

LOCATION PLAN
SCALE 1" = 40'
NORTH

EXISTING SWM STRUCTURE SCHEDULE							
TYPE-NUMBER	RIM ELEV.	INV. IN	INV. IN	INV. IN	INV. DUT	INV. DUT	INV. DUT
PIPE ENT ①	191.95	(48°) 189.91	(15°) 189.91	(48°) 189.13	(48°) 189.13	(48°) 189.13	(48°) 189.13
PIPE ENT ②	191.95	(48°) 189.13	(15°) 189.91	(15°) 189.91	(48°) 189.13	(48°) 189.13	(48°) 189.13
HEADWALL/PIPE ENT ③	186.05	(48°) 179.53	(48°) 179.53	(15°) 182.52	(48°) 177.81	(48°) 177.81	(48°) 177.81
MAN ④	186.21	(48°) 178.51	(48°) 178.51	(48°) 178.51	(48°) 177.85	(48°) 177.85	(48°) 177.85
CS ⑤	183.86	(45°) 174.00	(45°) 174.00	(45°) 174.00	(45°) 173.00	(45°) 173.00	(45°) 173.00
PIPE CONNECTION ⑥		(45°) 174.00	(45°) 174.00	(45°) 174.00	(45°) 174.00	(45°) 174.00	(45°) 174.00
PIPE OUTFALL ⑦		(45°) 173.31	(45°) 173.31	(45°) 173.31	(45°) 173.31	(45°) 173.31	(45°) 173.31

- ① HEADWALL TO BE INSTALLED AT END OF EXISTING 48" RCP DEBRIS GATE TO BE ATTACHED TO NEW HEADWALL OVER EXISTING 48" RCP TO PROTECT THE PIPE NETWORK
- ② EXISTING BURIED MANHOLE TO BE UNCOVERED, NEW RISER, TOP AND COVER TO BE INSTALLED TO PROVIDE ACCESS TO ALL DEBRIS AND WADING PER CHARLES COUNTY STANDARDS
- ③ AREA OF FAILED 72" CIP PIPE TO BE REMOVED AND REPLACED. REMOVE SECTION TO EXISTING 72" CIP TO EXISTING RISING WITH PROPER COUSING SYSTEM AS PER MANUFACTURERS SPECIFICATIONS. NEW CONNECTION SHALL BE WATER TIGHT AND STRUCTURALLY SOUND. CONNECTION SHALL BE TO EXISTING 72" CIP AND APPROXIMATE 10'-0" FROM EXISTING MANUFACTURER'S SPECIFICATIONS FOR PIPE INSTALLATION. DRIVEWAYS SHALL BE REPAIRED TO CHARLES COUNTY STANDARDS WITH CORRESPONDING MATERIALS (SEE SHEET 7 FOR DETAILS)
- ④ MANHOLE OUTFALL TO BE BLOKED DURING REHABILITATION OF 72" CIP. CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY DEWATER THE MANHOLE AND PUMP THE RUNOFF TO THE STREET. THIS MANHOLE IS TO REMAIN AS IS. THE CIP AND APPROXIMATE 10'-0" FROM EXISTING MANHOLE SHALL BE REHABILITATED TO AS-BUILT STANDARDS. SUFFICIENT CAPACITY TO CONVERT FLOWS SHOULD ANY RAIN EVENT(S) OCCUR.
- ⑤ AREA OF PROPOSED RCP-RAP OUTFALL PROTECTION, EXISTING VEGETATION AND DEBRIS TO BE REMOVED, AND AREA GRADDED PRIOR TO INSTALLATION OF 8" LONG, 17" WIDE, 3" DEEP CURB. APPROXIMATE 60' L.O. OF 72" CIP TO BE LINED BY MEANS OF 72" CIP OR 8" SPIRAL WOUND LINER PIPE AND GROUT IN ACCORDANCE WITH CIP SPECIFICATIONS OR SPIRAL LINER DETAILS ON SHEET 6.

