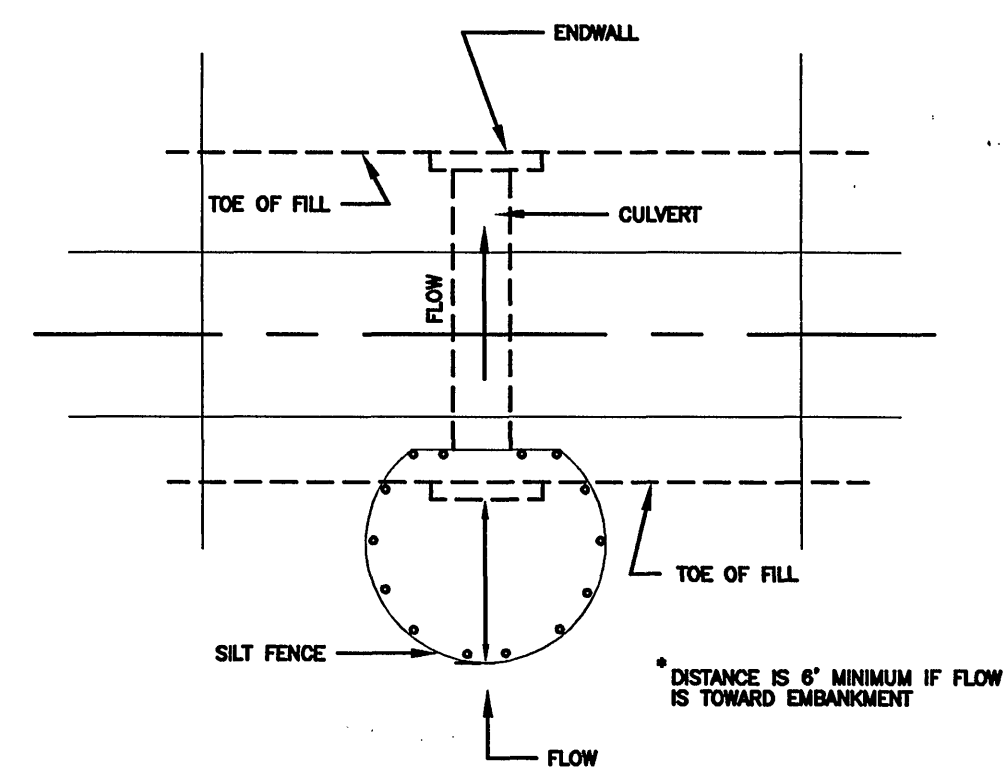


## SILT FENCE CULVERT INLET PROTECTION



### \* OPTIONAL