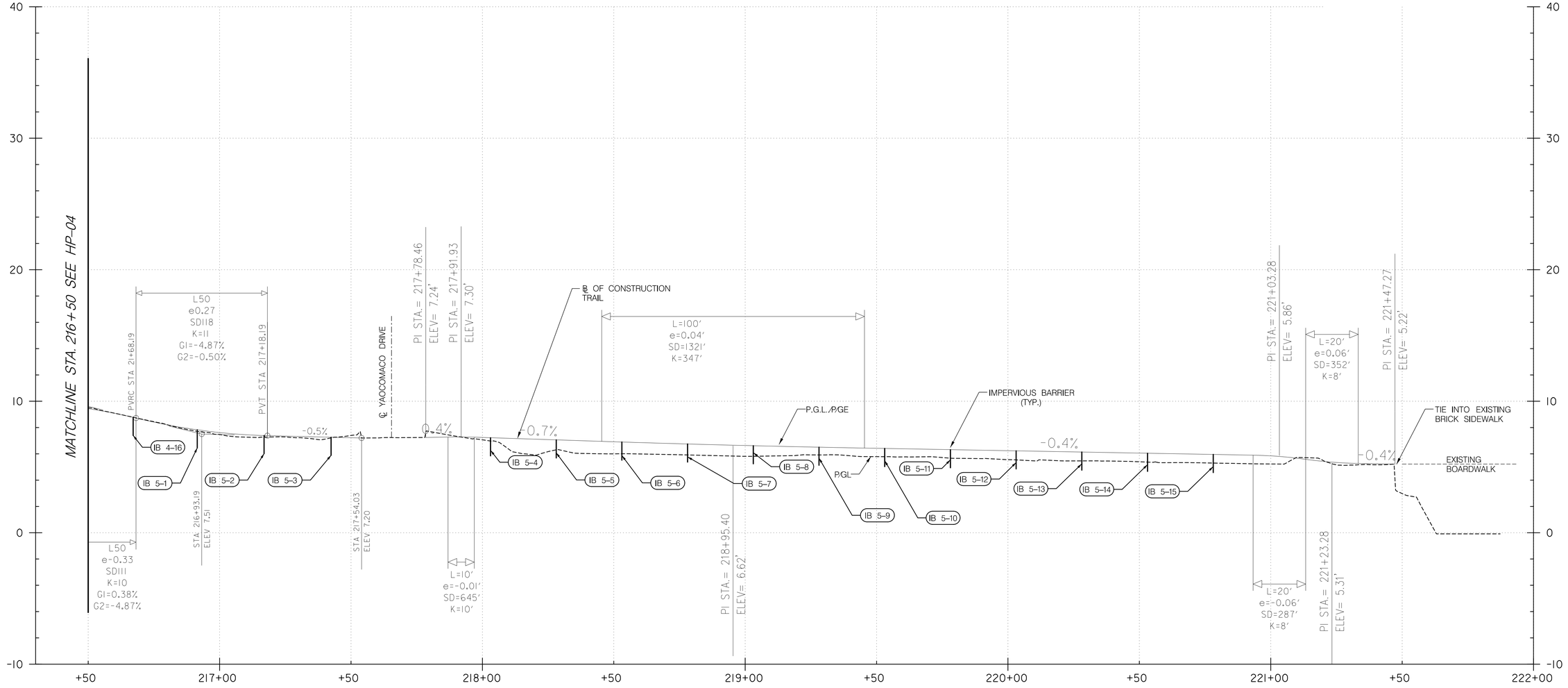

TRAIL PROFILE

IMPERVIOUS BARRIER	
POINT	STATION
IB 4-16	216+67
IB 5-1	216+92
IB 5-2	217+17
IB 5-3	217+42
IB 5-4	218+03
IB 5-5	218+28
IB 5-6	218+53
IB 5-7	218+78
IB 5-8	219+03
IB 5-9	219+28
IB 5-10	219+53
IB 5-11	219+78
IB 5-12	220+03
IB 5-13	220+28
IB 5-14	220+53
IB 5-15	220+78

0 10 20 40
HORIZONTAL SCALE: 1" = 20'
8 4 2 0
VERTICAL SCALE: 1"=4'

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CROSS REFERENCE	
ITEM	SHEET NOs.
ABBREVIATIONS /GENERAL NOTES /TYPICAL SECTIONS SHEETS,	2-3
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GEOMETRY SHEET	7
TRAIL PLAN & TRAIL PROFILE SHEETS	8-17
DRAINAGE DESIGN PROFILE SHEETS	18-19
MISC. QUANTITY, STORMWATER DETAIL & AS-BUILST SHEETS	20-22
EROSION AND SEDIMENT CONTROL NOTES, DETAILS, & PLANS,	23-40
SIGNING AND PAVEMENT MARKING SHEET	41
MAINTENANCE OF TRAFFIC NOTES SHEET	42
BRIDGE, STRUCTURE & BORING SHEETS	43-51
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LIGHTING PLAN SHEETS	58-62

