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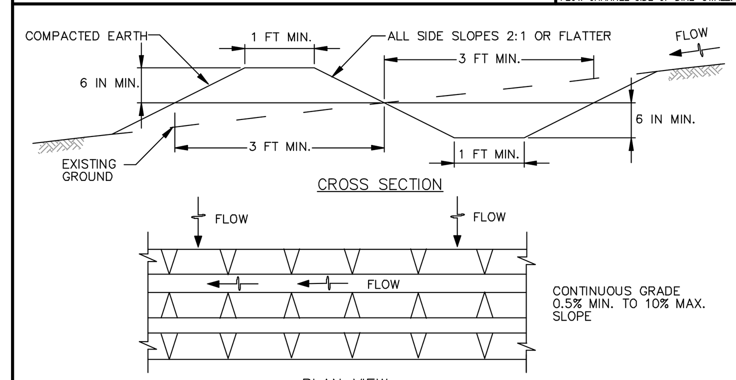
## DETAIL C-3 PERIMETER DIKE/SWALE

STANDARD SYMBOL PDS-1

PLACE DESIGNATION (PDS-1 OR 2) ON FLOW CHANNEL SIDE OF DIKE-SWALE.




FLOW CHANNEL STABILIZATION

PDS-1 SEED AND MULCH AND TACK (DRAINING < 1 ACRE) (NOT ALLOWED FOR CLEAR WATER DIVERSION.)

PDS-2 SEED WITH SOIL STABILIZATION MATTING OR LINE WITH SOD (DRAINING BETWEEN 1 AND 2 ACRES)

NOTE: THE MAXIMUM DRAINAGE AREA FOR THIS PRACTICE IS 2 ACRES.

CONSTRUCTION SPECIFICATIONS

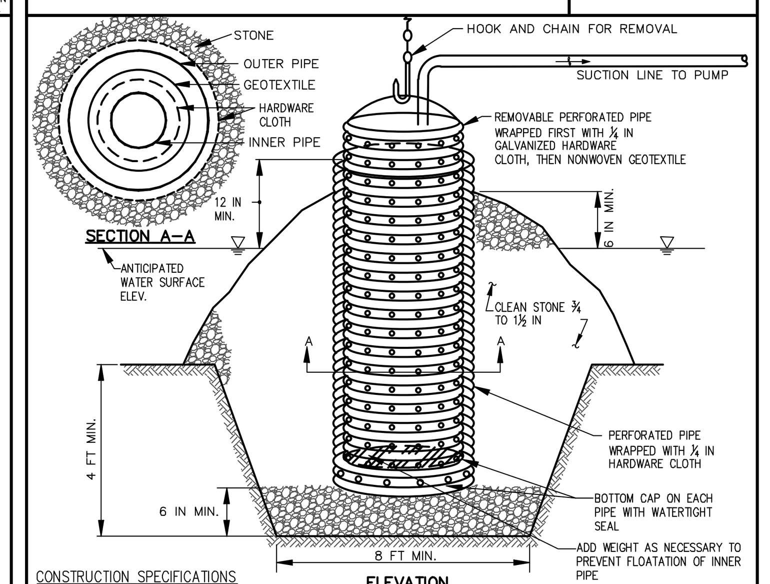
1. REMOVE AND DISPOSE OF ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SO AS NOT TO INTERFERE WITH PROPER FUNCTION OF DIKE/SWALE.
2. EXCAVATE OR SHAPE DIKE/SWALE TO LINE, GRADE, AND CROSS SECTION AS SPECIFIED. BANK PROJECTIONS OR OTHER IRREGULARITIES ARE NOT ALLOWED.
3. COMPACT FILL.
4. CONSTRUCT DIKE/SWALE ON AN UNINTERRUPTED, CONTINUOUS GRADE, ADJUSTING THE LOCATION DUE TO FIELD CONDITIONS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
5. PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.
6. STABILIZE DIKE/SWALE WITHIN 3 DAYS OF INSTALLATION. STABILIZE DIKE/SWALES USED FOR CLEAR WATER DIVERSION WITHIN 24 HOURS OF INSTALLATION.
7. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS, AND MAINTAIN POSITIVE DRAINAGE. KEEP PERIMETER DIKE/SWALE AND POINT OF DISCHARGE FREE OF EROSION AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.
8. UPON REMOVAL OF DIKE/SWALE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS OF REMOVAL STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, MULCH, OR AS SPECIFIED ON APPROVED PLAN.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