STONE COMBINATION

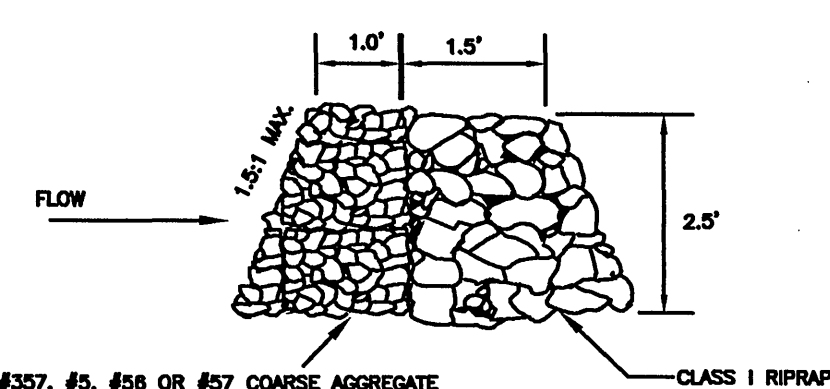
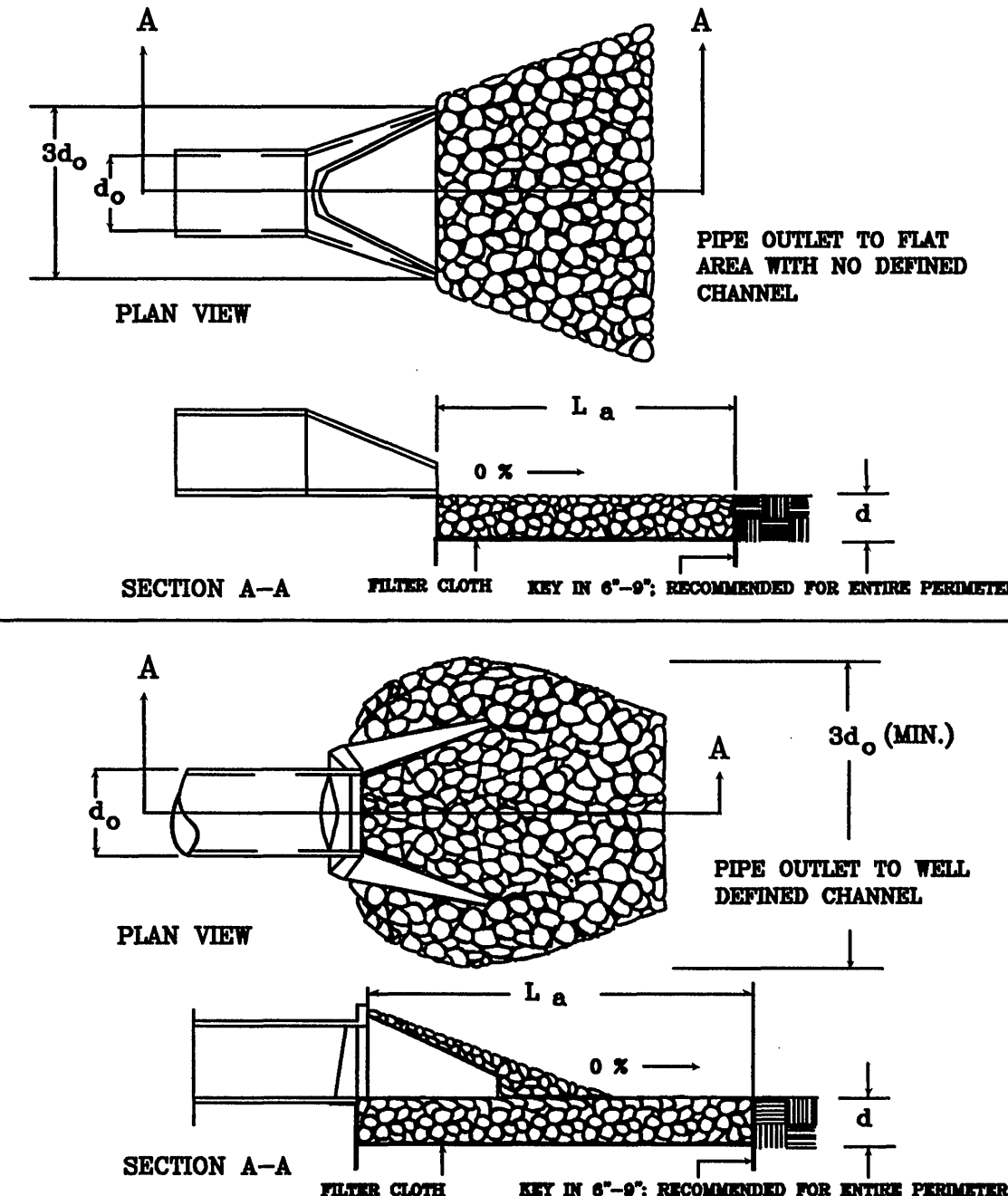


