

HYDRAULIC INFORMATION	CULVERT NUMBER		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	
	CATCHMENT AREA	km <sup>2</sup>	0.150	5.650	0.410	0.310	0.360	0.060	1.650	0.770	0.060	0.140	0.170	0.180	0.030	0.100	0.040	0.910	5.970	0.220	3.720	-	0.150	0.700	0.320	0.050	1.560	0.110	0.250	0.730	0.300	
	RETURN PERIOD	YRS	1:10	1:15	1:5	1:5	1:5	1:5	1:5	1:15	1:15	1:5	1:5	1:5	1:5	1:5	1:5	1:10	1:15	1:5	1:15	-	1:5	1:10	1:10	1:5	1:15	1:5	1:5	1:10	1:5	
	MEAN ANNUAL PRECIPITATION	MAP	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	
CULVERT SETTING OUT DATA & INFORMATION	DISTANCES OF CHAINAGE	km	0.120	1.139	1.877	2.401	2.463	3.348	3.633	4.252	4.558	4.686	4.881	5.261	5.644	6.032	6.069	6.685	7.088	7.222	7.978	8.412	8.936	9.215	9.647	9.911	10.305	10.700	10.982	11.367	11.772	
	CULVERT TYPE: BOX (B) / PIPE (P)	(B)/(P)	B	B	B	B	P	P	B	B	P	B	B	B	P	B	B	B	B	B	B	P	B	B	B	P	B	B	B	B	B	
	PROPOSED CULVERT (NOMINAL SIZE)	S x H (m)	0.9 x 0.6	1.8 x 1.8	1.2 x 0.9	1.2 x 0.9	600mmØ	600mmØ	1.5 x 1.2	1.5 x 1.2	600mmØ	0.9 x 0.45	0.9 x 0.45	1.5 x 0.6	600mmØ	0.9 x 0.45	0.9 x 0.45	1.5 x 1.2	1.8 x 1.8	1.2 x 0.6	1.5 x 1.2	600mmØ	0.9 x 0.45	1.5 x 1.2	1.5 x 0.9	600mmØ	1.8 x 1.5	1.2 x 0.45	1.2 x 0.6	1.2 x 0.6	1.2 x 0.6	
	PROPOSED CULVERT (NUMBER OF BARRELS)	(No.)	2	4	2	2	1	1	4	2	1	2	1	1	1	1	1	2	3	1	3	1	1	2	2	1	1	1	1	1	1	
	PROPOSED NUMBER OF BOXES (PER BARREL)	(No.)	8	9	9	9	-	-	10	9	-	9	8	9	-	8	8	9	9	9	10	-	14	9	9	-	12	8	10	9	9	
	CULVERT SKEW ANGLE	Degree	90	84	90	76	90	109	121	90	64	91	90	97	68	85	87	112	90	71	107	90	86	90	90	90	90	90	84	90	90	89
	CULVERT TYPE	(1:2:3)	1	1	1	2	1	2	3	1	3	1	1	1	3	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1	
	CULVERT DATA (REFER TO NOTE 2)	TOTAL LENGTH (L) (HEADWALL TO HEADWALL)	(m)	9.76	10.98	10.98	10.98	12.00	10.90	12.20	10.98	11.00	10.98	9.76	10.98	10.80	9.76	9.76	10.98	10.98	10.98	12.20	10.50	17.08	10.98	10.98	9.50	14.64	9.76	12.20	10.98	10.98
FLOOR SLOPE (FROM LEFT TO RIGHT)	%	0.5	1.0	2.0	2.0	0.9	-2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	1.0	3.0	2.0	1.0	2.0	2.0	3.3	1.0	2.0	2.0	3.0	2.0	2.0	
INVERT LEVEL (LEFT)	(m)	432.142	430.529	435.129	435.507	434.92	420.225	412.931	413.283	413.257	412.405	413.878	412.026	413.457	407.953	407.934	408.586	403.468	407.114	403.767	417.559	405.81	404.752	402.549	407.2	398.996	403.664	400.315	400.234	399.774		
INVERT LEVEL (RIGHT)	(m)	432.093	430.419	434.91	435.287	434.812	420.52	412.687	413.064	413.037	412.185	413.682	411.807	413.241	407.758	407.836	408.366	403.358	406.784	403.523	417.454	405.468	404.532	402.187	407.105	398.703	403.468	399.949	400.014	399.555		
INLET / OUTLET STRUCTURE DATA (FOR DIMENSIONS REFER TO DRW. EN/3587/SW/3/001/002) (FOR TYPICAL REINFORCING DETAILS REFER TO DRW. EN/2957/SW/3/003)	INLET / OUTLET STRUCTURE DIMENSIONS																															
	JA	mm	700	1950	1020	1020	642	642	1325	1325	642	550	550	725	642	550	550	1325	1950	720	1325	642	550	1325	1025	642	1650	570	720	720	720	
	JB	mm	300	400	400	400	300	300	400	400	300	300	300	300	300	300	300	400	400	300	400	300	300	400	400	300	400	300	300	300	300	300
