

APPENDIX A
TELEVISION INSPECTION SUMMARY

APPENDIX A

SEWER - TELEVISION INSPECTION SUMMARY

Various Streets 2026 Sewer Rehabilitation - Worcester, MA

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
FAIRMONT AVENUE	SM02784	SS05258	SS02723	VCP	10	29	29	3	1,872	4121	4323	25	2.78
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code	Clock Position		Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments							
		From	To										
000	ACCESS POINT MANHOLE			0	0	SS05258							
000	MISCELLANEOUS WATER LEVEL			0	0	5%							
003	FRACTURE MULTIPLE	01	04	0	0								
007	CRACK LONGITUDINAL	09		0	0								
007	INFILTRATION WEEPER JOINT	07	05	288	0								
010	INFILTRATION RUNNER JOINT	08		720	0								
013	INFILTRATION STAIN JOINT	07	05	0	0								
016	DEPOSITS ATTACHED ENCRUSTATION	01	04	0	0	5%							
016	INFILTRATION RUNNER JOINT	05		432	0								
019	INFILTRATION RUNNER JOINT	05		432	0								
021	DEPOSITS ATTACHED GREASE	08	04	0	0	5%							
029	ACCESS POINT MANHOLE			0	0	SS02723							

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
FAIRMONT AVENUE	SM13218	SS02720	SS05258	VCP	8	318	318	3	0	5133	3123	31	2.38
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code	Clock Position		Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments							
		From	To										
000	ACCESS POINT MANHOLE			0	0	SS02720							
000	MISCELLANEOUS WATER LEVEL			0	0	15%							
003	TAP FACTORY CAPPED	09		0	0								
008	CRACK MULTIPLE	09	03	0	0								

016	DEPOSITS ATTACHED ENCRUSTATION	09	03	0	0	5%
019	INFILTRATION STAIN JOINT	12	04	0	0	
021	TAP BREAK-IN/HAMMER	09		0	0	
026	DEPOSITS ATTACHED ENCRUSTATION	08	12	0	0	5%
027	TAP FACTORY DEFECTIVE	03		0	0	ACTIVITY: ISJ
031	INFILTRATION STAIN JOINT	12	04	0	0	
047	TAP FACTORY ACTIVITY	09		0	0	
068	TAP FACTORY CAPPED	03		0	0	
097	TAP FACTORY CAPPED	09		0	0	
099	TAP FACTORY	03		0	0	
144	TAP FACTORY	09		0	0	
153	CRACK MULTIPLE	12	03	0	0	
156	TAP BREAK-IN/HAMMER ACTIVITY	02		0	0	
164	TAP FACTORY CAPPED	03		0	0	
174	DEPOSITS ATTACHED GREASE	09	11	0	0	5%
214	CRACK SPIRAL	09	01	0	0	
215	TAP FACTORY	03		0	0	
217	TAP FACTORY CAPPED	09		0	0	
257	FRACTURE SPIRAL	12	03	0	0	
264	CRACK SPIRAL	11	03	0	0	
265	TAP FACTORY CAPPED	03		0	0	
266	BROKEN VOID VISIBLE	07		0	0	
267	TAP FACTORY CAPPED	09		0	0	
292	CRACK SPIRAL	12	03	0	0	
318	ACCESS POINT MANHOLE			0	0	SS05258

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
FARRAR AVENUE	SM13529	SS15126	SS15127	VCP	8	261	261	3	0	2111	3A1B	61	1.79

Direction DOWNSTREAM TO UPSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS15126

