

HYDRAULIC INFORMATION	CULVERT NUMBER		C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	C51	C52	C53	C54	C55	C56	C57	C58	
	CATCHMENT AREA	km <sup>2</sup>	15.440	0.360	0.020	1.330	1.290	0.060	-	-	0.030	3.120	0.590	0.840	0.120	0.170	0.050	2.020	-	1.650	0.370	0.050	0.050	1.700	0.890	0.970	0.050	0.050	-	3.030	0.999	
	RETURN PERIOD	YRS	1:15	1:10	1:5	1:15	1:15	1:5	-	-	1:5	1:15	1:5	1:10	1:5	1:5	1:5	1:15	-	1:15	1:5	1:5	1:5	1:15	1:10	1:10	1:5	1:5	-	1:15	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	13.295	14.466	14.992	15.155	15.987	16.623	17.071	17.300	18.140	18.920	19.233	19.734	19.988	20.372	20.867	21.512	22.182	22.709	23.214	23.447	24.475	24.711	24.926	25.382	25.949	26.156	26.537	27.206	27.735	
	CULVERT TYPE: BOX (B) / PIPE (P)	(B)/(P)	B	B	P	B	B	P	P	P	P	B	B	B	B	B	B	B	P	B	B	P	P	B	B	B	P	P	P	B	B	
	PROPOSED CULVERT (NOMINAL SIZE)	S x H (m)	1.8 x 1.8	1.5 x 0.9	600mmØ	1.5 x 1.2	1.5 x 1.2	600mmØ	600mmØ	600mmØ	600mmØ	1.5 x 1.2	1.5 x 0.6	1.5 x 1.2	0.9 x 0.45	1.5 x 0.6	0.9 x 0.45	1.5 x 1.2	600mmØ	1.5 x 1.5	1.5 x 0.6	600mmØ	600mmØ	1.5 x 1.2	1.5 x 1.2	1.5 x 1.5	600mmØ	600mmØ	600mmØ	1.8 x 1.5	1.8 x 1.8	
	PROPOSED CULVERT (NUMBER OF BARRELS)	(No.)	4	2	1	2	2	1	1	1	1	4	2	1	1	1	1	3	1	2	2	1	1	3	2	1	1	1	1	2	1	
	PROPOSED NUMBER OF BOXES (PER BARREL)	(No.)	10	9	-	9	9	-	-	-	-	9	8	10	9	9	8	9	-	10	9	-	-	12	8	9	-	-	-	11	10	
	CULVERT SKEW ANGLE	Degree	77	90	114	90	90	114	90	90	92	90	90	90	90	90	91	90	90	105	90	92	87	49	91	91	87	90	90	71	91	
	CULVERT TYPE	(1:2:3)	22	1	3	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	3	1	1	1	1	1	2	1	
	CULVERT DATA (REFER TO NOTE 2)	TOTAL LENGTH (L) (HEADWALL TO HEADWALL)	(m)	12.20	10.98	10.90	10.98	10.98	11.20	10.00	10.00	10.80	10.98	9.76	12.20	10.98	10.98	9.76	10.98	10.00	12.20	10.98	10.60	10.60	14.64	9.76	10.98	11.80	10.60	10.40	13.42	12.20
FLOOR SLOPE (FROM LEFT TO RIGHT)		%	1.0	2.0	2.0	2.0	1.0	2.0	-2.0	-2.0	-3.0	2.0	2.0	2.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	-3.0	1.0	1.0	1.0	2.0	2.0	-2.0	2.0	1.5
INVERT LEVEL (LEFT)		(m)	388.413	397.377	405.988	404.34	401.999	419.494	415.95	414.712	401.725	384.819	385.043	381.05	383.645	381.745	382.975	369.201	375.277	360.235	363.877	364.39	365.791	357.002	356.697	354.448	363.429	366.057	363.944	350.34	350.148	
INVERT LEVEL (RIGHT)		(m)	388.291	397.157	405.77	404.121	401.889	419.27	416.15	414.912	402.049	384.599	384.847	380.806	383.37	381.525	382.779	368.981	375.077	359.991	363.657	364.178	366.109	356.856	356.6	354.338	363.193	365.845	364.152	350.072	349.965	
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	1950	1025	642	1325	1325	642	642	642	642	1325	725	1325	550	725	550	1325	642	1625	725	642	642	1325	1325	1625	642	642	642	1650	1950	
	JB	mm	400	400	300	400	400	300	300	300	300	400	300	400	300	300	300	400	300	400	300	300	300	400	400	400	300	300	300	400	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	
