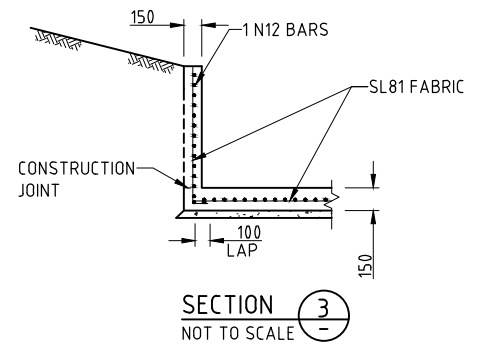
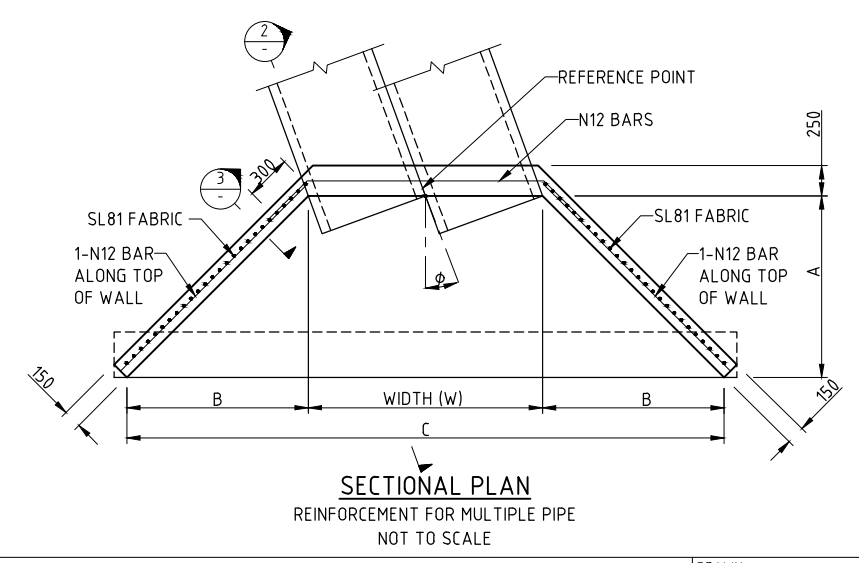
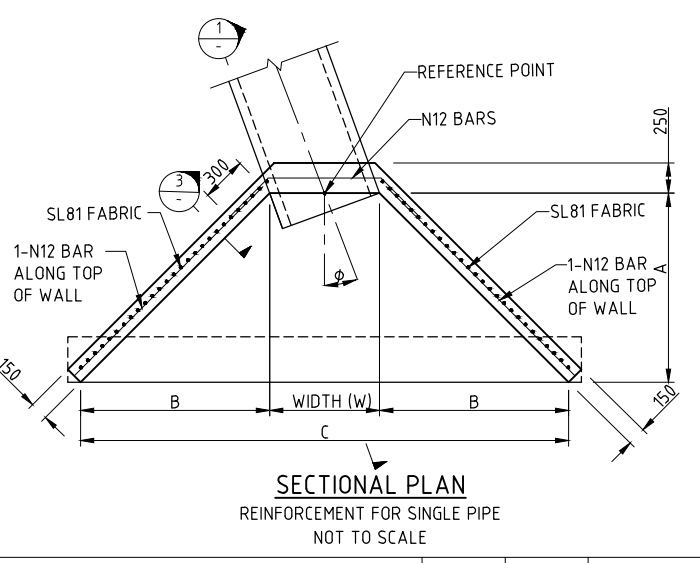
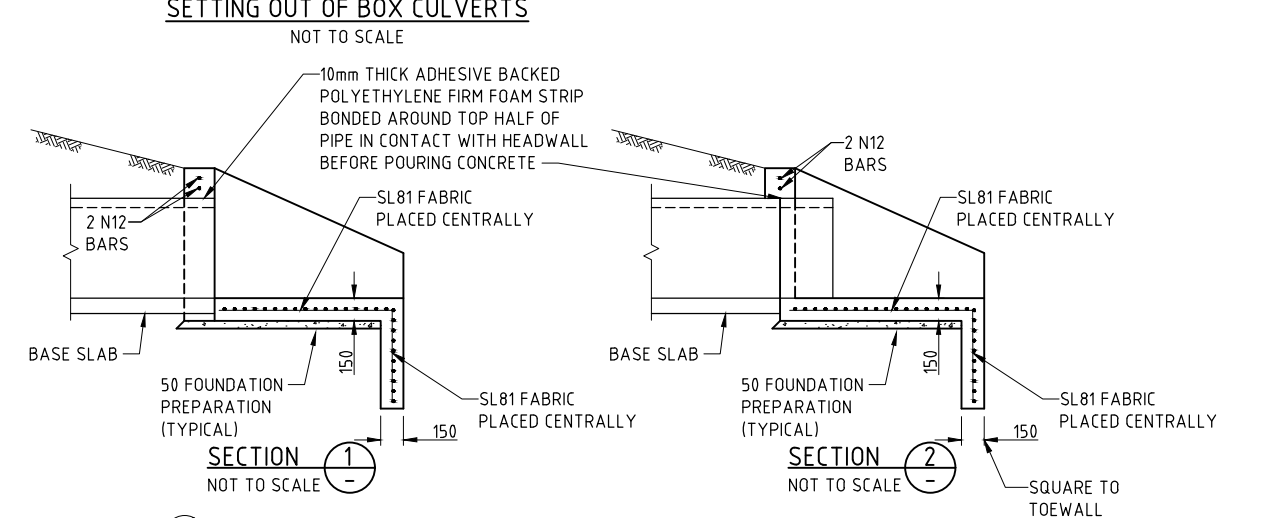
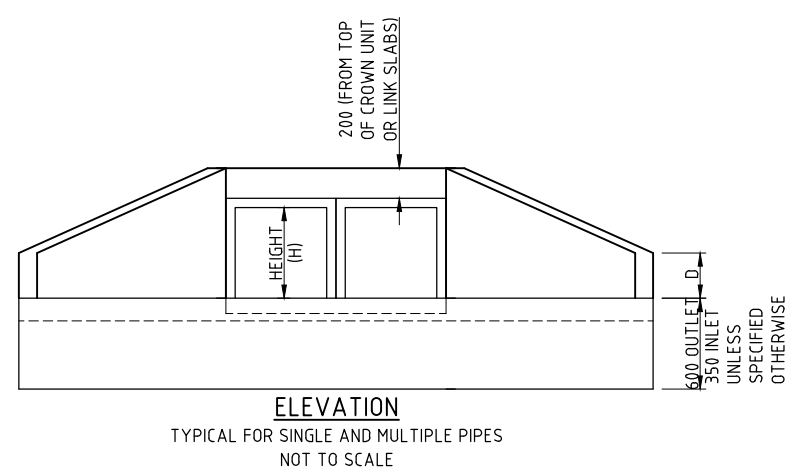


