

APPENDIX B – MANHOLE REPAIRS

APPENDIX B - SITE SPECIFIC MANHOLE CONDITIONS AND REPAIRS REQUIREMENTS

	STREET NAME	LOCATION DETAILS	MANHOLE ID	MANHOLE CONDITION	REPAIRS REQUIRED
1	ARMOUR CRESCENT (W LEG)	2ND MH S OF ARMOUR CRESCENT (N LEG)	S-MH20003510	Top 0.4m of risers in very poor condition	Patch top 0.4m of 750mm conc risers, grout riser joint at 0.5m, patch cracked MH base at 1.75m
2	ARMOUR CRESCENT (W LEG)	MH AT ARMOUR CRESCENT (S LEG)	S-MH20003442	Top 0.4m of risers in poor condition	Patch top 0.3m of 750mm conc risers
3	ARMOUR CRESCENT (S LEG)	MH AT HARRIS BOULEVARD	S-MH20003443	Top 0.75m of risers in poor condition	Patch top 0.75m of 750mm conc risers
4	GRANT AVENUE	1ST MH W OF CATHCART STREET	S-MH60002139	Frame cracked	Replace frame and cover
5	GRANT AVENUE	MH AT ELMHURST ROAD	S-MH60002085	MH in good condition	Grout riser joint at 2.2m and 3.4m
6	GRANT AVENUE	3RD MH W OF SHAFTESBURY BOULEVARD	S-MH60002005	MH in fair condition	Patch top 0.2m of 750m brick risers
7	GRANT AVENUE	4TH MH W OF SHAFTESBURY BOULEVARD	S-MH60002004	MH in good condition	No action required
8	GRANT AVENUE	1ST MH W OF SHAFTESBURY BOULEVARD	S-MH60003156	Top riser section cracked and chipped	Patch top 0.2m of 750mm conc riser
9	GRANT AVENUE	2ND MH W OF SHAFTESBURY BOULEVARD	S-MH60002002	MH in good condition	No action required
10	GRANT AVENUE	MH AT SHAFTESBURY BOULEVARD (E ½)	S-MH60003161	MH in fair condition	Patch cracked 750mm conc riser sections from 1.4m to 2.8m
11	GRANT AVENUE	MH AT SHAFTESBURY BOULEVARD (½)	S-MH70026626	MH in good condition	No action required
12	GRANT AVENUE	1ST MH E OF BOWER BOULEVARD	S-MH60003158	MH in fair condition	Grout riser joint at 1.3m
13	GRANT AVENUE	1ST MH E OF SHAFTESBURY BOULEVARD	S-MH60003157	Top 0.1m concrete riser broken	Replace top 0.1m of 750 conc risers, grout riser joint at 1.6m
14	GRANT AVENUE	1ST MH E OF LAIDLAW BOULEVARD	S-MH60003239	Forcemain discharge pipe at 1.7m, MH in fair condition	Grout all MH riser joints
15	ST MATTHEWS AVENUE	MH AT WALL STREET (W OF ½)	S-MH20008617	Top riser section cracked, MH in good condition	Replace top 0.1m of 750mm conc risers
16	ST MATTHEWS AVENUE	1ST MH W OF WALL ST	S-MH20008624	Old horseshoe steps (only 2 newer steps at top), MH in fair condition	Install 11 new steps
17	WELLINGTON CRESCENT	1ST MH E OF NIAGARA STREET	S-MH60005667	MH in good condition	Grout all MH riser joints
18	WELLINGTON CRESCENT	2ND MH E OF NIAGARA STREET	S-MH60005666	MH in good condition	No action required
19	GROSVENOR AVENUE (½)	MH AT OXFORD STREET (W ½)	S-MH70019074	MH in good to fair condition	Replace top 0.1m of 750mm conc risers, replace bottom step
20	GROSVENOR AVENUE (½)	MH AT WAVERLEY STREET	S-MH60007116	MH in very poor condition	Patch brick risers just below frame, patch cracked conc risers from 0.65m to 4.75, gout all riser joints
21	THURSO STREET	MH AT DORCHESTER AVENUE	S-MH60008542	MH in good condition	Patch top 0.2m of 750mm conc riser
22	THURSO STREET	MH AT GROSVENOR AVENUE	S-MH60008485	MH in good condition	Grout riser joint at 3.5m
23	DALY STREET N	MH AT PEMBINA HIGHWAY	S-MH60007578*	MH in fair condition	No action required
24	DALY STREET N	MH AT FLEET AVENUE	S-MH60001565*	MH in fair condition	No action required
25	RIVERSIDE DRIVE	MH AT WINDERMERE AVENUE	S-MH60011275	MH in good condition	Patch top 0.1m of 750mm conc riser, grout all conc risers joints
26	RIVERSIDE DRIVE	MH AT SOMERVILLE AVENUE	S-MH60011277	MH in good condition	Patch brick risers just below frame, grout all 750mm conc riser joints
27	RIVERWOOD AVENUE	1ST MH E OF POINT ROAD	S-MH60011374	MH in fair to poor condition, frame cracked, top concrete riser sections fractured, bracket in MH base	Replace MH frame, replace 750mm concrete risers sections from 0.45m to 1.7m

