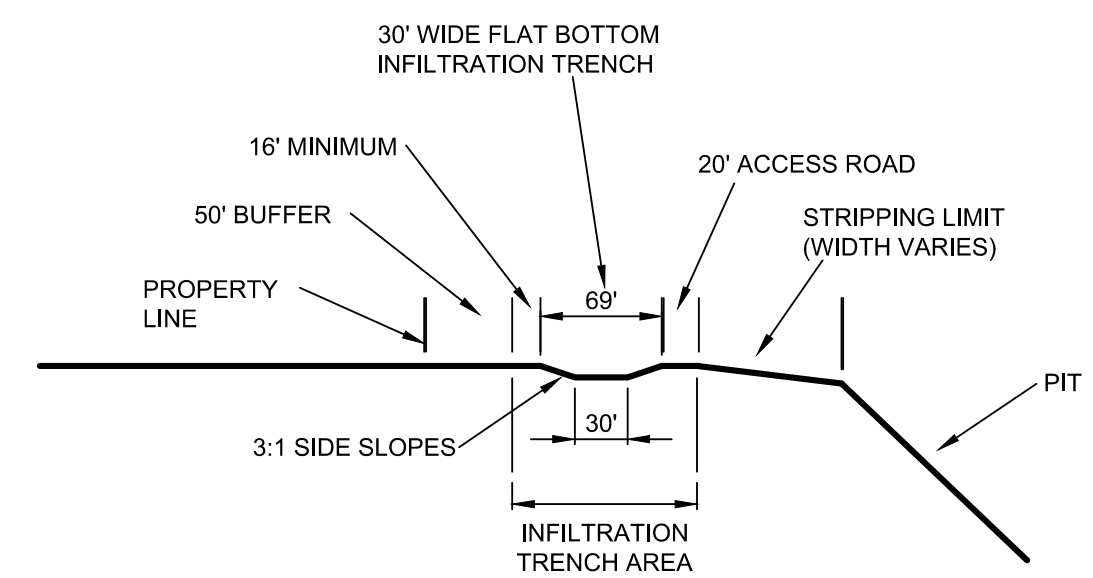


South Carolina Department of Health and Environmental Control
 PIPE SLOPE DRAIN
 STANDARD DRAWING NO. RC-01 PAGE 1 of 2
 NOT TO SCALE JULY 31, 2005 DATE



CROSS SECTION
 NOT TO SCALE

Q
 C03 C07

PIPE SLOPE DRAIN
 When and Where to Use It
 Pipe slope drains are used when it is necessary for water to flow down a slope without causing erosion, especially before a slope has been stabilized or before permanent drainage structures are installed.

Installation:
 Typical pipe slope drains are made of non-perforated corrugated plastic pipe. Slope drain sections should be securely fastened together, have gasket watertight fittings, and be securely anchored into the soil. Diversion berms or dikes should direct runoff to slope drains. The minimum depth of these dikes or berms should be 1.5-feet. The height of the berm around the pipe inlet should be a minimum of 1.5-feet high and at least 0.5-feet higher than the top of the pipe. The berm at the pipe inlet shall be compacted around the pipe. The area around the inlet shall be properly stabilized with ECBS, TRMs, riprap or other applicable stabilization techniques. The area below the outlet must be properly stabilized with ECBS, TRMs, riprap or other applicable stabilization technique. If the pipe slope drain is conveying sediment-laden water, direct all flows into the sediment trapping facility. Permanent slope drains should be buried beneath the soil surface a minimum 1.5-feet.

Inspection and Maintenance:
 Inspect pipe slope drain inlet and outlet points every seven (7) calendar days and within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation. The inlet should be free from undercutting, and no water should be going around the point of entry. If there are problems, the headwall should be reinforced with compacted earth or sandbags. The outlet point should be free of erosion and installed with appropriate outlet protection. All temporary pipe slope drains should be removed within 30 days after final site stabilization is achieved or after the temporary BMP is no longer needed. Disturbed soil areas resulting from removal should be permanently stabilized.

South Carolina Department of Health and Environmental Control
 PIPE SLOPE DRAIN
 STANDARD DRAWING NO. RC-01 PAGE 2 of 2
 GENERAL NOTES JULY 31, 2005 DATE

PIPE SLOPE DOWN DRAIN DETAIL
 NOT TO SCALE

P
 C05 C07



E					
D					
C					
B	8/30/2023	FOR CLIENT REVIEW	JCC		
A	7/11/2023	FOR CLIENT REVIEW	CCN		
	DATE	REVISION	BY		

TOLERANCES—UNLESS NOTED
 FRACTIONAL: ± 1/16"
 DECIMAL: ± 0.010"
 ANGLE: ± 0.1°

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EROSION AND SEDIMENT CONTROL DETAILS

DIVISION		PLANT	
ORANGEBURG LIMESTONE QUARRY			
BY C. NEWELL	DATE 7/11/2023	BY B. GREEN	DATE 7/11/2023
PRJL NO. 00.5872.00	SCALE N.T.S.	FILE SHEET SHEET 7 OF 8	REV. B
DWG. NO.		C07	