

HYDRAULIC INFORMATION	CULVERT NUMBER		C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	C70	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C86	C87	
	CATCHMENT AREA	km ²	0.939	0.040	0.496	-	0.040	0.100	0.810	-	0.180	0.050	0.030	0.210	0.090	5.790	0.080	-	3.030	0.220	0.030	0.030	-	0.780	1.380	0.270	0.060	0.030	1.268	0.340	1.701	
	RETURN PERIOD	YRS	1:15	1:5	1:10	-	1:5	1:5	1:15	-	1:5	1:5	1:5	1:5	1:5	1:15	1:5	-	1:15	1:5	1:5	1:5	-	1:10	1:15	1:5	1:5	1:5	1:15	1:5	1:15	
	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	575
CULVERT SETTING OUT DATA & INFORMATION	DISTANCES OF CHAINAGE	km	27.924	28.856	29.195	29.462	29.537	29.888	30.152	30.228	30.474	30.628	30.751	30.950	31.179	31.423	31.768	31.960	32.170	32.367	32.675	32.904	33.233	33.314	34.055	34.476	34.654	34.815	35.546	36.057	36.157	
	CULVERT TYPE: BOX (B) / PIPE (P)	(B)/(P)	B	P	B	P	P	B	B	P	B	P	P	B	P	B	P	P	B	B	P	P	P	B	B	B	P	P	B	B	B	
	PROPOSED CULVERT (NOMINAL SIZE)	S x H (m)	1.8 x 1.5	600mmØ	1.5 x 0.6	600mmØ	600mmØ	0.9 x 0.45	1.5 x 1.5	600mmØ	1.5 x 0.9	600mmØ	600mmØ	1.2 x 0.6	600mmØ	1.8 x 1.5	600mmØ	600mmØ	1.8 x 1.5	1.2 x 0.6	600mmØ	600mmØ	600mmØ	1.5 x 0.6	1.5 x 1.2	1.5 x 0.6	750mmØ	600mmØ	1.5 x 1.2	1.2 x 0.45	1.5 x 1.2	
	PROPOSED CULVERT (NUMBER OF BARRELS)	(No.)	1	1	2	1	1	1	1	1	1	1	1	2	1	3	1	1	2	1	1	1	1	3	2	2	1	1	3	2	2	
	PROPOSED NUMBER OF BOXES (PER BARREL)	(No.)	10	-	10	-	-	14	11	-	9	-	-	8	-	9	-	-	9	9	-	-	-	9	9	11	-	-	9	8	10	
	CULVERT SKEW ANGLE	Degree	90	90	73	90	90	75	58	90	89	104	99	90	85	86	90	90	84	109	90	90	90	72	68	85	88	133	90	89	125	
	CULVERT TYPE	(1:2:3)	1	1	2	1	1	2	3	1	1	2	2	1	1	1	1	1	1	2	1	1	1	2	2	1	1	3	1	1	3	
CULVERT DATA (REFER TO NOTE 2)	TOTAL LENGTH (L) (HEADWALL TO HEADWALL)	(m)	12.20	10.00	12.20	10.00	10.00	17.08	13.42	10.00	10.98	10.90	10.10	9.76	10.40	10.98	12.80	10.00	10.98	10.98	9.80	10.00	10.00	10.98	10.98	13.42	10.80	14.10	10.98	9.76	12.20	
	FLOOR SLOPE (FROM LEFT TO RIGHT)	%	1.5	2.0	4.3	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	1.5	5.0	4.0	5.0	2.0	2.0	-0.8	
	INVERT LEVEL (LEFT)	(m)	349.299	363.229	350.487	358.679	359.458	346.201	345.116	346.135	343.541	343.373	343.32	342.844	342.161	337.757	342.525	344.855	336.657	341.458	343.927	343.257	340.657	340.064	336.16	338.729	339.305	341.441	337.119	330.998	329.62	
	INVERT LEVEL (RIGHT)	(m)	349.116	363.029	349.963	358.479	359.258	345.859	344.714	345.935	343.321	343.155	343.118	342.648	341.953	337.538	341.757	344.655	336.438	341.239	343.731	343.057	340.557	339.844	335.995	338.059	338.873	340.736	336.899	330.803	329.718	
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	1650	642	725	642	642	550	1625	642	1025	642	642	720	540	1650	642	642	1650	720	642	642	642	725	1325	725	794	642	1325	570	1325	
	JB	mm	400	300	300	300	300	300	400	300	400	300	300	300	300	400	300	300	400	300	300	300	300	400	300	300	300	300	400	300	300	400
	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	250	150	150	150	150	150	250	150	250	150	150	150	150	250	150	150	250	150	150	150	150	150	250	150	150	150	250	150	150	250
