of Maryland License No. 16905, Expiration Date: 04/21/2014

NO. DATE

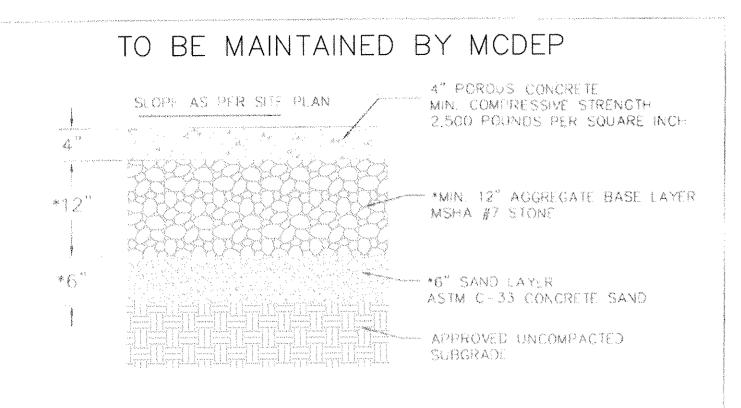
DESCRIPTION

-16-13	
ertification	TA
se documents were me, and that I am a I Engineer under the e of Maryland	9220 Wightman Montgomery Vi 20886-1279

7TH ELECTION	DISTRICT - MONTGOMERY COUNT	ΓY –	MARYLA	ND
MHC	Macris, Hendricks & Glascock, P Engineers Planners Landscape Architects Surveyors	.A.	Proj. Mgr. SEC	Designe KDJ
	Landscape Architects Surveyors		Date	Scale
/ightman Road, Suite 120	Phone 301.670.	0840	11-14-13	As Show
mery Village, Maryland	Fax 301.948.06	93	Project No.	Sheet

www.mhgpa.com

05.287.32 10 of 18



Pervious Concrete Sidewalk - Typical Section

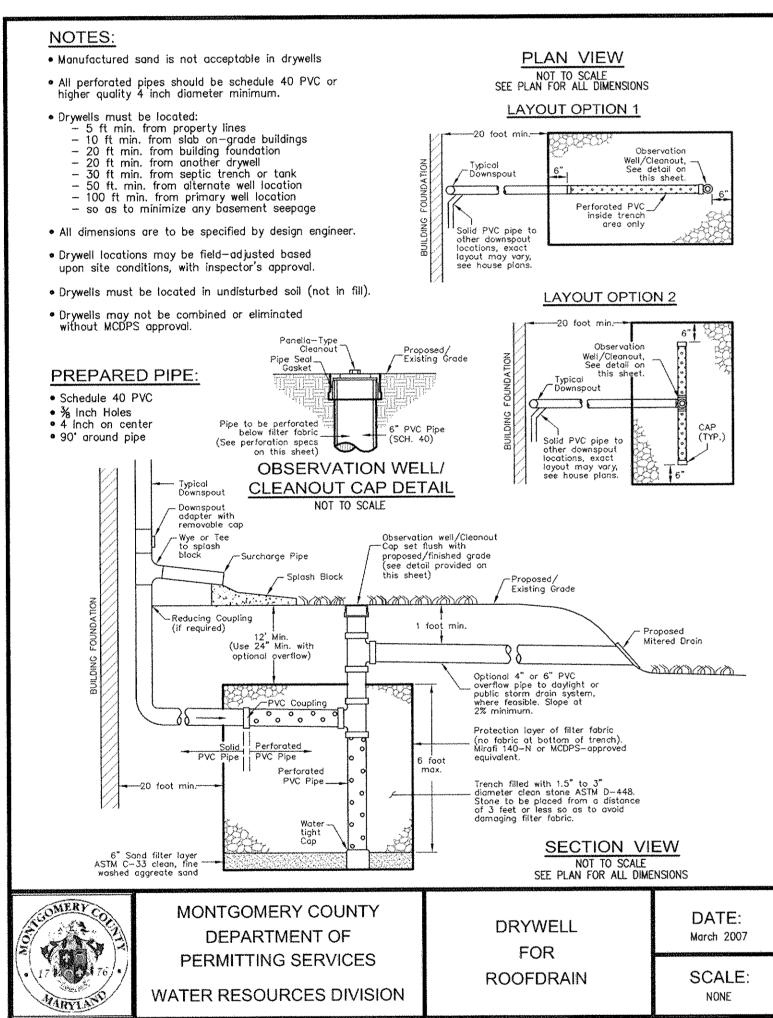
*Extend Aggregate Ana/Gr Sand Layers As Necessary to Meet Approved Uncompacted Subgrade

Pervious concrete mix design and installation shall meet the requirements of the lates: edition of ACI 522, "Specification For Pervious Concrete Povement" and test method C 1888/C 1688 C8

The Pervious concrete contractor is to be a NRMCA certified pervious concrete CADICAMOR

Macris, Hendricks & Gloscock, P.A. makes no guarantee or warranty either assumed or implied as to the suitability of these sections and assumes no liability in providing the sections shown hereon the drowings These sections are placed hereor salely for the convenience of the owner and the contractor

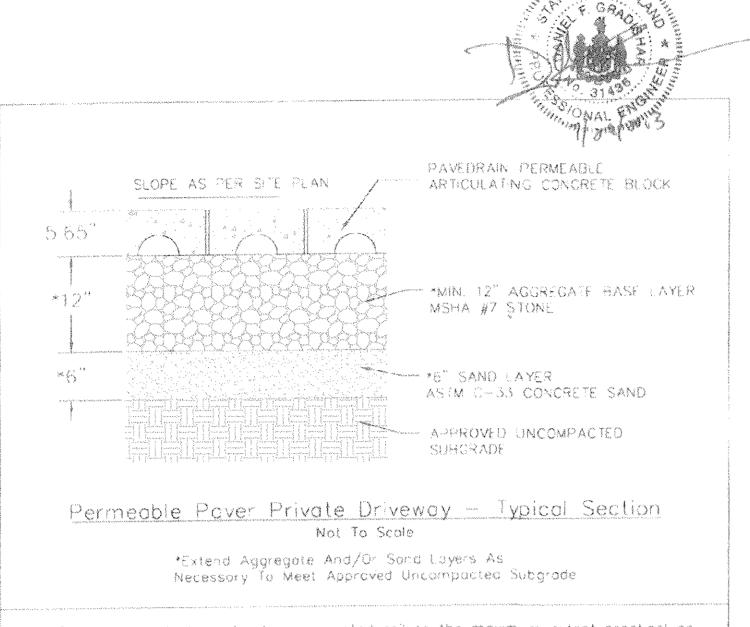




CONSTRUCTION INSPECTION

STAGE	MCDPS INSPECTOR	OWNER/ DEVELOPER
MANDATORY NOTIFICATION: Inspection and approval of each practice is required at these points prior to proceeding with construction. The permittee is required to give the MCDPS Inspector twenty-four (24) hours notice (DPS telephone 311). The DPS inspector may waive an inspection and allow the owner/developer to make the required inspection per a prior scheduled arrangement which has been confirmed with the DPS inspector in writing. Work completed without MCDPS approval may result in the permittee having to remove and reconstruct the unapproved work. The permittee must maintain a "record set" of approved SC/SM plans on-site at all times. Upon Completion of the project the record set of plans, including the signed "Record Set Certification", must be submitted to the MCDPS inspector. Each of the steps listed below must be verified by either the MCDPS Inspector OR the Owner/Developer.	INITIALS/DATE	INITIALS/DATE
1. Excavation for Dry Well conforms to approved plans		
2. Placement of backfill, perforated inlet pipe and observation well confroms to approved plans		
3. Placement of geotextiles and filter media conforms to approved plans		
4. Connecting pipes, including connection to downspout, constructed per the approved plans		
5. Final grading and permanent stabilization conforms to approved plans		
	and the second second	

Call "Miss Utility" at 1—800—257—7777, 48 hours prior to the start of work. The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.



Soil Subgrace should be natural uncompacted soil to the maximum extent practical as designed by the Geotechnical Engineer. Fill soil, where placed for utility trenches tr otherwise, should be comported to not more than 90% of the maximum dry density per ASTM D-698.

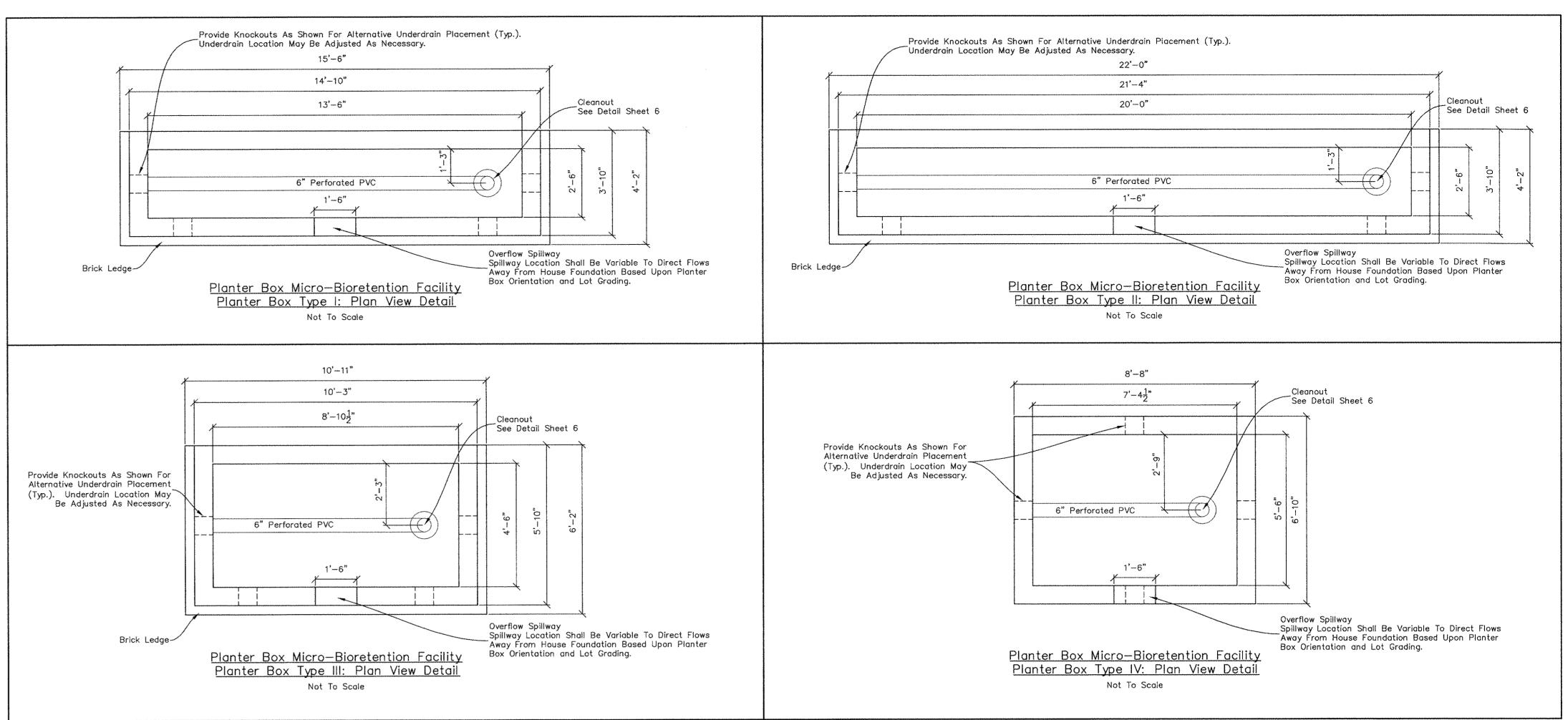
Replenish aggregate joint materials as necessory

installation Notes

Contractor must be certified by the ICPI (Interlocking Contrate Povement Institute).

