SAFETY REGULATIONS

All excavation and methods of construction shall be in accordance with the Maryland occupational, safety, and health administration (OSHA) standards as set forth in the latest version of the Code of Maryland regulations.

CONSTRUCTION NOTIFICATION

The Contractor is to notify the County Soil Conservation District at least 72 hours prior to commencement of any excavation, to schedule the inspection. It is the Contractor’s responsibility to obtain all necessary permits for the project and to ensure that all work is performed according to the approved plans.

There will be no changes in specification, dimensions, or materials unless approved by the engineer responsible for the drawing. The drawings are prepared cooperatively by the Natural Resource Conservation Service for the named landowner.

Construction found not in accordance with these drawings and specifications shall violate the cooperative agreement, and all drawings, specifications, and quantities estimates shall immediately be returned to the local NRCS office.

GENERAL NOTES

- Please contact the soil conservation district at least 3 days prior to construction to arrange a pre-construction meeting.
- A conservation technician shall set Cut/Grade stakes at the contractors request.
- A conservation technician must be present at the time of pipe installation if required.
- A conservation technician must be present at the time of the Cornwall source installation.

CRITICAL INFRASTRUCTURE OR MINOR LOW-HEAD AREAS

1. The contractor shall await the pre-construction meeting before proceeding. NRCS will provide estimates for the construction of any minor low-head areas.
2. Any changes in design, whenever occurring, or additional work not approved by the engineer responsible for the drawing shall be done in accordance with the guidelines of the Cooperative Agreement and the most current version of the Maryland Occupational Safety and Health Administration (OSHA) standards.
3. The contractor is responsible for the preparation of the signage for the Cornwall source and for any other authority that may require it.

The drawings are prepared cooperatively by the Natural Resource Conservation Service for the named landowner.

CONSTRUCTION FOUND NOT IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS SHALL VIOLATE THE COOPERATIVE AGREEMENT, AND ALL DRAWINGS, SPECIFICATIONS, AND QUANTITIES ESTIMATES SHALL IMMEDIATELY BE RETURNED TO THE LOCAL NRCS OFFICE.

USER TO ENTER PRACTICES

OWNER/CONTRACTOR STATEMENT

I certify that this design has been explained to me by a representative of the County Soil Conservation District, and I understand the contents. I further understand that all construction will be under the inspection of this office.

OWNER/OPERATOR SIGNATURE       DATE

CONTRACTOR’S SIGNATURE              DATE

AS-BUILT STATEMENT

I certify that this design has been explained to me by a representative of the County Soil Conservation District, and I understand the contents. I further understand that all construction will be under the inspection of this office.

OWNER/CONTRACTOR STATEMENT

I certify that this design has been explained to me by a representative of the County Soil Conservation District, and I understand the contents. I further understand that all construction will be under the inspection of this office.

OWNER/OPERATOR SIGNATURE       DATE

CONTRACTOR’S SIGNATURE              DATE

MATERIALS LIST

* For bidding purposes only

LANDOWNER INFORMATION:

STREAM CLASSIFICATION:

CONTACT PERSON;    STREAM CLOSURE DATE(S):

SITE DATA:

LANDOWNER INFORMATION;    STREAM CLASSIFICATION:

CONTACT PERSON;    STREAM CLOSURE DATE(S):

SITE DETAILS:

TOTAL DISTURBED ACRES = ±
TOTAL DISTURBED SQFT = ±

Construction supervision by NRCS/MDA/SCD personnel.

Landowner’s permission for MDE and COE inspection.

Dates listed are for plant hardiness Zone 6B, dates will need to be changed for other zones.

Know what's below. Call before you dig.
DESIGN CRITERIA:

- Total disturbed area: X ac (X ft²)
- Total area: X ac (X ft²)
- Total cut: X c.y.
- Total fill: X c.y.
- Total pool area: X ac (X ft²)
- Total pool area below inlet: X (X ft²), 20% Min for CREP
- Total filter area: X ac (36,418 ft²)
- Total dam length: X ft

PLANT MAP

0 40 40 80

Designed
Date

Checked

Approved

MD_0055

Drawing No.