## DETAIL F-1 REMOVABLE PUMPING STATION

STANDARD SYMBOL ☒RPS




CONSTRUCTION SPECIFICATIONS

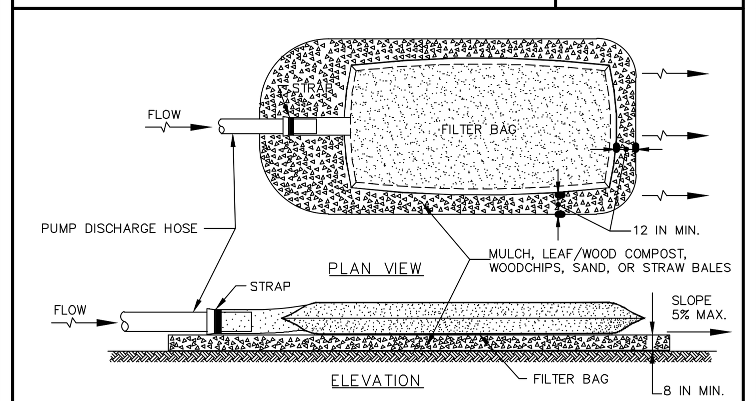
1. USE CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS 6 INCHES ON CENTER.
2. USE A MINIMUM 12 INCH DIAMETER INNER PIPE WITH AN OUTER PIPE A MINIMUM 6 INCHES LARGER IN DIAMETER. BOTTOM OF EACH PIPE MUST BE CAPPED WITH WATERTIGHT SEAL.
3. WRAP EACH PIPE WITH ¼ INCH GALVANIZED HARDWARE CLOTH. ON INNER PIPE WRAP NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE HARDWARE CLOTH.
4. EXCAVATE 8 FEET X 8 FEET X 4 FEET DEEP PIT FOR PIPE PLACEMENT. PLACE CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 6 INCHES IN DEPTH PRIOR TO PIPE PLACEMENT.
5. SET TOP OF INNER AND OUTER PIPES MINIMUM 12 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION (OR RISER CREST ELEVATION WHEN DEWATERING A BASIN).
6. BACKFILL PIT AROUND THE OUTER PIPE WITH ¾ TO 1½ INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE AND EXTEND STONE A MINIMUM OF 6 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
7. DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.
8. A REMOVABLE PUMPING STATION REQUIRES FREQUENT MAINTENANCE. IF SYSTEM CLOGS, PULL OUT INNER PIPE AND REPLACE GEOTEXTILE. KEEP POINT OF DISCHARGE FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

## DETAIL F-4 FILTER BAG

STANDARD SYMBOL ☒FB




CONSTRUCTION SPECIFICATIONS

1. TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE.
2. PLACE FILTER BAG ON SUITABLE BASE (E.G., MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF BAG.
3. CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
4. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
5. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:

| | | |
|---|---|---|
| GRAB TENSILE | 250 LB | ASTM D-4632 |
| PUNCTURE | 150 LB | ASTM D-4833 |
| FLOW RATE | 70 GAL/MIN/FT² | ASTM D-4491 |
| PERMITTIVITY (SEC⁻¹) | 1.2 SEC⁻¹ | ASTM D-4491 |
| UV RESISTANCE | 70% STRENGTH @ 500 HOURS | ASTM D-4355 |
| APPARENT OPENING SIZE (AOS) | 0.15–0.18 MM | ASTM D-4751 |
| SEAM STRENGTH | 90% | ASTM D-4632 |

6. REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.

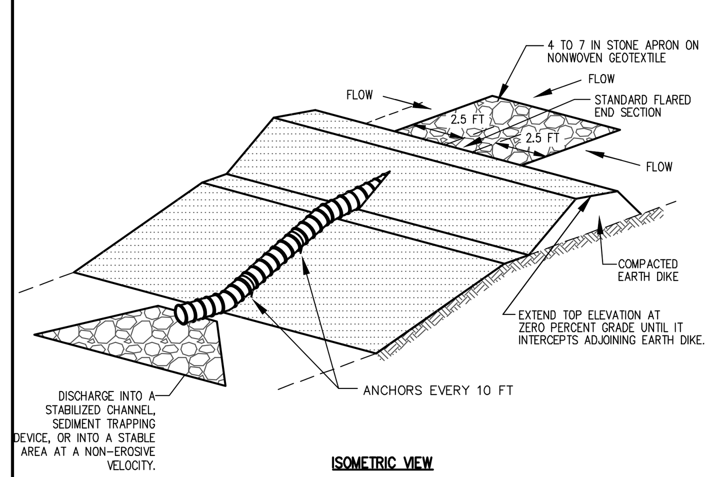
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

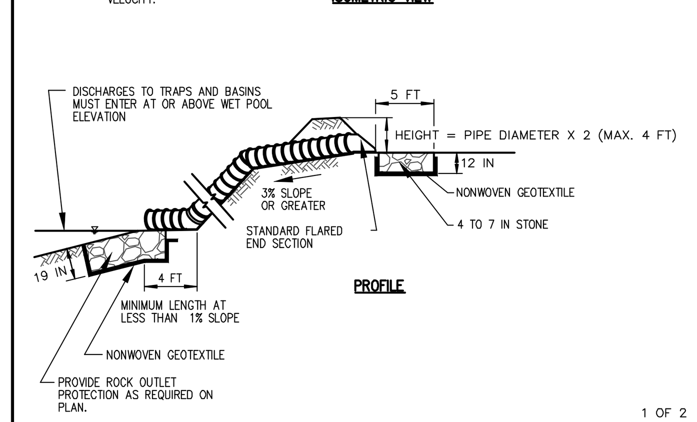
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

## DETAIL D-1 PIPE SLOPE DRAIN

STANDARD SYMBOL PSD – 15

DESIGNATION PSD-15 REFERS TO 15 IN PIPE SLOPE DRAIN.




1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

## DETAIL D-1 PIPE SLOPE DRAIN

STANDARD SYMBOL PSD – 15

DESIGNATION PSD-15 REFERS TO 15 IN PIPE SLOPE DRAIN.

CONSTRUCTION SPECIFICATIONS

1. THE HEIGHT OF THE EARTH DIKE MUST BE AT LEAST 2 TIMES THE PIPE DIAMETER MEASURED FROM THE INVERT OF THE PIPE. EXTEND THE TOP ELEVATION OF DIKE AT ZERO PERCENT GRADE UNTIL IT INTERCEPTS THE TOP OF THE ADJOINING EARTH DIKE.
2. FLEXIBLE PIPE IS PREFERRED. HOWEVER, CORRUGATED METAL PIPE OR EQUIVALENT PVC PIPE CAN BE USED. ALL CONNECTIONS MUST BE WATERTIGHT.
3. ATTACH A FLARED END SECTION TO THE INLET END OF PIPE WITH A WATERTIGHT CONNECTION. AT THE INLET OF THE PIPE SLOPE DRAIN, INSTALL 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE PLACED 12 INCHES IN DEPTH ON NONWOVEN GEOTEXTILE AND EXTEND OUT 5 FEET FROM THE INLET IN ALL DIRECTIONS.
4. PROVIDE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND ALONG SIDES OF ALL RIPRAP.
5. SECURELY ANCHOR THE PIPE SLOPE DRAIN (PSD) TO THE SLOPE. SPACE THE ANCHORS EVERY 10 FEET.
6. HAND TAMP THE SOIL AROUND AND UNDER THE PIPE AND END SECTION IN 4 INCH LIFTS TO THE TOP OF THE EARTH DIKE.
7. UPON COMPLETING INSTALLATION OF THE PSD, STABILIZE ASSOCIATED DISTURBANCES WITH SEED, MULCH, AND TACK.
8. INSTALL OUTLET PROTECTION AS SPECIFIED ON APPROVED PLAN.
9. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION. MAINTAIN WATER TIGHT CONNECTIONS AND POSITIVE DRAINAGE. REMOVE ACCUMULATED SEDIMENT AND DEBRIS.

