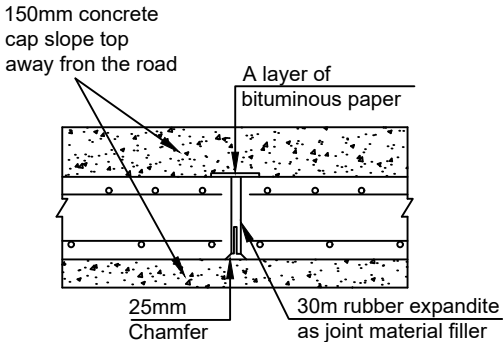


Material Properties:

- 1. Concrete: The minimum cylindrical compressive strength at 28 days shall be 20MPa (Grade 20).
- 2. Reinforcement steel: The minimum yield strength of deformed bars shall be 50MPa in accordance with the bridge Design manual.

Reinforcing bar schedule


	Diameter	Spacing
Bar S1	12	250
Bar S1	12	250
Bar S1	10	220
Concrete quantity (m3/m)	0.88	
Reinforcing quantity (kg/m)	27.70	



Expansion joint horizontal detail

NOTES

- 1. All dimensions are in millimetres unless otherwise stated
- 2. The minimum bend radius of bars is 4xbar diameter.
- 3. Expansion joints shall be provided every 15m interval.
- 4. The backfill material shall be selected granular material
- 5. The minimum allowable bearing capacity of the foundation material shall be 150 & 200kPa for wall heights less than 3m to 6m respectively.
- 6. During casting of concrete, if continuous poring of concrete is not possible, construction joints shall either be vertical or horizontal

NO.	AMENDMENTS	DATE	CLIENT:			STANDARD SLOPE PROTECTION DRAWINGS	Masonry Retaining Wall		
			 REPUBLIC OF KENYA MINISTRY OF ROADS AND TRANSPORT P.O. BOX 30260-00100 NAIROBI				DRAWING NO.: RDM/4/2/3/01		
							Date: Jan. 2024	Scale: N.T.S.	Sheet No.: 1/1