

APPENDIX B

Water and Wastewater Infrastructure Summary

DRAFT

Table B1: Existing Water Infrastructure

Location Description	Watermain Diameter	Material
5th, 6th, 7th, 9th, 10th, 12 th Street	150 mm	Ductile Iron
11 th and 14 th Street	25 mm	Type 'K' Copper
Park Road North. From Tupper Boulevard to Lake Street	200 mm	PVC DR-18
Water Front Trail East of Third Street	150	Cement Lined Ductile Iron
Water Front Trail, West of 3 rd Street	38 mm	Type 'K' Copper
Grand Avenue, Lake Street from Grand Avenue to Betts Street	200 mm	PVC DR-18
Betts Avenue from Q.E.W. to Fair	150 mm	PVC Class 235 PSI
Betts Avenue from Fair Avenue to Temple Lane	150 mm	Cement Lined Ductile Iron
East Street, Temple Lane, Fair Avenue Wesley Avenue, Auditorium Circle,	150 mm	Cement Lined Ductile Iron
Lake Street from Betts Avenue to Baker Road	150 mm	Cement Lined Ductile Iron

1. As per Town of Grimsby GIS Mapping

Table B2: Fire Hydrant Flow Data

Historical ID	Location Description ⁽¹⁾	As Constructed Drawing	Measured Fire Flow (US Gal/min)
HYD-07-001	3rd Street W/M Installation	WM-72-14G	1,500
HYD-07-002	Victoria Terrace W/M Installation	WM-72-14E	1,500
HYD-07-004	12th Street W/M Replacement	WM-72-14C	1,500
HYD-07-005	10th Street W/M Replacement	WM-72-14C	1,500
HYD-07-006	9th Street W/M Replacement	WM-72-14C	1,500
HYD-07-007	7th Street W/M Replacement	WM-72-14C	1,500
HYD-07-008	6th Street W/M Replacement	WM-72-14C	1,500
HYD-07-009	5th Street W/M Replacement	WM-72-14C	1,500
HYD-07-010	Betts Avenue W/M Installation	WM-72-14E	1,000 to 1,500
HYD-07-011	Auditorium Circle W/M Installation	WM-72-14G	1,500
HYD-07-012	East Street W/M Installation	WM-72-14F	n/a
HYD-07-014	Lake Street W/M Replacement	WM-71-11F	1,500
HYD-07-015	Lake Street W/M Replacement	WM-71-11F	4,000
HYD-07-016	Lake Street W/M Replacement	WM-71-11F	1,500
HYD-07-017	Lake Street W/M Replacement	WM-71-11G	1,500
HYD-07-018	Bell Park W/M Installation	WM-72-14G	1,000 to 1,500
HYD-07-019	Fair Avenue W/M Installation	WM-72-14D	1,500
HYD-07-020	Fair Avenue W/M Installation	WM-72-14D	1,000 to 1,500
HYD-07-056	PWC13-06-440032	WM-Y14-67G	2,000
HYD-07-057	PWC13-06-440032	WM-Y14-67G	n/a

1. As described by Town of Grimsby

Table B3: Existing Sanitary Infrastructure

As Constructed Drawing	Location Description	Sewer Diameter	Material	Average Slope	Capacity ⁽¹⁾
SA-80-39 (D- G) (August, 1980)	5th, 6th, 7th, 8th, 10th, 12 th and 14th Street	200 mm	PVC-SDR35	0.4%	21 L/s
WM-72-14E	Temple Lane	200 mm	Concrete	Unknown	n/a
SA-63-23(A-D) WM-Y14-67(G,H)	East St, Betts Ave, Fair Ave, Wesley Ave, Grand Ave, Auditorium Cir,	200 mm	Concrete	0.4%	21 L/s
WM-Y12-65(G)	Park Road North from Temple Lane to Lake Street	250 mm	Concrete	0.3%	18 L/s
WM-Y12-65(G)	Park Road North	375 mm	Concrete	0.15% ⁽²⁾	70 L/s
SA-74-31(R-T)	Lake Street	1050 mm	Concrete	0.12%	936 L/s

1. Calculated using Mannings equation in conjunction with sewer diameter and slope
2. Calculation excludes portion of pipe with unknown slope

Table B4: Existing Sanitary Infrastructure

GRMID	Inspection Year	Overall Rating
SAGM000030	2020	4
SAGM000519	2020	2
SAGM000520	NULL	NULL
SAGM000521	2020	2
SAGM000523	2019	2
SAGM000525	2020	1
SAGM000526	2019	2
SAGM000527	NULL	NULL
SAGM000528	NULL	NULL
SAGM000529	NULL	NULL
SAGM000530	2020	5
SAGM000531	2020	3
SAGM000533	2020	0
SAGM000534	2020	5
SAGM000535	2020	0
SAGM001211	2015	0
SAGM001237	NULL	NULL
SAGM001249	2016	0
SAGM001251	2019	0
SAGM001252	2019	2
SAGM001271	NULL	NULL
SAGM001272	2019	2
SAGM001273	2019	3

SAGM001280	2019	2
SAGM001281	2019	3
SAGM001283	2016	0
SAGM001287	2015	0
SAGM001288	2020	2
SAGM001292	2015	0
SAGM001297	2020	2
SAGM001298	NULL	NULL
SAGM001299	NULL	NULL
SAGM001300	NULL	NULL
SAGM001301	2019	2
SAGM001302	2019	2
SAGM001303	2019	2
SAGM001305	2019	2
SAGM001306	NULL	NULL
SAGM001307	2019	2
SAGM001308	2019	0
SAGM001309	2019	2
SAGM001310	2019	2
SAGM001311	2020	2
SAGM001312	2020	4
SAGM001313	NULL	NULL
SAGM001314	NULL	NULL
SAGM001315	NULL	NULL
SAGM001316	2019	2
SAGM001317	2019	3
SAGM001318	2019	2
SAGM001319	2019	2
SAGM001320	2019	2
SAGM001321	2019	2
SAGM001322	2020	4
SAGM001324	2019	2
SAGM001325	2019	2
SAGM001326	2019	2
SAGM001327	2019	0
SAGM001328	2020	2
SAGM001329	2020	2
SAGM001590	2020	2
SAGM001591	2020	2
SAGM001592	2020	2

1. As described by Town of Grimsby