SETTING OUT DIMENSIONS					
H	A	D	SKEW ANGLE ϕ LESS THAN 20°		SKEW ANGLE ϕ ALL
			B	C	F
450	1000	250	1000	W+2000	700
600	1200	300	1200	W+2400	950
750	1400	350	1400	W+2800	N/A
900	1600	400	1600	W+3200	N/A
1050	1800	450	1800	W+3600	N/A
1200	2000	500	2000	W+4000	N/A



NOTE:

- DESIGN LOADS:**
- IN ACCORDANCE WITH AUSTRALIAN BRIDGE DESIGN CODE AS 5100-2017.
 - HEADWALLS ARE NOT DESIGNED FOR GUARDRAIL IMPACT FORCES.
- CONCRETE:**
- GRADES S40
- COVER:**
- MINIMUM CLEAR COVER TO BE 50mm.
- CONCRETE EXPOSURE CLASSIFICATION:**
- IN ACCORDANCE WITH REQUIREMENTS IN AUSTRALIAN BRIDGE DESIGN CODE AS 5100-2017 FOR CONCRETE EXPOSURE CLASSIFICATION.
 - COVER AND CONCRETE STRENGTH SHOWN ON DRAWINGS SATISFY REQUIREMENTS FOR EXPOSURE CLASSIFICATION B1 AND B2.
 - FOR EXPOSURE CLASSIFICATIONS C AND U, THE FOLLOWING SHALL APPLY.

EXPOSURE CLASSIFICATION	MINIMUM CLEAR COVER (mm)	
	40 MPa CONCRETE	50 MPa CONCRETE
C (SALT-RICH ARID AREAS OR IN SEA WATER)	60	50
U (IN SOFT OR RUNNING WATER OR AGGRESSIVE SOILS - SULPHATE IONS - pH<4.0)	-	70

REINFORCEMENT:

- REINFORCING BAR SHALL BE D500N AND MESH SHALL BE D500L IN ACCORDANCE WITH AS/NZS 4671-2001.
 - MINIMUM LAPS, UNLESS SHOWN OTHERWISE: BARS 300mm, FABRIC 100mm.
- CHAMFERS:**
- ALL EXPOSED EDGES TO BE PROVIDED WITH 20mm CHAMFERS.
- FOUNDATION PREPARATION:**
- 50mm COMPACTED SAND.
- REFERENCE DRAWINGS:**
- FOR CULVERT BASE DETAILS, REFER TO CS-3111 AND CS-3112.
 - FOR RCBC AND LINK SLAB DETAILS REFER TO CS-3109 AND CS-3110.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

THIS DRAWING IS DERIVED FROM TRANSPORT SOUTH AUSTRALIA STANDARD DRAWING S-4002, SHEET 19 AND ADOPTED FOR THE NT CONDITIONS.

No.	DESCRIPTION	DATE	NAME	DEPT/COMPANY
2	HEAD WALL ANGLE MODIFIED FOR RCBC	JUNE 2018	S.J.	EES/DIPL
1	HEADWALL DETAILS ADDED	DEC 2017	J.S.	EES/DIPL
0	ISSUED AS A STANDARD DRAWING	SEPT 2017	J.LEESON	EES/DIPL

WARNING
 BEWARE OF UNDERGROUND SERVICES.
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

DRAWN	CHECKED
J.LEESON	S.HATZI
DATE DESIGNED	DATE CHECKED
S.A.	S.A.
DATE	DATE
DESIGN LEADER	DESIGN DIRECTOR
S.HATZI	S.JACKSON
DATE	DATE
1/09/2017	1/09/2017



STANDARD DRAWINGS DRAINAGE					
RCBC 450mm HIGH TO 1200mm HIGH HEADWALL & WINGWALL DETAILS 0° TO 20° SKEW ANGLE					
FILE No.	ASSET No.	SHEET No.	DRAWING No.	AMEND.	SHEET SIZE
-	-	1 OF 1	CS-3107	2	A1