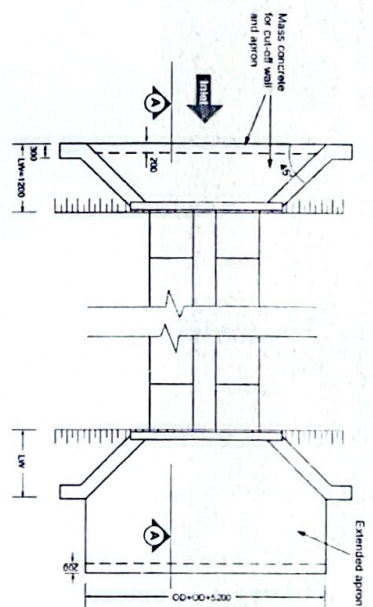
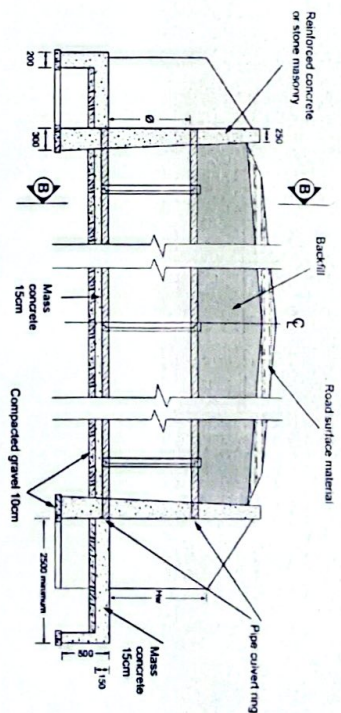


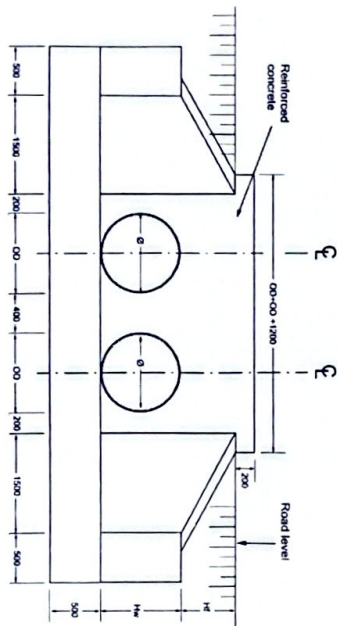
Standard Drawing RPC 8: Double Reinforced Pipe Culvert (2 x 1200 mm and 2 x 1500 mm) General Arrangement



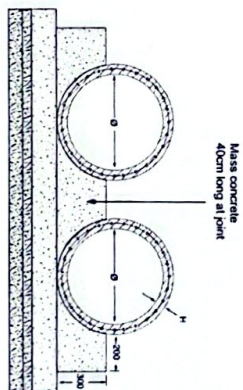
Plan view of culvert installation, headwall & wing wall



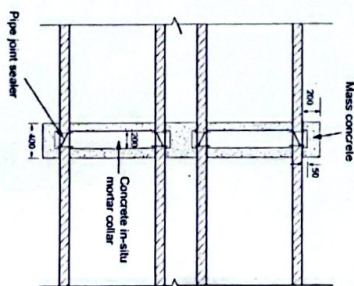
Section A-A longitudinal section of culvert structure



End elevation showing headwall and wing walls



Section B-B cross section of culvert pipe installation



Detail of pipe joint

Culvert size (inside Ø)	OD	L	Hw	Headwall thickness		Backfill	
				Concrete	Stone masonry	Minimum cover	Material
1200	1440	Varies	1400	250 (top) 300 (base)	300	700	Approved gravel
1500	1800	Varies	1700	250 (top) 300 (base)	300	800	Approved gravel