2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

## SEQUENCE OF CONSTRUCTION:

| | | | |
|---|---|---|---|
| SSF | INDICATES SUPER SILT FENCE | SF | INDICATES SILT FENCE |
| ED | INDICATES EARTH DIKE | IP | INDICATES INLET PROTECTION |
| IB | INDICATES INLET BLOCKING | CWD | INDICATES CLEAN WATER DIVERSION |
| SCE | INDICATES STONE CONSTRUCTION ENTRANCE | | |

WHEN WORKING IN THE AREA OF THE STREAM AND THE NON-TIDAL WETLANDS, THE CONTRACTOR MUST USE THE BEST MANAGEMENT PRACTICES SHOWN ON THIS SHEET OF THE PLAN SET

1. OBTAIN GRADING PERMIT. (1 DAY)
2. ARRANGE FOR AN ON-SITE PRE-CONSTRUCTION MEETING. (1 DAY)

### PHASE A

(THE CONSTRUCTION OF THE IMPROVEMENTS IN THE AREA OF LOTS 355 THRU 363, WAKEFIELD COURT, LOTS 295 THRU 308, LOTS 364 THRU 374, FINDLEY LANE, AND A PORTION OF WESTMOUNT PARKWAY.)

1. CONSTRUCT THE SCE AT THE INTERSECTION OF WESTMOUNT PARKWAY AND FINDLEY LANE AND AT THE INTERSECTION OF WESTMOUNT PARKWAY AND WAKEFIELD COURT. (1 DAY)
2. THE CONTRACTOR IS TO INSPECT ANY SEDIMENT CONTROL DEVICES, INCLUDING TRAPS AND BASINS, CONSTRUCTED UNDER F 17-001 AND MAKE ANY NECESSARY REPAIRS. IF AT ANY TIME A TRAP NEEDS TO BE DE-WATERED, THE CONTRACTOR IS TO USE THE REMOVABLE PUMPING STATION AND FILTER BAG. IF AT ANY TIME A BASIN NEEDS TO BE DE-WATERED THE CONTRACTOR CAN USE THE REMOVABLE PUMPING STATION TO PUMP THE FILTERED WATER INTO THE RISER. (2 WEEKS)
3. INSTALL ANY ADDITIONAL SEDIMENT CONTROL DEVICES SHOWN ON SHEET 25 OF THIS PLAN SET. (2 WEEKS)
4. WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR FINE GRADE THE SITE. (2 WEEKS)
5. BEGIN UTILITY INSTALLATION. THE STORM DRAINS ARE TO BE INSTALLED PER THIS PLAN SET AND THE WATER AND SEWER PER CONTRACTS 44-5175-D AND 24-5176-D.
6. IF AT ANY TIME, PONDING SHOULD OCCUR PRIOR TO AN INLET BEING INSTALLED, THE CONTRACTOR IS TO "CUT IN" A SWALE TO ALLOW THE RUNOFF TO DRAIN TO A PERIMETER DEVICE. THE CONTRACTOR MAY HAVE TO USE EARTHEN BERMS INITIALLY, WHICH WILL BE CONVERTED TO ASPHALT BERMS ONCE THE BASE PAVING HAS BEN PLACED TO CONTINUE DIRECTING RUNOFF TO THE INLETS OR PERIMETER DEVICES THAT WERE INTENDED TO RECEIVE THEM.
   **NOTE: ANY SEDIMENT CONTROL DEVICE THAT IS DAMAGED AS A RESULT OF A UTILITY INSTALLATION IS TO BE REPAIRED IMMEDIATELY AFTER THE INSTALLATION HAS BEEN COMPLETED.**
7. ANY SURPLUS GENERATED BY THE FINE GRADING UNDER THIS PHASE WILL BE PLACED IN A STOCKPILE FOR BACKFILLING SEDIMENT TRAPS OR FOR FILL AREAS IN PHASE B.
8. INSTALL THE CURB AND GUTTER, SIDEWALKS AND BASE PAVING ALONG WESMOUNT PARKWAY FROM C.L. STA. 68+15 TO 70+37, FINDLEY LANE FROM C.L. STA. 0+00 TO 9+39, AND ALONG WAKEFIELD COURT FROM C.L. STA. 0+40 TO 3+00. (1 MONTH)
9. STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING SPECIFICATIONS. THE CONTRACTOR IS TO WRAP THE STOCKPILE WITH SF TO PROTECT RECENTLY STABILIZED AREAS.