R /W PLAT NUMBER

REVISIONS

ST. MARY'S COLLEGE OF MARYLAND

ST. MARY'S COLLEGE OF MARYLAND
PEDESTRIAN AND BICYCLE TRAIL PROJECT

TRAIL PROFILE SHEET

SCALE AS SHOWN ADVERTISED DATE DEC 2021 CONTRACT NO. SM193B51

DESIGNED BY GGW
DRAWN BY PNK
CHECKED BY ABA
MDE/PRD SEE TITLE SHEET

COUNTY ST. MARY'S
LOGMILE 11.19 TO 11.59
HORIZONTAL SCALE N/A
VERTICAL SCALE N/A

DRAWING NO. HP-05 OF HP-05
SHEET NO. 17 OF 62

PLOTTED: Friday, November 05, 2021 AT 10:09 AM
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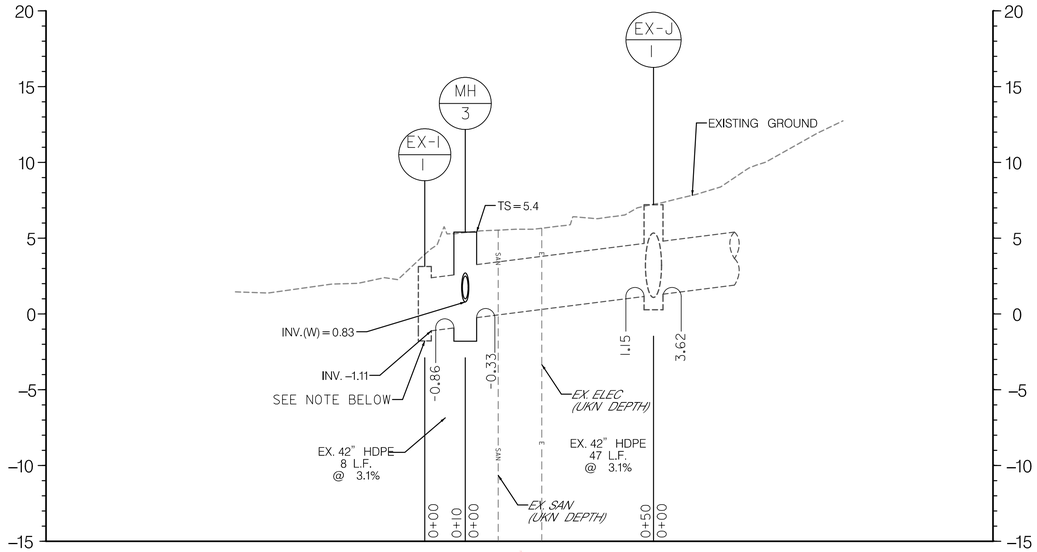
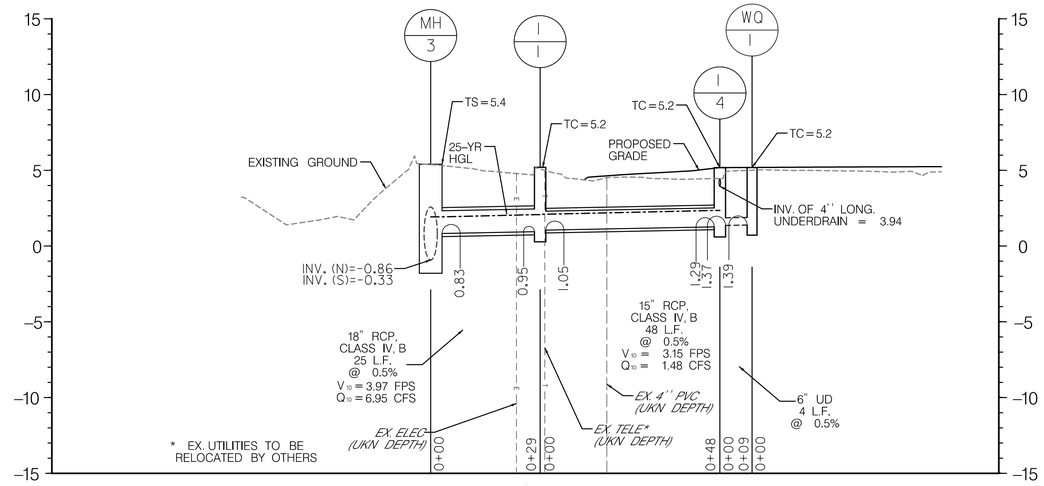
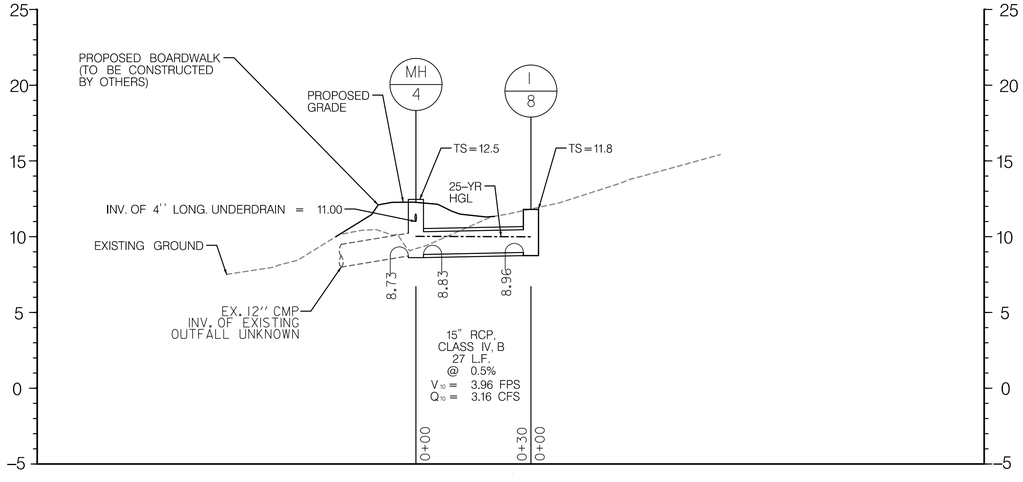


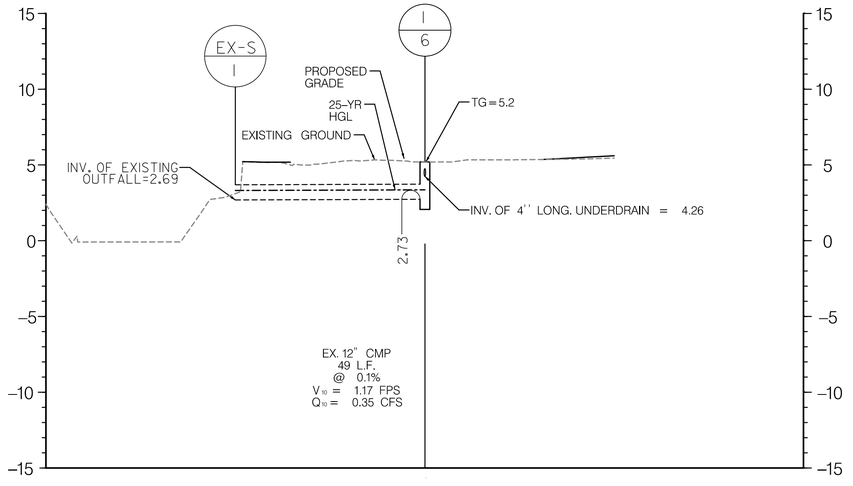
EX-I-1 TO EX-J-1



MH-3 TO FIL-1



MH-4 TO I-8



I-6 TO EX-S-1

NOTE: ORIGINAL DESIGN PLANS BY ADTEK ENGINEERS, INC., OCTOBER 2001 INDICATE THAT THE DRAINAGE STRUCTURE EX-I-1 IS DESIGNED WITH 6 - 6" DIA. OPENING @ STRUCTURE BOTTOM MIN. 1.5' SPACING.

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ST. MARY'S COLLEGE OF MARYLAND

ST. MARY'S COLLEGE OF MARYLAND
PEDESTRIAN AND BICYCLE TRAIL PROJECT

DRAINAGE DESIGN PROFILE SHEET

SCALE N.T.S. ADVERTISED DATE DEC 2021 CONTRACT NO. SM193B51

DESIGNED BY ASS COUNTY ST. MARY'S
DRAWN BY PNK LOGMILE 11.19 TO 11.59
CHECKED BY NH HORIZONTAL SCALE N/A
MDE/PRD SEE TITLE SHEET VERTICAL SCALE N/A

DRAWING NO. DP-01 OF DP-02 SHEET NO. 18 OF 62

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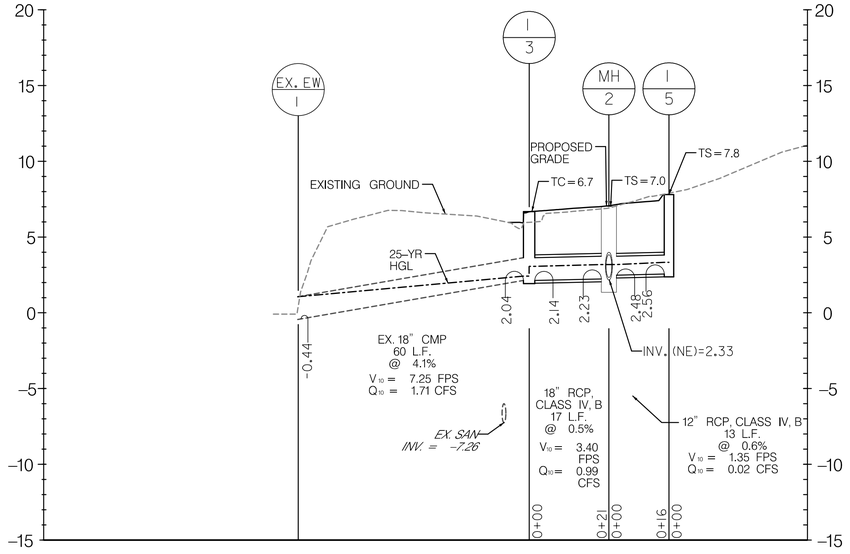
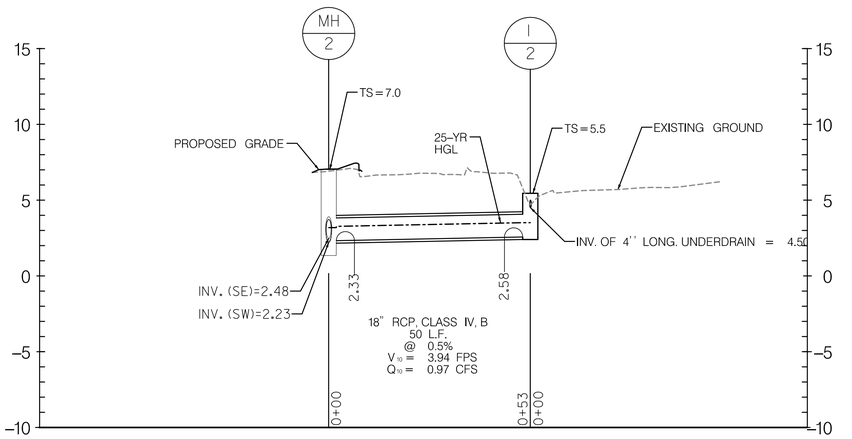