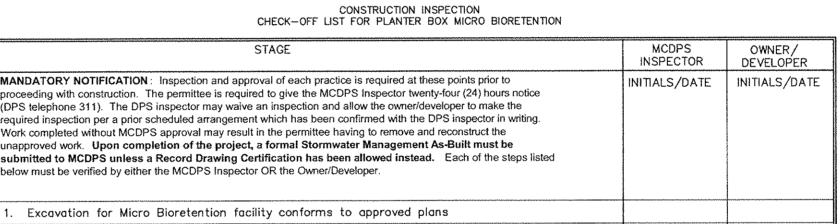
A pover style must be reviewed by the design enomeer and accepted by the Montgomery County Department of Permitting Services prior to delivery to the job

Models, Hencricks & Gloscock, P.A. mickes no guarantee or worrenty either assurance or emptied as to the suitcouty of these sections one assumes no bability in providing the sections shown hereon the crawings. These sections are accedificated hereon selecy for the convenience of the away on the last auto-



See Biofilter, Micro-Bioretention and Bio-Swale Planting Media Specifications and Facility Details, Sheet 6

Note: Shop Drawings For Concrete Planter Boxes Must Be Approved By The Design Engineer and Accepted By The Montgomery Department Of Permitting Services Prior To Delivery To The Job Site.



NO. DATE

DESCRIPTION

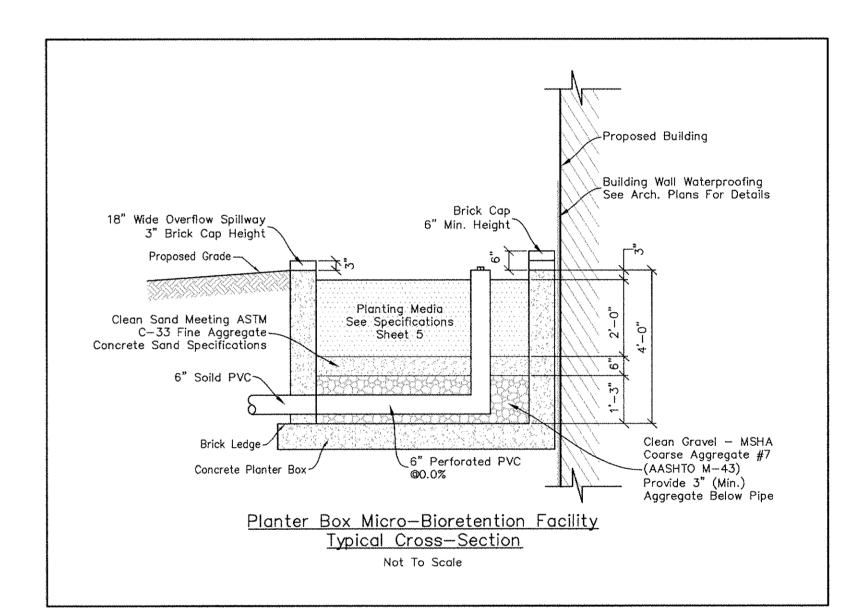
TOTAL NUMBER OF DRY WELLS INSTALLED PER THIS PERMIT: APPROVED 70 CONSTRUCTED

5. Final grading and permanent stabilization conforms to approved plans

. Placement of filter media conforms to approved plans

Placement of stone backfill and underdrain system conforms to approved plans

4. Connecting pipes and/or grading conveyance to the facility constructed per the approved plans



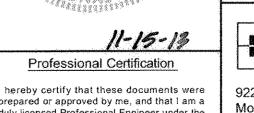
THIS PLAN IS FOR SOIL EROSION, SEDIMENT CONTROL AND SWM ONLY

NOTE: MCDPS APPROVAL DOES NOT NEGATE MONTGOMERY CO. DEPARTMENT OF THE NEED OF A MCDPS ACCESS PERMIT PERMITTING SERVICES APPROVED FOR: Administrative Requirements: Stormwater Management: Sediment Control Technical Requirements: <u>see sh. 1</u> 11-29-2017 47 eviewed 246611 SEDIMENT CONTROL PERMIT NO. Approved Date MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED 231422 S.M. FILE NO. UNLESS THE PERMIT HAS BEEN EXTENDED

SOIL EROSION, SEDIMENT CONTROL and SWM PLAN Formerly Alta Vista, Parts of Lots 1 & 2

BETHESDA MEWS

Lots 1-11 & Parcels A & B / Blk A; Lots 1-23 & Parcels A, B & C / Blk B 7TH ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

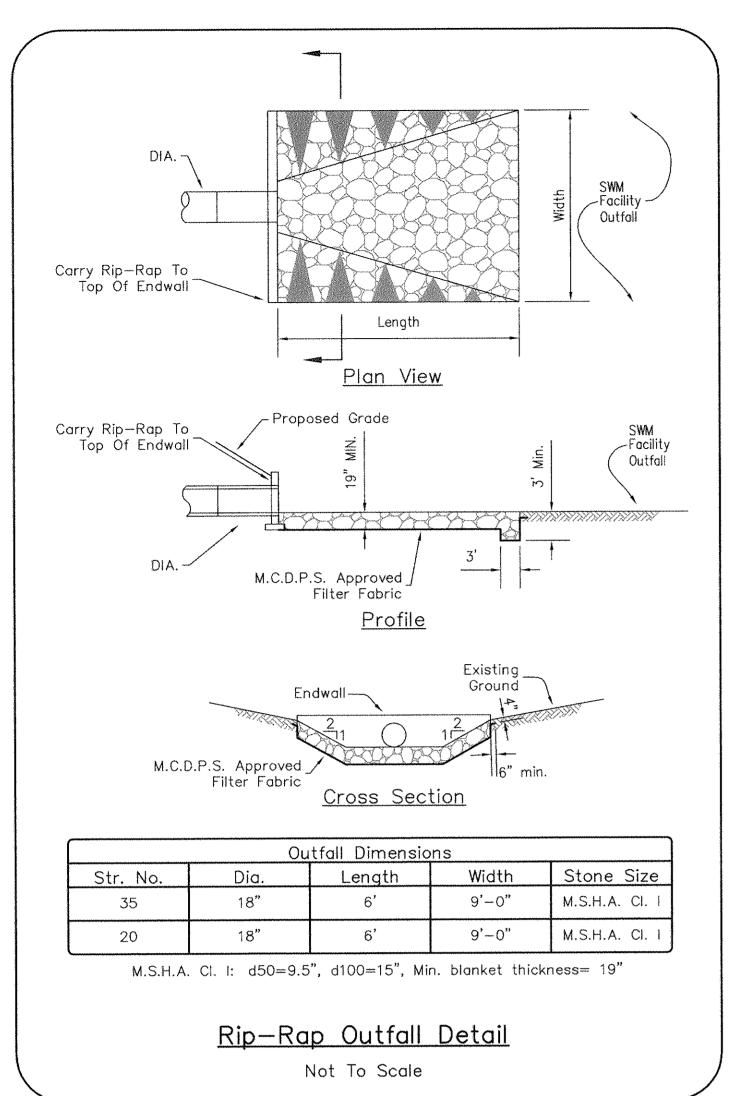


prepared or approved by me, and that I am a duly licensed Professional Engineer under the Laws of the State of Maryland

License No. 16905, Expiration Date: 04/21/2014

Macris, Hendricks & Glascock, P.A. Engineers Planners
Landscape Architects Surveyors 9220 Wightman Road, Suite 120 Montgomery Village, Maryland 20886-1279

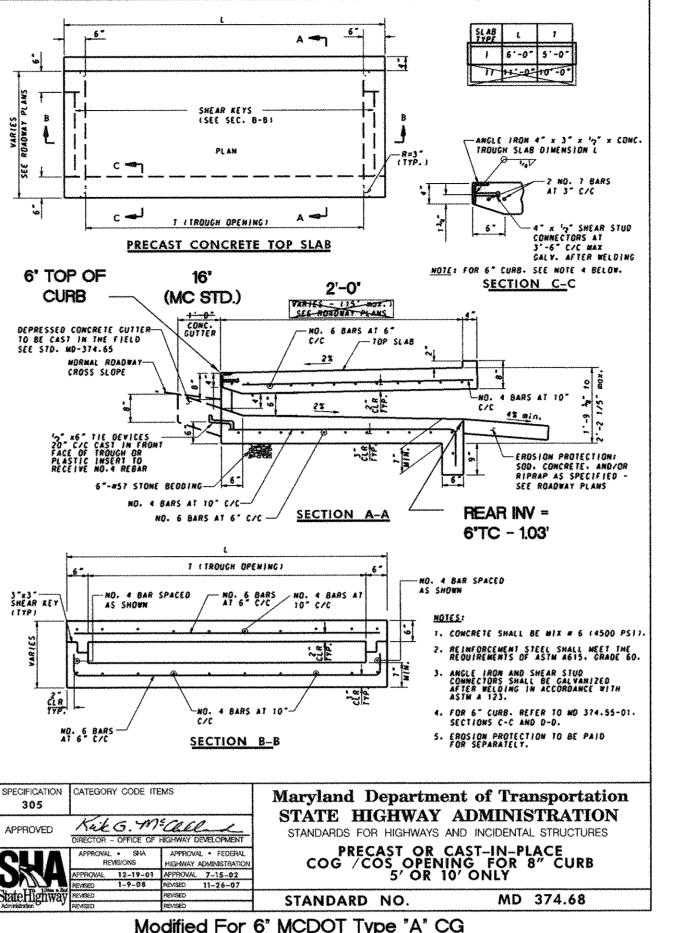
Proj. Mgr. Designer SEC KDJ Date 11-14-13 | As Shown Phone 301.670.0840 Fax 301.948.0693 Project No. Sheet www.mhgpa.com 05.287.32 | 11 of 18