### PHASE B

(THE CONSTRUCTION OF THE IMPROVEMENTS IN THE AREA OF LOTS 309 THRU 346, LOTS 375 THRU 387, PRATCHETT LANE, ELK RIDGE LANE, PICTON COURT, AND A PORTION OF WESTMOUNT PARKWAY.)

1. RELOCATE THE SCE AT THE INTERSECTION OF WESTMOUNT PARKWAY AND FINDLEY LANE CONSTRUCTED UNDER PHASE A TO THE LOCATION SHOWN ON THE PHASE B PLAN. (1 DAY)
2. THE CONTRACTOR IS TO INSPECT ANY SEDIMENT CONTROL DEVICES, INCLUDING TRAPS AND BASINS, CONSTRUCTED UNDER F 17-001 AND MAKE ANY NECESSARY REPAIRS. IF AT ANY TIME A TRAP NEEDS TO BE DE-WATERED, THE CONTRACTOR IS TO USE THE REMOVABLE PUMPING STATION AND FILTER BAG. IF AT ANY TIME A BASIN NEEDS TO BE DE-WATERED THE CONTRACTOR CAN USE THE REMOVABLE PUMPING STATION TO PUMP THE FILTERED WATER INTO THE RISER. (2 WEEKS)
3. INSTALL ANY ADDITIONAL SEDIMENT CONTROL DEVICES SHOWN ON SHEET 26 OF THIS PLAN SET. (2 WEEKS)
4. WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR FINE GRADE THE SITE. (2 WEEKS)
5. BEGIN UTILITY INSTALLATION. THE STORM DRAINS ARE TO BE INSTALLED PER THIS PLAN SET AND THE WATER AND SEWER PER CONTRACTS 24-5177-D AND 24-5178-D.
6. IF AT ANY TIME, PONDING SHOULD OCCUR PRIOR TO AN INLET BEING INSTALLED, THE CONTRACTOR IS TO "CUT IN" A SWALE TO ALLOW THE RUNOFF TO DRAIN TO A PERIMETER DEVICE. THE CONTRACTOR MAY HAVE TO USE EARTHEN BERMS INITIALLY, WHICH WILL BE CONVERTED TO ASPHALT BERMS ONCE THE BASE PAVING HAS BEN PLACED TO CONTINUE DIRECTING RUNOFF TO THE INLETS OR PERIMETER DEVICES THAT WERE INTENDED TO RECEIVE THEM.
   **NOTE: ANY SEDIMENT CONTROL DEVICE THAT IS DAMAGED AS A RESULT OF A UTILITY INSTALLATION IS TO BE REPAIRED IMMEDIATELY AFTER THE INSTALLATION HAS BEEN COMPLETED.**
7. ANY SURPLUS GENERATED BY THE FINE GRADING UNDER THIS PHASE WILL BE PLACED IN A STOCKPILE FOR BACKFILLING SEDIMENT TRAPS AND BASINS.
8. INSTALL THE CURB AND GUTTER, SIDEWALKS AND BASE PAVING ALONG WESMOUNT PARKWAY FROM C.L. STA. FROM 70+37 TO 92+82, ALL OF PRATCHETT LANE, ALL OF ELK RIDGE LANE, AND ALL OF PICTON COURT. (1 MONTH)
9. STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING SPECIFICATIONS.