	HB	mm	250	250	150	250	250	150	150	150	150	250	150	250	150	150	150	250	150	250	150	150	150	250	250	250	150	150	150	250	250	
	HC	mm	1950	1025	642	1325	1325	642	642	642	642	1325	725	1325	550	725	550	1325	642	1625	725	642	642	1325	1325	1625	642	642	642	1650	1950	
	HA	mm	2350	1425	942	1725	1725	942	942	942	942	1725	1025	1725	850	1025	850	1725	942	2025	1025	942	942	1725	1725	2025	942	942	942	2050	2350	
	L	mm	1800	1700	1500	1700	1700	1500	1500	1500	1500	1700	1700	1700	1400	1700	1400	1700	1500	1700	1700	1500	1500	1700	1700	1700	1500	1500	1500	1800	1800	
	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	482	981	2598	981	981	2598	866	866	866	981	981	981	808	981	808	981	866	1700	981	866	866	0	981	981	866	866	866	482	1039	
	PA	mm	1800	981	0	981	981	0	866	866	866	981	981	981	808	981	808	981	866	456	981	866	866	2944	981	981	866	866	866	1800	1039	
	NA	mm	1797	1819	2610	1819	1819	2610	1602	1602	1602	1819	1833	1819	1487	1833	1487	1819	1602	2154	1833	1602	1602	1700	1819	1819	1602	1602	1602	1797	1934	
	MA	mm	2296	1819	1500	1819	1819	1500	1602	1602	1602	1819	1833	1819	1487	1833	1487	1819	1602	1693	1833	1602	1602	2967	1819	1819	1602	1602	1602	2296	1934	
	QB	mm	466	520	850	520	520	850	491	491	491	520	491	520	491	491	491	520	491	636	491	491	491	450	520	520	491	491	491	466	520	
	PB	mm	636	520	425	520	520	425	491	491	491	520	491	520	491	491	491	520	491	466	491	491	491	900	520	520	491	491	491	636	520	
	KA	mm	250	250	225	250	250	225	225	225	225	250	225	250	225	225	225	250	225	250	225	225	225	250	250	250	225	225	225	250	250	
	KB	mm	318	225	0	225	225	0	213	213	213	225	213	225	213	213	213	225	213	116	213	213	213	390	225	225	213	213	213	318	225	
	PC	mm	318	390	425	390	390	425	368	368	368	390	368	390	368	368	368	390	368	435	368	368	368	225	390	390	368	368	368	318	390	
	GA	mm	4779	2319	1007	2319	2319	1007	817	817	817	4189	2290	1384	1020	1355	1020	3254	817	2384	2290	817	817	3215	2319	1384	817	817	817	2599	1539	
	FA	mm	4874	2319	782	2319	2319	782	817	817	817	4189	2290	1384	1020	1355	1020	3254	817	2289	2290	817	817	3465	2319	1384	817	817	817	2694	1539	
W	mm	9040	4060	1114	4060	4060	1114	1114	1114	1114	7800	4060	2190	1520	2190	1520	5930	1114	4060	4060	1114	1114	5930	4060	2190	1114	1114	1114	4680	2500		
GB	mm	140	87	10	87	87	10	101	101	101	87	101	87	101	101	101	87	101	33	101	101	101	0	87	87	101	101	101	140	87		
FB	mm	33	87	0	87	87	0	101	101	101	87	101	87	101	101	101	87	101	140	101	101	101	0	87	87	101	101	101	33	87		
R	mm	250	245	0	245	245	0	0	0	0	245	245	245	210	245	210	245	0	245	245	0	0	245	245	245	0	0	0	250	250		
T	mm	380	370	0	370	370	0	0	0	0	370	370	0	0	0	0	370	0	370	370	0	0	370	370	0	0	0	0	380	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	1800	1500	600	1500	1500	600	600	600	600	1500	1500	1500	900	1500	900	1500	600	1500	1500	600	600	1500	1500	1500	600	600	600	1800	1800	
	IN-SITU FLOOR SLAB THICKNESS (JC)	mm	190	175	0	175	175	0	0																							