TO BE MAINTAINED BY MCDEP

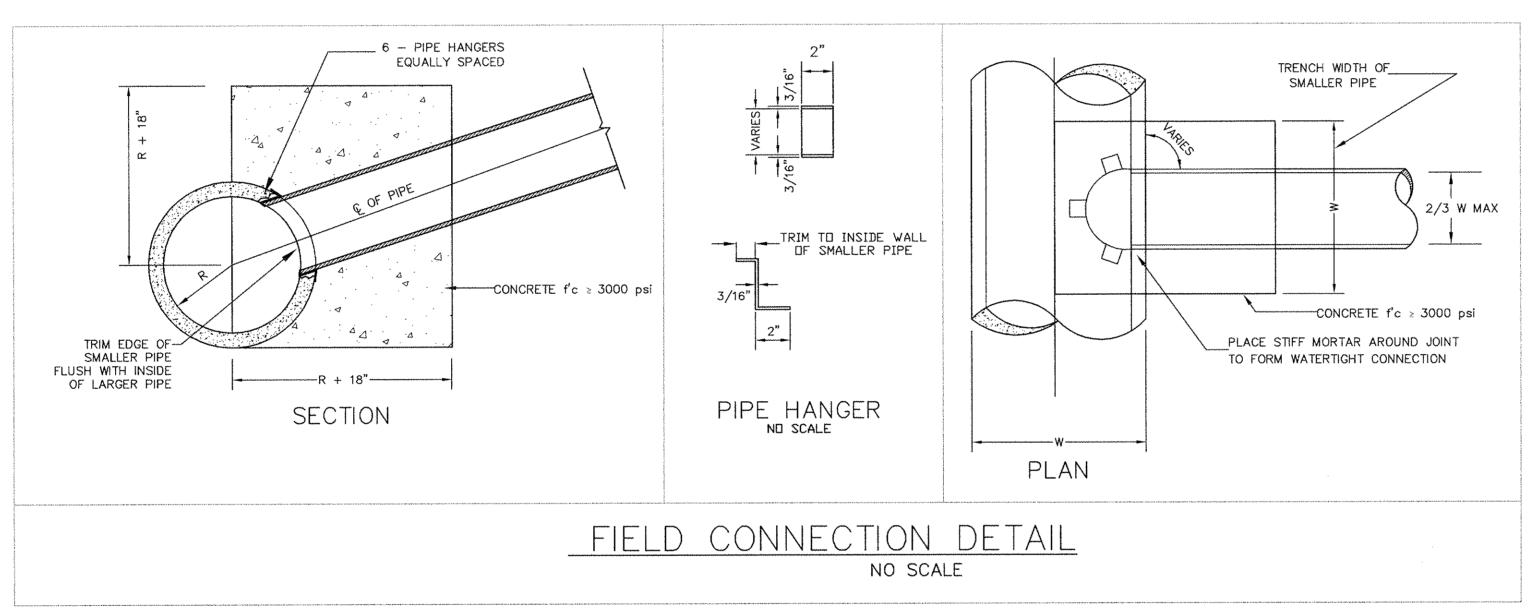
GENERAL NOTES FOR RIP-RAP CONSTRUCTION

- Excavated material for and riprap installation shall be disposed of away from the stream. In open areas the subgrade shall be smooth, firm and free from protruding objects or voids that would affect the proper placement of the riprap or damage the filter fabric.
- 2. Filter fabric shall be carefully and loosely placed on the prepared subgrade and held in place. Adjacent strips shall be overlapped by a minimum of 8 inches. Care shall be taken to avoid damaging the fabric during the placement of the riprap. Damaged filter fabric shall be replaced or repaired. Filter fabric shall be Polyfilter-X or equivalent approved by MCDPS.
- 3. Riprap stone shall be S.H.A. Class I stone, d50 = 9.5°, d100 = 15° or S.H.A. Class II stone, d50 = 16', d100 = 24', as specified.
- 4. All excavation voids along the edges of the rip-rap shall be backfilled. All areas disturbed during placement of rip-rap shall be stabilized according to specification on these plans and the Maryland Standards and Specifications for Soil Erosion and Sediment Control (51.01).
- 5. The side slopes of the rip-rap outfalls and channels shall be topsoiled and seeded during final stabilization. Topsoil is to be applied so as to fill the void spaces between the stones. If required by the MCDPS inspector, the surface of the topsoiled stone shall be stabilized with excelsior matting to hold the topsoil until vegetation is established.
- 6. Contact Miss Utility at 1-800-257-7777 for utility locations at least 48 hours prior to the start of construction.



Modified For 6" MCDOT Type "A" CG with MCDOT "A" Inlet Gutter Depression

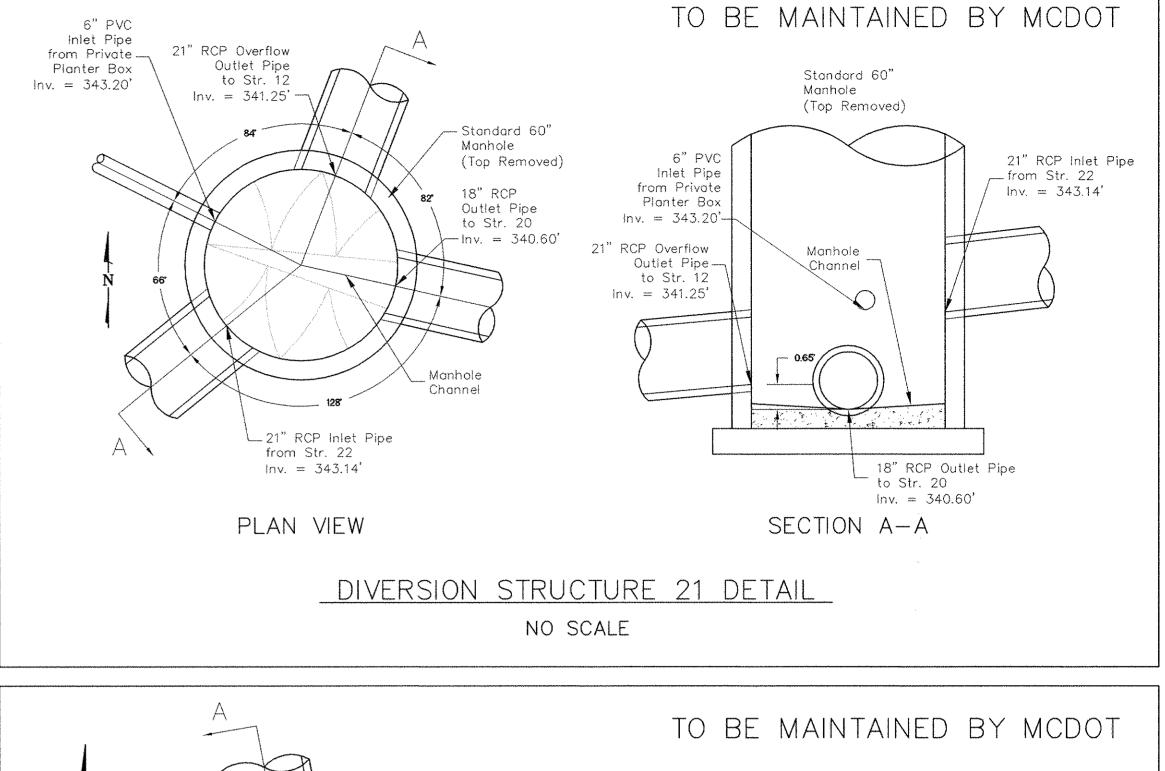
ALL CURB OPENINGS TO BE MAINTAINED BY MCDEP

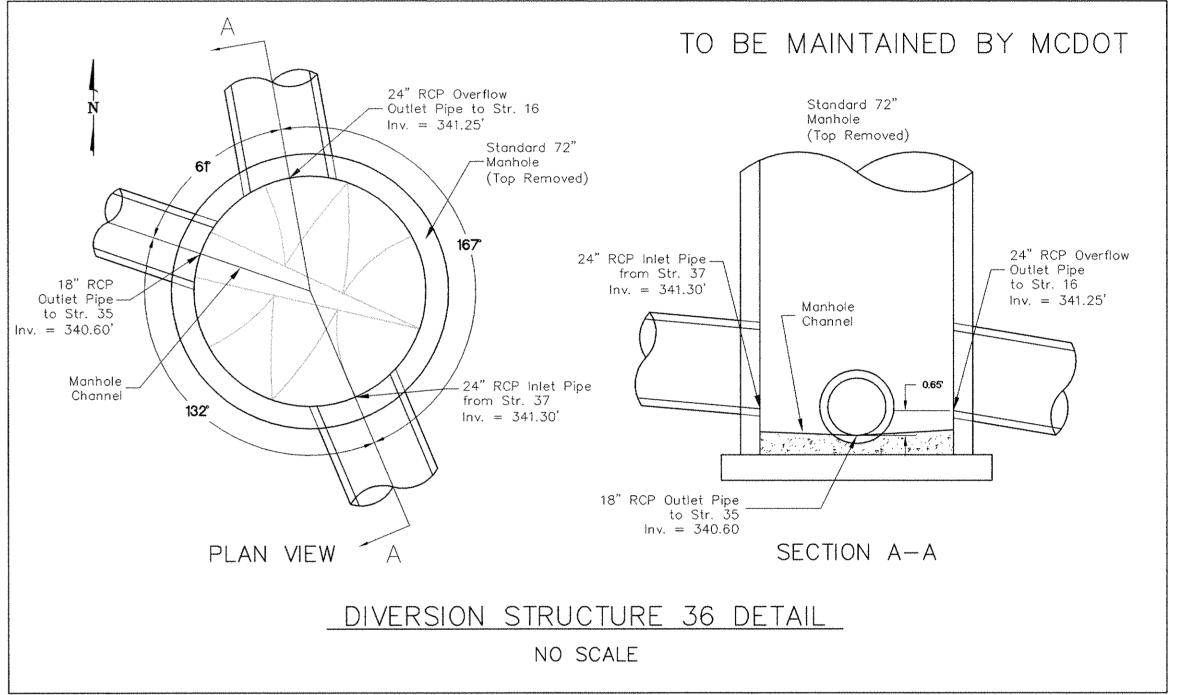


FOR THE CONSTRUCTION OF ALL PVC FIELD CONNECTIONS FROM PLANTER BOXES - REFER TO PLAN AND STORM DRAIN PROFILES ON THE APPROVED STORM DRAIN AND PAVING PLAN

