

Source: Va. DSWC

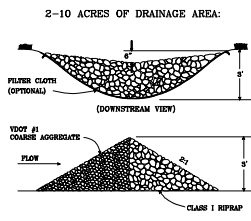
2 ACRES OR LESS OF DRAINAGE AREA:

FILTER CLOTH (OPTIONAL)

(DOWNSTREAM VIEW)

VDOT #1 COARSE AGGREGATE

FLOW



PLA

A cross-sectional diagram of a culvert. At the inlet, there is a 'DROP WALL' and a 'TOE OF FILL' line. The culvert is labeled 'CULVERT' and has a 'CLOSURE' at its entrance. At the outlet, there is a 'BELL FENCE' and another 'TOE OF FILL' line. An arrow labeled 'FLOW' points into the culvert from the left. A note at the bottom right states: '* DROPPING IS OF UNUSUAL & DANGEROUS CHARACTER'.

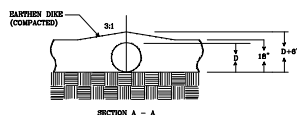
Diagram illustrating a cross-section of a concrete aggregate structure. The structure is composed of two main sections: a left section labeled "10' x 10' x 10' CONCRETE AGGREGATE" and a right section labeled "CLASS 1 REPAIR". The total width is 10' (3.5' + 6.5'). The height is 10'. The left section has a width of 6.5' and a height of 10'. The right section has a width of 3.5' and a height of 10'. The structure is shown with a flow direction indicated by an arrow labeled "FLOW".

SOURCE: ADAPTED from IODF Standard Sheets and Va. BOMC.

SECTION VIEW

NOTE: SEQUENT MAY BE CORRUPTED AT OUTLET IF UPLAND FLOODING WILL CREATE PROBLEMS.

NOTE: SEDIMENT MAY BE CONTROLLED AT OUTLET IF UPLAND PONDING
WILL CREATE PROBLEMS



SOURCE: VA. DSWC

A cross-sectional diagram of a gravel trench system. On the left, a label 'RUNOFF WATER WITH SEDIMENT' points to a layer of water and sediment. Above this layer, a dimension line indicates a width of '10" MIN.'. The water flows into a trench filled with 'GRAVEL (12" MIN. DEPTH)'. Below the gravel is a layer of 'SEDIMENT'. At the bottom of the trench is a 'WIRE MESH' screen. Arrows point from the gravel layer down to the wire mesh, and from the wire mesh down to a layer labeled 'FILTERED WATER'.

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE, MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS

* GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE.

* GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE.

5-1 SOURCE: VA DSWC

PLATE 307-2

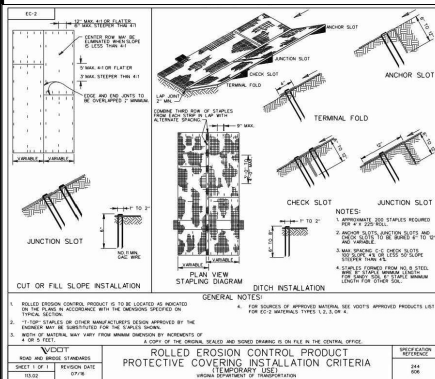
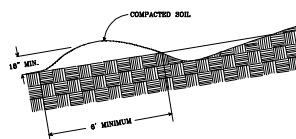


Diagram illustrating a typical gravel structure. It shows a cross-section of a gravel layer (labeled "VDOT #1 COARSE AGGREGATE") resting on a base. The base is labeled "6" MINIMUM". The height of the gravel layer is labeled "16" MIN".

TYPICAL GRAVEL STRUCTURE

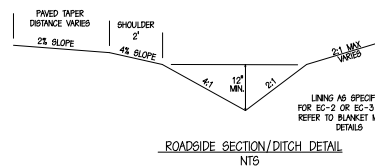
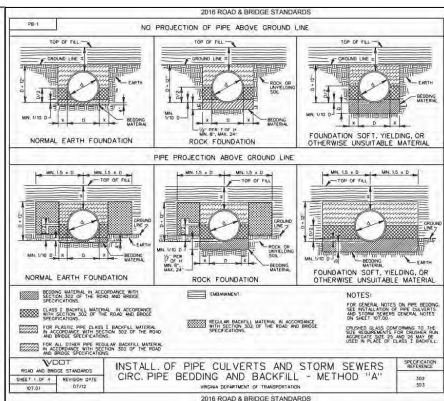
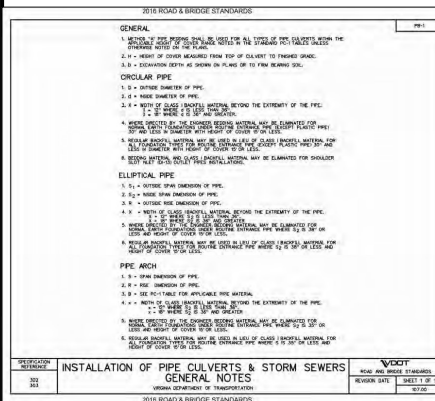
TYPICAL GRAVEL STRUCTURE



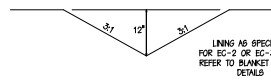
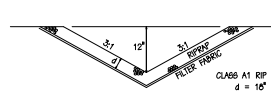
TYPICAL EARTHEN STRUCTURE

Source: Va. SWCC

Plate 3.11-1

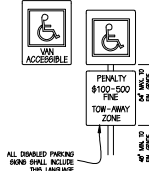


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DITCH DETAIL

RIPRAP DITCH DETAIL

NTG



NOTES:

- 1) SIGN SHALL BE THE INTERNATIONAL HANDICAPPED SYMBOL.
- 2) ALL PARKING SPACES RESERVED FOR THE USE OF HANDICAPPED SHALL BE IDENTIFIED BY AN ABOVE GROUND SIGN.
- 3) A SIGN OR SYMBOL, PAINTED OR OTHERWISE DERIVED ON THE FRONTAGE OF A PARKING SPACE SHALL NOT CONSTITUTE AN ABOVE GROUND SIGN.
- 4) ALL ABOVE GROUND HANDICAPPED SIGNS SHALL HAVE THE BOTTOM EDGE OF THE SIGN NO LOWER THAN FOUR FEET NOR HIGHER THAN SEVEN FEET ABOVE THE PARKING SURFACE.
- 5) SIGNS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE UNIFORM STATEWIDE BUILDING CODE.

HANDICAPPED PARKING SIGNAGE
CODE OF VIRGINIA, SECTION 36-99.11
N.T.S.



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CONSULTANTS

JOB: BOTETOURT
CONVENIENCE CENTER
AND TRANSFER STATION
BOTETOURT COUNTY, VIRGINIA

CLIENT:
COUNTY WASTE SOUTHWEST VIRGINIA, LLC
CO: DELBERT BEASLEY

3	11/15/20	REV PER AGENCY COMMENTS
2	10/05/20	REV PER AGENCY COMMENTS
1	8/25/20	REV PER AGENCY COMMENTS
MARK	DATE	DESCRIPTION
ISSUE:		4/6/20
CONTOUR INTERVAL:		2'
DESIGNED BY:		RTM
DRAWN BY:		RTM/DBM
CHECKED BY:		NBW/RTM

DETAILS

C-105A

18108	SHEET NO	12. 21
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