OVERVIEW OF WORK TO BE PERFORMED
(SEE SEQUENCE OF CONSTRUCTION, SHEET 7)

SEE SHEET 8 FOR HEADWALL, DEBRIS GATE AND WETLANDS IMPACTS PLAN AND DETAILS.

SEE SHEET 3 FOR TEMPORARY STAGING, ACCESS ROAD AND WETLANDS IMPACTS PLAN AND DETAILS.



PROFESSIONAL CERTIFICATIONS:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND, LICENSE NO. 155420, EXPIRATION DATE: 11/27/2022.

CHARLES COUNTY GOVERNMENT
DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT
DEVELOPMENT SERVICES DEPARTMENT

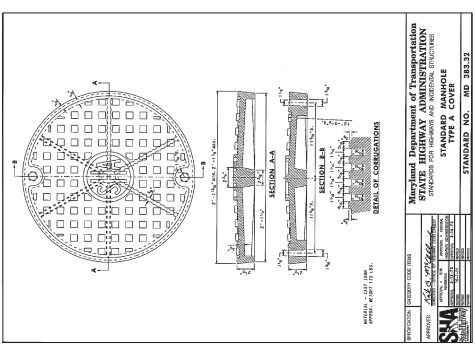
CONSTRUCTION CONDITIONS	REMARKS OR NOTES
GRADING	AS-BUILT
ROADS	AS-BUILT
SYSTEM DRAINAGE	AS-BUILT
UTILITY	AS-BUILT
WATER	AS-BUILT
SEWER	AS-BUILT
OTHER	AS-BUILT
SOILS	AS-BUILT

DATE	DATE
	09-060
	PROJECT NO.
	DOGWOOD.dwg
	FILE NAME
	09/07/20
	DATE
	AS SHOWN
	SHEET NO. 2

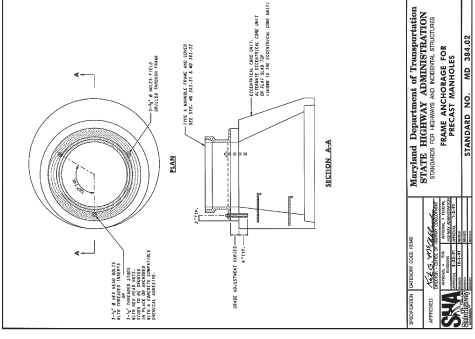
VISTA DESIGN, INC.
Landscape Architecture, Land Planning, Consultants, Engineers & Surveyors
1104 Hickman Ave., Suite 102, 21284
P.O. Box 440302, Silver Spring, MD 20903

SITE PLAN

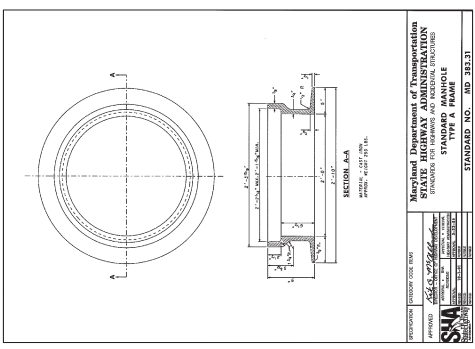
REV. NO.	DATE	CONSTRUCTION REVISION



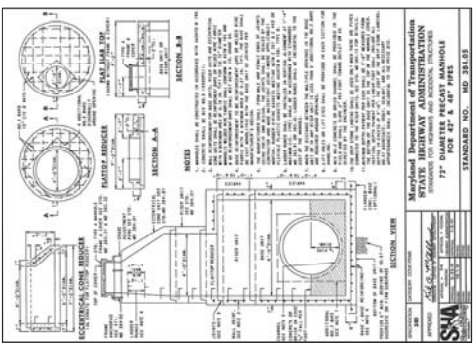
Maryland Department of Transportation
STANDARD DRAWING
FOR HIGHWAY AND MAINTENANCE DISTRICTS
STANDARD NO. MD 383.32
SM