			M(CDEP MAINTENANC	E PUBLIC STRUCTURE SCHEDU	LE	
No.	Type & Standard	Dimensions	E	lev.	Location C.L. Structure	PRECAST STANDARD*	NOTES
20	Type C Endwall, 18" RCP Per MD 354.01	18" Pipe	Pipe Inv	ert = 340.50	Center Face of Endwall at Invert: Sta: 1+88.57, 181.75' Lt	AM: ADS: RC-EW-C	
13	Type A Manhole, Per MC-510.01	48" diameter	Тор	= 343.50	Center of MH: Sta: 1+79.87, 227.59 Lt	AM: MH-48 ADS: RC-48MH	Rotate MH top as shown on plan view.
14	Type A Manhole, Per MC-510.01	60" diameter	Тор	= 343.00	Center of MH: Sta: 2+30.28, 249.47' Lt	AM: MH-60 ADS: RC-60MH	Rotate MH top as shown on plan view.
15	Type J Inlet, per MC-506.02 Open Box	4' x 2.5'	Slots	= 341.25	CL Inlet = 2+32.08, 237.85 Lt	AM: JI-1 ADS: RC-J1	AA2446A
16	Type A Manhole, Per MC-510.01	48" diameter	Тор	= 343.00	Center of MH: Sta: 7+07.99, 170.73' Lt	AM: MH-48 ADS: RC-48MH	Rotate MH top as shown on plan view.
35	Type C Endwall, 18" RCP Per MD 354,01	18" Pipe	Pipe Inv	ert = 340.50	Center Face of Endwall at Invert: Sta: 6+90.55, 151.16' Lt	AM: ADS: RC-EW-C	
70	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 349.49 6" TC Rt = 349.36	Rear Inv Lt = 348.46 Rear Inv Rt = 348.33	Face of Curb Lt = 0+43.99, 10.45' Rt Face of Curb Rt = 0+38.04, 11.18' Rt	, as we see to the contract of	See Detail, This Sheet for Dimensions and Notes
71	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 350.14 6" TC Rt = 350.34	Rear Inv Lt = 349.11 Rear Inv Rt = 349.31	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt		See Detail, This Sheet for Dimensions and Notes
72	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 352.07 6" TC Rt = 352.31	Rear Inv Lt = 351.04 Rear Inv Rt = 351.28	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt		See Detail, This Sheet for Dimensions and Notes
73	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 355.87 6" TC Rt = 355.63	Rear Inv Lt = 354.84 Rear Inv Rt = 354.60	Face of Curb Lt = 0+44.10, 10.00' Rt Face of Curb Rt = 0+38.10, 10.00' Rt		See Detail, This Sheet for Dimensions and Notes
74	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 357.90 6" TC Rt = 358.14	Rear Inv Lt = 356.87 Rear Inv Rt = 357.11	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt	A. W. S.	See Detail, This Sheet for Dimensions and Notes
75	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 360.78 6" TC Rt = 361.01	Rear Inv Lt = 359.75 Rear Inv Rt = 359.98	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt	as-t-in Anni San	See Detail, This Sheet for Dimensions and Notes
76	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 361.72 6" TC Rt = 361.57	Rear Inv Lt = 360.69 Rear Inv Rt = 360.54	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt		See Detail, This Sheet for Dimensions and Notes
77	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 357.88 6" TC Rt = 357.64	Rear Inv Lt = 356.85 Rear Inv Rt = 356.61	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt		See Detail, This Sheet for Dimensions and Notes
78	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 349.49 6" TC Rt = 349.36	Rear Inv Lt = 348.46 Rear Inv Rt = 348.33	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt	an an to Surviva	See Detail, This Sheet for Dimensions and Notes
79	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 349.49 6" TC Rt = 349.36	Rear Inv Lt = 348.46 Rear Inv Rt = 348.33	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt		See Detail, This Sheet for Dimensions and Notes
80	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 349.49 6" TC Rt = 349.36	Rear Inv Lt = 348.46 Rear Inv Rt = 348.33	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt		See Detail, This Sheet for Dimensions and Notes
81	5' Precast COG/COS Opening per MD 374.68	See NOTES	6" TC Lt = 349.49 6" TC Rt = 349.36	Rear Inv Lt = 348.46 Rear Inv Rt = 348.33	Face of Curb Lt = 0+66.51, 10.00' Lt Face of Curb Rt = 0+72.51, 10.00' Lt		See Detail, This Sheet for Dimensions and Notes

Equal Precast Structures by other manufacturers may be used after shop drawings have been approved by MCDPS. REFER TO THE APPROVED STORM DRAIN AND PAVING PLAN FOR ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY





NOTE: Contractor must verify the dimensions between the Diversion pipe and the Overflow pipe prior to backfill of the Structure and Notify the Design Engineer immediately of any discrepancy with the dimensions on the approved plans. Structures built incorrectly will require removal and replacement.

MCDEP MAINTAINED PIPE SCHEDULE				
FROM	то	SIZE	TYPE	LENGTH
12	13	24"	Reinforced Concrete, Class IV	48'
13	14	24"	Reinforced Concrete, Class IV	52'
14	16	24"	Reinforced Concrete, Class IV	73'
16	36	24"	Reinforced Concrete, Class IV	43'
14	15	18"	Reinforced Concrete, Class IV	10'
20	21	18"	Reinforced Concrete, Class IV	29'
35	36	18"	Reinforced Concrete, Class IV	20'
			Total Length:	275*

NO PVC INCLUDED FOR PLANTER BOXES, BIO-SWALES, ETC. REFER TO PLAN VIEW.

DESCRIPTION

THIS PLAN IS FOR SOIL FROSION SEDIMENT CONTROL AND SWM ONLY

MONTGOMERY CO. E PERMITTING SERVICES	DEPARTMENT OF	NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT
Stormwater Management: Reviewed Date Approved Date 231422 SM. FILE NO.	Sediment Control Technical Requirements: 11-29-2013 Reviewed Date Approved Date	Administrative Requirements: 17-29-2017 Reviewed Date 246611 SEDIMENT CONTROL PERMIT NO. MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS. THE PERMIT HAS BEEN EXTENDED

SOIL EROSION, SEDIMENT CONTROL and SWM PLAN Formerly Alta Vista, Parts of Lots 1 & 2

BETHESDA MEWS

Lots 1-11 & Parcels A & B / Blk A; Lots 1-23 & Parcels A, B & C / Blk B 7TH ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

www.mhgpa.com

₩ MHG
9220 Wightman Road, Suite 120 Montgomery Village, Maryland 20886-1279

MHG	Macris, Hendricks & Glascock, P.A. Engineers Planners Landscape Architects Surveyors
	Landscape Architects Surveyors
0 Wightman Road, Suite 120	Phone 301 670 08

11-14-13 | As Shown Fax 301.948.0693 Project No. 05.287.32 | 12 of 18

Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work. The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for

compliance with requirements of Chapter 36A of the Montgomery County Code.

NO. DATE

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the Laws of the State of Maryland License No. 16905, Expiration Date: 04/21/2014

