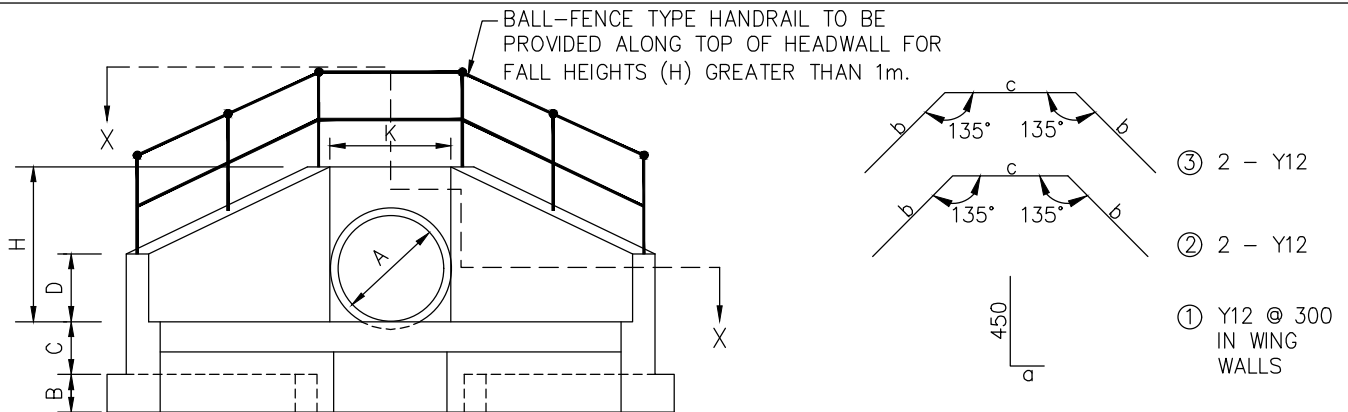
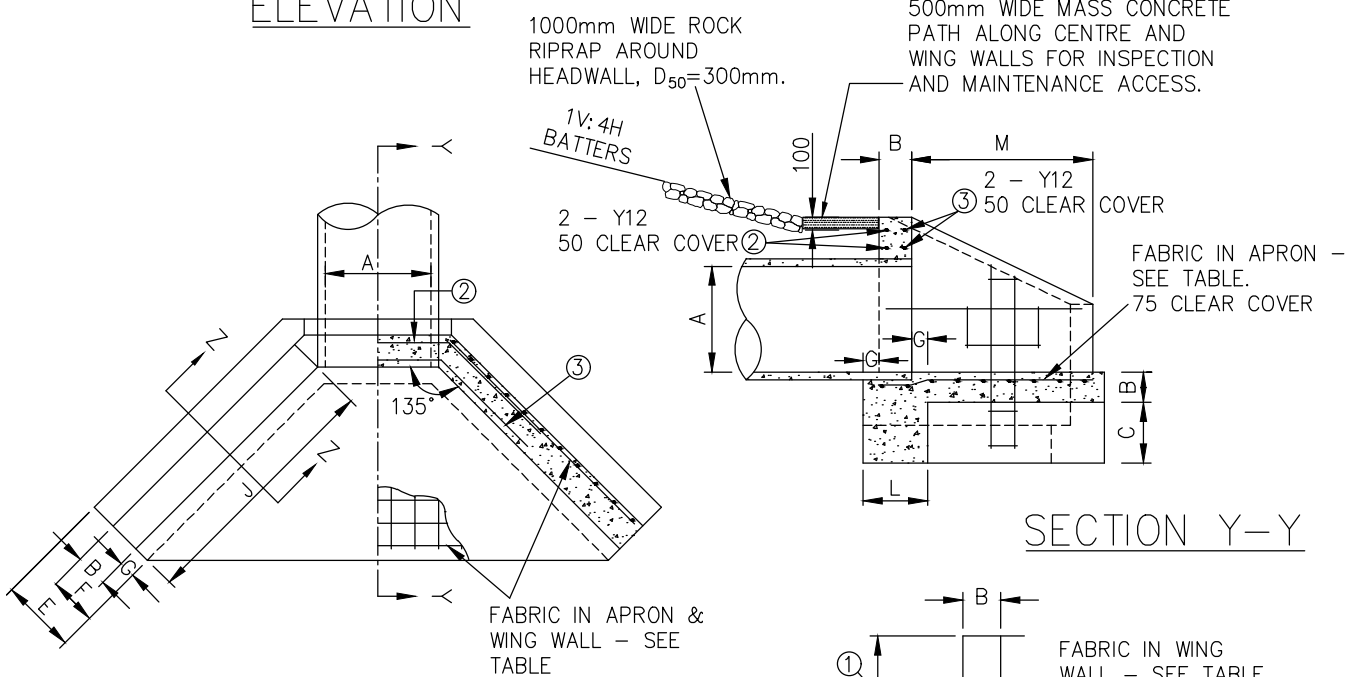