EX–EW–1 TO I–5



MH–2 TO I–2

STRUCTURE SCHEDULE

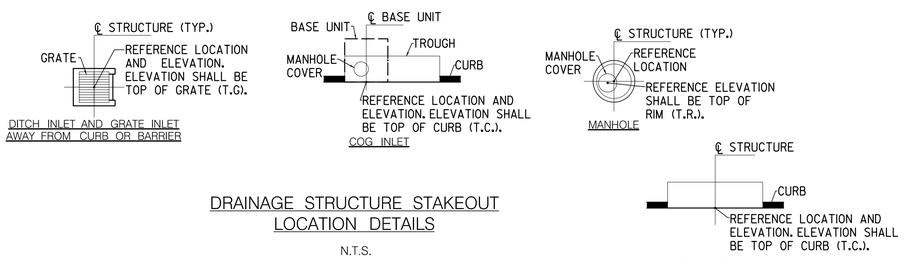
PLAN SHEET	NUMBER	STATION	OFFSET	TYPE	ELEVATION TOP	ELEVATION INVERT	DETAIL	VERTICAL DEPTH	COMMENTS
PS-01	I-8	9+15	25' LT	PRECAST STANDARD SINGLE OPENING TYPE K INLET OPEN-END GRATE	11.8	8.96	MD 378.11	8.3	
PS-01	MH-4	9+44	27' LT	48 INCH DIAMETER MANHOLE FOR 12 INCH TO 24 INCH PIPES	12.5	8.73	MD 384.01	9.0	
PS-03	I-1	17+75	60' LT	STANDARD TYPE S COMBINATION INLET DOUBLE GRATE TANDEM	5.2	0.95	MD 374.71	1.7	MD-379.05-01 GRATE
PS-03	I-4	18+11	29' LT	STANDARD TYPE S COMBINATION INLET DOUBLE GRATE TANDEM	5.2	1.29	MD 374.71	1.7	MD-379.05-01 GRATE
PS-03	MH-3	17+51	76' LT	72 INCH DIAMETER MANHOLE FOR 42 INCH AND 48 INCH PIPES	5.4	-0.86	MD 384.05	1.9	
PS-03	WQ-1	18+25	30' LT	WATER QUALITY INLET	5.2	1.39	SEE SW-01	N/A	
PS-05	I-2	23+94	26' LT	PRECAST STANDARD SINGLE OPENING TYPE K INLET OPEN-END GRATE	5.5	2.58	MD 378.11	2.0	
PS-05	I-3	24+69	16' LT	STANDARD TYPE S COMBINATION INLET DOUBLE GRATE TANDEM	6.7	2.04	MD 374.71	3.2	MD-379.05-01 GRATE
PS-05	I-5	24+47	27' LT	STANDARD YARD INLET	7.8	2.56	MD 381.01	4.3	
PS-05	I-6	27+55	32' LT	PRECAST STANDARD SINGLE OPENING TYPE K INLET OPEN-END GRATE	5.2	2.73	MD 378.11	1.7	
PS-05	MH-2	24+47	29' LT	48 INCH DIAMETER MANHOLE FOR 12 INCH TO 24 INCH PIPES	7.0	2.23	MD 384.01	3.5	
PS-05	I-7	23+93	21' LT	5' PRECAST COG OPENING	6.3	N/A	MD 374.68	N/A	W = 3 FT

PIPE SCHEDULE

PLAN SHEET	FROM	TO	TYPE	LENGTH
PS-01	I-8	MH-4	15 INCH REINFORCED CONCRETE PIPE, CLASS IV	27
PS-03	I-1	MH-3	18 INCH REINFORCED CONCRETE PIPE, CLASS IV	25
PS-03	I-4	I-1	15 INCH REINFORCED CONCRETE PIPE, CLASS IV	48
PS-05	I-2	MH-2	18 INCH REINFORCED CONCRETE PIPE, CLASS IV	50
PS-05	I-5	MH-2	12 INCH REINFORCED CONCRETE PIPE, CLASS IV	13
PS-05	MH-2	I-3	18 INCH REINFORCED CONCRETE PIPE, CLASS IV	17

UNDERDRAIN SCHEDULE

PLAN SHEET	STATION FROM	STATION TO	TYPE	LENGTH
PS-01	199+83	202+58	4 INCH PERFORATED CIRCULAR PIPE UNDERDRAIN	270
PS-01	202+58	202+60	4 INCH CIRCULAR PIPE UNDERDRAIN OUTLETS	6
PS-03	211+33	212+22	4 INCH PERFORATED CIRCULAR PIPE UNDERDRAIN	86
PS-03	211+33	211+36	4 INCH CIRCULAR PIPE UNDERDRAIN OUTLETS	6
PS-03	18+13	18+17	4 INCH PERFORATED CIRCULAR PIPE UNDERDRAIN	4
PS-04	211+36	213+87	4 INCH PERFORATED CIRCULAR PIPE UNDERDRAIN	165
PS-04	214+37	214+46	4 INCH CIRCULAR PIPE UNDERDRAIN OUTLETS	16
PS-04	214+46	216+42	4 INCH PERFORATED CIRCULAR PIPE UNDERDRAIN	244
PS-05	216+90	217+47	4 INCH PERFORATED CIRCULAR PIPE UNDERDRAIN	57
PS-05	217+38	217+47	4 INCH CIRCULAR PIPE UNDERDRAIN OUTLETS	13
PS-05	217+92	218+08	4 INCH CIRCULAR PIPE UNDERDRAIN OUTLETS	19
PS-05	218+08	221+08	4 INCH PERFORATED CIRCULAR PIPE UNDERDRAIN	300
PS-05	221+00	221+08	4 INCH CIRCULAR PIPE UNDERDRAIN OUTLETS	9



DRAINAGE STRUCTURE STAKEOUT LOCATION DETAILS

N.T.S.

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BY: ggwissman –

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ST. MARY'S COLLEGE OF MARYLAND

ST. MARY'S COLLEGE OF MARYLAND PEDESTRIAN AND BICYCLE TRAIL PROJECT

DRAINAGE DESIGN PROFILE SHEET

SCALE N.T.S. ADVERTISED DATE DEC 2021 CONTRACT NO. SM193B51

DESIGNED BY ASS
DRAWN BY PNK
CHECKED BY NH
MDE/PRD SEE TITLE SHEET

COUNTY ST. MARY'S
LOGMILE 11.19 TO 11.59
HORIZONTAL SCALE N./A
VERTICAL SCALE N./A

DRAWING NO. DP-02 OF DP-02 | SHEET NO. 19 OF 62

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PRELIMINARY ITEMS			
STATION	**QTY**	**Unit**	**Remarks**
CLEARING AND GRUBBING	1	LS	
REMOVAL OF TREES	11	EA	
MAINTENANCE OF TRAFFIC	1	LS	
GRADED AGGREGATE BASE FOR MAINTENANCE OF TRAFFIC	25	TON	
ASPHALT FOR MAINTENANCE OF TRAFFIC	25	TON	
TEMPORARY TRAFFIC SIGNS HIGH PERFORMANCE WIDE ANGLE RETROFLECTIVE SHEETING	150	SF	
TEMPORARY ORANGE CONSTRUCTION FENCE	5,000	LF	
DRUMS FOR MAINTENANCE OF TRAFFIC	50	EA	
PORTABLE VARIABLE MESSAGE SIGN	40	UD	
PROTECTION VEHICLE	40	UD	
CONSTRUCTION STAKEOUT	1	LS	
MOBILIZATION AND DEMOBILIZATION	1	LS	

