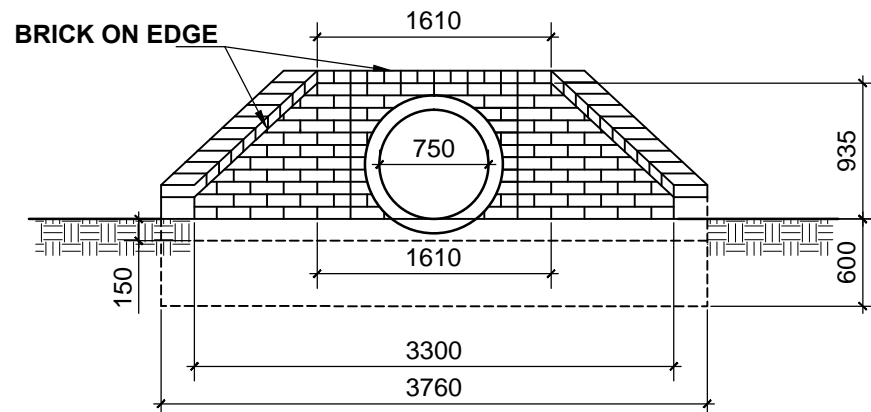


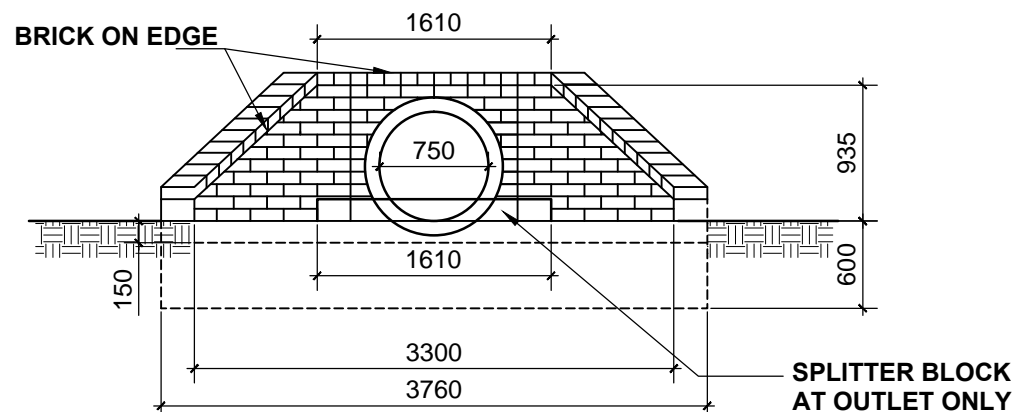
**LONGITUDINAL SECTION FOR CULVERT STRUCTURES 1-5**

SCALE 1:100



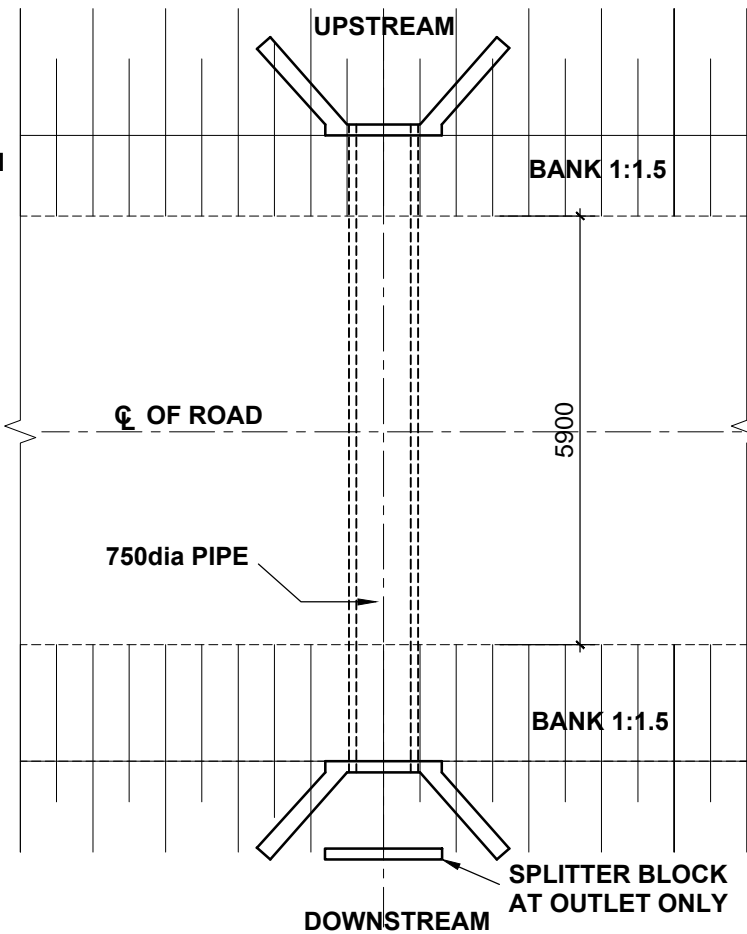
**UPSTREAM ELEVATION OF MASONRY HEADWALL FOR CULVERT STRUCTURES 1-5**