	HC	mm	1650	642	725	642	642	550	1625	642	1025	642	642	720	540	1650	642	642	1650	720	642	642	642	725	1325	725	794	642	1325	570	1325	
	HA	mm	2050	942	1025	942	942	850	2025	942	1425	942	942	1020	840	2050	942	942	2050	1020	942	942	942	1025	1725	1025	1094	942	1725	870	1725	
	L	mm	1800	1500	1700	1500	1500	1400	1700	1500	1700	1500	1500	1600	1500	1800	1500	1500	1800	1600	1500	1500	1500	1700	1700	1700	1500	1500	1700	1600	1700	
	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	0.7
	QA	mm	1039	866	456	866	866	375	456	866	981	1500	1500	924	866	1039	866	866	1039	1600	866	866	866	456	456	981	866	2598	981	924	2944	
	PA	mm	1039	866	981	866	866	1400	1700	866	981	402	402	924	866	1039	866	866	1039	429	866	866	866	1700	1700	981	866	0	981	924	0	
	NA	mm	1934	1602	1700	1602	1602	1389	1693	1602	1819	1896	1896	1718	1602	1934	1602	1602	1934	2038	1602	1602	1602	1700	1693	1833	1602	2610	1819	1718	2967	
	MA	mm	1934	1602	1833	1602	1602	1755	2154	1602	1819	1493	1493	1718	1602	1934	1602	1602	1934	1596	1602	1602	1602	2179	2154	1833	1602	1500	1819	1718	1700	
	QB	mm	520	491	440	491	491	440	466	491	520	601	601	491	491	520	491	491	520	601	491	491	491	440	466	491	491	850	520	491	900	
	PB	mm	520	491	491	491	491	601	636	491	520	440	440	491	491	520	491	491	520	440	491	491	491	601	636	491	491	425	520	491	450	
	KA	mm	250	225	225	225	225	225	250	225	250	225	225	225	225	250	225	225	250	225	225	225	225	225	250	225	225	225	250	225	250	
	KB	mm	225	213	213	213	213	301	318	213	225	110	110	213	213	225	213	213	225	110	213	213	213	301	318	213	213	0	225	213	0	
	PC	mm	390	368	368	368	368	301	318	368	390	411	411	368	368	390	368	368	390	411	368	368	368	301	318	368	368	425	390	368	450	
	GA	mm	1539	817	2263	817	817	993	1354	817	1384	875	875	1950	817	3719	817	817	2629	1243	817	817	817	3198	2289	2290	911	1007	3254	1950	2530	
	FA	mm	1539	817	2290	817	817	1078	1449	817	1384	790	790	1950	817	3719	817	817	2629	1158	817	817	817	3283	2384	2290	911	782	3254	1950	2280	
W	mm	2500	1114	4060	1114	1114	1520	2190	1114	2190	1114	1114	3380	1114	6860	1114	1114	4680	1850	1114	1114	1114	5930	4060	4060	1302	1114	5930	3380	4060		
GB	mm	87	101	147	101	101	147	140	101	87	58	58	101	101	87	101	101	87	58	101	101	101	147	140	101	101	10	87	101	0		
FB	mm	87	101	101	101	101	58	33	101	87	147	147	101	101	87	101	101	87	147	101	101	101	58	33	101	101	0	87	101	0		
R	mm	250	0	245	0	0	210	245	0	245	0	0	225	0	250	0	0	250	225	0	0	0	245	245	245	0	0	245	225	245		
T	mm	0	0	370	0	0	0	0	0	0	0	0	330	0	380	0	0	380	0	0	0	0	370	370	370	0	0	370	330	370		
IN-SITU FLOOR SLAB DATA (REFER TO DRW. EN/3587/SW/3/001/002)	IN-SITU FLOOR SLAB DIMENSIONS																															
	PRECAST CULVERT SPAN (INSIDE)	mm	1800	600	1500	600	600	900	1500	600	1500	600	600	1200	600	1800	600	600	1800	1200	600	600	600	1500	1500	1500	750	600	1500	1200	1500	
	IN-SITU FLOOR SLAB THICKNESS (JC)	mm	190	0	175	0	0	150	175																							