GRADING ITEMS			
SETTING COURSE USING AASHTO NO. 8 AGGREGATE	58	CY	
SELECT BACKFILL USING AASHTO NO. 2 AGGREGATE	615	CY	
CLASS 1 EXCAVATION	660	CY	
CLASS 1-A EXCAVATION	250	CY	
COMMON BORROW	170	CY	
TEST PIT EXCAVATION	50	CY	
REMOVAL OF EXISTING PAVEMENT	400	CY	

DRAINAGE ITEMS			
VINYL SHEET PILE	470	LF	
WATER QUALITY BIORETENTION FILTRATION INLET	1	EA	
STABILIZED CONSTRUCTION ENTRANCE	3	EA	
CLASS 3 EXCAVATION FOR INCIDENTAL CONSTRUCTION	420	CY	
MIX 3 CONCRETE FOR MISCELLANEOUS STRUCTURES	15	LF	
CLEAN EXISTING PIPE ANY SIZE	500	EA	
CLEAN EXISTING DRAINAGE STRUCTURES	2	LF	
12 INCH REINFORCED CONCRETE PIPE, CLASS IV	13	LF	
15 INCH REINFORCED CONCRETE PIPE, CLASS IV	75	LF	
18 INCH REINFORCED CONCRETE PIPE, CLASS IV	92	EA	
5 FOOT COG/COS OPENING	1	EA	
STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE NONTRAFFIC AREAS-MINIMUM DEPTH	3	EA	
STANDARD YARD INLET-MINIMUM DEPTH	1	EA	
STANDARD YARD INLET-VERTICAL DEPTH	2	LF	
48 INCH DIAMETER MANHOLE FOR 12 INCH TO 24 INCH PIPES - MINIMUM DEPTH	2	EA	
72 INCH DIAMETER MANHOLE FOR 42 INCH AND 48 INCH PIPES MINIMUM DEPTH	1	EA	
4 INCH PERFORATED CIRCULAR PIPE LONGITUDINAL UNDERDRAIN	1,125	LF	
4 INCH CIRCULAR PIPE UNDERDRAIN OUTLETS	66	LF	
MOUNTABLE BERM	1	EA	
18 INCH FILTER LOG	106	LF	
12 INCH CLEAR WATER DIVERSION PIPE	118	LF	
EARTH DIKE	36	LF	
INLET PROTECTION	3	EA	
DIVERSION FENCE	1,060	LF	
RIP RAP FOR SEDIMENT CONTROL	12	TON	
2 INCH TO 3 INCH STONE FOR SEDIMENT CONTROL	6	TON	

STRUCTURAL ITEMS			
TIMBER BOARDWALK	1	LS	
TIMBER PILING	12,000	VF	

PAVING ITEMS			
POROUS ASPHALT TRAIL	240	TON	
GEOGRID TYPE A	1,500	SY	
GEOGRID TYPE B	1,500	SY	
SUPERPAVE ASPHALT MIX 9.5MM FOR SURFACE, PG 64S-22, LEVEL 2	137	TON	
SUPERPAVE ASPHALT MIX 19.0MM FOR BASE, PG 64S-22, LEVEL 2	2	TON	
SUPERPAVE ASPHALT MIX 19.0MM FOR FULL-DEPTH PATCH, PG 64S-22, LEVEL 2	35	TON	
PAYMENT ADJUSTMENT FOR PAVEMENT DENSITY	380	EA	
PAYMENT ADJUSTMENT FOR ASPHALT MIXTURE	380	EA	
FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH	825	SY	
4 INCH GRADED AGGREGATE BASE COURSE	85	SY	
6 INCH GRADED AGGREGATE BASE COURSE	275	SY	
BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	20	SF	

SHOULDER ITEMS			
WOODEN HANDRAIL	43	LF	
STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH	690	LF	
5 INCH CONCRETE SIDEWALK	357	SF	
DETECTABLE WARNING SURFACE FOR CURB RAMPS	130	SF	
BRICK SIDEWALK	438	SF	

LANDSCAPING			
TREE PROTECTION FENCING	300	LF	
PLACING FURNISHED SUBSOIL	468	CY	
PLACING SALVAGED TOPSOIL 4 INCH DEPTH	4,426	SY	
PLACING FURNISHED TOPSOIL 4 INCH DEPTH	1,199	SY	
TEMPORARY MULCH	7,559	SY	
TURFGRASS ESTABLISHMENT	7,559	SY	
REFERTILIZING	7,559	SY	
TREE BRANCH PRUNING	1	LS	
TREE ROOT PRUNING	600	LF	
TREE BROADCAST FERTILIZING	167	SY	

TRAFFIC AND UTILITY ITEMS			
WOOD SIGN SUPPORTS 4 INCH X 4 INCH	60	LF	
SHEET ALUMINUM SIGNS	21	SF	
INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)	21	SF	
REMOVE EXISTING GROUND MOUNTED SIGNS	4	SF	
RELOCATE EXISTING GROUND MOUNTED SIGN	3	EA	

QUANTITIES ARE MEASURED
AND PAID FOR BY LUMP SUM.
CONTRACTOR IS RESPONSIBLE
FOR DEVELOPING AND MAINTAINING
QUANTITIES FOR PROGRESS PAYMENTS

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R /W PLAT NUMBER	REVISIONS

ST. MARY'S COLLEGE
OF MARYLAND

ST. MARY'S COLLEGE OF MARYLAND
PEDESTRIAN AND BICYCLE TRAIL PROJECT

MISCELLANEOUS QUANTITY SHEET

SCALE N.T.S. ADVERTISED DATE DEC 2021 CONTRACT NO. SM193B51

DESIGNED BY GGW
DRAWN BY PNK
CHECKED BY ABA
MDE/PRD SEE TITLE SHEET

COUNTY ST. MARY'S
LOGMILE 11.19 TO 11.59
HORIZONTAL SCALE N./A
VERTICAL SCALE N./A

DRAWING NO. QS–01 OF QS–01 | SHEET NO. 20 OF 62

GENERAL NOTES:

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT MANUFACTURER REPRESENTATIVE.
3. WATER QUALITY BIORETENTION FILTRATION INLET SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THE DRAWING.
4. STRUCTURE SHALL MEET PEDESTRIAN LIVE LOAD WITH HS-5 WHEEL LOAD MOUNTING THE CURB AND ADJACENT HS-20 LIVE LOAD SURCHARGE ON THE WALLS OF THE STRUCTURE. ASSUMING EARTH OF 0" AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH MANUFACTURER LOGO.
5. WATER QUALITY BIORETENTION FILTRATION INLET STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-918 LOAD FACTOR DESIGN METHOD.
6. PLANT, MULCH AND DISSIPATION ROCKS SUPPLIED BY MANUFACTURER AND DELIVERED AT THE TIME OF SYSTEM ACTIVATION. PLANT SELECTION SHALL BE DONE BY THE ENGINEER OF RECORD IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
7. ENGINEERED MEDIA, STONE AND UNDERDRAIN SHIPPED INSTALLED.

INSTALLATION NOTES:

A. ANY SUB-BASE, BACKFILL, DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.

B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE WATER QUALITY BIORETENTION FILTRATION INLET STRUCTURE. SPREADER BAR WITH SUFFICIENT CABLE IS REQUIRED FOR SAFETY AND REDUCTION OF DAMAGE TO CONCRETE STRUCTURE.

C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.

D. CONTRACTOR TO SUPPLY AND INSTALL INLET PROTECTON BAR IF REQUIRED BY LOCAL JURISDICTION.

E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT WATER QUALITY BIORETENTION FILTRATION INLET MEDIA BAY FROM CONSTRUCTION-RELATED EROSION RUNOFF.

F. MANUFACTURER IS RESPONSIBLE FOR ACTIVATION OF THE SYSTEM WHICH INCLUDES PLANTING OF THE SPECIFIED PLANT, MULCH INSTALLATION, AND PLACING OF DISSIPATION ROCK. ACTIVATION ONLY OCCURS WHEN THE SITE IS FULLY STABILIZED WITH FINAL PAVEMENT INSTALLED AND SWEPT CLEAN OF CONSTRUCTION SEDIMENT.