11-20-13

Professional Certification

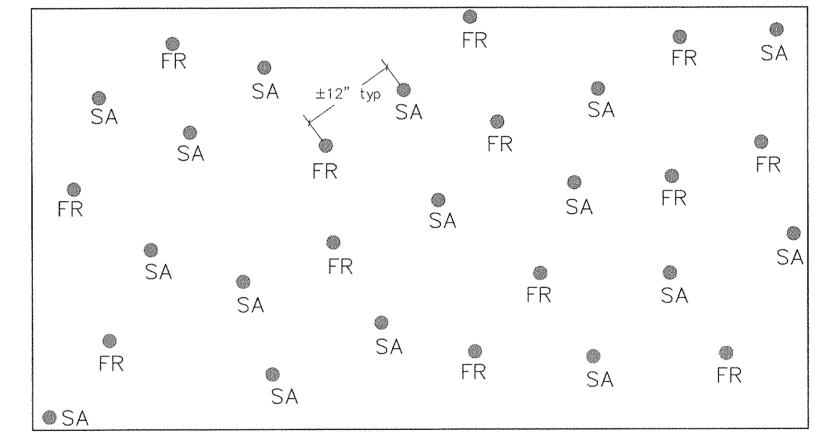


KEY	QTY	BOTANICAL NAME	COMMON NAME	HYDRO-LOGY	INDICATOR STATUS	ROOT / INSTALL SIZE	SPACING
HERB	ACEOU	 		and a second	uskaleikun ariamis eloosista an eloosis (ariam el mine o anadeus muselin)	——————————————————————————————————————	alica discussioned de la
АТ	485	Asclepias tuberosa	Butterflyweed	Upland	UPL	1 quart Pot	18" o.c.
BF	700	Iris versicolor	Blue Flag	Regular inundation 0-6"	OBL	2" Plug	15" o.c.
CG	360	Chelone glabra	White Turtlehead	Regular inundation	OBL	2" Plug	24" o.c.
cs	255	Carex stricta	Tussock Sedge	Regular inundation 0-3"	OBL	2" Plug	30 " o.c.
FR*	635	Festuca rubra	Red Fescue	Irregular and Upland	FACU / FACW-	2" Plug	12" o.c.
LS	190	Lobelia siphilitica	Great Blue Lobelia	Irregular inundation	FACW+	1 guart Pot	24° o.c.
PV	310	Panícum virgatum	Switchgrass	MHW to Upland	FAC	2" Plug	24" o.c.
SA*	980	Sisyrinchium angustifolium	Blue-eye Grass	Irregular inundation and upland	FACW-	2" Plug	12" o.c.
SS*	345	Solidago sempervirens	Goldenrod	Seasonal inundation	FACW	2" Plug	12" o.c.
SHRUI	BS				ng y gori, ya qimaga ta imagas kuriyeti ayeti na asti yorus wa imasi a cataosico v	0-000 2 0-00-00 0 0 0 0 0 0 0 0 0 0 0 0	TOOL SECURITIES STORT OF THE SECURITIES AND SECURIT
CA	15	Clethra alnifolia	Sweet Pepperbush	Seasonal to Regular inundation	FAC+	#3 Cont./ 24-30" ht.	6' o.c.
IG	16	llex glabra	Inkberry	Seasonal inundation	FACW-	#3 Cont./ 24-30" ht.	6° o.c.
IV	12	Itea virginica	Virginia Sweetspire	Seasonal to Regular inundation	OBL	#2 Cont./ 36-42" ht.	6° o.c.
IW	11	llex verticillata	Winterberry	Seasonal inundation	FACW+	#3 Cont./ 36-42" ht.	6' o.c.
MP	30	Morella pensylvanica	Bayberry	irregular in undation	FAC	#3 Cont./ 36-42" ht.	6' o.c.
RP	12	Rosa palustris	Swamp Rose	Regular inundation 0 – 3"	OBL'	#3 Cont./ 18-24" ht.	6' o.c.
VC	6	Vaccinium corymbosum	Highbush Blueberry	Seasonal inundation	FACW-	#3 Cont./ 18-24" ht	6' o.c.
TREES	<u> </u>					<u> </u>	
AC	4	Amelanchier canadensis	Serviceberry	Seasonal inundation	FAC	B&B/ 8-10'	
AR	1	Acer rubrum 'October Glory'	Octobery Glory Red Maple	Seasonal inundation	FAC	B&B/ 2-2½" Cal	may by an of any hyperselect, relay as the province being the black districts had a find districts on an execution of the second
BN	2	Betula nigra	River Birch	Regular inundation	FAC	B&B/ 2-2½" Cal	A 18
cv	2	Crataegus viridis	Green Hawthorn	Regular inundation	FAC FACW	B&B/ 2-2½" Cal	MANAGARANA IN SANSANI PRIMANI I PRANCESCO POPPO A SECURITO PA
10	3	llex opaca	American Holly	Irregular to Seasonal inundation	FAC	B&B/ 8-10' Ht.	
MV	5	Magnolia virginiana	Sweetbay Magnolia	Regular to Seasonal inundation	FACW+	B&B/ 5-6' ht.	
NS	5	Nyssa sylvatica	Tupelo	Seasonal inundation	FAC	B&B/ 2-2½" Cal	
QB	1	Quercus bicolor	Swamp White Oak	Regular to Seasonal inundation	FACW+	B&B/ 2-21/2" Cal	:
SG	2	Liquidambar styraciflua	Sweetgum	Regular inundation	FAC	B&B/ 2-2½" Cal	
TD	3	Taxodium distichum	Bald Cypress	Regular to Permanent inundation	OBL	B&B/ 2-2½" Cal	***************************************
VL	1	Viburnum lentago	Nannyberry	Seasonal inundation	FAC	#2 Cont. / 3-4' Ht.	

• Sisyrinchium angustifolium is to be planted at random locations in the same bed with either Festuca rubra or Solidago sempervirens. Do not plant in large groupings of the same species. Each plug is to be installed approximately 12" from other plugs. See Sample Planting Pattern, this sheet.

Plant species are selected and located based on their tolerance of inundation. The planting plan must be carefully followed to ensure good plant survival and acceptance of landscaping upon completion of the project.

Failure to install the specified plants in the specified locations will result in the rejection of the entire facility plantings, and the contractor will be required to reinstall the plantings as shown on the plans at their own expense. Substitutions are not allowed without prior approval of the landscape architect.



SAMPLE PLANTING PATTERN FOR MIXED HERBACEOUS BEDS

Professional Certification

BY

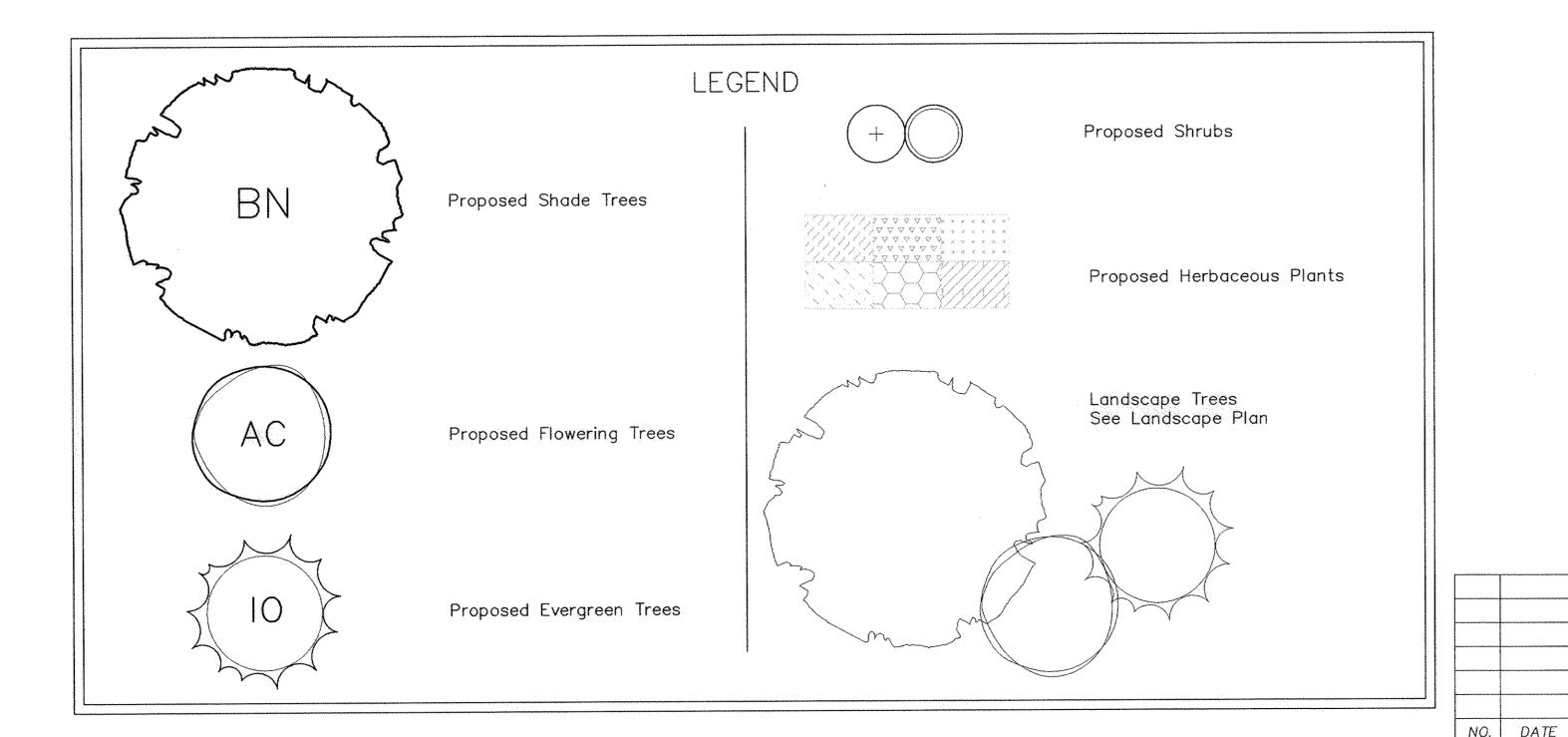
DESCRIPTION

		GRAPH	IC SCALE	
10	O CONTRACTOR OF THE CONTRACTOR	5 10	20	40
			FEET) = 10 ft.	

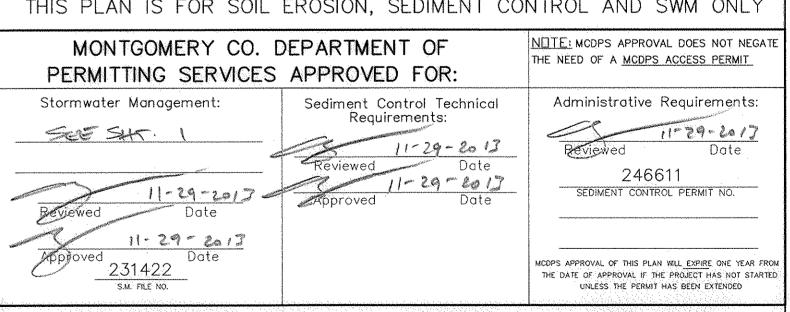
SWM Seed Mix 1,825 S.F. Total Coverage

7,020 011 .		
Species	Common Name	Rate
PERMANENT HERBACEOUS COVER		
Tall Fescue (See Note 1)	Lolium arundinaceum	40 lbs / ac.
Perennial Ryegrass (See Note 2)	Lolium perenne	25 lbs / ac.
White Clover (Common)	Trifolium repens	5 lbs / ac.

- 1. Turf—type cultivars of Tall Fescue shall be selected based on recommendations of the University of Maryland Cooperative Extension Service.
- 2. Recommended cultivars: Blazer (II), Pennfine



THIS PLAN IS FOR SOIL EROSION, SEDIMENT CONTROL AND SWM ONLY



SOIL EROSION, SEDIMENT CONTROL and SWM PLAN Formerly Alta Vista, Parts of Lots 1 & 2

BETHESDA MEWS

Lots 1-11 & Parcels A & B / Blk A; Lots 1-23 & Parcels A, B & C / Blk B 7TH ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

