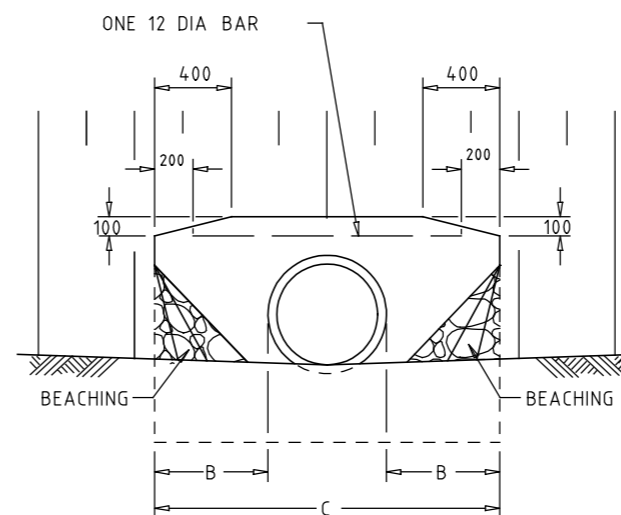
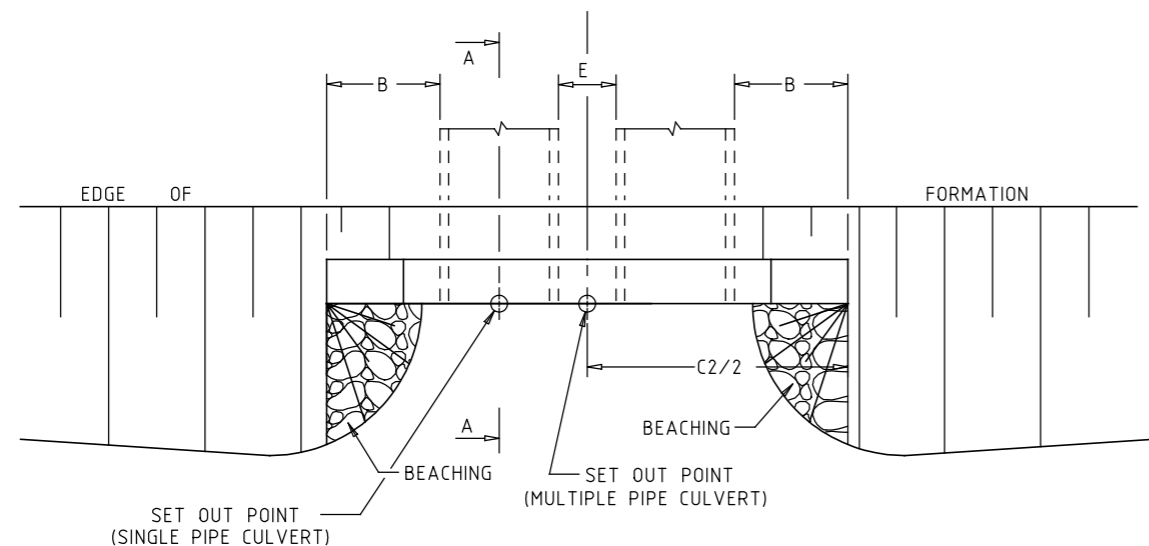


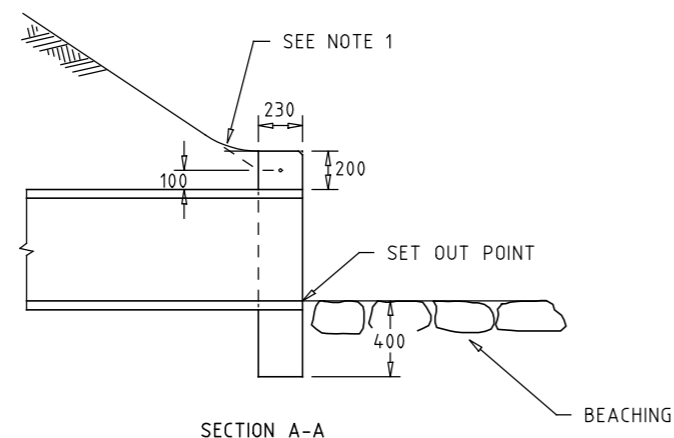
END ELEVATION



END ELEVATION



PLAN



SECTION A-A

DIMENSIONS

NOM PIPE DIA	EXTERNAL PIPE DIA #	B	C	C2	H	E
300	362	400	1162	1824	931	300
375	445	430	1305	2050	1010	300
450	534	510	1554	2388	1092	300
525	616	590	1796	2712	1175	300

APPROXIMATE ONLY

NOTES:

1. BECAUSE THE RELATION OF THE BATTER TO THE TOP OF THE ENDWALL IS ESSENTIAL FOR THE SAFETY OF THE MOTORIST, THE DETAILS AS SHOWN IN SECTION A-A MUST BE ADHERED TO DURING CONSTRUCTION.
2. EXPOSED EDGES SHALL HAVE 20 x 20 CHAMFERS.
3. COMPACTION PRESSURE BEHIND WALLS NOT TO EXCEED 15 kPa. (1.5 TONNE VIBRATORY ROLLER).
4. REFER TO SD 1812 FOR QUANTITIES
5. CONCRETE SHALL BE NORMAL-CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.
6. REINFORCEMENT SHALL BE GRADE 400 Y COMPLYING WITH SECTION 611 OF VICROADS SPECIFICATION
7. LAPS IN REINFORCEMENT BARS SHALL BE 300 MIN, AND CLEAR COVER 50 MIN. BARS SHALL TERMINATE 50 FROM THE CONCRETE SURFACE.
8. CONCRETE AGGREGATES SHALL COMPLY WITH TABLE 701.021 OF VICROADS STANDARD SPECIFICATION SECTION 701.
9. ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF AS 3600.

AMEND.	Appd.	Date	AMENDMENTS
E			
D			
C			
B	J.C.	1.2.98	AMENDMENT TO NOTE 5, NOTES 8 & 9 ADDED, CONCRETE STRENGTH GRADE
A	J.C.	1.7.95	BEACHING ADDED, DIMENSION C2 ADDED, NOTES 3,4,5,6, & 7, GENERAL NOTES 1 & 2

GENERAL NOTES / CROSS REFERENCES

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. CULVERT INLET AND OUTLET STRUCTURES - SELECTION GUIDE

SD 1700

vicroads

PRINCIPAL ROAD DESIGN ENGINEER'S DEPARTMENT

STANDARD DRAWING					
MASS CONCRETE ENDWALL					
PIPE CULVERTS 300 TO 525 DIA.					
APPROVED	DATE	SPEC. REF. No.	SHEET No.	DRAWING No.	AMENDMENT
<i>J. Cunningham</i>	12.95			SD 1811	B
PRINCIPAL RD ENGINEER					