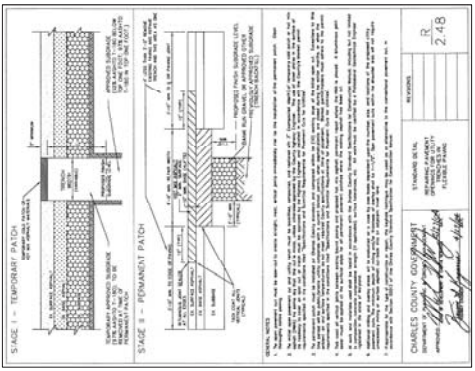
Maryland Department of Transportation
STANDARD DRAWING
FOR HIGHWAY AND MAINTENANCE DISTRICTS
STANDARD NO. MD 384.32
SM



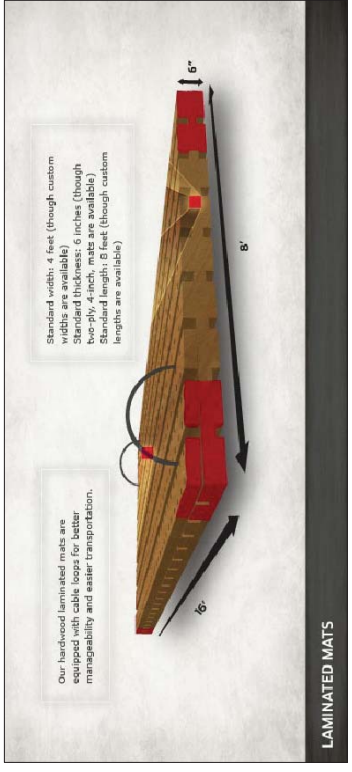
Maryland Department of Transportation
STANDARD DRAWING
FOR HIGHWAY AND MAINTENANCE DISTRICTS
STANDARD NO. MD 383.31
SM



Maryland Department of Transportation
STANDARD DRAWING
FOR HIGHWAY AND MAINTENANCE DISTRICTS
STANDARD NO. MD 381.85
SM



Maryland Department of Transportation
STANDARD DRAWING
FOR HIGHWAY AND MAINTENANCE DISTRICTS
STANDARD NO. MD 2-48
SM



LAMINATED MATS

TIMBER MATS OR APPROVED EQUAL TO BE UTILIZED FOR TEMPORARY ACCESS ROADS.
TEMPORARY CONSTRUCTION ACCESS ROAD TO BE CONSTRUCTED OF TIMBER OR COMPOSITE MAT MATERIAL, WITH AN ALLOWABLE IMPACT AREA OF UP TO 48" BY 6". BE ALLOWED AND INSTALLED IN AREAS OF ENVIRONMENTAL SENSITIVITY AND SHALL BE REMOVED THROUGHOUT THE PROJECT. THE MATS SHALL BE INSTALLED WITH A MINIMUM 2" GAP BETWEEN MATS TO PERMIT DRAINAGE. MATS SHALL BE ELEVATED TO THE SURFACE OF THE EXISTING ROAD AND SHALL BE ELEVATED TO THE SURFACE OF THE EXISTING ROAD AND SHALL BE ELEVATED TO THE SURFACE OF THE EXISTING ROAD. THE MATS SHALL BE ELEVATED TO THE SURFACE OF THE EXISTING ROAD AND SHALL BE ELEVATED TO THE SURFACE OF THE EXISTING ROAD. THE MATS SHALL BE ELEVATED TO THE SURFACE OF THE EXISTING ROAD AND SHALL BE ELEVATED TO THE SURFACE OF THE EXISTING ROAD.



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 111488 EXP. DATE 12/31/2022

ROAD TYPE	CONSTRUCTION CONDITIONS			
	CONSTRUCTION	AS-BUILT	CONSTRUCTION	AS-BUILT
GRAVING				
ROADS				
STORM DRAINAGE				
UTILITY				
WATER				
SEWER				
OTHER				
SOUND				

CHARLES COUNTY GOVERNMENT
DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT
DEVELOPMENT SERVICES DEPARTMENT

PROJECT DATA	PROJECT NO.
DESIGNED BY	09-060
DRAWN BY	CHARLES COUNTY
DATE	DOGWOOD.dwg
TITLE	DOGWOOD.dwg
DATE	05-11-20
SCALE	AS SHOWN
SHEET NO.	5

CONSTRUCTION REVISION	DATE

REV NO.	DATE

DETAILS

VISTA DESIGN, INC.
Landscape Architects, Land Planning Consultants, Engineers & Surveyors
1104 William Ste. North, MD 21864
PH: 410-524-6197

NOTE: SHOWN DETAILS PROVIDED AS A COURTESY. CONTRACTOR SHALL CONFIRM AND USE LATEST DETAILS AND METHODS.

