



GENERAL NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES.
- Q = CUBIC METRES OF CONCRETE REQUIRED FOR TWO ENDWALLS FOR SINGLE CELL.
- AC = CUBIC METRES OF CONCRETE REQUIRED FOR EACH ADDITIONAL CELL FOR TWO ENDWALLS. PROVIDE 50 NB WEEPHOLES WITH AN APPROVED GEOTEXTILE BACKING ON A 2m GRID IN HEADWALLS. FIRST ROW OF WEEPHOLES SHALL BE AT CULVERT INVERT LEVEL.
- PROVIDE 50 NB WEEPHOLES WITH AN APPROVED GEOTEXTILE BACKING ON A 2m GRID IN HEADWALLS. FIRST ROW OF WEEPHOLES SHALL BE AT CULVERT INVERT LEVEL.
- PROVIDE 300 THICK LAYER OF FREE DRAINING 20mm NOMINAL SIZE AGGREGATE TO FULL HEIGHT BEHIND ENDWALLS.

NOMINAL PIPE SIZE (d)	SKEW 0°-30°		SKEW 35°-45°		NOMINAL PIPE SIZE (d)	SKEW 0°-30°		SKEW 35°-45°	
	BAR	CRS.	BAR	CRS.		BAR	CRS.	BAR	CRS.
2100	N12	AT 300	N20	AT 300	2850	N16	AT 300	N20	AT 250
2250	N16	AT 300	N20	AT 300	3000	N20	AT 300	N20	AT 200
2400	N16	AT 300	N20	AT 300	3300	N20	AT 300	N20	AT 200
2550	N16	AT 300	N20	AT 300	3600	N20	AT 300	N20	AT 200
2700	N16	AT 300	N20	AT 300					

NOMINAL PIPE SIZE (d)	SKEW 0°												SKEW 15°												SKEW 30°												SKEW 45°															
	D	H	A	X	G	L	B	S	T	C	Q	AC	D	H	A1	X1	G	L	B	S	T	C	Q	AC	D	H	A1	X1	G	L	B	S	T	C	Q	AC	D	H	A2	A3	X1	G	L	B1	S	T	C	Q	AC			
2100	2160	2310	1080	3360	1200	4020	2010	3480	250	950	13.14	5.02	1120	3480									13.24	5.19	1250	3380										13.54	5.79	1530	1780	4750					6960	6030			250	1230	19.09	7.09
2250	2310	2460	1160	3510	1200	4320	2160	3740	250	1000	14.87	5.49	1200	3630									14.97	5.68	1340	4050										15.33	6.34	1640	1890	4960					7480	6480			250	1330	21.70	7.77
2400	2460	2610	1230	3660	1200	4620	2310	4000	250	1050	16.68	6.01	1270	3790									16.79	6.23	1420	4230										17.19	6.95	1740	1990	5180					8000	6930			300	1500	28.23	8.51
2550	2610	2760	1310	3810	1200	4920	2460	4260	250	1100	18.63	6.53	1360	3940									18.77	6.74	1510	4400										19.18	7.55	1850	2100	5390					8520	7380			300	1550	31.33	9.25
2700	2760	2910	1380	3960	1200	5220	2610	4520	250	1150	20.64	7.09	1430	4100									20.79	7.34	1590	4570										21.26	8.19	1950	2200	5600					9040	7830			300	1600	34.55	10.03
2850	2910	3060	1460	4110	1200	5520	2760	4780	250	1180	22.71	7.65	1510	4250									22.86	7.91	1690	4750										23.41	8.84	2060	2310	5810					9560	8280			300	1650	37.96	10.82
3000	3060	3210	1530	4260	1200	5820	2910	5040	250	1230	24.92	8.25	1580	4410									25.08	8.55	1770	4920										25.08	8.55	2160	2410	6020					10080	8730			300	1700	41.50	11.67
3300	3360	3510	1680	4560	1200	6420	3210	5560	250	1330	29.70	9.49	1740	4720									29.91	9.82	1940	5270										30.60	10.98	2380	2630	6450					11120	9630			350	1900	55.90	13.42
3600	3660	3810	1830	4860	1200	7020	3510	6080	300	1400	39.48	10.82	1890	5030									39.70	11.21	2110	5610										40.53	12.49	2590	2840	6870					12160	10530			400	2050	72.75	15.28

16/01/2007 9:44:10 AM X:\CIVIL STANDARD DRAWINGS\2. CULVERTS\C(S)1118-2\C(S)1118 - 2.dgn

2.	DRAWING CONVERTED TO ELECTRONIC FORMAT & DEPARTMENT LOGO CHANGED	02/2003	K.S.
1.			
No.	DESCRIPTION	DATE	INIT.
	AMENDMENTS		

DRAWN	CHECKED
DATE DESIGNED	DATE CHECKED
DATE DESIGN PROJECT LEADER	DATE PROJECT OFFICER
<i>Blair</i>	<i>P. J. Toll</i>
12 APRIL 2004	10 APRIL 2004


Northern Territory Government
 Department of Planning and Infrastructure

STANDARD DRAWING
HEADWALLS TO
HELICAL LOCK SEAM PIPE CULVERTS
2100mm TO 3600mm DIAMETER

FILE No.	ASSET No.	SHEET No.	DRAWING No.	AMEND.	SHEET SIZE
		4 OF 4	C(S)1118-2		A1