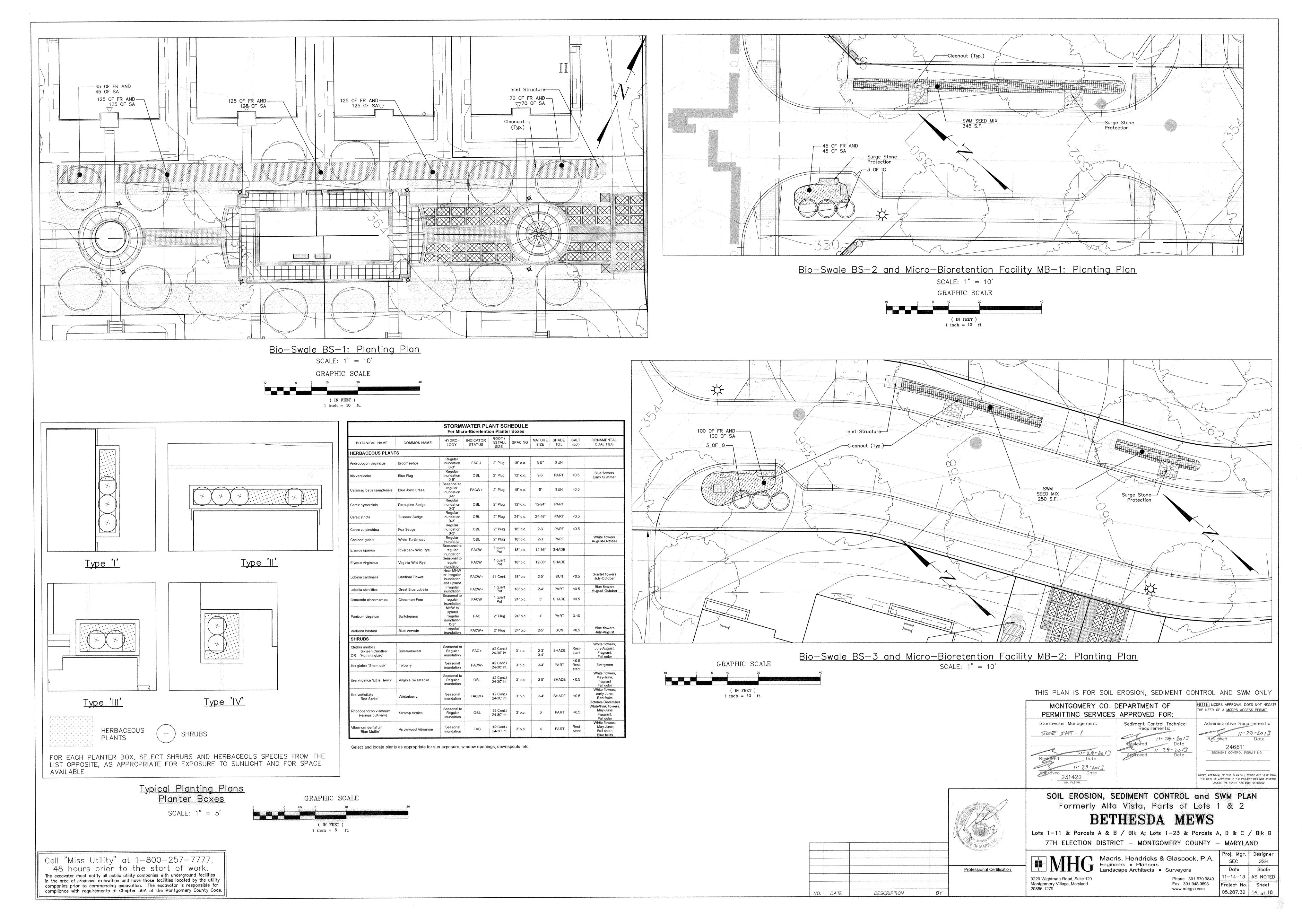
# MHG	Macris, Hendricks & Engineers Planners Landscape Architects	·
9220 Wightman Road, Suite 120 Montgomery Village, Maryland 20886-1279		Phone 30 Fax 301.1 www.mhgr

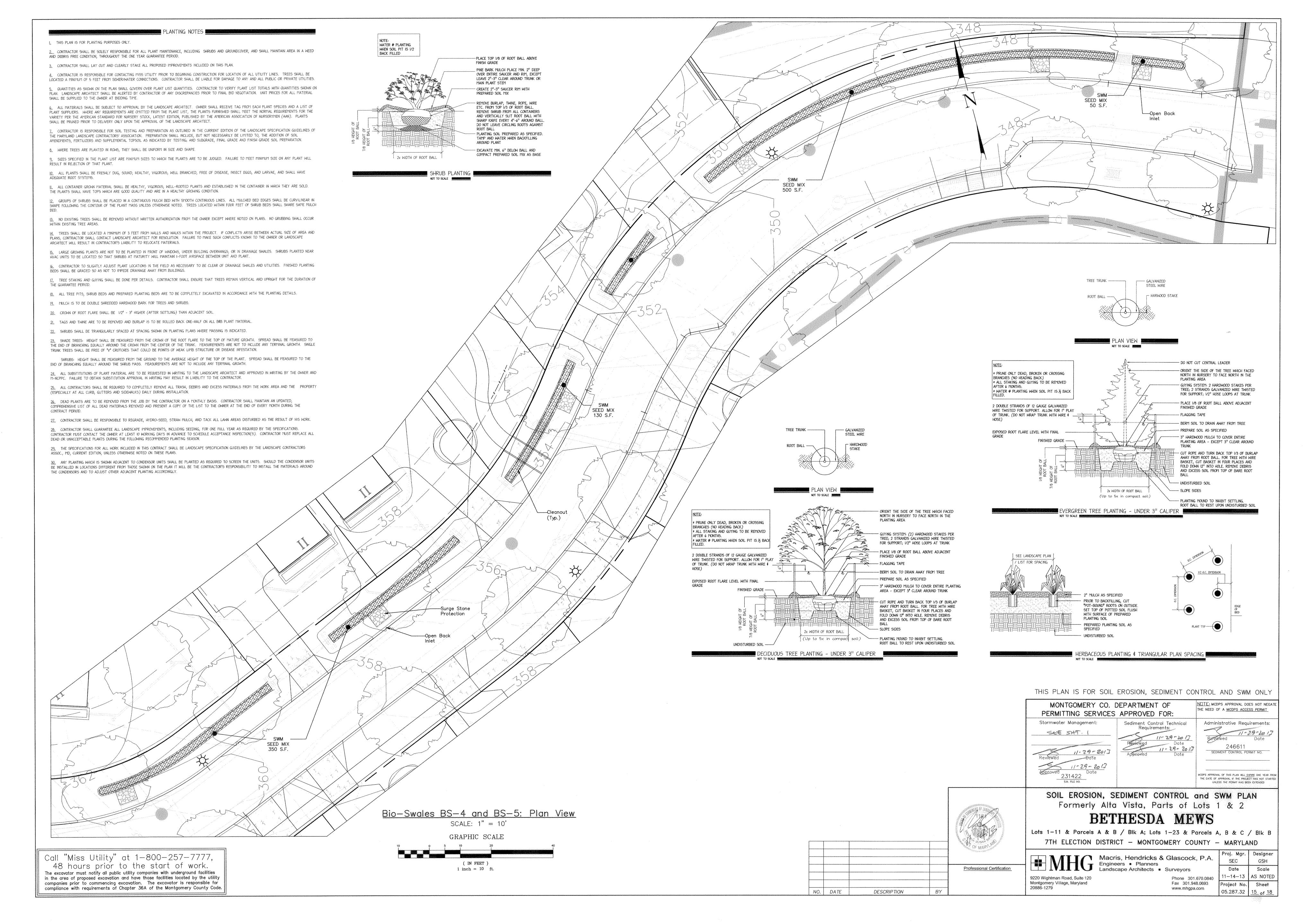
SEC Date Scale 1-14-13 301.670.0840 01.948.0693 Project No. Sheet hgpa.com 05.287.32 13 of 18

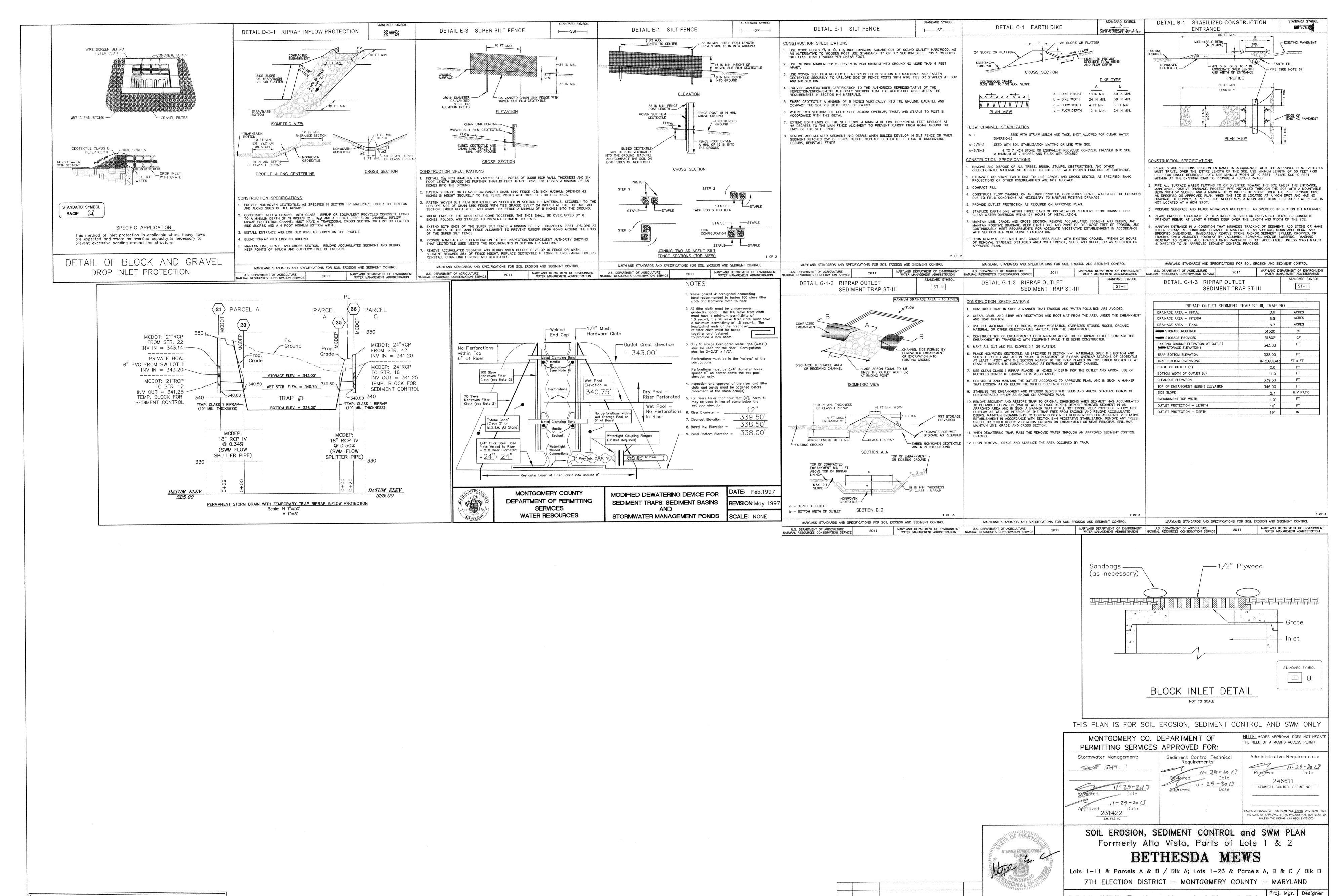
Call "Miss Utility" at 1-800-257-7777,

48 hours prior to the start of work.

