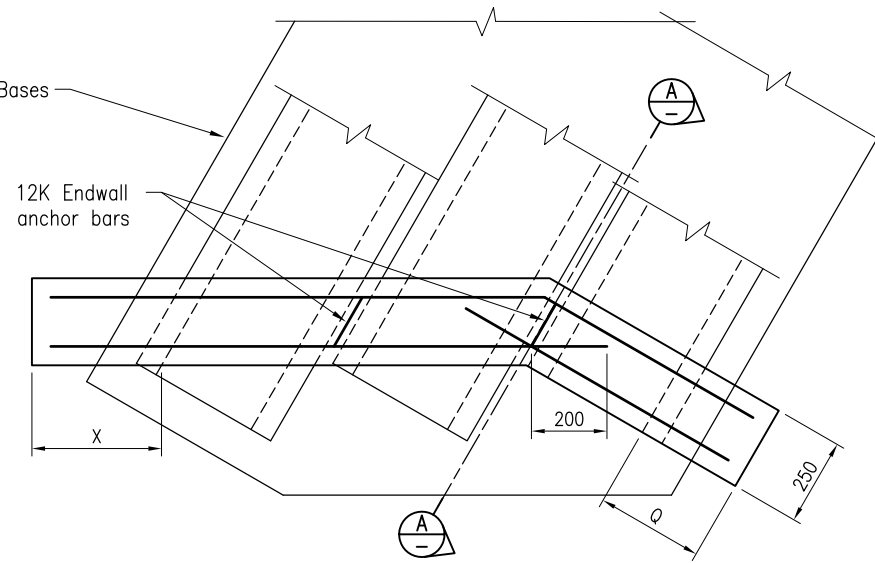
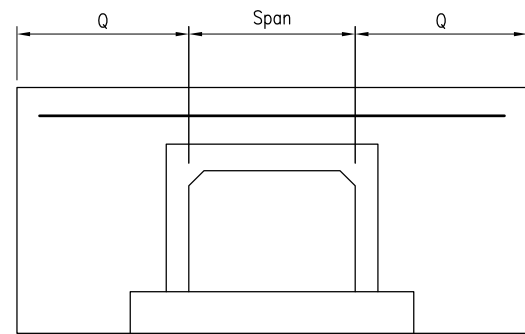


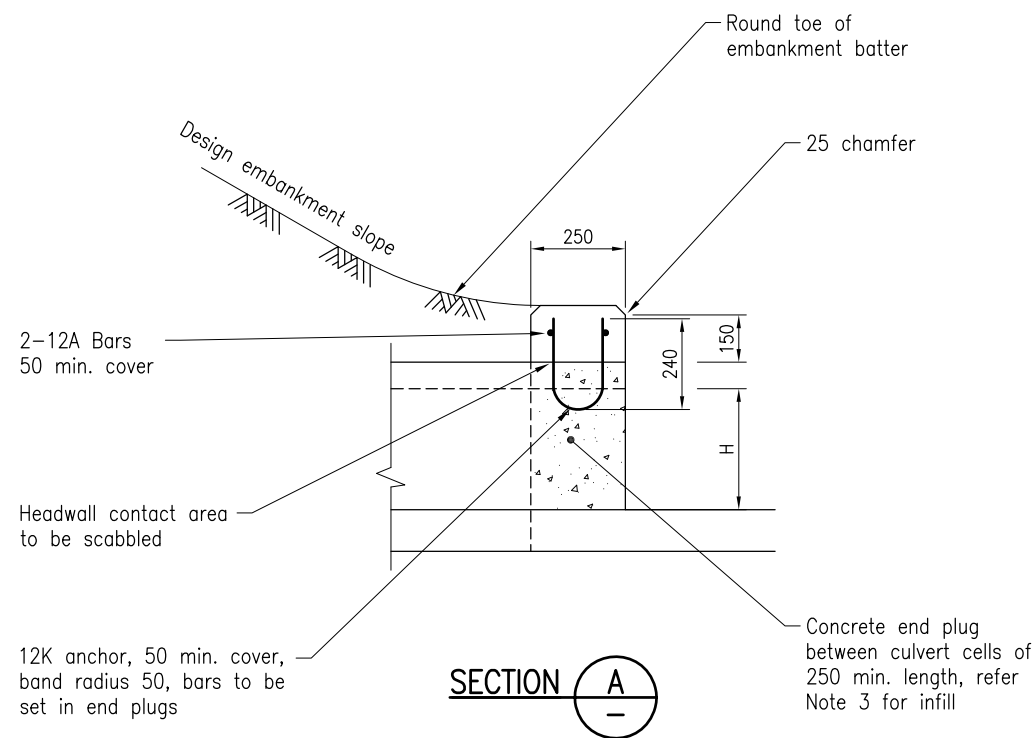
PLAN



PLAN - MULTIPLE SKEW CULVERT



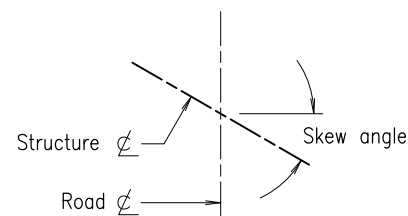
ELEVATION



SECTION A

SKEW ANGLE	DIM	HEIGHT OF CULVERT, H					
		150	225	300	375	450	600
0-10	Q	250	300	450	600	750	900
11-20	X	250	300	500	650	800	1000
21-30	X	300	350	550	700	900	1100
31-45	X	300	400	600	800	1000	1200

TABLE OF DIMENSIONS



SKEW ANGLE

NOTES:

1. CONCRETE
Concrete grade S32/20 for exposure classification B1, (S40/20 for exposure classification B2 and S50/20 for exposure classification C). Cover to reinforcement to be 50mm unless shown otherwise.
2. REINFORCING BARS to be grade D500N to AS/NZS 4671.
3. INFILL between legs of multiple culverts is achieved by placing S32/20 (S40/20) concrete end plugs of 250mm minimum length at both ends of the structure and infill the remaining gap with 1:10 lean mix having maximum aggregate size of 10mm packed dry. Do not use fluid grout as hydrostatic head will damage culvert legs.
4. DIMENSIONS are in millimetres unless shown otherwise.

ASSOCIATED DEPARTMENTAL DOCUMENTS:

- Standard Drawings
- Specifications

REFERENCED DOCUMENTS:

- Departmental Standard Drawings:
 - 1043 Reinforcing Steel – Standard Bar Shapes
 - 1316 RC Box Culverts and Slab Link Box Culverts – General Arrangement and Installation of Precast Units

Departmental Specifications:

- MRTS70 Concrete
- MRTS71 Reinforcing Steel

Australian Standards:

- AS/NZS 4671 Steel Reinforcing Materials.
- AS3600 Concrete Structures

Department of Transport and Main Roads			
R C BOX CULVERTS			
CONSTRUCTION OF END STRUCTURES H = 150 - 600		A3	Standard Drawing No
		Not to Scale	1174
		Date	6/14
		G	