

APPENDIX 'D'

COMBINED SEWER OVERFLOW REVIEW

2025 Sewer Renewals by CIPP Lining - Contract 5
Tender No. 1138-2025
Appendix D - Combined Sewer Overflow Review and Bypass Pumping

Asset Number	Street Name	Upstream Invert (m)	Drainage Area (ha)	Average DWF (L/s)	Overflow Node Asset ID	Overflow Water Level (m)	Overflow Description & Comment
S-MA20017053	ADELAIDE ST (CL)	228.359	2.83	N/A	S-MH20014342	229.402	Backed up flow will spill into the SRS via a weir at S-MH20014342 on Adelaide St at Notre Dame Ave. The SRS ultimately discharges via McDermot Ave. to the Red River or could be pumped, at Lombard Pl., to the Bannatyne Pump Station. The exact configuration is unclear.
S-MA00005498	AMBERGATE DR (N BV)	225.510	98.51	13.2	S-MH00004872	228.35	Backed up flow will spill into the sanitary via a BN at S-MH00004872 on Verona Dr, flowing east to Vistula Way and back to Ambergate Dr.
S-MA00005484	AMBERGATE DR (N BV)	225.250	98.51	9.1	None	N/A	No upstream overflow relief.
S-MA00004488	BLECHNER DR	227.478	47.76	N/A	S-MH00003979	228.426	Backed up flow will spill back into the sanitary system at S-MH00003979 on Maren Cres., flowing east on Manren Cres. to Pipeline Rd. Flows then travel north to Adsum Dr. and east to the North End WWTF.
S-MA00010175	CARRUTHERS AV	228.430	2.10	N/A	None	N/A	Upstream high-end manhole. No upstream system or incoming flows.
S-MA20008105	COLLEGIATE ST	232.541	1.92	N/A	None	N/A	No upstream overflow relief.
S-MA20001197	CORBETT DR W LEG)	235.821	24.65	N/A	S-MH20001056	235.821	Backed up flow will spill back into the sanitary system at upstream manhole S-MH20001056, flowing over to Goswell Rd. and south to the Trans Canada Highway. Then flows travel east to the Westwood Lift Station.
S-MA20009809	EMPRESS(W.PL)	229.880	5.61	N/A	None	N/A	No upstream overflow relief.
S-MA20002178	GERROND BY (N LEG)	233.315	9.80	N/A	None	N/A	No upstream overflow relief.
S-MA20003627	GOLF BV	232.127	20.49	N/A	None	N/A	No upstream overflow relief.
S-MA00011654	HARTFORD AV (CL)	226.730	3.35	N/A	None	N/A	No upstream overflow relief.
S-MA70026715	INKSTER BV.	225.530	17.40	N/A	S-MH00010871	226.37	Backed up flow will spill into the SRS at S-MH00010871 on Inkster Blvd at Powers St. SRS flows will travel eastward to S-TE00002112 at St. Cross St., ultimately re-entering the combined system at Polson Ave.
S-MA20018577	ISABEL ST	226.710	14.40	N/A	S-MH20016632	227.209	Backed up flow will spill back into the combined system at upstream manhole S-MH20016632 at McDermot Ave, ultimately flowing to the Bannatyne Pump Station.
S-MA70069623	ISABEL ST	226.862	5.71	0.3	S-MH70032815	227.26	Backed up flow will spill into the SRS via a weir at upstream manhole S-MH70032815. SRS flows south on Isabel St to William Ave, ultimately discharge to the Red River via McDermot Ave.
S-MA70026389	KATE ST	227.579	3.08	2.3	S-MH70028637 S-MH70028387	228.930 228.934	Backed up flow will spill to the SRS at BN S-MH70028637 on Elgin Ave at Sherbrook St. Backed up flow will also spill back to the combined system at upstream MH S-MH70028387 on Kate St at Elgin Ave.
S-MA00010131	LANSDOWNE AV	228.440	2.10	N/A	S-MH00006712	228.46	Upstream high-end manhole overflow connection to SRS. Backed up flow will spill west into the SRS, then immediately back into the combined on McGregor St. Flows head south to Polson Ave. and then east ultimately discharging to the Polson Pump Station.
S-MA20013793	LIPTON ST	227.808	1.76	N/A	None	N/A	No upstream overflow relief.
S-MA20014996	LIPTON ST	229.090	0.54	N/A	S-MH20013540	229.29	Upstream high-end manhole overflow connection to SRS S-MH20013540, flowing east on Westminster and south on Ruby Street to the Assiniboine River.
S-MA00004351	MAEVISTA PL	228.080	71.21	N/A	S-MH00004667	228.44	Backed up flow will spill into the sanitary via a BN at S-MH00004667 on Blechner Dr at Nicholson Cres, flowing flow go north to Adsum Dr. and east to the North End WWTF.
S-MA00016359	MANDALAY DR	225.960	28.98	2.7	S-MH00004252	227.42	Backed up flow will spill into the sanitary at S-MH00004252 on Margate Rd at Neville St, flowing east to Desharnals St. and then north to Adsum Dr. Flows ultimately discharge to the North End WWTF.
S-MA00005655	MANDALAY DR	225.950	43.78	4.1	S-MH00004956	227.427	Backed up flow will spill west into the sanitary at S-MH00004956 on Jefferson Ave at Wentwood Cres, flowing west to Adsum Dr. Flows then travel east to the North End WWTF.
S-MA20007707	MARJORIE ST.	232.187	2.54	N/A	None	N/A	Upstream high-end manhole. No upstream system or incoming flows.
S-MA00004323	MARTELL CR S LEG	228.710		N/A	S-MH00003859	228.7	Upstream high-end split manhole. Backed up flow will spill south at Blechner Dr. flowing west toward Pipeline Road.
S-MA00010182	MCGREGOR ST.	228.600	5.63	N/A	S-MH00006709	228.6	Upstream high-end split manhole at S-MH00006709. Backed up flow will spill south to Polson Ave. and then east ultimately discharging to the Polson Pump Station.
S-MA20016621	MCMICKEN ST	227.652	3.47	N/A	None	N/A	Upstream high-end manhole. No upstream system or incoming flows.
S-MA20013647	MIDDLE GATE	228.515	2.91	N/A	None	N/A	Upstream high-end manhole. No upstream system or incoming flows.