The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.







Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work. The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.

Professional Certification hereby certify that these documents were prepared or approved by me, and that I am a Montgomery Village, Maryland duly licensed Professional Engineer under the 20886-1279

License No. 16905, Expiration Date: 04/21/2014

NO. DATE

DESCRIPTION

Engineers Planners
Landscape Architects Surveyors

Macris, Hendricks & Glascock, P.A. SEC LHO Date Scale NONE 1-14-13 Phone 301.670.0840 Fax 301.948.0693 Project No. | Sheet www.mhgpa.com 05.287.32 16 of 18

- The permittee shall notify the Department of Permitting Services (DPS) forty-eight (48) hours before commencing any land disturbing activity and, unless waived by the Department, shall be required to hold a pre-construction meeting between them or their representative, their engineer and an authorized representative of the Department.
- . The permittee must obtain inspection and approval by DPS at the following
- A. At the required pre-construction meeting. B. Following installation of sediment control measures and prior to any other land disturbing activity. C. During the installation of a sediment basin or stormwater management structure at the required inspection points (see Inspection Checklist on plan). Notification prior to commencing construction is mandatory. D. Prior to removal or modification of any sediment control structure(s).
- . Prior to final acceptance. 3. The permittee shall construct all erosion and sediment control measures per the approved plan and construction sequence, shall have them inspected and approved by the Department prior to beginning any other land disturbances,
- shall ensure that all runoff from disturbed areas is directed to the sediment control devices, and shall not remove any erosion or sediment control measure without prior permission from the Department.
- . The permittee shall protect all points of construction ingress and egress to prevent the deposition of materials onto traversed public thoroughfare(s). All materials deposited onto public thoroughfare(s) shall be removed immediately.
- . The permittee shall inspect periodically and maintain continuously in effective operating condition, all erosion and sediment control measures until such times as they are removed with prior permission from the Department. The permittee is responsible for immediately repairing or replacing any sediment control measures which have been damaged or removed by the permittee or any other person.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be completed within:
- a. Three (3) calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3
- horizontal to 1 vertical (3:1); and b. Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.
- All areas disturbed outside of the perimeter sediment control system must be minimized and stabilized immediately. Maintenance must be performed as necessary to ensure continued stabilization.
- The permittee shall apply sod, seed, and anchored straw mulch, or other approved stabilization measures to all disturbed areas within seven (7) calendar days after stripping and grading activities have ceased on that area. Maintenance shall be performed as necessary to ensure continued stabilization. Active construction areas, such as borrow or stockpile areas, roadway improvements, and areas within fifty (50) feet of a building under construction may be exempt from this requirement, provided that erosion and sediment control measures are installed and maintained to protect those
- 8. Prior to removal of sediment control measures, the permittee shall stabilize all contributory disturbed areas with required soil amendments and topsoil, using sod or an approved permanent seed mixture and an approved anchored mulch. Wood fiber mulch may only be used in seeding season when the slope does not exceed 10% and grading has been done to promote sheet flow drainage. Areas brought to finished grade during the seeding season shall be permanently stabilized within seven (7) calendar days of establishment. When property is brought to finished grade during the months of November through February, and permanent stabilization is found to be impractical, an approved temporary seed and straw anchored mulch shall be applied to disturbed areas. The final permanent stabilization of such property shall be completed prior to the following April 15.
- The site permit, work, materials, approved SC/SM plans, and test reports shall be available at the site for inspection by duly authorized officials of Montgomery County.
- O. Surface drainage flows over unstabilized cut and fill slopes shall be controlled by either preventing drainage flows from traversing the slopes or by installing mechanical devices to lower the water down slope without causing erosion. Dikes shall be installed and maintained at the top of cut or fill slopes until the slope and drainage area to it are fully stabilized, at which time they must be removed and final grading done to promote sheet flow drainage. Mechanical devices must be provided at points of concentrated flow where erosion is likely to occur.
- Permanent swales or other points of concentrated water flow shall be stabilized within 3 calendar days of establishment with sod or seed with an

approved erosion control matting or by other approved stabilization measures.

- 2. Sediment control devices shall be removed, with permission of the Department, within thirty (30) calendar days following establishment of permanent stabilization in all contributory drainage areas. Stormwater management structures used temporarily for sediment control shall be converted to the permanent configuration within this time period as well.
- 3. No permanent cut or fill slope with a gradient steeper than 3:1 will be permitted in lawn maintenance areas or on residential lots. A slope gradient of up to 2:1 will be permitted in non-maintenance areas provided that those areas are indicated on the erosion and sediment control plan with a low-maintenance ground cover specified for permanent stabilization. Slope gradient steeper than 2:1 will not be permitted with vegetative stabilization.
- 4. The permittee shall install a splashblock at the bottom of each downspout unless the downspout is connected by a drain line to an acceptable outlet.
- 15. For finished grading, the permittee shall provide adequate gradients so as to prevent water from standing on the surface of lawns more than twenty-four (24) hours after the end of a rainfall, except in designated drainage courses and swale flow areas, which may drain as long as forty-eight (48) hours after the end of a rainfall.
- 16. Sediment traps or basins are not permitted within 20 feet of a building which is existing or under construction. No building may be constructed within 20 feet of a sediment trap or basin.
- 17. All inlets in non—sump areas shall have asphalt berms installed at the time of base paving establishment.
- 18. The sediment control inspector has the option of requiring sediment control measures, as deemed necessary.
- 19. All trap elevations are relative to the outlet elevation, which must be on existing undisturbed ground. 20. Vegetative stabilization shall be performed in accordance with the Standards
- and Specifications for Soil Erosion and Sediment Control.
- 21. Sediment trap(s)/basin(s) shall be cleaned out and restored to the original dimensions when sediment has accumulated to the point of one-half (1/2)the wet storage depth of the trap/basin (1/4 the wet storage depth for ST-III) or when required by the sediment control inspector.
- 22. Sediment removed from traps/basins shall be placed and stabilized in approved areas, but not within a floodplain.
- 23. All sediment basins and traps must be surrounded with a welded wire safety fence. The fence must be at least 42 inches high, have posts spaced no farther apart than 8 feet, have mesh openings no greater than two inches in width and four inches in height, with a minimum of 14 gauge wire. Safety fence must be maintained in good condition at all times.
- 24. No excavation in the areas of existing utilities is permitted unless their location has been determined. Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work.
- 25. Off-site spoil or borrow areas must have prior approval by DPS.
- 26. Sediment trap/basin dewatering for cleanout or repair may only be done with the DPS inspector's permission. The inspector must approve the dewatering method for each application. The following methods may be considered:
- A. Pump discharge may be directed to another on—site sediment trap or basin, provided it is of sufficient volume and the pump intake is floated to prevent agitation or suction of deposited sediments; or
- B. the pump intake may utilize a Removable Pumping Station and must discharge into an undisturbed area through a non-erosive outlet; or
- C. the pump intake may be floated and discharge into a Dirt Bag (12 oz. non-woven fabric), or approved equivalent, located in an undisturbed buffer area.
- Remember: Dewatering operation and method <u>must</u> have prior approval
- 27. The permittee must notify the Department of all utility construction activities within the permitted limits of disturbance prior to the commencement of
- 28. Topsoil must be applied to all pervious areas within the limits of disturbance prior to permanent stabilization in accordance with MDE "Standards and Specifications for Soil Preparation, Topsoiling, and Soil Amendments."

Call "Miss Utility" at 1-800-257-7777,

48 hours prior to the start of work.

The excavator must notify all public utility companies with underground facilities

in the area of proposed excavation and have those facilities located by the utility

companies prior to commencing excavation. The excavator is responsible for

compliance with requirements of Chapter 36A of the Montgomery County Code.



DEPARTMENT OF PERMITTING SERVICES

September 13, 2012

Diane R. Schwartz Jones

Mr. Kenneth D. Jones Macris, Hendricks, and Glascock, P.A.

9220 Wightman Road, Suite 120 Montgomery Village, MD 20886-1279

Re: Stormwater Management CONCEPT Request for Revision to American College of Cardiology-Alta Vista Preliminary Plan #: 120070750 SM File #: 231422 Tract Size/Zone: 9.87 Ac./R-60 Total Concept Area: 9.87 Ac. Lots/Block: p/o 1 & p/o 2

Watershed: Lower Rock Creek

Dear Mr. Jones:

Isiah Leggett

County Executive

Based on a review by the Department of Permitting Services Review Staff, the stormwater management concept for the above mentioned site is acceptable. The stormwater management concept proposes to meet required stormwater management goals via ESD to the MEP. Permeable pavement, dry wells, micro-bioretention, bio-swales and planter boxes are proposed. The remaining volume is treated via a large, structural biofilter which will be designed in accordance with Chapter 3 of the Maryland Stormwater Design Manual.

The following conditions will need to be addressed during the detailed sediment control/stormwater management plan stage:

- 1. Prior to permanent vegetative stabilization, all disturbed areas must be topsoiled per the latest Montgomery County Standards and Specifications for Topsoiling.
- 2. A detailed review of the stormwater management computations will occur at the time of detailed plan review.
- 3. An engineered sediment control plan must be submitted for this development.
- 4. All filtration media for manufactured best management practices, whether for new development or redevelopment, must consist of MDE approved material.
- 5. Landscaping shown on the approved Landscape Plan as part of the approved Site Plan are for illustrative purpose only and may be changed at the time of detailed plan review of the Sediment Control/Storm Water Management plans by the Mont. Co. Department of Permitting Services, Water Resources Section.
- 6. The easement on the structural biofilter is to exclude the central open space. This will be utilized as a storm water management educational activities area.
- 7. Use the latest MCDPS standards and specifications to design the stormwater management structures.

This list may not be all-inclusive and may change based on available information at the time. Payment of a stormwater management contribution in accordance with Section 2 of the

This letter must appear on the sediment control/stormwater management plan at its initial submittal. The concept approval is based on all stormwater management structures being located outside of the Public Utility Easement, the Public Improvement Easement, and the Public Right of Way unless specifically approved on the concept plan. Any divergence from the information provided to this office; or additional information received during the development process; or a change in an applicable Executive Regulation may constitute grounds to rescind or amend any approval actions taken, and to reevaluate the site for additional or amended stormwater management requirements. If there are subsequent additions or modifications to the development, a separate concept request shall be required.