	HD	mm	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
	HB	mm	150	250	250	250	150	150	250	250	150	150	150	150	150	150	150	250	250	150	250	150	150	250	250	150	250	150	150	150	150	150
	HC	mm	700	1950	1020	1020	642	642	1325	1325	642	550	550	725	642	550	550	1325	1950	720	1325	642	550	1325	1025	642	1650	570	720	720	720	
	HA	mm	1000	2350	1420	1420	942	942	1725	1725	942	850	850	1025	942	850	850	1725	2350	1020	1725	942	850	1725	1425	942	2050	870	1020	1020	1020	
	L	mm	1500	1800	1600	1600	1500	1500	1700	1700	1500	1400	1400	1700	1500	1400	1400	1700	1800	1600	1700	1500	1400	1700	1700	1500	1800	1600	1600	1600	1600	
	S	mm	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
	QA	mm	866	1039	924	429	866	866	2944	981	0	808	808	981	402	808	808	1700	1039	429	1700	866	808	981	981	866	1039	924	924	924	924	
	PA	mm	866	1039	924	1600	866	866	0	981	2598	808	808	981	1500	808	808	456	1039	1600	456	866	808	981	981	866	1039	924	924	924	924	
	NA	mm	1602	1934	1703	1589	1602	1602	2967	1819	1500	1487	1487	1833	1493	1487	1487	2154	1934	1596	2154	1602	1487	1819	1819	1602	1934	1718	1718	1718	1718	
	MA	mm	1602	1934	1703	2013	1602	1602	1700	1819	2610	1487	1487	1833	1896	1487	1487	1693	1934	2038	1693	1602	1487	1819	1819	1602	1934	1718	1718	1718	1718	
	QB	mm	491	520	520	466	491	491	900	520	425	491	491	491	440	491	491	636	520	440	636	491	491	520	520	491	520	491	491	491	491	
	PB	mm	491	520	520	636	491	491	450	520	850	491	491	491	601	491	491	466	520	601	466	491	491	520	520	491	520	491	491	491	491	
	KA	mm	225	250	250	250	225	225	250	250	225	225	225	225	225	225	225	250	250	225	250	225	225	250	250	225	250	225	225	225	225	
	KB	mm	213	225	225	318	213	213	0	225	368	213	213	213	301	213	213	116	225	301	116	213	213	225	225	213	225	213	213	213	213	
	PC	mm	368	390	390	318	368	368	450	390	213	368	368	368	301	368	368	435	390	301	435	368	368	390	390	368	390	368	368	368	368	
	GA	mm	1620	4809	1979	1949	817	817	4400	2319	782	1620	1020	1355	790	1020	1020	2384	3719	1158	3319	817	1020	2319	2319	817	1539	1185	1185	1185	1185	
	FA	mm	1620	4809	1979	2044	817	817	4150	2319	1007	1620	1020	1355	875	1020	1020	2289	3719	1243	3224	817	1020	2319	2319	817	1539	1185	1185	1185	1185	
W	mm	2720	9040	3380	3380	1114	1114	7800	4060	1114	2720	1520	2190	1114	1520	1520	4060	6860	1850	5930	1114	1520	4060	4060	1114	2500	1850	1850	1850	1850		
GB	mm	101	87	87	140	101	101	0	87	0	101	101	101	147	101	101	33	87	147	33	101	101	87	87	101	87	101	101	101	101		
FB	mm	101	87	87	33	101	101	0	87	10	101	101	101	58	101	101	140	87	58	140	101	101	87	87	101	87	101	101	101	101		
R	mm	210	250	225	225	0	0	245	245	0	210	210	245	0	210	210	245	250	225	245	0	210	245	245	0	250	225	225	225	225		
T	mm	300	380	330	330	0	0	370	370	0	300	0	0	0	0	0	370	380	0	370	0	0	370	370	0	0	0	0	0	0		
IN-SITU FLOOR SLAB DATA (REFER TO DRW. EN/3587/SW/3/001/002)	IN-SITU FLOOR SLAB DIMENSIONS																															
	PRECAST CULVERT SPAN (INSIDE)	mm	900	1800	1200	1200	600	600	1500	1500	600	900	900	1500	600	900	900	1500	1800	1200	1500	600	900	1500	1500	600	1800	1200	1200	1200	1200	
	IN-SITU FLOOR SLAB THICKNESS (JC																															