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S-MA00010475	MOUNTAIN AV.	227.590	3.81	N/A	S-MH00008210	228.32	Backed up flow will spill north into the combined at S-MH00008210 on Mountain Ave at Fife St, flowing north to Troy Ave, then generally east towards the Jefferson Pump Station.
S-MA20008789	PARKVIEW ST	231.246	0.76	N/A	S-MH20008164	231.246	Upstream high-end split manhole S-MH20008164. Backed up flows will continue west towards Roseberry St. or Collegiate St., ultimately arriving at the Ferry Pump Station.
S-MA20004175	POOLE CR	233.843	17.68	N/A	None	N/A	Upstream high-end manhole. No upstream system or incoming flows.
S-MA20008912	PORTAGE AV (RIVERBEND LIFT STATION)	225.198	289.99	4.0 (ADWF) 29.0 (Peak DWF)	S-MH20008302	226.09	Asset is located at the intake to the Riverbend pump station, at the downstream end of the Riverbend CS district. The CS district does not appear to be relieved upstream of Riverbend Lift Station. However, weir overflow to Assiniboine River is located downstream of S-MA20008916 at S-MH20008302. DWF estimated from the upstream trunk sewer main.
S-MA70100297	PORTAGE AV (S. OF CL TO S. CURB)	224.510	528.43	26.2	S-MH20008313	230.15	Upstream CS system does not appear to be relieved between Riverbend Lift Station and Ferry Road Lift Station (no upstream CSO), and does not appear to have any service connections.
S-MA70100290							Flow modeling demonstrates that any two of the three siphon barrels have sufficient capacity to convey dry weather flows. WWF modeling suggests HGL surcharge to approx. 231.8m elev. under 1 in 5-year WWF with 500 siphon removed from service.
S-MA20009009							The ADWF presented is the flow approaching the siphon, prior to being divided.
S-MA20003533	RAQUETTE ST	235.204	17.15	N/A	None	N/A	No upstream overflow relief.
S-MA00012944	ROBINSON ST	228.201	3.46	N/A	None	N/A	No upstream overflow relief.
S-MA70157949	ROW S OF ELLICE	Unknown	0.30	N/A	None	N/A	Upstream high-end manhole. No upstream system or incoming flows.
S-MA20010454	SANFORD ST	229.923	3.62	N/A	S-MH20009527	230.243	Backed up flow will spill into the combined system at S-MH20009527 half a block south on Sanford St, flowing south to Sargent Ave.
S-MA20010520	SASKATCHEWAN AV.	229.898	4.71	N/A	None	N/A	No upstream overflow relief.
S-MA20017728	SHERBURN ST	227.909	2.29	N/A	S-MH20015847	229.08	Backed up flow will spill into the SRS via a weir at S-MH20015847 on Sherburn north of Wellington Ave. SRS flows south on Sherburn St. to ultimately discharge to the Assiniboine River outfall at Aubrey Pump Station.
S-MA20017737	SHERBURN ST	228.082	1.49	N/A	S-MH20015847	229.08	Backed up flow will spill into the SRS via a weir at S-MH20015847 on Sherburn north of Wellington Ave. SRS flows south on Sherburn St. to ultimately discharge to the Assiniboine River outfall at Aubrey Pump Station.
S-MA00012299	SINCLAIR ST (CL)	227.530	4.81	N/A	S-MH00010721	227.95	Backed up flow will spill into the SRS via a weir at S-MH00010721 on Sinclair St at Church Ave, flowing east on Church to Arlington St. and ultimately to the Red River outfall near St. John's Flood Pump Station.
S-MA20001512	STRADFORD ST	236.677	10.60	N/A	S-MH20001343	237.229	Backed up flow will spill into the sanitary at S-MH20001343 on Stradford St at Hamilton Ave and flow east to Isbister St., then east to the Westwood Lift Station.
S-MA20008013	TRURO ST.	231.578	1.39	N/A	None	N/A	Upstream high-end manhole. No upstream system or incoming flows.
S-MA20010434	WELLINGTON AV	228.694	3.62	0.100	S-MH20009527	230.243	Backed up flow will spill into the combined at S-MH20009527 on Sanford St., flowing south to Sargent Ave.
S-MA20013645	WEST GT	228.510	3.65	N/A	None	N/A	Upstream high-end manhole. No upstream system or incoming flows.
S-MA20013646	WEST GT	228.370	3.65	N/A	None	N/A	No upstream overflow relief.
S-MA20013638	WEST GT	228.370	3.65	N/A	None	N/A	No upstream overflow relief.
S-MA20013637	WEST GT	228.010	3.65	N/A	None	N/A	No upstream overflow relief.