PLATE 3.08-1

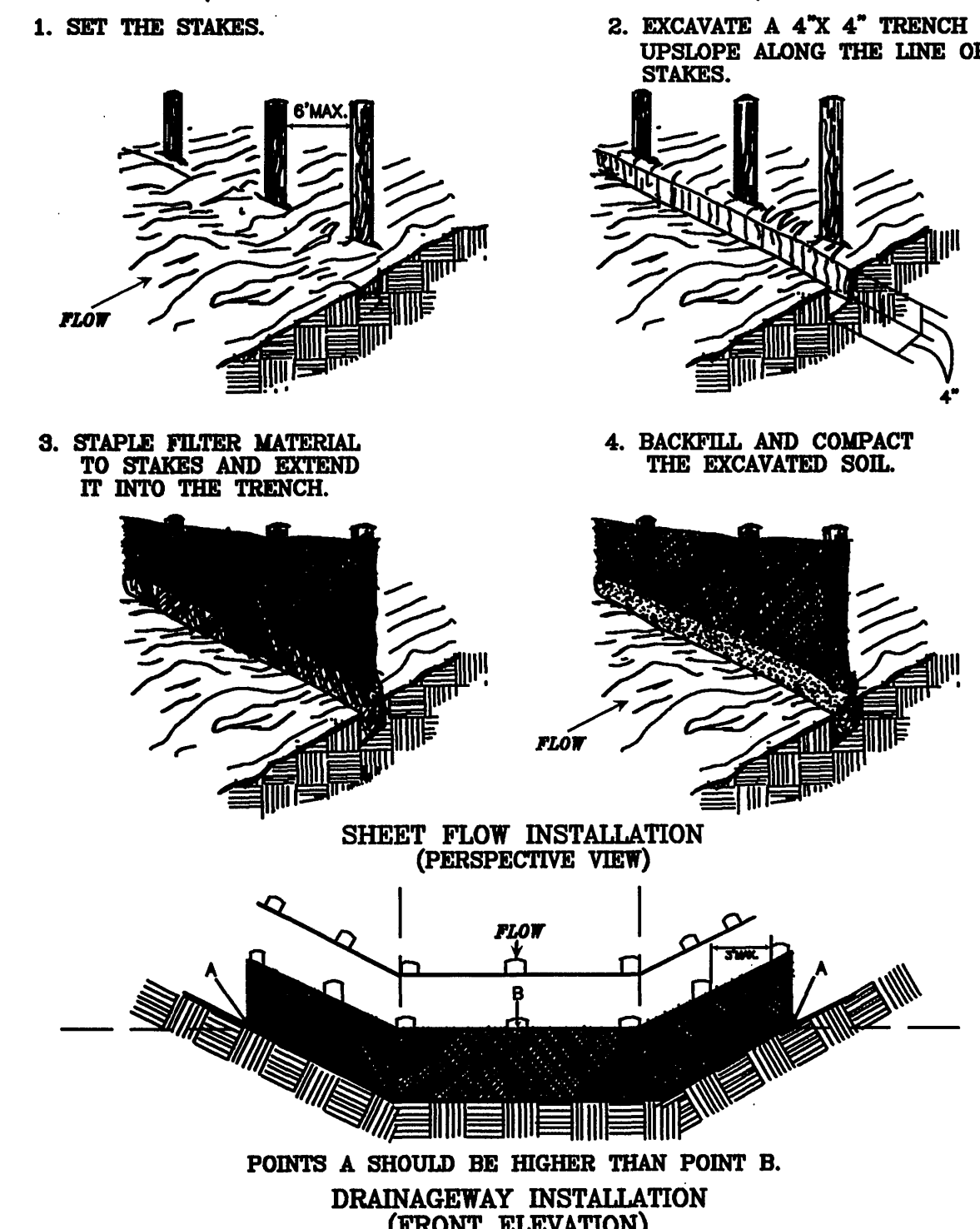
## PIPE OUTLET CONDITIONS



NOTES: 1. APRON LINING MAY BE RIPRAP, GROUTED RIPRAP, GABION BASKET, OR CONCRETE.  
2. LA IS THE LENGTH OF THE RIPRAP APRON AS CALCULATED USING PLATES 3.18-3 AND 3.18-4.  
3. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER, BUT NOT LESS THAN 6 INCHES.

Plate 3.18-1

## CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT)



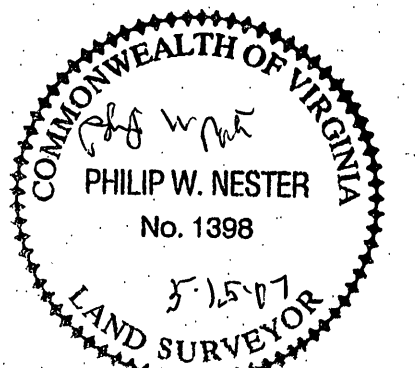
SOURCE: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, VA DSWC Sherwood and Wyant

PLATE 3.05-2

SOIL AND EROSION DETAILS  
LAKEWATCH DRIVE (EXTENSION)  
SECOND WATCH DRIVE  
WATERLINE 900  
WATERLINE 1000  
WATERLINE 1100  
GRAVITY SEWER 2  
COMMERCIAL LOT C-27

## AT LAKEWATCH PLANTATION

PLANNED COMMERCIAL DEVELOPMENT  
DEVELOPED BY: LAKE WATCH, L.L.C.  
GILLS CREEK MAGISTERIAL DISTRICT  
FRANKLIN COUNTY, VIRGINIA  
JOB NO 21-04  
MAY 15, 2007  
SOIL AND EROSION DETAILS  
SHEET 25 OF 32



## GENERAL SOIL AND EROSION NOTES

ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.

ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.

ES-4: A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

ES-5: PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

ES-6: BANK OF BOTETOURT (OR THEIR DESIGNEE) IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL SOIL AND EROSION MEASURES REQUIRED BY THE PLAN APPROVING AUTHORITY.

ES-7: SITE GRADING IS TO DRAIN TO THE SEDIMENT BASINS AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.

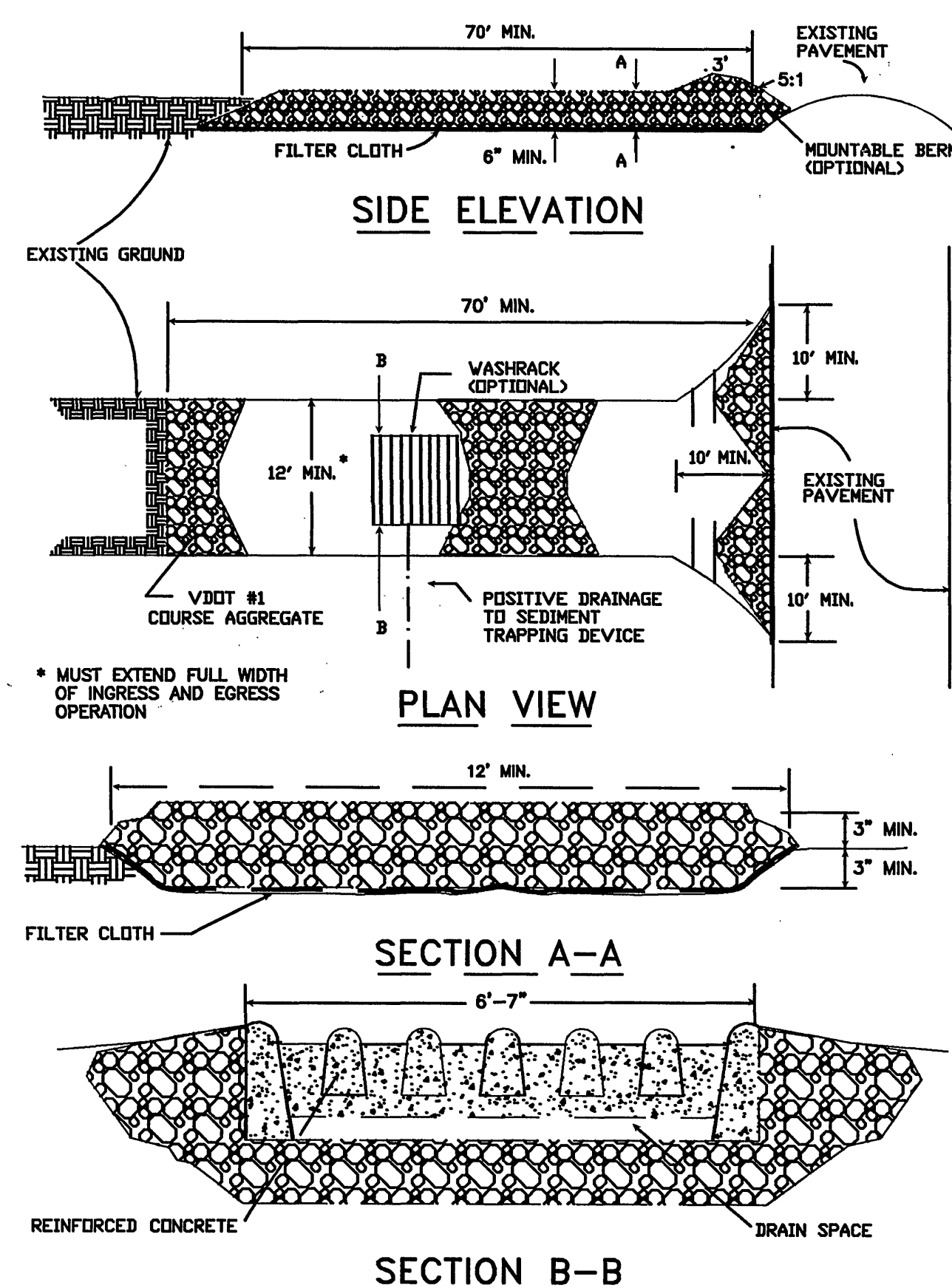
ES-8: DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS.