28	RIVERWOOD AVENUE	MH AT NETLEY STREET	S-MH60011405	MH in fair condition, weir in base of MH	Grout riser joint at 0.35m, patch brick risers from 0.75m to 1.0m, install 18 new steps (remove existing steps)
29	WILDEWOOD GOLF COURSE	1ST MH E OF NETLEY STREET	S-MH70061635*	MH in fair condition	No action required
30	WILDEWOOD GOLF COURSE	2ND MH E OF NETLEY STREET	S-MH60011407	MH in fair condition, weir in base of MH, partial brick wall in MH base	Grout all riser joints, remove bricks in MH base and replace MH benching
31	WILDEWOOD GOLF COURSE	MH AT OAKENWALD AVENUE (N ½)	S-MH60011451	MH in good condition	Patch top 0.15m of 750mm conc riser
32	WILDEWOOD GOLF COURSE	2ND MH N OF OAKENWALD AVENUE	S-MH70007770	Concrete weir in MH base	Patch holes in conc risers and base at 0.5m, 1.5m, 2.4m, 3.5m, 4.9m, 6.1m
33	WILDEWOOD GOLF COURSE	3RD MH N OF OAKENWALD AVENUE	S-MH60011408	Slide gate in MH base, MH in fair condition	Patch 750mm concrete riser sections from 0.85m to 1.9m, grout all conc riser joints, replace 15 steps, replace MH benching
34	WILDEWOOD GOLF COURSE	1ST MH S OF NORTH DRIVE	S-MH70061636*	Only 1 step in manhole	Install 12 new steps, replace benching
35	WILDEWOOD GOLF COURSE	MH AT NORTH DRIVE	S-MH60018620	MH in fair condition	Grout conc riser joint just below frame, patch 750mm conc riser at 1.4m, grout conc riser joint at 1.9m, 2.2m, 2.5m, repair benching
36	LA VERENDRYE STREET	MH AT TACHE AVENUE (E OF ½)	S-MH50003874*	Top brick risers have shifted	Replace top 0.60m of 750mm concrete risers
37	LA VERENDRYE STREET	MH AT TACHE AVENUE (W OF ½)	S-MH70010257*	MH in good condition	No action required
38	LA VERENDRYE STREET	1ST MH W OF TACHE AVENUE	S-MH50004115*	There is a second MH frame 0.45m under surface, MH in good condition	No action required
39	ARCHIBALD STREET	1ST MH S OF ELMWOOD ROAD	S-MH50012170*	No steps in manhole	Install 25 new steps
40	COTTONWOOD ROAD	MH AT COTTONWOOD ROAD (½)	S-MH50004812	Top 0.3m of risers in poor condition	Replace top 0.3m of 750mm concrete risers, grout riser joint at 2.4m, 3.05m, and 4.9m
41	LAGIMODIERE BOULEVARD	MH AT FERMOR AVENUE (N ½)	S-MH50003080	Frame cracked	Replace cracked frame, grout riser joints at 0.3m and 2.2m
42	LAGIMODIERE BOULEVARD	1ST MH S OF FERMOR AVENUE	S-MH50003081	MH in good condition	Grout riser joint at 2.3m
43	KILDARE AVENUE	1ST MH W OF SOUTHAMPTON PLACE	S-MH40008840	Frame cracked, top 0.1m of risers cracked and fractured, bent steps and missing steps	Replace frame, replace top 0.1m of 750mm concrete riser, replace step at 1.7m and at 2.0m , install 5 new additional steps
44	KILDARE AVENUE	1ST MH E OF WAYOTA STREET	S-MH40008842	Cover in poor condition, broken step at 2.9m	Replace cover, replace broken step at 2.9m, grout riser joint at 0.75m
45	KILDARE AVENUE	MH AT WAYOTA STREET	S-MH40008815	Frame in poor condition, missing steps, top 0.3 risers in poor condition	Replace frame, replace top 0.3m of 750mm concrete risers, install 7 additional steps

* - no video available for condition assessment, only visual inspection completed