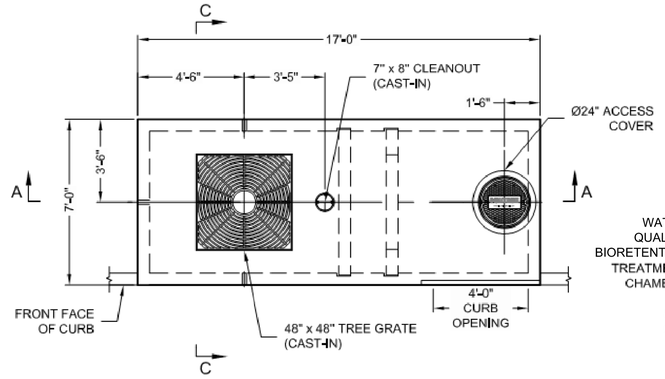
G. ALL WATER QUALITY BIORETENTION FILTRATION INLET UNITS MUST BE WATERED BY IRRIGATION LINES OR SPRINKLER SYSTEMS ON A REGULAR BASIS. WATER QUALITY BIORETENTION FILTRATION INLET UNITS MAY BE EQUIPPED WITH IRRIGATION HOLES FOR NEW OR EXISTING IRRIGATION LINES UPON REQUEST.

STRUCTURE WEIGHT
APPROXIMATE HEAVIEST PICK = TBD LBS.
STRUCTURE IS DELIVERED IN 2 PIECES

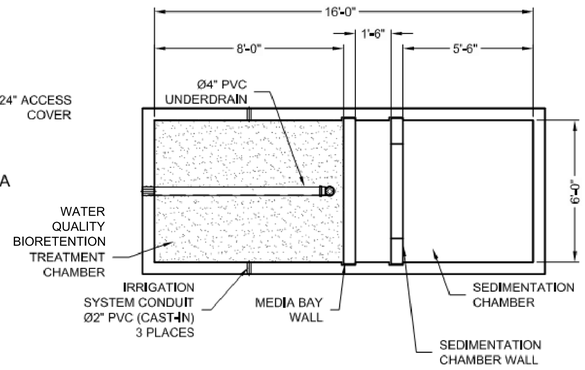
MAX FOOTPRINT= 7' X 17'

MATERIALS LIST

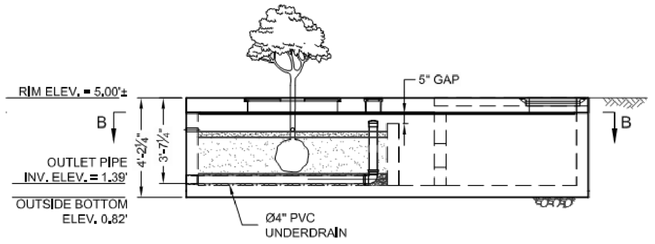
COUNT	DESCRIPTION	INSTALLED BY
1	PLANT, SEE GENERAL NOTE 6	MANUFACTURER
0.44 CY	MULCH, SEE GENERAL NOTE 6	MANUFACTURER
1	ENERGY DISSIPATION ROCK LAYER	MANUFACTURER
2.70 CY	STANDARD WATER QUALITY BIORETENTION FILTRATION INLET	MANUFACTURER
0.89 CY	1/2 #4 ROUND AGGREGATE UNDERDRAIN STONE	MANUFACTURER
1	WATER QUALITY BIORETENTION FILTRATION INLET FLOWKIT	MANUFACTURER
1	48" X 48" TREE GRATE FRAME (CAST-IN). GALV.	MANUFACTURER
1	48" X 48" TREE GRATE WITH 12" OPENING (F)	MANUFACTURER
1	Ø7 X 8" CLEANOUT (F) (CAST-IN)	MANUFACTURER
1	Ø24" X 4" ACCESS FRAME & COVER EJIW #41600389	MANUFACTURER
3	Ø2" PVC IRRIGATION CONDUIT	MANUFACTURER
3	SEALANT FOR JOINTS	CONTRACTOR
6.5 LF	2-1/2" X 2-1/2" X 1/4" CURB NOSING (CAST-IN)	MANUFACTURER



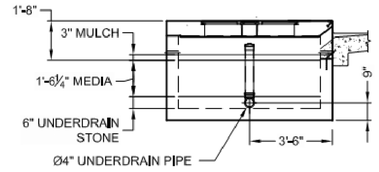
PLAN VIEW



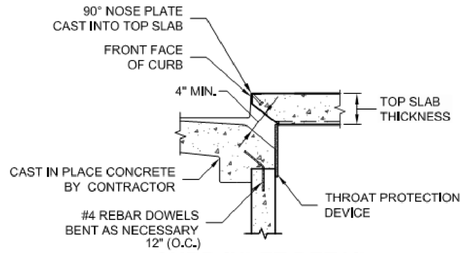
SECTION B-B



SECTION A-A



SECTION C-C



CURB INLET DETAIL

BMP #180994

McCORMICK TAYLOR
509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

BY: ggwissman –

CROSS REFERENCE		R /W PLAT NUMBER	REVISIONS
ITEM	SHEET NOs.		
ABBREVIATIONS /GENERAL NOTES /TYPICAL SECTIONS SHEETS,	2–3		
PAVEMENT, SIDEWALK, & DRIVEWAY DETAIL SHEETS	4–6		
GEOMETRY SHEET	7		
TRAIL PLAN & TRAIL PROFILE SHEETS	8–17		
DRAINAGE DESIGN PROFILE SHEETS	18–19		
MISC. QUANTITY, STORMWATER DETAIL, & AS–BUILST SHEETS	20–22		
EROSION AND SEDIMENT CONTROL NOTES, DETAILS, & PLANS,	23–40		
SIGNING AND PAVEMENT MARKING SHEET	41		
MAINTENANCE OF TRAFFIC NOTES SHEET	42		
BRIDGE, STRUCTURE & BORING SHEETS	43–51		
LANDSCAPE PLAN SHEETS & DETAIL SHEET	52–57		
LIGHTING PLAN SHEETS	58–62		

ST. MARY'S COLLEGE OF MARYLAND

ST. MARY'S COLLEGE OF MARYLAND PEDESTRIAN AND BICYCLE TRAIL PROJECT

STORMWATER DETAIL SHEET

SCALE N.T.S. ADVERTISED DATE DEC 2021 CONTRACT NO. SM193B51

DESIGNED BY GGW COUNTY ST. MARY'S
DRAWN BY PNK LOGMILE 11.19 TO 11.59
CHECKED BY ABA HORIZONTAL SCALE N/A
MDE/PRD SEE TITLE SHEET VERTICAL SCALE N/A

DRAWING NO. SW–01 OF SW–01 SHEET NO. 21 OF 62

PLOTTED: Friday, November 05, 2021 AT 10:09 AM
FILE: \\baserver\Projects\5370 – St. Mary's College\01 – MD 5 – St Mary's College\Design\Engineering\PlanSet\Tepp\Tepp Planset\pSW–D001_MD5_Tepp.dgn

SWM FACILITY AS-BUILT CERTIFICATION DATA TABLE
FOR STORMWATER DEVICES – WATER QUALITY INLET

MAY ONLY BE CERTIFIED BY THE AS-BUILT (AB) INSPECTOR AS REQUIRED BY COMAR 26.17.02.10.