CHARLES SOIL CONSERVATION DISTRICT DETAILS AND SPECIFICATIONS FOR TOPOSOIL

215 STABILIZATION PREPARATION FOR TOPSOIL
REMOVAL OF TOPOSOIL OVER A PREPARED SUBSTRATE FOR ESTABLISHMENT OF PERMANENT VEGETATION
REMOVAL OF TOPOSOIL OVER A PREPARED SUBSTRATE FOR ESTABLISHMENT OF PERMANENT VEGETATION

FOR USE AS TOPSOIL, THE SOIL MUST BE FREE OF STONES, LIMESTONE, LIMESTONE FRAGMENTS, OR OTHER FOREIGN MATERIALS THAT WOULD BE HARMFUL TO PLANTS OR ANIMALS. THE SOIL MUST BE FREE OF STONES, LIMESTONE, LIMESTONE FRAGMENTS, OR OTHER FOREIGN MATERIALS THAT WOULD BE HARMFUL TO PLANTS OR ANIMALS.

FOR USE AS TOPSOIL, THE SOIL MUST BE FREE OF STONES, LIMESTONE, LIMESTONE FRAGMENTS, OR OTHER FOREIGN MATERIALS THAT WOULD BE HARMFUL TO PLANTS OR ANIMALS. THE SOIL MUST BE FREE OF STONES, LIMESTONE, LIMESTONE FRAGMENTS, OR OTHER FOREIGN MATERIALS THAT WOULD BE HARMFUL TO PLANTS OR ANIMALS.



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF VIRGINIA.

CHARLES COUNTY GOVERNMENT
DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT
DEVELOPMENT SERVICES DEPARTMENT

Table with 2 columns: REMARKS OR CONDITIONS, DATE. Rows include AS-BUILT CONSTRUCTION, CONSTRUCTION, etc.

Table with 2 columns: PROJECT DATA, DATE. Includes PROJECT NO. 09-060, DRAWN BY CHARLES COUNTY, etc.

CHARLES SOIL CONSERVATION DISTRICT DETAILS AND SPECIFICATIONS FOR VEGETATIVE ESTABLISHMENT

VEGETATIVE ESTABLISHMENT SHALL BE COMPLETED WITHIN SEVEN (7) DAYS OF THE DATE OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

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CHARLES COUNTY GOVERNMENT
DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT
DEVELOPMENT SERVICES DEPARTMENT

Table with 2 columns: REMARKS OR CONDITIONS, DATE. Rows include AS-BUILT CONSTRUCTION, CONSTRUCTION, etc.

Table with 2 columns: PROJECT DATA, DATE. Includes PROJECT NO. 09-060, DRAWN BY CHARLES COUNTY, etc.

SEQUENCE OF CONSTRUCTION

1. CONTRACTOR MUST NOTIFY THE CHARLES COUNTY SEWER CONTROL INSPECTOR AT (703) 645-0700 AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

2. CONTRACTOR MUST NOTIFY THE CHARLES COUNTY SEWER CONTROL INSPECTOR AT (703) 645-0700 AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

3. CONTRACTOR MUST NOTIFY THE CHARLES COUNTY SEWER CONTROL INSPECTOR AT (703) 645-0700 AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

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CHARLES COUNTY GOVERNMENT
DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT
DEVELOPMENT SERVICES DEPARTMENT

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Table with 2 columns: PROJECT DATA, DATE. Includes PROJECT NO. 09-060, DRAWN BY CHARLES COUNTY, etc.

