



Technical drawing of a bridge cross-section. The drawing shows a central span supported by two vertical piers. The total width of the bridge deck is labeled as $SPAN + 600$. The distance from the centerline of the span to the outer edge of the deck is 100. The width of the deck over each pier is 200. The height of the bridge deck above the piers is 300. The height of the piers is 200. The total height of the bridge structure is 750. The height of the piers is 450. The width of the piers is 150. The distance between the inner faces of the piers is labeled as $SPAN$.

Technical drawing of a mechanical part showing top and front views with dimensions.

Top View Dimensions:

- Overall width: 1500
- Overall height: 900
- Left side features a 100 unit wide section, followed by a 200 unit wide section, and a 150 unit wide section.
- Right side features a 200 unit wide section, followed by a 150 unit wide section, and a 100 unit wide section.
- Internal horizontal dimensions: 150, 600, and 150.

Front View Dimensions:

- Overall height: 900
- Internal vertical dimensions: 300, 600, and 150.
- Central feature: A circular hole with a diameter of 600mm.
- Support structure: Two vertical rectangular supports on either side of the hole, with hatched areas indicating internal structure or material.

[illegible]

NOTES:

1. ALL STRUCTURES ON THIS PLAN TO BE CAST USING CLASS C25/30-20 CONCRETE.
2. THE TYPE OF SURFACE FINISH IS INDICATED AS F1, F2 & U2.
F - FORMED SURFACES
U- UNFORMED SURFACES
3. MINIMUM CONCRETE COVER TO MAIN REINFORCEMENT IS 40 mm.
4. ALL EXPOSED CORNERS MUST BE ROUNDED OF TO A MINIMUM RADIUS OF 10 mm OR BE CHAMFERED 25 mm x 25 mm.



				CONSTRUCTION RECORD (AS-BUILT)		DESIGNED BY		CONSULTANT APPROVAL		HEAD OFFICE		EASTERN REGION		ACCEPTANCE		PROJECT DESCRIPTION				PROJECT NUMBER		N.002-300-2020/1			
				WORKS CONTRACT ENGINEER		NAME		NAME		48 Tambotie Avenue Val de Grace Pretoria 0154		58 Van Eck Place Pietermaritzburg 3201		THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATEVER CAUSE OR HOWEVER ARISING		THE CONSTRUCTION OF PAVEMENT AND SETTLEMENT REPAIRS ON NATIONAL ROUTE 2, SECTION 30 FROM BUSHVELD RETREAT FARM (km47.0) TO HLHULUWE INTERCHANGE (km 55.0)				DRAWING LOCATION DATA		START		END	
				Name : Prof. Reg. No. : Date :		Prof. Reg. No. CHECKED BY		Prof. Reg. No. : Date :		PO Box 415 Pretoria 0001 South Africa		PO Box 100410 Scottsville 3209		for the SA NATIONAL ROADS AGENCY SOC. LTD.		ROAD SURFACE DRAINAGE INLET STRUCTURES CURVED INLETS AT SHALLOW CUTTINGS				ROUTE		N.002		N.002	
				SANRAL PROJECT MANAGER		NAME		NAME		Tel: (012) 844 8000		Tel: (033) 392 8100				DRAWING km DISTANCE				SECTION 30		SECTION 30			
				Name : Date :		Prof. Reg. No. DRAWN BY		NAME								DRAWING TYPE				ROADWORKS: DRAINAGE					
				1 23/10/12 ORIGINAL												ROAD SURFACE DRAINAGE				BRIDGE/STRUCTURE No.		N/A			
				CONSULT. ENG												INLET STRUCTURES				CONSULTANT DRAWING No.		TP2113-T-074			
				REVISION												CURVED INLETS AT SHALLOW CUTTINGS				SANRAL DOCUMENT #		1			
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