SWM FACILITY NUMBER	*MDE/PRD NUMBER*	*SHA CONTRACT NUMBER*
180994 (WQ Inlet)	18-SF-0058	SM193B21

ACTIVITY	SUPPORTING DOCUMENTATION AND INFORMATION (SUBMIT WITH SWM FACILITY AS-BUILT CERTIFICATION PACKAGE)	DATE(S) OF INSPECTION
OBSERVED EXCAVATION FOR STRUCTURE	☐ PHOTOGRAPHS ☐ INSPECTION REPORT ☐ OTHER (LIST):	
OBSERVED INSTALLATION OF STRUCTURE	☐ PHOTOGRAPHS ☐ INSPECTION REPORT ☐ OTHER (LIST):	
OBSERVED INSTALLATION OF WATER QUALITY INLET MEDIA	☐ PHOTOGRAPHS ☐ INSPECTION REPORT ☐ OTHER (LIST):	
OBSERVED PLACEMENT OF BACKFILL AROUND STRUCTURE	☐ PHOTOGRAPHS ☐ INSPECTION REPORT ☐ OTHER (LIST):	

FEATURE	DESIGN	AS-BUILT	DIFFERENCE
FACILITY WIDTH (FT)	7.0		
FACILITY LENGTH (FT)	17.0		
TOP ELEVATION (FT)	5.20		
INVERT OUT ELEVATION (FT)	1.39		
THICKNESS OF MULCH (IN)	3		
THICKNESS OF MEDIA (IN)	18.25		

SWM FACILITY AS-BUILT CERTIFICATION ACCEPTANCE

APPROVING AUTHORITY: ☐ MDE ☐ PRD

ACCEPTED BY: _____ *(NAME)*

DATE: _____

REVISED 07-16-2018

STORM WATER MANAGEMENT AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE STORMWATER MANAGEMENT FACILITY (FACILITIES) SHOWN ON THE PLANS AND INDIVIDUALLY IDENTIFIED BELOW HAS (HAVE) BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS INCLUDED UNDER THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, NUMBER 18 - SF - 0058 EXCEPT AS NOTED IN GREEN ON THE "AS-BUILT" DRAWINGS. FURTHERMORE, THE GREEN-NOTED EXCEPTIONS DO NOT ADVERSELY AFFECT THE DESIGN AND/OR THE INTENDED PERFORMANCE OF THE FACILITY (FACILITIES).

BMP #180994

EACH SWM FACILITY IS IDENTIFIED INDIVIDUALLY BY A UNIQUE SWM FACILITY NUMBER

Name (Printed) _____ Signature _____

Maryland Registration Number _____ Date _____

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. _____, EXPIRATION DATE_____."

"CERTIFY" MEANS TO STATE OR DECLARE A PROFESSIONAL OPINION BASED ON SUFFICIENT AND APPROPRIATE ONSITE INSPECTIONS AND MATERIAL TESTS CONDUCTED DURING CONSTRUCTION.
NOTE: AS-BUILT CHECKLISTS CONTAINED IN THE CONTRACT DRAWINGS SHALL BE COMPLETED BY THE AS-BUILT INSPECTOR AND SUBMITTED TO THE SHA ALONG WITH THIS CERTIFICATION.

McCORMICK TAYLOR
509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

BY: ggwissman –

PLOTTED: Friday, November 05, 2021 AT 10:10 AM
FILE: \\baserver\Projects\5370 – St. Mary's College\01 – MD 5 – St Mary's College\Design\Engineering\PlanSet\Tepp\Tepp Planset\pAB-P001_MD5_Tepp.dgn

CROSS REFERENCE

ITEM	SHEET NOs.
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R /W PLAT NUMBER

REVISIONS

ST. MARY'S COLLEGE OF MARYLAND

ST. MARY'S COLLEGE OF MARYLAND
PEDESTRIAN AND BICYCLE TRAIL PROJECT

STORMWATER MANAGEMENT AS–BUILTS SHEET

SCALE N.T.S. ADVERTISED DATE DEC 2021 CONTRACT NO. SM193B51

DESIGNED BY ASS COUNTY ST. MARY'S

DRAWN BY PNK LOGMILE 11.19 TO 11.59

CHECKED BY NH HORIZONTAL SCALE N./A

MDE/PRD SEE TITLE SHEET VERTICAL SCALE N./A

DRAWING NO. AB–01 OF AB–01 SHEET NO. 22 OF 62

EROSION AND SEDIMENT CONTROL – GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY MDE AT (410) 537-3510 SEVEN (7) DAYS BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY AND, UNLESS WAIVED BY MDE, SHALL BE REQUIRED TO HOLD A PRE-CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES AND A REPRESENTATIVE OF MDE.

2. THE CONTRACTOR SHALL NOTIFY MDE IN WRITING AND BY TELEPHONE AT THE FOLLOWING POINTS:
A. THE REQUIRED PRE-CONSTRUCTION MEETING.
B. FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES.
C. DURING THE INSTALLATION OF SEDIMENT BASINS (TO BE CONVERTED INTO PERMANENT STORMWATER MANAGEMENT STRUCTURES) AT THE REQUIRED INSPECTION POINTS (SEE INSPECTION CHECKLIST ON PLAN). NOTIFICATION PRIOR TO COMMENCING CONSTRUCTION OF EACH STEP IS MANDATORY.
D. PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S).
E. PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES.
F. PRIOR TO FINAL ACCEPTANCE.

3. THE PLAN APPROVAL LETTER, APPROVED EROSION AND SEDIMENT CONTROL PLANS, DAILY LOG BOOKS, AND TEST REPORTS SHALL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS OF MDE AND THE AGENCY RESPONSIBLE FOR THE PROJECT.

4. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE AND SHALL HAVE THEM INSPECTED AND APPROVED BY THE MDE INSPECTOR PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. MINOR SEDIMENT CONTROL DEVICE LOCATION ADJUSTMENTS MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE MDE INSPECTOR. THE CONTRACTOR 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 MDE INSPECTOR. THE CONTRACTOR SHALL OBTAIN PRIOR AGENCY AND MDE APPROVAL FOR MODIFICATIONS TO THE EROSION AND SEDIMENT CONTROL PLAN AND/OR SEQUENCE OF CONSTRUCTION.

5. THE MDE INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SAFETY OR SEDIMENT CONTROL MEASURES, IF DEEMED NECESSARY.

6. THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. ALL MATERIALS DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.

7. THE CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIME AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM THE MDE INSPECTOR.

8. EROSION AND SEDIMENT CONTROL FOR UTILITY CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH APPROVED PLANS. UTILITY CONSTRUCTION SHALL ONLY BE FOR AREAS WITHIN THE DELINEATED LIMIT OF DISTURBANCE. CALL MISS UTILITY AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK. WHEN SAME DAY STABILIZATION IS APPROVED:
A. EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
B. TRENCHES FOR UTILITY INSTALLATION SHALL BE BACKFILLED, COMPACTED, AND STABILIZED AT THE END OF EACH WORKING DAY. NO MORE TRENCH SHALL BE OPENED THAN CAN BE COMPLETED THE SAME DAY.

9. ALL WATER REMOVED FROM EXCAVATED AREAS SHALL BE PASSED THROUGH AN MDE APPROVED DEWATERING PRACTICE OR PUMPED TO A SEDIMENT TRAP OR BASIN PRIOR TO DISCHARGE TO A FUNCTIONAL STORM DRAIN SYSTEM OR TO STABLE GROUND SURFACE.

10. CONCRETE WASHOUT STRUCTURES SHALL BE USED WHEN CONCRETE TRUCKS, DRUMS, PUMPS, CHUTES, OR OTHER EQUIPMENT IS RINSED OR CLEANED ON-SITE.

11. CONSTRUCTION ACTIVITIES PRODUCING DUST SHALL IMPLEMENT CONTROL MEASURES TO AVOID THE SUSPENSION OF DUST PARTICLES AND/OR PREVENT DUST FROM BLOWING OFF-SITE OR TO AREAS WITHOUT TREATMENT.

12. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
A. THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, 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.

13. VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE 2011 MARYLAND AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. REFER TO APPROPRIATE SPECIFICATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SODDING, AND GROUND COVERS.

14. WHEN SEEDING, ALL DISTURBED AREAS WITH SLOPES FLATTER THAN 2:1 SHALL BE STABILIZED WITH 4 INCHES OF TOPSOIL, SEED, AND MULCH. ALL DISTURBED AREAS WITH SLOPES 2:1 OR STEEPER SHALL BE STABILIZED WITH MATTING OVER 2 INCHES OF TOPSOIL AND SEED.

