

Parkland County - Acheson Zone 1 and 2 Sewer Rehabilitation Program
Appendix G - Design Conditions and Repair Requirements

ASSET INFORMATION													REPAIR REQUIREMENTS						DESIGN CONDITIONS			
DWG	Pipe Line Ref.	Street Name	Location	US MH	DS MH	US Depth	DS Depth	Length	Size	Shape	Flow Type	Material	Repair Type	Services	Service Description	Cleaning	Deposit Removal	Obstruct. Removal	Cleaning Description	Condition (PD/FD)	Max Depth	Ovality (Mainline)
	97-2	HWY 16	1ST MH E OF 279 ST TO MH AT 279 ST	SSMH01-044	SSMH01-001	3.9	3.7	114.7	450	Circular	Sanitary	PVC	CIPP FSR	0	N/A	1	0	0	4.7 IWJ @ 2-9 DS.	PD	3.9	6%
	97-3	HWY 16	2ND MH E OF 279 ST TO 1ST MH E OF 279 ST	SSMH01-045	SSMH01-044	4.8	3.9	115.5	450	Circular	Sanitary	PVC	OB Removal	0	N/A	1	0	1	DS: [0.0-18.7 DAZ @ 7-5 DS; 31.2-57.7 DAZ @ 8-4 DS; 57.7 OBM @ 7-9] US: [0.0 DAZ @ 7-5 US; 57.0-72.6 DAZ @ 8-4 US; 72.6 OBM @ 7-9]	N/A	N/A	N/A
	97-4	HWY 16	3RD MH E OF 279 ST TO 2ND MH E OF 279 ST	SSMH01-046	SSMH01-045	3.9	4.8	113.7	375	Circular	Sanitary	PVC	CIPP FSR	0	N/A	1	1	0	0.0-115.3 DAZ @ 7-5 DS; 0.4 DAE @ 7-5 DS; 1.5 DAE @ 1-8 DS; 21.2 DAE @ 2-10 DS; 36.4 DAZ @ 2 DS; 84.1 DAZ @ 10 DS.	PD	4.8	13%
	L97-14	266 ST	MH AT END OF 266 ST CUL-DE-SAC TO 1ST MH N OF 266 ST (ON CDN POWER PACK PROPERTY)	SSMH01-057	SSMH01-056	4.5	4.7	117.1	375	Circular	Sanitary	PVC	CIPP FSR	0	N/A	1	1	0	0.0-10.1 DAZ @ 7-5 DS; 44.4 IS @ 10&2 DS; 108.4-115.6 DAZ @ 7-5 DS; 115.6 DAE @ 7-5.	PD	4.7	6%
	L00-04	HWY 60	1ST MH E OF HWY 60 TO 1ST MH W OF HWY 60	SSMH02-001	SSMH01-060	4.6	2.7	128.7	250	Circular	Sanitary	PVC	CIPP FSR	0	N/A	1	0	0	0.0-127.5 DAZ @ 7-5; 2.3 IS @ 9&3.	PD	4.6	1%
	L00-08	ROW	2ND MH N OF 115 AVE TO MH N OF PETRO PASS	SSMH02-003	SSMH02-02A	4.3	4.5	88.9	250	Circular	Sanitary	PVC	CIPP TPR	0	N/A	1	0	0	0.0-20.6 DAZ @ 7-5 DS; 28.0-31.6 DAZ @ 4 DS; 53.3-58.8 DAZ @ 5 DS.	FD	4.5	2%
	L00-10	261 ST	2ND MH N OF 114 AVE TO 3RD MH N OF 114 AVE	SSMH02-006	SSMH02-005	3.9	4.3	TBD	250	Circular	Sanitary	PVC	CIPP TPR & LAT	2	3.4 TSA (150) @ 2 DS; 73.2 TSD (150) @ 2.	1	0	0	N/A	FD	4.3	4%
	L00-11	261 ST	1ST MH S OF 114 AVE TO 1ST MH N OF 114 AVE	SSMH02-008	SSMH02-007	5.4	5.3	27.2	250	Circular	Sanitary	PVC	CIPP FSR	0	N/A	1	1	0	0.7-2.2 DAZ @ 4 DS; 3.6-24.3 DAZ @ 7-3 DS; 24.3 DAE @ 7.5 DS.	PD	5.4	5%
	L01-12	261 ST	2ND MH S OF 114 AVE TO 1ST MH S OF 114 AVE	SSMH02-009	SSMH02-008	5.6	5.4	120.6	250	Circular	Sanitary	PVC	CIPP LAT	2	54.0 TFA (150) @ 9 US; 57.1 TBD (150) @ 12.	1	0	0	0.0-33.9 DAZ @ 9-3 US; 55.9-57.7 DAZ @ 7-5 US; 61.6 DAZ @ 2 US; 64.3-119.8 DAZ @ 7-5 US.	FD	5.6	8%
	01-13	261 ST	3RD MH S OF 114 AVE TO 2ND MH S OF 114 AVE	SSMH02-010	SSMH02-009	3.7	5.6	TBD	250	Circular	Sanitary	PVC	CIPP LAT	2	42.8 TBD (100) @ 10 DS; 74.7 TFA (100) @ 1.	1	0	0	0.1-120.8 DAZ @ 12 DS.	FD	5.6	6%

Notes

- The Pipe Line Reference (PLR) in the above table corresponds to the pre-tender CCTV's PLR. A copy of the pre-tender CCTV is available upon request.
- Repair Type: CIPP FSR (full segment renewal); OB Removal (obstruction removal); CIPP TPR (trenchless point repair); CIPP LAT (lateral repair).
- Design Conditions: PD (partially deteriorated), FD (fully deteriorated). Ovality is estimated for the mainline sewer, within specified repair limits.
- Cleaning, Deposit and Obstruction Removal quantities are identified per each manhole-to-manhole segment.
- Cleaning Description: format "xx.x AAA (BBB) @ C-C yy", where
xx.x is chainage in yy direction.
AAA is defect code (to NASSCO PACP)
BBB is tap size, where applicable
C-C is clock position in yy direction.
yy is survey direction (DS = downstream; US = upstream)