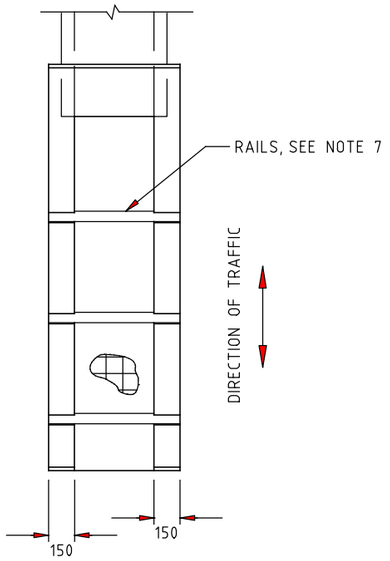
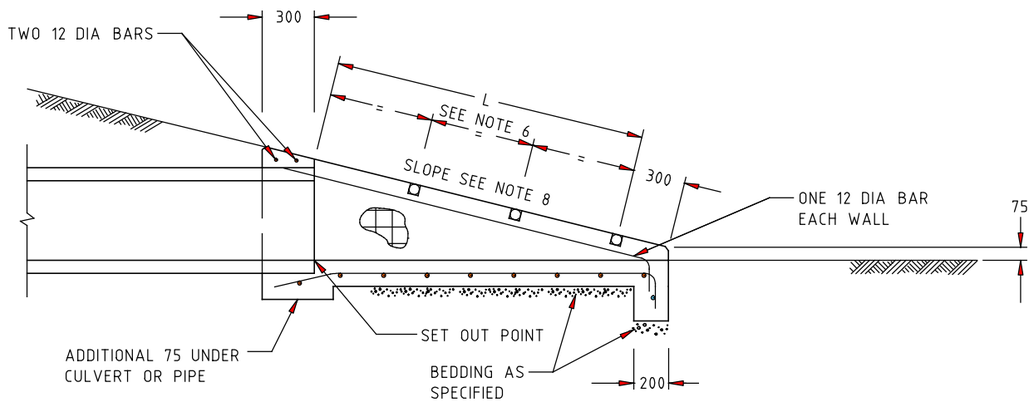
NOTES:

1. THESE ENDWALLS ARE DESIGNED FOR USE IN AREAS WHERE HEAD ON COLLISIONS ARE LIKELY TO OCCUR.
2. REINFORCEMENT, F81 UNLESS OTHERWISE SPECIFIED, SHALL BE CONTINUOUS AROUND CORNERS AND LOCATED AS SHOWN.
   CLEAR COVER 50 MIN. LAPS: FABRICS 300 MIN, BARS 25 X BAR DIAMETER MIN.
3. DISTRIBUTION BARS 12 DIA AT 200 CENTRES.
4. 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.
5. EXPOSED EDGES SHALL HAVE 20 x 20 CHAMFERS.
6. RAILS WITHIN SECTION "L" SHALL BE EVENLY SPACED.
   THE MAXIMUM SPACING SHALL NOT EXCEED 600mm.
7. RAILS ARE 60.3mm DIAMETER GALVANISED TUBES 5.4mm THICK.
   THESE ARE TO BE GROUTED INTO THE SLOTS IN THE WALLS.
8. SLOPE OF ENDWALL TO MATCH BATTER SLOPE. MAXIMUM SLOPE 4 TO 1
9. CONCRETE AGGREGATES SHALL COMPLY WITH TABLE 701.021 OF VICROADS STANDARD SPECIFICATION SECTION 701.
10. ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF AS 3600.

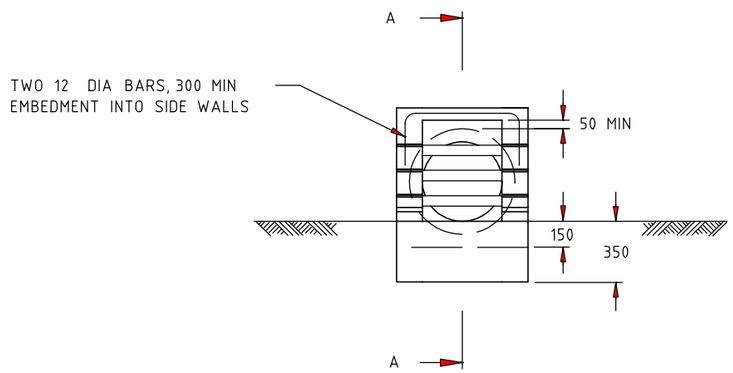
L (mm)	TOTAL NUMBER OF RAILS
100 - 600	1
601 - 1200	2
1201 - 1800	3
1801 - 2400	4



PLAN



SECTION A-A



END ELEVATION

E			
D			
C			
B			
A	J.C.	1.2.98	AMENDMENT TO NOTE 4, NOTES 9 & 10 ADDED, CONCRETE STRENGTH GRADES.
AMEND.	Appd.	Date	AMENDMENTS

GENERAL NOTES / CROSS REFERENCES
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

vicroads

PRINCIPAL ROAD DESIGN ENGINEER'S DEPARTMENT

STANDARD DRAWING

DRIVEABLE CULVERT ENDWALLS (TYPE 1)

PIPE CULVERTS UP TO 600mm DIA. AND BOX CULVERTS UP TO 600mm WIDE

APPROVED	DATE	SPEC. REF. No.	SHEET No.	DRAWING No.	AMENDMENT
PRINCIPAL RD ENGINEER	24.2.94			SD 1991	A