### FINAL CONSTRUCTION ITEMS

1. FLUSH THE STORM DRAIN SYSTEMS. (1 WEEK)
2. ONCE ALL OF THE CONTRIBUTING AREAS TO A PARTICULAR TRAP OR BASIN HAVE BEEN STABILIZED, REMOVE CWD'S AND ED'S DIRECTING RUNOFF TO THEM. (1 MONTH)
3. BACKFILL THE TRAPS AND BASINS PER THE DETAILS SHOWN ON SHEETS 27 AND 28. IF AT ANY TIME A TRAP NEEDS TO BE DE-WATERED, THE CONTRACTOR IS TO USE THE REMOVABLE PUMPING STATION AND FILTER BAG. IF AT ANY TIME A BASIN NEEDS TO BE DE-WATERED THE CONTRACTOR CAN USE THE REMOVABLE PUMPING STATION TO PUMP THE FILTERED WATER INTO THE RISER. PRIOR TO THE CONTRACTOR BACKFILLING THE TRAPS AND BASINS, THE DEVICES ARE TO BE DE-WATERED AND AT A MINIMUM, EXCAVATED TO THE BOTTOM ELEVATION SHOWN ON THESE PLANS. COMPACTION OF THE BACKFILL MATERIAL MUST BE PERFORMED TO A LEVEL APPROPRIATE FOR THE CONSTRUCTION OF HOMES IN THE FUTURE. (1 MONTH)
4. ONCE ALL OF THE CONTRIBUTING AREAS HAVE BEEN STABILIZED AND PERMISSION HAS BEEN GRANTED BY THE SEDIMENT CONTROL INSPECTOR, CONSTRUCT THE MICRO-BIO RETENTION FACILITIES (2 MONTHS)

WHEN WORKING IN THE AREA OF THE STREAM AND THE NON-TIDAL WETLANDS, THE CONTRACTOR MUST USE THE BEST MANAGEMENT PRACTICES SHOWN ON THIS SHEET OF THE PLAN SET

### BEST MANAGEMENT PRACTICES

FOR WORKING IN NON-TIDAL WETLAND, WETLAND BUFFERS, WATERWAYS, AND 100-YEAR FLOODPLAINS

1. NO EXCESS FILL, CONSTRUCTION MATERIAL, OR DEBRIS SHALL BE STOCKPILES OR STORED IN NON-TIDAL WETLANDS, NON-TIDAL WETLAND BUFFERS, WATERWAYS, OR 100-YEAR FLOODPLAIN.
2. PLACE MATERIALS IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF NON-TIDAL WETLANDS, NON-TIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
3. DO NOT USE THE EXCAVATED MATERIAL AS BACKFILL IF IT CONTAINS WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE. IF ADDITIONAL BACKFILL IS REQUIRED, USE CLEAN MATERIAL FREE OF WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE.
4. PLACE HEAVY EQUIPMENT ON MATS OR SUITABLY OPERATE THE EQUIPMENT TO PREVENT DAMAGE TO NON-TIDAL WETLANDS, NON-TIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
5. REPAIR AND MAINTAIN ANY SERVICEABLE STRUCTURE OR FILL SO THERE IS NO PERMANENT LOSS OF NON-TIDAL WETLANDS, NON-TIDAL WETLAND BUFFERS, OR WATERWAYS, OR PERMANENT MODIFICATION OF THE 100-YEAR FLOODPLAIN IN EXCESS OF THAT LOST UNDER THE ORIGINALLY AUTHORIZED STRUCTURE OR FILL.
6. RECTIFY ANY NON-TIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS OR 100-YEAR FLOODPLAIN TEMPORARILY IMPACTED BY ANY CONSTRUCTION.