15. ALL SEDIMENT BASINS, TRAP EMBANKMENTS AND SLOPES, PERIMETER DIKES, SWALES AND ALL DISTURBED SLOPES STEEPER OR EQUAL TO 3:1 SHALL BE STABILIZED WITH SEED AND ANCHORED STRAW MULCH, SOD, OR OTHER APPROVED STABILIZATION MEASURES, AS SOON AS POSSIBLE BUT NO LATER THAN THREE (3) CALENDAR DAYS AFTER ESTABLISHMENT. ALL AREAS DISTURBED OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM SHALL BE MINIMIZED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

16. PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITH SEED AND AN APPROVED EROSION CONTROL MATTING, SOD, RIP-RAP, OR OTHER APPROVED STABILIZATION MEASURES.

17. FOR STOCKPILE SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), THE CONTRACTOR SHALL APPLY SEED AND ANCHORED STRAW MULCH, SOD, OR OTHER APPROVED STABILIZATION MEASURES TO THE FACE OF THE STOCKPILE WITHIN THREE (3) CALENDAR DAYS OF ACTIVITY HAVING CEASED ON THE RESPECTIVE FACE. FOR SLOPES 3:1 OR FLATTER, THE CONTRACTOR SHALL APPLY STABILIZATION MEASURES TO THE FACE OF THE STOCKPILE WITHIN SEVEN (7) CALENDAR DAYS OF ACTIVITY HAVING CEASED ON THE RESPECTIVE FACE. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

18. FOR FINISHED GRADING, THE CONTRACTOR SHALL PROVIDE ADEQUATE GRADIENTS TO PREVENT WATER FROM PONDING FOR MORE THAN TWENTY-FOUR (24) HOURS AFTER THE END OF A RAINFALL EVENT. DRAINAGE COURSES AND SWALE FLOW AREAS MAY TAKE AS LONG AS FORTY-EIGHT (48) HOURS AFTER THE END OF A RAINFALL EVENT TO DRAIN. AREAS DESIGNED TO HAVE STANDING WATER SHALL NOT BE REQUIRED TO MEET THIS REQUIREMENT.

19. WHERE DEEMED APPROPRIATE BY THE ENGINEER OR INSPECTOR, SEDIMENT BASINS AND TRAPS MAY NEED TO BE SURROUNDED WITH AN APPROVED SAFETY FENCE. THE FENCE MUST CONFORM TO LOCAL ORDINANCES AND REGULATIONS. THE DEVELOPER OR OWNER SHALL CHECK WITH LOCAL BUILDING OFFICIALS ON APPLICABLE SAFETY REQUIREMENTS. WHERE SAFETY FENCE IS DEEMED APPROPRIATE AND LOCAL ORDINANCES DO NOT SPECIFY FENCING SIZES AND TYPES, THE FOLLOWING SHALL BE USED AS A MINIMUM: THE SAFETY FENCE SHALL BE MADE OF WELDED WIRE AND AT LEAST 42 INCHES HIGH, HAVE POSTS SPACED NO FARTHER APART THAN 8 FEET, HAVE MESH OPENINGS NO GREATER THAN 2 INCHES IN WIDTH AND 4 INCHES IN HEIGHT WITH A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE SHALL BE MAINTAINED AND IN GOOD CONDITION AT ALL TIMES.

20. ALL SEDIMENT TRAP DEPTH DIMENSIONS ARE RELATIVE TO THE OUTLET ELEVATION. ALL TRAPS SHALL HAVE A STABLE OUTFALL. ALL TRAPS AND BASINS SHALL HAVE STABLE INFLOW POINTS.

21. SEDIMENT SHALL BE REMOVED AND THE TRAP OR BASIN RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE QUARTER OF THE TOTAL DEPTH OF THE TRAP OR BASIN. TOTAL DEPTH SHALL BE MEASURED FROM THE TRAP OR BASIN BOTTOM TO THE CREST OF THE OUTLET.

22. SEDIMENT REMOVED FROM TRAPS (AND BASINS) SHALL BE PLACED AND STABILIZED IN APPROVED AREAS, BUT NOT WITHIN A FLOODPLAIN, WETLAND OR TREE-SAVE AREA. WHEN PUMPING SEDIMENT LADEN WATER, THE DISCHARGE SHALL BE DIRECTED TO AN MDE APPROVED SEDIMENT TRAPPING DEVICE PRIOR TO RELEASE FROM THE SITE. A SUMP PIT MAY BE USED IF SEDIMENT TRAPS THEMSELVES ARE BEING PUMPED OUT.

23. PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES, THE CONTRACTOR SHALL STABILIZE AND HAVE ESTABLISHED PERMANENT STABILIZATION FOR ALL CONTRIBUTORY DISTURBED AREAS USING SOD OR AN APPROVED PERMANENT SEED MIXTURE WITH REQUIRED SOIL AMENDMENTS AND AN APPROVED ANCHORED MULCH. WOOD FIBER MULCH MAY ONLY BE USED IN SEEDING SEASON WHERE 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 AS SOON AS POSSIBLE, BUT NOT LATER THAN THREE (3) CALENDAR DAYS AFTER ESTABLISHMENT FOR SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND SEVEN (7) CALENDAR DAYS FOR FLATTER SLOPES. WHEN PROPERTY IS BROUGHT TO FINISHED GRADE DURING THE MONTHS OF NOVEMBER THROUGH FEBRUARY, AND PERMANENT STABILIZATION IS FOUND TO BE IMPRACTICAL, TEMPORARY SEED AND ANCHORED STRAW MULCH SHALL BE APPLIED TO DISTURBED AREAS. THE FINAL PERMANENT STABILIZATION OF SUCH PROPERTY SHALL BE APPLIED BY MARCH 15 OR EARLIER IF GROUND AND WEATHER CONDITIONS ALLOW.

24. TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE REMOVED WITH PERMISSION OF THE MDE INSPECTOR WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. UPON REMOVAL OF SEDIMENT CONTROL DEVICES, THE AREA DISTURBED BY REMOVAL SHALL BE STABILIZED WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED, WITHIN 24 HOURS OF SAID REMOVAL. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO THE PERMANENT CONFIGURATION WITHIN THIS TIME PERIOD AS WELL.

25. OFF-SITE SPOIL OR BORROW AREAS ON STATE OR FEDERAL PROPERTY SHALL HAVE PRIOR APPROVAL BY MDE AND OTHER APPLICABLE STATE, FEDERAL, AND LOCAL AGENCIES; OTHERWISE APPROVAL SHALL BE GRANTED BY THE LOCAL AUTHORITIES. ALL WASTE AND BORROW AREAS OFF-SITE SHALL BE PROTECTED BY SEDIMENT CONTROL MEASURES AND STABILIZED.

26. SITE INFORMATION:
A. AREA DISTURBED 1.56 ACRES ACRES
B. TOTAL CUT 910 (CUT) CUBIC YARDS
C. TOTAL FILL 170 (FILL) CUBIC YARDS
D. OFF-SITE WASTE / BORROW AREA LOCATION

OFF-SITE BORROW OR WASTE SITES REQUIRE LOCAL COUNTY AND SOIL CONSERVATION DISTRICT APPROVALIF LOCATED ON LOCAL OR PRIVATE PROPERTY OR MDE/WMA APPROVAL IF ON STATE OR FEDERAL PROPERTY. LOCAL PERMIT NUMBERS SHALL BE FURNISHED TO THE MDE/WMA INSPECTOR

B. STABILIZATION NOTE

STABILIZATION NOTE
FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

C. OWNER'S/DEVELOPER'S CERTIFICATION

OWNER'S / DEVELOPER'S CERTIFICATION

I / WE HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION, AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I/WE HEREBY AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY APPROPRIATE INSPECTION AND ENFORCEMENT AUTHORITY OR THE STATE OF MARYLAND, DEPARTMENT OF THE ENVIRONMENT. I/WE HEREBY CERTIFY THAT STORMWATER MANAGEMENT FACILITIES WILL BE MAINTAINED IN ACCORDANCE WITH APPROVED PLANS.