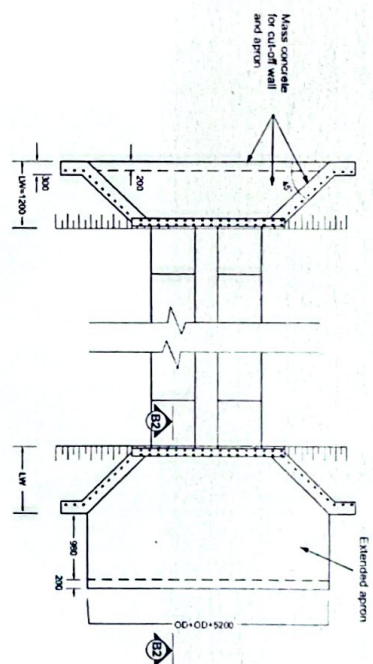
NOTES

1. All dimensions are in millimeters unless otherwise specified.
2. Conversion factor: 1mm = 0.03937 inches.
3. Standard pipe length: 1.0 metre.
4. Concrete cylinder strength in 28 days shall be: 21 MPa.
5. Reinforcement shall be structural grade deformed bar 420 MPa.
6. Pipe joint sealer shall be cement mortar.
7. OD = Outside Diameter = Inside Dia + 2H.
8. The Engineer shall specify the length (L) of the culvert structure.
9. Provide 20mm x 20mm chamber to all exposed concrete edges.

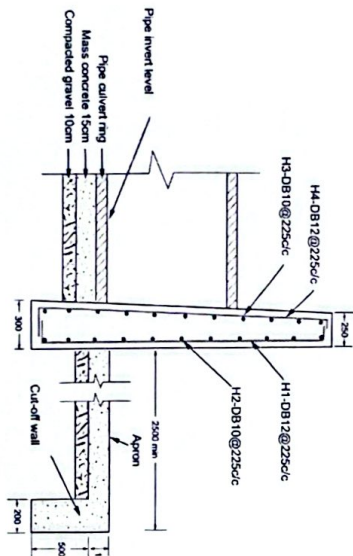
DESCRIPTION

DESIGNED	CHECKED
REFERENCE	APPROVED
SCALE: Not to Scale	DRAWING N°
DATE:	

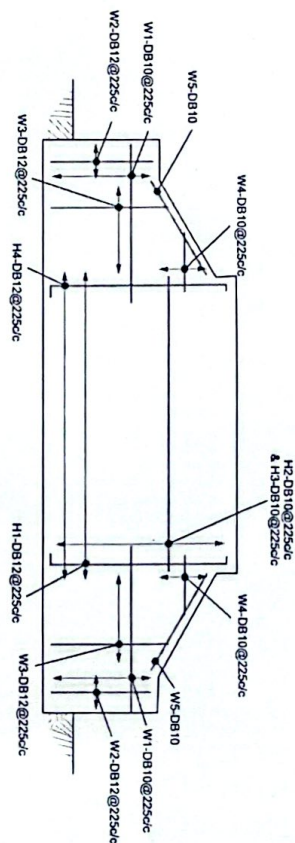
Standard Drawing RPC 9: Double Reinforced Pipe Culvert (2 x 1200 mm and 2 x 1500 mm) Reinforcement Layout



Reinforcement details for headwall & wingwall



Section B2-B2: Reinforcement details for head wall



Head wall & wing wall reinforcement details

Culvert size (inside Ø)	OD	L	Hw	Headwall thickness		Backfill	
				Concrete	Stone masonry	Minimum cover	Material
1200	1440	Varies	1400	250 (top) 300 (base)	300	700	Approved gravel
1500	1800	Varies	1700	250 (top) 300 (base)	300	800	Approved gravel

NOTES

1. All dimensions are in millimeters unless otherwise specified.
2. Concrete factor: 1mm = 0.03937 inches.
3. Standard pipe length: 1.0 metre.
4. Concrete cylinder strength in 28 days shall be 21 MPa.
5. Reinforcement shall be structural grade deformed bar (DB) with minimum yield strength 420 MPa.
6. Pipe joint sealer shall be cement mortar.
7. OD = Outside Diameter = Inside Dia + 2H.
8. The Engineer shall specify the length (L) of the culvert structure.
9. Provide 20mm x 20mm chamfer to all exposed concrete edges.

DESCRIPTION

DESIGNED

CHECKED

REFERENCE

APPROVED

SCALE:

Not To Scale

DRAWING N°

DATE