
Appendix K

Additional Lateral Risk Sites Assessment Tables

Lateral Risk #	Reach	TW Asset ID	Type	Diameter (mm)	Material	Construction Year	Horizontal Offset (m)	Radius of Curvature (m)	Channel Width (m)	(Rc/W)	Bank Protection Works	Comments
1	N1	SL4033582 MH4856914969 SL4033032	Sewer Trunk and Manhole	675	Concrete Pipe (Non-Reinforced)	1960	0 (South Bank)	40.14	5.61	7.16	None	Downstream migration of the meander bend and channel widening has exposed the manhole casing and poses risk to sewer
2	N1	SL4032404	Trunk Sewer	675	Unknown	1960	0.25 (North Bank)	13.7	5.61	2.44	Gabion Baskets	Sanitary sewer adjacent to the creek at the meander apex.
3	N1	SL4033583	Trunk Sewer	675	Unknown	1960	4.00 (North Bank)	10.9	5.61	1.94	Concrete Block Wall	Sanitary sewer adjacent to the creek at the meander apex.
4	N1	SL4033584	Trunk Sewer	675	Unknown	1960	10.5 (North Bank)	27.17	5.61	4.84	Partial Coverage with Gabion Baskets in Poor Condition	Sewer parallel to Newtonbrook Creek in the valley slope downstream of Forest Grove Dr.
5	N2	SL4034031	Trunk Sewer	675	Unknown	1960	6.00 (North Bank)	10.15	7.98	1.27	None	Sewer parallel to Newtonbrook Creek in the valley slope upstream of Forest Grove Dr.
6	N2	SL4033585	Trunk Sewer	675	Reinforced Concrete Pipe	1960	4.00 (North Bank)	18.23	7.98	2.28	None	Sewer parallel to Newtonbrook Creek. The closest point of contact is at an unarmoured eroding bank.
7	N2	SL4032401	Trunk Sewer	675	Reinforced Concrete Pipe	1960	0.75 (East Bank)	77.09	7.98	9.66	None	Sewer parallel to Newtonbrook Creek. The closest point of contact is at an unarmoured eroding bank.
8	N2	SL4031857	Trunk Sewer	675	Concrete Pipe (Non-Reinforced)	1960	5.00 (South Bank)	11.96	7.98	1.50	Gabion Baskets	Sewer parallel to Newtonbrook Creek. The closest point of contact is at a section protected by gabion baskets, the bottom baskets have emptied.
9	N2	SL4031887	Trunk Sewer	675	Reinforced Concrete Pipe	1960	0.25 (North Bank)	30.88	7.98	3.87	Rip Rap	Sewer parallel to Newtonbrook Creek. The closest point of contact is at a section protected by rip rap at the toe, bank protection has washed out from the upper bank.
10	N2	SL4031888	Trunk Sewer	675	Reinforced Concrete Pipe	1960	0.00 (South Bank)	15.47	7.98	1.94	None	Sewer parallel to Newtonbrook Creek. Substrate rip rap is still intact, banks are unprotected and currently eroding. The offset from risk is minimal.
11	N2	SL4033483 MH4918613545 SL4031888	Manhole and Trunk Sewer	675	Reinforced Concrete Pipe	1960	2.00 (South Bank)	31.31	7.98	3.92	Armourstone	Exposed manhole and outflanked armourstone create a risk to the sanitary sewer that runs parallel to Newtonbrook Creek.
12	N4	SL4032958	Trunk Sewer	675	Concrete Pipe	1960	0.10 (North Bank)	21.59	7.50	2.88	None	Sewer parallel to Newtonbrook Creek. While offset is minimal, asset has ~ 0.2 m of cover and vertical degradation rate controls TTC
13	N4	SL4033490 MH4934112589 SL4032958	Trunk Sewer and Manhole	675	Reinforced Concrete Pipe	1960	2.50 (North Bank)	15.18	7.50	2.02	Boulder Revetment	Sewer parallel to Newtonbrook Creek with boulder bank protection.

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14	N4	SL4033488	Trunk Sewer	675	Concrete Pipe	1960	2.00 (East Bank)	15.95	7.50	2.13	Gabion Baskets	Sewer parallel to Newtonbrook Creek with failed gabion baskets. The emptied baskets have some rip rap protection, basket wire has rusted through.
15	N4	SL4033487	Trunk Sewer	675	Unknown	1960	2.50 (East Bank)	97.85	7.50	13.05	Gabion Baskets	Sewer parallel to Newtonbrook Creek with failed gabion baskets. The emptied baskets have some rip rap protection, basket wire has rusted through.
16	N4	SL4033486	Trunk Sewer	675	Unknown	1960	2.50 (North Bank)	97.85	7.50	13.05	Rip Rap	Sewer parallel to Newtonbrook Creek. While offset is minimal, asset has ~ 0.7 m of cover and vertical degradation rate controls TTC
17	Br1	SL4053177	Trunk Sewer	300	Asbestos Cement	1977	12.00 (North Bank)	13.64	2.74	4.98	None	Sewer parallel to Blue Ridge Creek. The closest point of contact is at an unarmoured eroding bank.
18	Br1	SL4051741	Trunk Sewer	300	Asbestos Cement	1977	3.00 (North Bank)	20.22	2.74	7.38	Armourstone	Sewer parallel to Blue Ridge Creek with Armourstone and boulder bank protection.
19	Br1	MH4825114957 SL4030369	Manhole and Trunk Sewer	300	Asbestos Cement	1955	3.50 (West Bank)	35.66	2.74	13.01	None	Sewer parallel to Blue Ridge Creek. The closest point of contact is at an unarmoured eroding bank.
20	Br1	SL4030487	Trunk Sewer	300	Asbestos Cement	1977	3.50 (West Bank)	15.61	2.74	5.70	None	Sewer parallel to Blue Ridge Creek. The closest point of contact is at an unarmoured eroding bank.
21	Br1	SL4030294	Trunk Sewer	300	Asbestos Cement	1977	6.00 (West Bank)	14.72	2.74	5.37	Armourstone	Sewer parallel to Blue Ridge Creek with Armourstone bank protection.
22	Br1	SL4030293	Trunk Sewer	300	Asbestos Cement	1977	0.50 (West Bank)	12.29	2.74	4.49	None	Sewer parallel to Blue Ridge Creek. The closest point of contact is at an unarmoured eroding bank.