SCALE 1:50



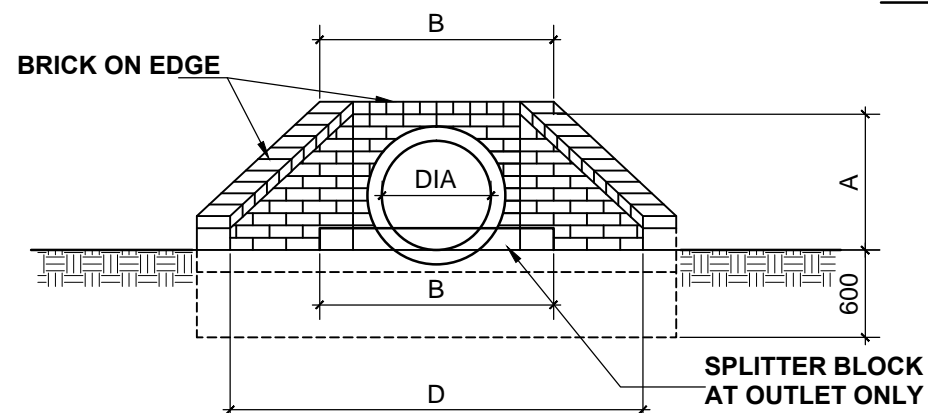
**DOWNSTREAM ELEVATION OF MASONRY HEADWALL FOR CULVERT STRUCTURES 1-5**

SCALE 1:50



**PLAN OF CULVERT STRUCTURE 1-5**

SCALE 1:100



**TYPICAL DETAIL OF HEADWALL (MASONRY)**

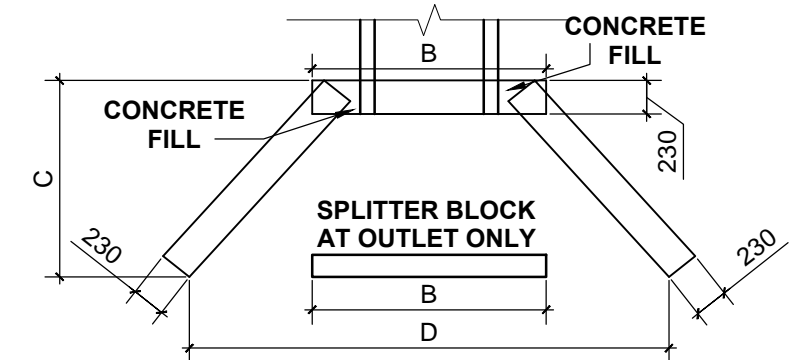
SCALE 1:50

STRUCTURE	CO-ORDINATES	
1	29 21' 0.90" S	30 56' 57.40" E
2	29 21' 12.91" S	30 56' 57.40" E
3	29 21' 14.94" S	30 56' 38.80" E
4	29 21' 18.61" S	30 56' 30.88" E
5	29 21' 47.95" S	30 56' 10.82" E

NOTES

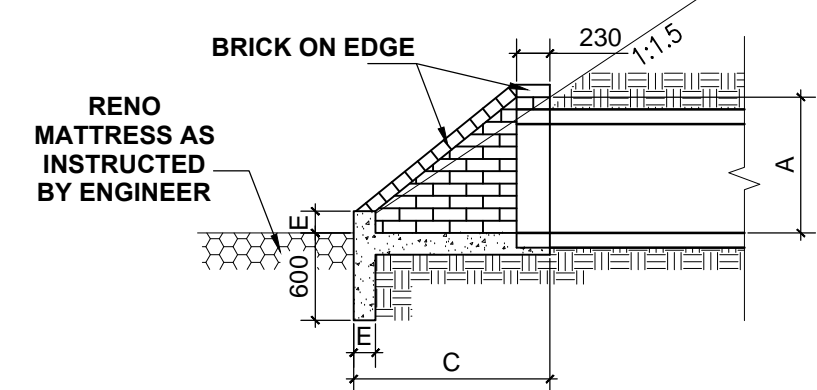
1. CONCRETE STRENGTH 25 MPA
2. COVER TO REINFORCING TO BE 50mm
3. ENGINEER TO INSPECT EXCAVATION AND REINFORCING PRIOR TO CASTING OF CONCRETE

STANDARD DIMENSIONS (mm)					
NOMINAL DIA	A	B	C	D	E
450	595	1150	1050	2700	150
600	765	1380	1200	3000	150
750	935	1610	1350	3300	150
900	1105	1840	1500	3600	150
1050	1275	2070	1750	3900	150
1200	1445	2300	1900	4200	150



**TYPICAL PLAN OF HEADWALL (MASONRY)**

SCALE 1:50



**SECTION A-A**

SCALE 1:50

REV.	DATE	DRAWN	DESCRIPTION	CHECKED	APPR'D

SCALES:	AS SHOWN	DESIGNED:	
DRAWN:	C KIN	DISCIPLINE:	
CHECKED:	G HOOPER	PROJECT LEADER:	
DRG. FILE NAME:		CLIENT:	



GOBA

APPROVED: CONSULTING ENGINEER :

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DATE:

CULVERT STRUCTURES ON LOCAL ROAD L1081  
STRUCTURES 1,2,3,4 AND 5

A3

GOBA DRG No.

20737-304-001

REVISION