ES-9: BANK OF BOTETOURT (OR THEIR DESIGNEE) SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

## SOIL AND EROSION CONSTRUCTION SEQUENCE

- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO OR AS THE FIRST STEP IN CLEARING/GRADING.
- TO THE EXTENT POSSIBLE, GRADING IS TO BE PERFORMED IN SEQUENCE TO MINIMIZE TOTAL DISTURBED AREA AND CHANNEL RUNOFF TO SEDIMENT BASINS AND TRAPS.  
  
THE PROPOSED ENTRANCE IS TO BE GRADED AND STABILIZED WITH STONE FOR USE AS A CONSTRUCTION ENTRANCE AS ONE OF THE FIRST STEPS IN GRADING.
- TEMPORARY OR PERMANENT SEEDING IS TO BE INSTALLED ON ALL DENUDED AREAS LEFT UNDISTURBED MORE THAN SEVEN DAYS.
- CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SOIL STABILIZATION MEASURES ONCE STABILIZATION HAS BEEN ACHIEVED.
- MISS UTILITY LOCATOR SERVICE (1-800-552-7001) TO BE CONTACTED AT LEAST SEVENTY-TWO HOURS PRIOR TO DIGGING.

## STONE CONSTRUCTION ENTRANCE



SOURCE: ADAPTED FROM 1983 Maryland Standards for Soil Erosion and Sediment Control, and Va. DSWC

Plate 3.02-1

## TEMPORARY SEEDING

PLANTING DATES	SOURCE: VA. DSWC	SPECIES	PLATE 3.08-1 RATE (lbs. / ACRE)
SEPTEMBER 1 - FEBRUARY 15		50/50 MIX OF ANNUAL RYEGRASS (LOLIUM MULTI-FLOSUM) & CEREAL (WINTER) RYE (SECALE CEREALE)	50-100
FEBRUARY 16 - APRIL 30		ANNUAL RYEGRASS (LOLIUM MULTI-FLOSUM)	60-100
MAY 1 - AUGUST 31		GERMAN MILLET (SETARIA ITALICA)	50

## PERMANENT SEEDING

MINIMUM CARE LAWN	TOTAL LBS. PER ACRE
-COMMERCIAL OR RESIDENTIAL	175-200 LBS.
-KENTUCKY 31 OR TURF-TYPE TALL FESCUE	95-100%
-IMPROVED PERENNIAL RYEGRASS	0-5%
-KENTUCKY BLUEGRASS	0-5%
HIGH-MAINTENANCE LAWN	200-250 LBS.
-KENTUCKY 31 OR TURF-TYPE TALL FESCUE	100%
GENERAL SLOPE (3:1 OR LESS)	
-KENTUCKY 31 FESCUE	128 LBS.
-RED TOP GRASS	2 LBS.
-SEASONAL NURSE CROP*	20 LBS.
	150 LBS.
LOW-MAINTENANCE SLOPE (STEEPER THAN 3:1)	
-KENTUCKY 31 FESCUE	108 LBS.
-RED TOP GRASS	2 LBS.
-SEASONAL NURSE CROP*	20 LBS.
-CROWN VETCH **	20 LBS.
	150 LBS.

\*USE SEASONAL NURSE CROP IN ACCORDANCE WITH SEEDING DATES AS STATED BELOW:  
FEBRUARY 16TH THROUGH APRIL..... ANNUAL RYE  
MAY 1ST THROUGH AUGUST 15TH..... FOXTAIL MILLET  
AUGUST 16TH THROUGH OCTOBER..... ANNUAL RYE  
NOVEMBER THROUGH FEBRUARY 15TH..... WINTER RYE

LIME:

2 TONS/PER PULVERIZED AGRICULTURAL GRADE LIMESTONE (90 LBS. / 1000 FT. 2).

FERTILIZER:

1000 LBS. / ACRE 10-20-10 OR EQUIVALENT NUTRIENTS