DETAIL 25 - SUPER SILT FENCE

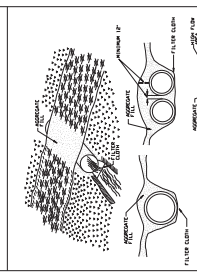


Table with 2 columns: MATERIALS, QUANTITY. Lists materials like Fabric, Stakes, and their quantities.

CONSTRUCTION SPECIFICATIONS
1. Length of fabric shall be 100 feet for single row silt fence.
2. Fabric shall be 12 oz. non-woven polypropylene fabric.

DETAIL 26 - STABILIZED CONSTRUCTION ENTRANCE

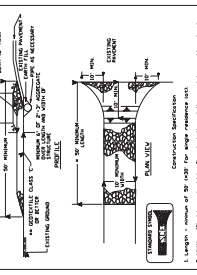


Table with 2 columns: MATERIALS, QUANTITY. Lists materials like Concrete, Gravel, and their quantities.

DETAIL 27 - SILT FENCE

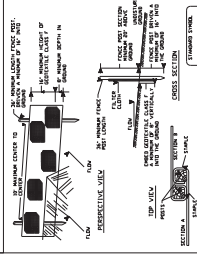


Table with 2 columns: MATERIALS, QUANTITY. Lists materials like Fabric, Stakes, and their quantities.

CONSTRUCTION SPECIFICATIONS
1. Length of fabric shall be 100 feet for single row silt fence.
2. Fabric shall be 12 oz. non-woven polypropylene fabric.

DETAIL 28 - STABILIZED CONSTRUCTION ENTRANCE

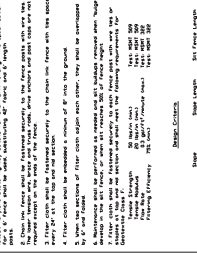


Table with 2 columns: MATERIALS, QUANTITY. Lists materials like Concrete, Gravel, and their quantities.

NOTES
1. All construction shall be in accordance with the Virginia Department of Transportation (VDOT) Standard Specifications for Road and Bridge Construction.
2. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate agencies.



PROFESSIONAL CERTIFICATION
 THESE CERTIFICATES HAVE BEEN PREPARED BY ME, AND I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 1494314 EXP. DATE: 12/31/2022

CHARLES COUNTY GOVERNMENT
 DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT
 DEVELOPMENT SERVICES DEPARTMENT

SPACING	CONSTRUCTION	AS-BUILT	REMARKS OR CONDITIONS
ROADS	CONSTRUCTION	AS-BUILT	
STORM DRAINAGE	CONSTRUCTION	AS-BUILT	
UTILITY UTILITIES	CONSTRUCTION	AS-BUILT	
WATER	CONSTRUCTION	AS-BUILT	
SEWER	CONSTRUCTION	AS-BUILT	
OTHER	CONSTRUCTION	AS-BUILT	
SPACING	CONSTRUCTION	AS-BUILT	

DATE: _____ DATE: _____
 THIS PERMIT EXPIRES ON: _____

PROJECT DATA		
PROJECT NO.	09-060	
ISSUED BY	CHARLES COUNTY	
DATE	09/27/22	
FILE NAME	DOGWOOD.dwg	
SHEET NO.	8	
STATUS	AS SHOWN	

VISTA DESIGN, INC.
 Landscape Architects, Land Planning Consultants, Engineers & Surveyors
 1104 Williams Ave., Suite 100, Annapolis, MD 21403
 TEL: 410-293-0475 FAX: 410-293-5257 email: vista@vistadesign.com



REV. NO.	CONSTRUCTION REVISION	DATE

DRAINAGE AREAS

DRAINAGE AREAS
 SCALE 1" = 200'
 NORTH

NOTE: 1. The design of drainage areas is based on the current zoning ordinance and the latest stormwater management regulations. 2. The design of drainage areas is based on the latest stormwater management regulations. 3. The design of drainage areas is based on the latest stormwater management regulations. 4. The design of drainage areas is based on the latest stormwater management regulations. 5. The design of drainage areas is based on the latest stormwater management regulations.