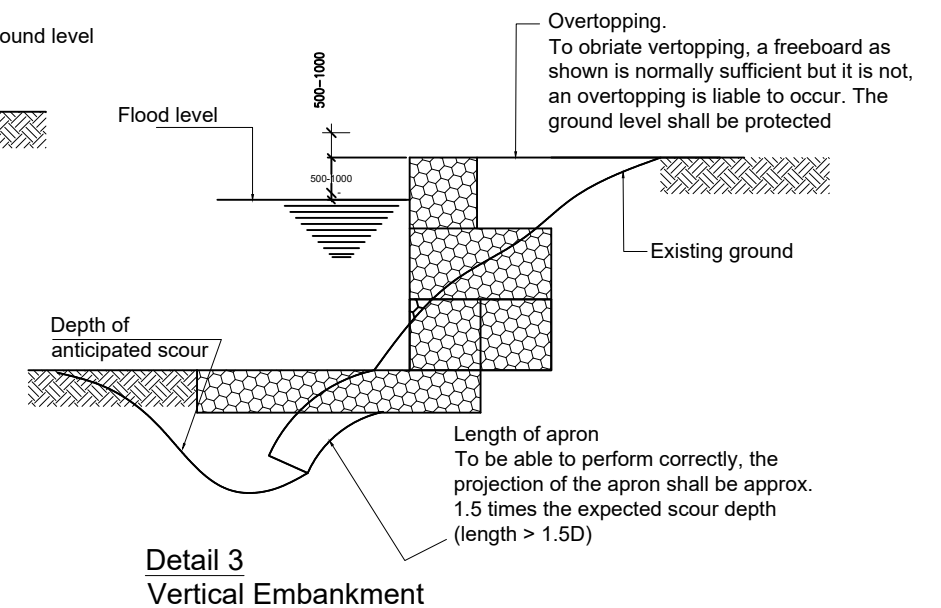


Detail 5


Edge Treatment of Aprons



NOTES

1. All dimensions are in millimetre unless otherwise specified
 2. Gabions shall be made from galvanised steel wire mesh. The wire shall be at least 25mmØ and double twisted to form an 80x100mm nominal size mesh. The galvanizing shall comply with B.S. 443.
 3. Assembly of gabion boxes and mattresses shall be done according to the manufacturers instructions. Gabion box elements shall be edged with a 4mmØ wire selvage to give the box stability.
- All wiring shall be done as a continuous lacing operation, not with individual twists at intervals. Tightness of mesh and wiring is essential at all times.
4. The gabion structure shall be formed by wiring the gabion boxes and/or mattresses together, using exactly the same method as for assembling single gabions (see note 3.). Gabions shall be placed and wired empty - it is difficult to wire gabions together when one is full of stones.
 5. The fill shall be a hard durable stone, in size between 75mm to 200mm. Fill the gabions by hand and make sure the stone is tightly packed and has a minimum of voids. After filling slightly, overfull to allow for settlement. Stretch the lids tightly over the filling and wire them down.
 6. The ends of a gabion structure shall never project into the flow but shall taper smoothly into the bank. Where both a vertical wall and a lining are required next to each other, a transition from one form of structure to the other shall be done in stages.

One example is a culvert which has vertical wingwall faces, while the channel up - downstream has a trapezoidal cross section. The gabion wall next to the wingwall shall be vertical (Detail 3) but as it proceeds away from the wingwall, steps between the courses of gabion boxes shall be formed and gradually increased in widths until a slope of say 1 : 1 is obtained (Detail 2). At this point the retaining wall section changes to a stepped revertment. The revertment is continued with the width of its steps increasing until a slope of 1 : 1.5 is reached at which point the bank is faced with a smooth mattress lining. (Detail 1)

NO.	AMENDMENTS	DATE	CLIENT:			STANDARD SLOPE PROTECTION DRAWINGS	Gabions			
			 REPUBLIC OF KENYA MINISTRY OF ROADS AND TRANSPORT P.O. BOX 30260-00100 NAIROBI				DRAWING NO.: WSCM/26/1/01			
								Date: Jan. 2024	Scale: N.T.S.	Sheet No.: 1/1