MD_0055_ShallowWaterDevelopment.dwg

Natural Resources Conservation Service

United States Department of Agriculture

66 - SHALLOW WATER & DEVELOPMENT AREA

COUNTY Soil Conservation District

Job Class

Tract #

INDEX

File Name

MD_0055_ShallowWaterDevelopment.dwg

Drawing No.

MD_0055

Sheet 2 of 4
USER TO CLICK ON BLOCK AND ENTER INFORMATION

NOTE: A HOLE MUST BE DRILLED IN THE TOP OF THE PIPE IN ORDER TO ATTACH THE RODENT GUARD WITHIN. POSITION THE RODENT GUARD FAR ENOUGH IN THE PIPE TO ALLOW IT TO SWIVEL UP AND LET THE TRASH PASS WITHOUT EXPOSING THE RODENT GUARD BEYOND THE PIPE.

SIDE VIEW
FRONT VIEW

SCH 40 PIPE OR EQUAL

OUTLET DETAIL

GENERAL NOTES:
· A conservation technician must be present at the time of pipe installation to verify soil backfill material.
· Water control structure requires additional footer base to allow for concrete anti-floatation device connection. This base is available from the manufacturer.
· Pipe shall be backfilled in minimum 6-8" lifts using compaction equipment.

PROFILES/CROSS SECTIONS

DRAWING NOT TO SCALE

DESIGN SPECIFICATIONS:

FILTER CLOTH

PIVC Pipe or equal

PVC Pipe or equal

OUTLET DETAIL

NOTE: A HOLE MUST BE DRILLED IN THE TOP OF THE PIPE AND LET THE TRASH PASS WITHOUT EXPOSING THE RODENT GUARD BEYOND THE PIPE.

RODENT GUARD

RODENT GUARD
GENERAL GUIDELINES OF MANAGEMENT

ENHANCEMENTS AND WATER CONTROL STRUCTURES

Water presented in the area of the line of fence post is water catchment points. Remove water from all catchments and drainage structures including ditches and swale areas. The completed installation is watertight.

OPERATION AND MAINTENANCE GUIDELINES

1. Keep fences maintained. Woven slit film geotextile is not subject to rot, mildew, or weathering due to the nature of material. Geotextile used meets the requirements in Section H-1 Materials.

2. Apply silicon caulk on the seams as needed to insulate a good seal so that the completed installation is watertight.

3. Stainless steel and galvanized pipes, or plastic, are subject to corrosion. Stainless steel and galvanized pipes or steel should be recommended for maintenance and repair. Polyvinyl chloride (PVC) pipe and connectors can be either silicon caulk (recommended), or mastic (asphalt or tar based).

4. Use a standard symbol (Georgia) on a drawing to indicate that the plate thickness (P) is 0.062, sheet thickness (S) is 0.001, and pipe diam. (D) is 0.057.

5. Provide manifolds some distance from the fence. Manifolds may need to be removed for a distance according to the hauling and trapping regulations.

6. Gates can be installed to control the silty water area and must be fitted to keep the areas closed to the public.

7. Bar guard is the only type of fence recommended for the silty water area. Bar guard should be installed on all sides of the silty water area.

8. Provide manifolds some distance from the fence. Manifolds may need to be removed for a distance according to the hauling and trapping regulations.

9. Gates can be installed to control the silty water area and must be fitted to keep the areas closed to the public.
GENERAL NOTES:
· A conservation technician must be present at the time of pipe installation to verify soil backfill material.
· Water control structure requires additional footer base to allow for concrete anti-floatation device connection. This base is available from the manufacturer.
· Pipe shall be backfilled in minimum 6-8" lifts using compaction equipment.

USER TO CLICK ON BLOCK AND ENTER INFORMATION