12/9/2020
DATE

OWNER / DEVELOPER SIGNATURE

RESPONSIBLE PERSONNEL CERTIFICATION NO.

Maurice Z. Schlesinger, Director of Facilities Planning
PRINTED NAME AND TITLE

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II INCLUDING SUPPLEMENTS, THE ENVIRONMENT ARTICLE SECTIONS 4-101 THROUGH 116 AND SECTIONS 4-201 AND 215, AND THE CODE OF MARYLAND REGULATIONS (COMAR) 26.17.01 AND COMAR 26.17.02 FOR EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT, RESPECTIVELY.

07/05/2023
DATE

DESIGNER'S SIGNATURE

32013
MD. REGISTRATION NO.
(P.E.), R.L.S., RLA, OR R.A. (CIRCLE ONE)

AMY HRIBAR
PRINTED NAME

McCORMICK TAYLOR
509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

R /W PLAT NUMBER	REVISIONS

ST. MARY'S COLLEGE OF MARYLAND

ST. MARY'S COLLEGE OF MARYLAND
PEDESTRIAN AND BICYCLE TRAIL PROJECT

EROSION & SEDIMENT CONTROL GENERAL NOTES

SCALE N.T.S. ADVERTISED DATE DEC 2021 CONTRACT NO. SM193B51

DESIGNED BY ACF
DRAWN BY PNK
CHECKED BY JMH
MDE/PRD SEE TITLE SHEET

COUNTY ST. MARY'S
LOGMILE 11.19 TO 11.59
HORIZONTAL SCALE N./A
VERTICAL SCALE N./A

DRAWING NO. EN-01 OF EN-05
SHEET NO. 23 OF 62

BY: ggwissman –

PLOTTED: Friday, November 05, 2021 AT 10:10 AM
FILE: \\basever\Projects\5370 – St. Mary's College\01 – MD 5 – St Mary's College\Design\Engineering\PlanSet\Tepp\Tepp Planset\pES-N001_MD5_Tepp.dgn

EROSION AND SEDIMENT CONTROL – GENERAL NOTES CONTINUED

BEST MANAGEMENT PRACTICES FOR WORKING IN NONTIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS, AND 100-YEAR FLOODPLAINS

1) NO EXCESS FILL, CONSTRUCTION MATERIAL, OR DEBRIS SHALL BE STOCKPILED OR STORED IN NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 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 NONTIDAL WETLANDS, NONTIDAL 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 NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
5) REPAIR AND MAINTAIN ANY SERVICEABLE STRUCTURE OR FILL SO THERE IS NO PERMANENT LOSS OF NONTIDAL WETLANDS, NONTIDAL 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 NONTIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS, OR 100-YEAR FLOODPLAIN TEMPORARILY IMPACTED BY ANY CONSTRUCTION.
7) ALL STABILIZATION IN THE NONTIDAL WETLAND AND NONTIDAL WETLAND BUFFER SHALL CONSIST OF THE FOLLOWING SPECIES: ANNUAL RYEGRASS (LOLIUM MULTIFLORUM), MILLET (SETARIA ITALICA), BARLEY (HORDEUM SP.), OATS (UNIOLA SP.), AND/OR 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 NONTIDAL 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 NOT BE CONDUCTED DURING THE PERIOD MARCH 1 THROUGH JUNE 15, INCLUSIVE, DURING ANY YEAR.
   USE III WATERS: IN-STREAM WORK SHALL NOT BE CONDUCTED DURING THE PERIOD OCTOBER 1 THROUGH APRIL 30, INCLUSIVE, DURING ANY YEAR.
   USE IV WATERS: IN-STREAM WORK SHALL NOT BE CONDUCTED DURING THE PERIOD MARCH 1 THROUGH MAY 31, 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.

STANDARD SYMBOLS

AT-GRADE INLET PROTECTION	AGIP	SILT FENCE	SF
BAFFLE BOARDS	BB	SILT FENCE ON PAVEMENT	SFOP
CATCH BASIN INSERT	CBI	SOD	
CLEAR WATER DIVERSION PIPE	CWD - 12 NOTE: DESIGNATION CWD-12 REFERS TO CLEAR WATER DIVERSION WITH 12 INCH PIPE.	STABILIZED CONSTRUCTION ENTRANCE	SCE
COMBINATION INLET PROTECTION	COIP	STANDARD INLET PROTECTION	SIP
CURB INLET PROTECTION	CIP	STOCKPILE AREA	
DIVERSION FENCE	DF	STONE CHECK DAM	CD
EARTH DIKE	A-1 PLACE DESIGNATION (A-1, B-2, etc.) ON FLOW CHANNEL SIDE OF DIKE.	STONE/RIPRAP OUTLET SEDIMENT TRAP ST II	ST-II
EMERGENCY SPILLWAY	ES	SUBSURFACE DRAINS	SSD
FILTER BAG	FB	SUMP PIT	SP
FILTER BERM	FB-A / FB-B	SUPER SILT FENCE	SSF
FILTER LOG	FL-18 NOTE: DESIGNATION FL-18 REFERS TO FILTER LOG WITH 18 INCH DIAMETER.	TEMPORARY ACCESS CULVERT	
GABION INFLOW PROTECTION	GP	TEMPORARY ASPHALT BERM	TAB
GABION INLET PROTECTION	GIP	TEMPORARY BARRIER DIVERSION	TBD
LIMIT OF DISTURBANCE	LOD	TEMPORARY GABION OUTLET STRUCTURE	TGOS
MEDIAN INLET PROTECTION	MIP	TEMPORARY SOIL STABILIZATION MATTING-TYPE A	
MEDIAN SUMP INLET PROTECTION	MSIP	TEMPORARY SOIL STABILIZATION MATTING-TYPE B	
MOUNTABLE BERM	MB	TEMPORARY SOIL STABILIZATION MATTING-TYPE D	
PERIMETER DIKE/SWALE	PDS-I	TEMPORARY STONE OUTLET STRUCTURE	TSOS
PERMANENT SOIL STABILIZATION MATTING-TYPE B		TEMPORARY SWALE	A-I PLACE DESIGNATION (A-I, B-2, etc.) ON FLOW CHANNEL SIDE OF SWALE.
PERMANENT SOIL STABILIZATION MATTING-TYPE C		WASH RACK OPTION	WR
PIPE OUTLET SEDIMENT TRAP ST I	ST-I	CHESAPEAKE BAY CRITICAL AREA	CBCA
PIPE SLOPE DRAIN	PSD - 12 NOTE: DESIGNATION PSD-12 REFERS TO PIPE SLOPE DRAIN WITH 12 IN PIPE	DRAINAGE BOUNDARY	DA
PLUNGE POOL	PP	EXISTING CONTOURS	100
PORTABLE SEDIMENT TANK	PST	PROPOSED CONTOURS	100
REMOVABLE PUMPING STATION	RPS	TREE PROTECTION FENCE	TPF
RIPRAP INFLOW PROTECTION	RRP	WETLAND	
RIPRAP OUTLET SEDIMENT TRAP ST III	ST-III	WETLAND BUFFER	B
ROCK OUTLET PROTECTION I	ROPI	100-YEAR FLOODPLAIN	
ROCK OUTLET PROTECTION II	ROPII		
ROCK OUTLET PROTECTION III	ROPIII		

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R /W PLAT NUMBER	REVISIONS

ST. MARY'S COLLEGE OF MARYLAND

ST. MARY'S COLLEGE OF MARYLAND
PEDESTRIAN AND BICYCLE TRAIL PROJECT

EROSION & SEDIMENT CONTROL GENERAL NOTES

SCALE N.T.S. ADVERTISED DATE DEC 2021 CONTRACT NO. SM193B51

DESIGNED BY ACF
DRAWN BY PNK
CHECKED BY JMH
MDE/PRD SEE TITLE SHEET

COUNTY ST. MARY'S
LOGMILE 11.19 TO 11.59
HORIZONTAL SCALE N./A
VERTICAL SCALE N./A

DRAWING NO. EN-02 OF EN-05 | SHEET NO. 24 OF 62

BY: ggwissman –

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