



- NOTE:**
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED
 2. ALL CONCRETE PIPES SHALL BE PRECAST MANUFACTURED IN ACCORDANCE WITH AASHTO M-170M USING CLASS C30 CONCRETE REFER SPECIFICATION FOR CONCRETE AND REINFORCEMENT REQUIREMENTS
 3. ALL FORMWORK FOR PRECAST UNITS TO BE OF PERMANENT STEEL CONSTRUCTION

PIPE CULVERT STRUCTURAL DETAILS								
DESIGNATED INTERNAL DIAMETER (mm)	PIPE CULVERT	INNER CAGE		OUTER CAGE		REINFORCING CONFIGURATION	10 LONGITUDINAL BARS (MIN. No. PER CAGE)	
		REINFORCING mmsq/linear m OF PIPE WALL	CAGE REINFORCING REQUIREMENTS (mm)	REINFORCING mmsq/linear m OF PIPE WALL	CAGE REINFORCING REQUIREMENT (mm)			
450	65	300	6 mm DIA AT 70 mm CTRS	-	-	CIRCULAR	8	
600	75	570	8 mm DIA AT 80 mm CTRS	-	-	CIRCULAR	8	
750	90	380	6 mm DIA AT 70 mm CTRS	-	-	CIRCULAR	10	
900	100	360	6 mm DIA AT 70 mm CTRS	220	6 mm DIA AT 100 mm CTRS	CIRCULAR	12	
1050	113	440	8 mm DIA AT 100mm CTRS	260	6 mm DIA AT 100mm CTRS	CIRCULAR	14	
1200	125	510	8 mm DIA AT 80 mm CTRS	310	6 mm DIA AT 80 mm CTRS	CIRCULAR	15	
1500	150	720	8 mm DIA AT 70 mm CTRS	430	8 mm DIA AT 100 mm CTRS	CIRCULAR	19	

REVISION	BY	APP'D	DATE	NOTES	<p>Box 102 Avarua District Rarotonga PH: 20321 Fax: 24321 Web: www.icl.gov.ck</p>	PROJECT TITLE	DESIGNED:	DATE:	CHECKED:	DATE:
A-FOR TENDER						RAROTONGA ROAD IMPROVEMENT PROJECT				
						DRAWING TITLE	DRAWN:	DATE:	APPROVED:	DATE:
						TYPICAL PIPE CULVERT DETAILS	CLIENT NAME:	SCALES:	DWG No.	SHT No.
							ICL	NTS		1 OF 1