If you have any questions regarding these actions, please feel free to contact David Kuykendall at

Water Resources Section Division of Land Development Services

RRB: tla CN231422 American College of Cardiology-Alta Vista Revised.DWK

Stormwater Management Regulation 4-90 is not required.

cc: C. Conlon SM File # 231422

STRUCTURAL Acres: WAIVED Acres:

NPDES GENERAL PERMIT "CRITICAL POINTS" REQUIREMENT

a. Utilization of environmental site design.

Environmental site design is being utilized for stormwater management per the Stormwater Management Act of 2007.

- b. Maintenance of limits of disturbance to protect natural areas. Super silt fence or silt fence will be installed at the limits of disturbance for areas that are adjacent to the forest. Tree protection fence will be installed adjacent to any off-site treed areas.
- c. Control of construction equipment and vehicles. All vehicles must enter through a stabilized construction entrance. Contractor must comply with the 'Standard Erosion and Sediment Control Notes".
- d. Evaluation and appropriate limitation of site clearing. This site is being developed based on guidelines and regulations imposed by the State of Maryland, Maryland National Capital Park and Planning Commission, Montgomery County Government and various agencies. The site clearing limits are a result of these
- e. Evaluation and designation of site area for phasing or sequencing. An essential component of this project is the demolition of the existing facilities. All of the demolition must be performed at the same time, thus making it impractical to phase the project.
- f. Identification of soils at high risk for erosion and advanced stabilization techniques to be used.

The soils are at high risk for erosion have been identified on the "Highly Erodible Soils and Steep Slopes Exhibit." Highly erodible soils include those soils with a slope greater than 15% and those with a slope greater than 5% and a factor k greater than 0.35. A note has been added to the plan to stabilize the highly erodible soils within five days unless those areas are being actively graded.

g. Identification of steep slopes and designation of limitations on

clearing them.

- The steep slopes within the clearing limits have been identified on The "Highly Erodible Soils and Steep Slopes Exhibit." A note has been added to the plan to stabilize the steep slopes within five days unless those areas are being actively graded.
- h. Evaluation and designation of stabilization requirements and time

There are no requirements beyond the regulations outlined in the 2011 Maryland Standards and Specifications for Soil Erosion & Sediment Control, as used on this site.

i. Protection measures for discharges to the Chesapeake Bay, impaired waters or waters within an established Total Maximum Daily Load (TMDL).

All runoff and discharges are controlled by the measures specified in the 2011 Maryland Standards & Specifications for Soil Erosion & Sediment Control and/or as enhanced by the standards specified by Montgomery County.

SEQUENCE OF CONSTRUCTION

- 1. Prior to clearing trees, installing sediment control measures or grading, a pre-construction meeting must be conducted on-site with the MCDPS Sediment Control Inspector 240-777-0311 (48 hours notice) and the M-NCPPC, Regulatory Coordination and Development Application Management Division Inspector 301-495-4550 (48 hours notice), the owner's representative and the site engineer. Also leave a message for the Site Plan Enforcement Manager, 240-777-6321, notifying him of the meeting (48 hours prior to the meeting).
- Note: An ISA Certified Arborist or MD licensed tree expert may be required to be in attendance. Applicant should confirm with M-NCPPC.
- 2. The limits of disturbance must be field marked prior to the clearing of trees, installation of sediment control measures, construction or other land disturbing activities.
- 3. The permittee must obtain written approval from the M-NCPPC Inspector, certifying that the limits of disturbance and tree protection measures are correctly marked and installed prior to commencing any clearing.
- 4. Clear and grade for installation of the sediment control devices.
- 5. Install the stabilized construction entrances, the tree protection fence, the silt fence and the super silt fence.
- 6. Install Sediment Trap #1. Connect the dewatering device to existing manhole structure Z. The contractor has the option of connecting to the structure with a 6" barrel or connecting the barrel to the existing 12" RCP.
- Note: The existing storm drain inlets drain to existing manhole structure Z. If the inlets are still functioning once the sediment trap is installed, they can either be blocked, inlet protected or allowed to drain above the dikes and into the trap. The existing inlets that are at the lowest elevations must be blocked or inlet protected.
- 7. Once Trap #1 has been completed, construct the earth dikes that direct the drainage toward Trap #1.
- 8. Once the sediment control devices are installed, the permittee must obtain written approval from the MCDPS Inspector before proceeding with any additional clearing, grubbing, grading or demolition.
- 9. Clear, grub, begin grading and demolition. As grading progresses, adjust the earth dikes in order to maintain positive drainage to the trap.
- 10. Begin storm drain construction. Allow the storm drain to outfall into the trap. Delay the storm drain construction below the trap. That includes structures #13, #14, #15 and #16 and their connecting pipes. Temporarily block the openings in structures #12 and #36 that lead to the delayed pipes. Also, temporarily block the 21" RCP outlet in structure #21. The temporary blocking will direct the sediment laden drainage into the trap.
- Note: The contractor must verify the relationship between the invert of the flow splitter pipe and the overflow pipe prior to backfilling around structures #21 and #36. The contractor must notify the design engineer if there is a discrepancy.
- 11. Begin water, sewer and other utility construction.
- 12. Begin roadway construction.
- 13. Begin stormwater management facilities construction in the rights—of—way. The contractor has two construction
- a. Complete the construction of facilities, and protect the media with silt fence or additional measures as determined by the MCDPS Inspector. If any media contamination occurs, the media must be replaced once the tributary area is stabilized.
- b. Delay the excavation of the facilities until after the respective tributary areas are stabilized.
- Note: Sequence Items #10 thru #13 do not need to be conducted in the exact order specified.
- 14. Begin wall construction.
- 15. Begin house and driveway construction.
- 16. As various areas are brought to final grade, place topsoil, sod/seed on grassed areas, in conformance with these plans and the "Standard Erosion and Sediment Control Notes".
- 17. Begin curb & gutter and base paving.
- 18. When all areas tributary to Trap #1 are permanently stabilized and with the MCDPS Inspector's approval:
- a. Flush the storm drain free of any accumulated sediment.
- b. Drain and muck out the trap. c. Remove the trap devices. d. Remove the associated earth dikes.
- temporary blocking. 19. With the Inspector's approval, construct the stormwater

e. Complete the storm drain in that area and remove any

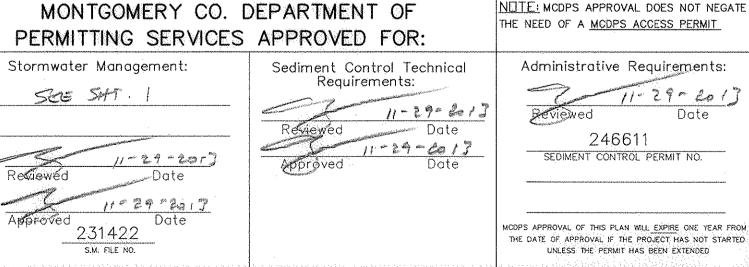
management biofilter facility. As necessary, install silt fence or other approved measures to protect the filter media.

in the rights—of—way are stabilized, complete the facilities,

20. As tributary areas to the stormwater management facilities

- as necessary. 21. Begin final paving operation.
- 22. Upon completion of all construction and permanent site stabilization, all sediment control structures shall be removed upon written approval of the MCDPS Sediment Control Inspector.
- Note: The permittee must obtain written approval from the MCDPS Inspector prior to the removal of any sediment control devices.
- 23. At the completion of the work, submit as-built plans to MCDPS for review and approval.

THIS PLAN IS FOR SOIL EROSION, SEDIMENT CONTROL AND SWM ONLY



SOIL EROSION, SEDIMENT CONTROL and SWM PLAN Formerly Alta Vista, Parts of Lots 1 & 2 BETHESDA MEWS

Lots 1-11 & Parcels A & B / Blk A; Lots 1-23 & Parcels A, B & C / Blk B 7TH ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND



Proj. Mgr. | Designer SEC Date 1-14-13 Phone 301.670.0840 Fax 301.948.0693 Project No. | Sheet www.mhgpa.com 05.287.32 | 17 of 18

LHO

Scale

NONE

Professional Certification hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the Laws of the State of Maryland

NO. DATE

DESCRIPTION License No. 16905, Expiration Date: 04/21/2014



SCALE 1'' = 2,000'

Conservation Easement

NOTE: THIS SHEET IDENTIFIES HIGHLY ERODIBLE SOILS AND STEEP SLOPES. ONCE DISTURBED, THESE AREAS MUST BE STABILIZED WITHIN 5 DAYS UNLESS THEY ARE BEING ACTIVELY GRADED.

THIS PLAN IS FOR SOIL EROSION, SEDIMENT CONTROL AND SWM ONLY

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR: Sediment Control Technical Requirements: Stormwater Management: 246611
SEDIMENT CONTROL PERMIT NO. MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED

HIGHLY ERODIBLE SOILS AND STEEP SLOPES EXHIBIT Formerly Alta Vista, Parts of Lots 1 & 2

BETHESDA MEWS Lots 1-11 & Parcels A & B / Blk A; Lots 1-23 & Parcels A, B & C / Blk B

7TH ELECTION	DISTRICT - MONTGOMERY COUNTY -	- MARYLA	ND
III MILIC	Macris, Hendricks & Glascock, P.A. Engineers Planners Landscape Architects Surveyors	Proj. Mgr. SEC	Desi J
	Landscape Architects Surveyors	Date	Sc
9220 Wightman Road, Suite 120	Phone 301.670.0840	11-14-13	1"=

11-15-13

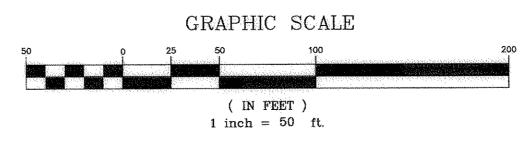
Montgomery Village, Maryland 20886-1279

SEC 1"=50" 11-14-13 Phone 301.670.0840 Project No. Sheet Fax 301.948.0693 www.mhgpa.com 05.287.32 18 of 18

Call "Miss Utility" at 1-800-257-7777,

48 hours prior to the start of work.

The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.



Professional Certification I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the Laws of the State of Maryland License No. 16905, Expiration Date: 04/21/2014 NO. DATE DESCRIPTION