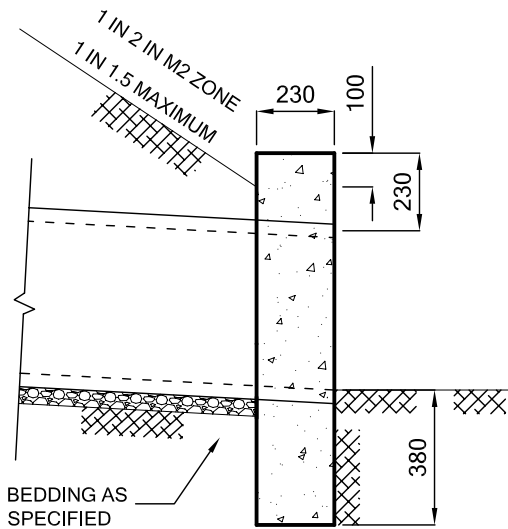


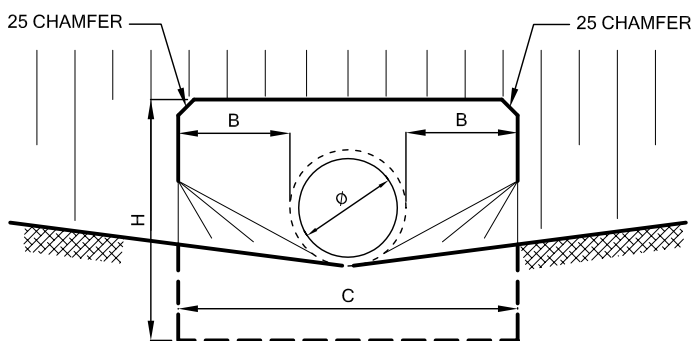
* APPROPRIATE ROCK
BEACHING TO BE
PLACED AT PIPE OUTLET

PLAN



SIDE ELEVATION

PIPE DIA. Ø	CONCRETE DIMENSIONS			APPROX O/D PIPE	ESTIMATED QUANTITIES	
	B	C	H		SINGLE PIPE VOLUME (m3)	DOUBLE PIPE VOLUME (m3)
450	510	1550	1100	530	0.36	0.53
525	590	1790	1180	610	0.45	0.63



FRONT ELEVATION

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE
2. ALL CONCRETE SHALL BE 25MPa MINIMUM STRENGTH
3. QUANTITIES SHOWN ARE FOR ONE ENDWALL
4. FOR MULTIPLE PIPE CULVERTS, CLEAR DISTANCE BETWEEN PIPES SHALL BE 300mm MINIMUM
5. ENDWALL IS SUITABLE FOR REINFORCED CONCRETE, FIBRE REINFORCED CEMENT OR CORRUGATED STEEL PIPES OF SIMILAR DIAMETER

AMENDMENTS	DATE		MASS CONCRETE ENDWALL FOR Ø450 AND Ø525 PIPES	DRAWN BY: WDA
ORIGINAL - WDA	8/97			DATE: JAN '07
UPDATED NOTES & DETAILS	1/07			SCALE: N.T.S.
				DRAWING NO.: SD / E3
				MANAGER CIVIL DEVELOPMENT SERVICES 