ALL STABILIZATION IN THE NON-TIDAL WETLAND AND NON-TIDAL WETLAND BUFFER SHALL CONSIST OF THE FOLLOWING SPECIES:

ANNUAL RYE GRASS (LOLIUM MULTIFLORUM)
MILLET (SETARIA ITALICA)
BARLEY (HORDEUM SPECIES)
OATS (SP.)
RYE (SECALE CEREALE)

THESE SPECIES WILL ALLOW FOR THE STABILIZATION OF THE SITE WHILE ALSO ALLOWING FOR THE VOLUNTARY REVEGETATION OF NATURAL WETLAND SPECIES. OTHER NON-PERSISTENT VEGETATION MAY BE ACCEPTABLE, BUT MUST BE APPROVED BY THE NON-TIDAL WETLANDS AND WATERWAYS DIVISION. KENTUCKY 31 FESCUE SHALL NOT BE UTILIZED IN WETLAND OR BUFFER AREAS. THE AREA SHOULD BE SEEDED AND MULCHED TO REDUCE EROSION AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

8. AFTER INSTALLATION HAS BEEN COMPLETED, MAKE POST-CONSTRUCTION GRADES AND ELEVATIONS THE SAME AS THE ORIGINAL GRADES AND ELEVATIONS IN TEMPORARILY IMPACTED AREAS.
9. TO PROTECT AQUATIC SPECIES, IN-STREAM WORK IS PROHIBITED AS DETERMINED BY THE CLASSIFICATION OF THE STREAM. USE I WATERS: IN STREAM WORK SHALL BE CONDUCTED DURING THE PERIOD MARCH 1 THROUGH JUNE 15, INCLUSIVE, DURING ANY YEAR.
10. STORMWATER RUNOFF FROM IMPERVIOUS SURFACES SHALL BE CONTROLLED TO PREVENT THE WASHING OF DEBRIS INTO THE WATERWAY.
11. CULVERTS SHALL BE CONSTRUCTED AND ANY RIPRAP PLACED SO AS NOT TO OBSTRUCT THE MOVEMENT OF AQUATIC SPECIES, UNLESS THE PURPOSE OF THE ACTIVITY IS TO IMPOUND WATER.

### DEVELOPER'S/BUILDER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR SEDIMENT AND EROSION, CONTROL, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIORNMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

M. Jenny Ruther — 10/27/21

SIGNATURE OF DEVELOPER/BUILDER — DATE

### ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

[signature] — 10/28/21

ENGINEER'S SIGNATURE — DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DocuSigned by: [signature] 2465821AE4DA4C2... — 11/29/2021

Chief, Bureau of Highways — Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

DocuSigned by: [signature] 1FB75478A22B49A — 11/24/2021

Chief, Division of Land Development — Date

DocuSigned by: Chad Edmondson D5E6F9A84923495 — 11/23/2021

Chief, Development Engineering Division — Date

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

DocuSigned by: Alexander Bratchie 65648D5BA9B64C1... — 11/23/2021

Howard S.C.D. — Date

GLW PLANNING | ENGINEERING | SURVEYING

3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20866 | GLWPA.COM
PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2524 | FAX: 301-421-4186

DESIGNED BY: DEV
DRAWN BY: AWL
CHECKED BY: DEV

| DATE | REVISION | BY | APP'R. |
|---|---|---|---|

PREPARED FOR:
WESTMOUNT DEVELOPMENT CORPORATION
307 INTERNATIONAL CIRCLE, SUITE 130
HUNT VALLEY, MARYLAND 21030
410-489-4489
ATTN.: ROBERT GOODIER

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS 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. 12975, EXPIRATION DATE: MAY 26, 2022.
10/28/21

SEDIMENT CONTROL NOTES and DETAILS

# WESTMOUNT - PHASE 4

## LOTS 295-394 AND OPEN SPACE LOTS 395-418

A RESUBDIVISION OF NON-BUILDABLE BULK PARCELS E & F

ELECTION DISTRICT No. 2 — HOWARD COUNTY, MARYLAND

| SCALE | ZONING | G. L. W. FILE No. |
|---|---|---|
| AS NOTED | R-ED | 13-013 |
| DATE | TAX MAP – GRID | SHEET |
| OCT., 2021 | 23-6&12 | 35 OF 45 |

F-21-032

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L:\CADD\DRAWINGS\13013\PLANS BY GLW\ROADS-SD (PH4)\PHASE 4_33-35_SC – Notes & Details.dwg,
PLOTTED:10/26/2021 3:15 PM, LAST SAVED:10/26/2021 3:14 PM, PLOTTED BY: Tony Leggieri