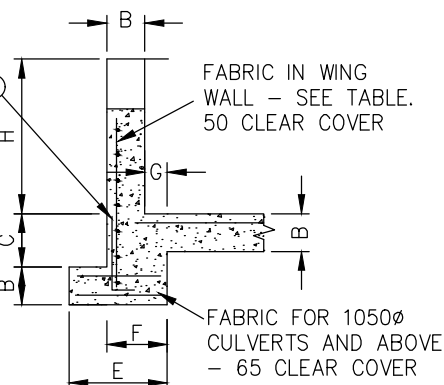


ELEVATION



PLAN/SECTION X-X

SECTION Y-Y



SECTION Z-Z

NOTE:

THIS DETAIL RELATES TO OUTLET HEADWALLS ONLY. INLET HEADWALLS REQUIRE SITE/PROJECT SPECIFIC APPROVAL AND WILL ONLY BE CONSIDERED WHERE THERE IS NO RISK OF PERSONS BEING SWEEPED INTO THE CLOSED DRAINAGE SYSTEM BY RESTRICTING THE OPENING SIZE, VELOCITY AND DEPTH, BY PHYSICALLY RESTRICTING ACCESS OR BY USING A MORE APPROPRIATE INLET STRUCTURE (SUCH AS A SKIRTED SURCHARGE PIT LID - SEE SD.6) AS PER THE CURRENT VERSION OF AUSTRALIAN RAINFALL AND RUNOFF.

PIPE SIZE	HEADWALL DIMENSIONS												REINFORCEMENT			
A	B	C	D	E	F	G	H	J	K	L	M	FABRIC No.	a	b	c	
300	150	230	300	300	225	75	550	710	370	300	500	SL82	100	650	410	
375	150	230	300	300	225	75	630	930	450	300	660	"	100	750	490	
450	150	230	300	300	225	75	700	1130	540	300	800	"	100	750	580	
525	150	230	300	300	225	75	780	1360	620	300	960	"	100	750	660	
600	180	350	380	450	290	110	930	1560	700	400	1100	SL92	160	750	740	
675	205	325	380	450	315	110	1010	1780	790	425	1260	"	190	750	830	
750	205	325	380	450	315	110	1060	1980	870	425	1400	"	190	750	910	
825	230	300	380	450	340	110	1160	2210	950	450	1560	SL102	210	750	990	
900	230	300	380	450	340	110	1230	2400	1030	450	1700	"	210	750	1070	
1050	260	340	450	700	390	130	1380	2630	1200	520	1860	"	260	750	1240	
1200	260	340	450	700	390	130	1550	3110	1360	520	2200	"	260	750	1400	
1350	260	440	530	700	390	130	1700	3310	1530	520	2340	"	260	750	1570	
1500	260	440	530	900	390	130	1880	3820	1680	520	2700	"	260	750	1720	
1650	260	490	600	900	390	130	2050	4100	1850	520	2900	"	260	750	1890	
1800	260	490	600	900	390	130	2210	4550	2010	520	3220	"	260	750	2050	

NOTES:

1. COMPRESSIVE STRENGTH OF CONCRETE TO BE f'_c 25MPa AT 28 DAYS.
2. ALL EXPOSED CORNERS TO HAVE 12mm CHAMFER.
3. ALL QUANTITIES ARE FOR ONE HEADWALL ONLY.
4. REINFORCEMENT BARS TO BE TEMP CORE BARS IN ACCORDANCE WITH AS/NZS 4671.
5. ALL DIMENSIONS ARE IN MILLIMETRES.