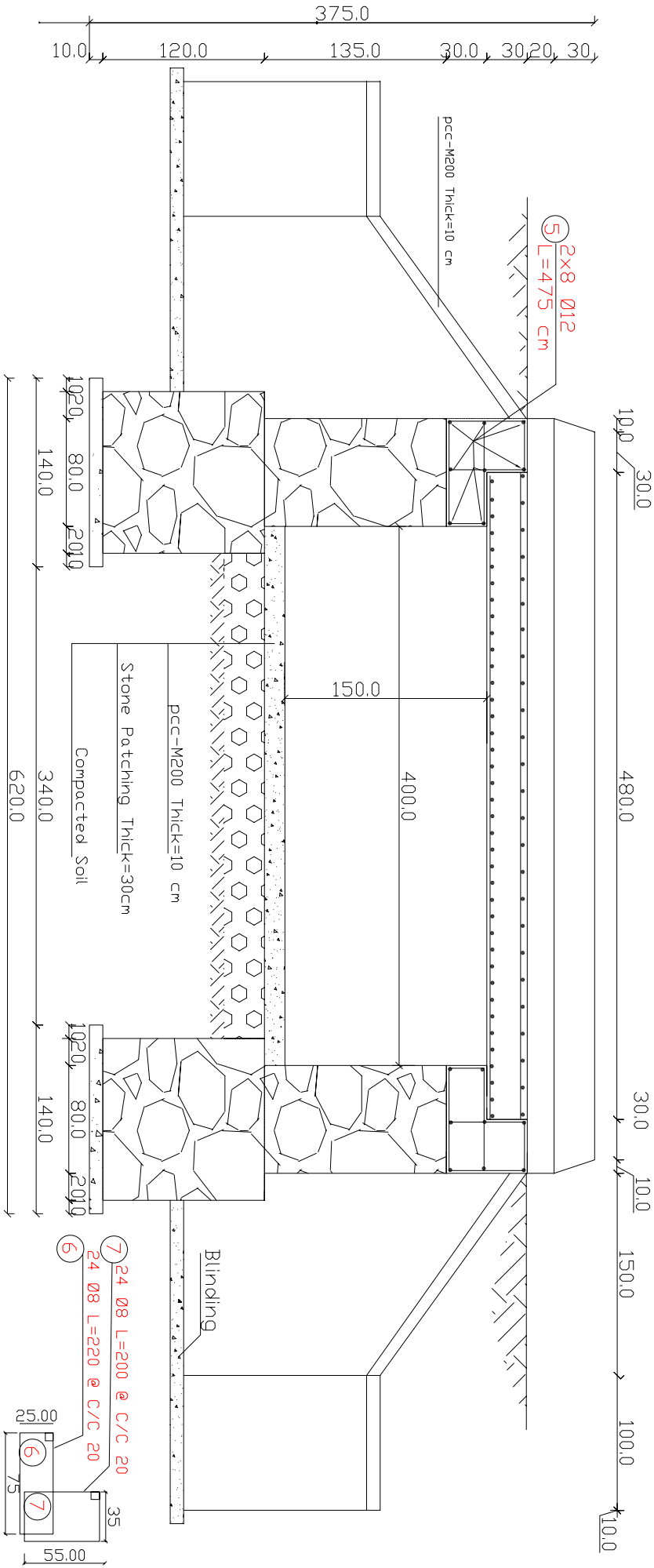


Section B-B



- Note:
1. All dimensions are in centimeters unless otherwise specified.
 2. If rounded stone from a river or other sources is used, it shall not comprise of more than 30 % of the total volume of stone and shall be evenly distributed throughout the wall.
 3. All masonry work should be pointed.
 4. Angle and length of wing walls should be adjusted by the Engineer as per site conditions.
 5. Refer to the bar schedule for the length and shape of reinforcement.
 6. Concrete mixshall be proportioned by volume with a water /cement ratio of not more than 0.45.
 7. The culvert should be built with a slope of (24) % to prevent siltation .

Steel bar schedule						
Bar no.	Bar dia (mm)	Num. of bar	Length (m)	Total length (m)	Weight (kg/m)	Total weight (kg)
1	16	47	5.15	242.05	1.58	382.44
2	16	40	4.35	174.00	1.58	274.92
3	12	32	4.75	152.00	0.888	134.97
4	12	32	4.35	139.20	.888	123.61
5	12	16	4.75	76.00	.888	67.50
6	8	24	2.20	52.80	0.40	21.12
7	8	24	2.00	48	0.40	19.20
8	8	24	2.18	52.32	0.40	20.93
Total weight:						1096.89

NATIONAL SOLIDARTY PROGRAMME AFGHANISTAN

STANDARDIZATION UNIT

STANDARD DESIGN

Project Title

Culvert with Spanish (stone masonry)

Project Subject

Section

Sheet No

3/4

Scale

In dimension

Design by

Eng. Monir

Drawn by

Eng. Monir

Reviewed by

Eng. M. Arif Aniri

Approved by

Eng. Robert D'Cruz

Date

Nov-2005

NSP