000	MISCELLANEOUS WATER LEVEL			0	0	5%
000	ROOTS FINE JOINT	12		0	0	
013	ROOTS FINE JOINT	12	12	0	0	
025	ROOTS MEDIUM JOINT	12	04	0	0	25%
035	ROOTS MEDIUM LATERAL	07	10	0	0	15%
035	TAP FACTORY DEFECTIVE	09		0	0	RB, 100%
038	TAP FACTORY CAPPED	03		0	0	
062	CRACK LONGITUDINAL	11		0	0	
066	ROOTS FINE JOINT	07	11	0	0	
069	ROOTS MEDIUM JOINT	12	12	0	0	5%
078	ROOTS FINE JOINT	03		0	0	
085	TAP FACTORY DEFECTIVE	09		0	0	RFJ
086	ROOTS FINE JOINT	10	03	0	0	
088	TAP FACTORY DEFECTIVE	03		0	0	RFJ
091	ROOTS FINE JOINT	08	04	0	0	S01
112	ROOTS MEDIUM JOINT	07	05	0	0	5%
121	ROOTS MEDIUM JOINT	07	05	0	0	5%
127	ROOTS MEDIUM JOINT	04	07	0	0	10%
136	ROOTS FINE JOINT	08	04	0	0	F01
141	TAP FACTORY CAPPED	09		0	0	
158	ROOTS FINE JOINT	04		0	0	
162	ROOTS FINE JOINT	08	04	0	0	
167	ROOTS MEDIUM CONNECTION	06	10	0	0	20%
167	TAP FACTORY DEFECTIVE	09		0	0	RFJ
168	ROOTS MEDIUM JOINT	07	02	0	0	30%
174	ROOTS FINE JOINT	04		0	0	
197	TAP FACTORY DEFECTIVE	09		0	0	RFJ
198	ROOTS FINE JOINT	11	01	0	0	
199	TAP FACTORY CAPPED	03		0	0	
220	ROOTS FINE JOINT	09	10	0	0	
238	CRACK CIRCUMFERENTIAL	04	06	0	0	
261	ACCESS POINT MANHOLE			0	0	SS15127

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM01764	SS05019	SS05018	VCP	8	70	70	3	0	4232	0000	16	3.2
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	SS05019						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
013	FRACTURE SPIRAL		08	10	0	0							
020	TAP FACTORY ACTIVITY		03		0	0							
030	CRACK SPIRAL		06	11	0	0							
031	TAP FACTORY		09		0	0							
035	FRACTURE MULTIPLE		11	02	0	0							
057	FRACTURE SPIRAL		07	01	0	0							
059	FRACTURE MULTIPLE		04	08	0	0							
064	TAP FACTORY CAPPED		09		0	0							
070	ACCESS POINT MANHOLE				0	0	SS05018						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM02399	SS03085	SS03086	VCP	8	135	135	3	1,008	3222	4232	25	2.78
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	SS03085						
000	MISCELLANEOUS WATER LEVEL				0	0	10%						
032	CRACK SPIRAL		09	11	0	0							
032	INFILTRATION STAIN BARREL		08	11	0	0							
042	TAP FACTORY CAPPED		09		0	0							
044	FRACTURE LONGITUDINAL		09		0	0							
054	TAP FACTORY DEFECTIVE		03		0	0	DAE, 5%						
075	POINT REPAIR LINER				0	0	S01						
081	POINT REPAIR LINER				0	0	F01						
087	TAP FACTORY DEFECTIVE		03		0	0	ACTIVITY: DAE, 5%						

090	TAP FACTORY CAPPED		09		0	0								
113	POINT REPAIR LINER				0	0				S02				
121	POINT REPAIR LINER				0	0				F02				
123	FRACTURE SPIRAL		01	02	0	0								
123	INFILTRATION RUNNER BARREL		01		576	0								
126	FRACTURE LONGITUDINAL		02		0	0								
126	INFILTRATION RUNNER BARREL		02		432	0								
135	ACCESS POINT MANHOLE				0	0				SS03086				

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM02400	SS03086	SS03087	VCP	8	262	262	3	720	4133	4132	32	2.13

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS03086
000	MISCELLANEOUS WATER LEVEL			0	0	5%
004	TAP FACTORY CAPPED		09	0	0	
006	INFILTRATION RUNNER LATERAL		03	720	0	
006	TAP FACTORY DEFECTIVE		03	0	0	IRJ, DAE, 20%
052	TAP FACTORY DEFECTIVE		03	0	0	HSV
053	POINT REPAIR LINER			0	0	S01
060	POINT REPAIR LINER			0	0	F01
084	CRACK MULTIPLE		10 02	0	0	
084	INFILTRATION STAIN BARREL		09 04	0	0	
103	TAP FACTORY CAPPED		03	0	0	
105	TAP FACTORY CAPPED		09	0	0	
106	TAP FACTORY CAPPED		09	0	0	
150	CRACK MULTIPLE		02 03	0	0	
150	INFILTRATION STAIN BARREL		02 03	0	0	
154	TAP FACTORY ACTIVITY		03	0	0	
157	TAP FACTORY CAPPED		09	0	0	
197	CRACK SPIRAL		12 02	0	0	

197	INFILTRATION STAIN BARREL	12	03	0	0	
200	INFILTRATION STAIN JOINT	02	04	0	0	
208	TAP FACTORY	03		0	0	
213	INFILTRATION STAIN JOINT	09	03	0	0	S02
224	INFILTRATION STAIN JOINT	09	03	0	0	F02
230	LINING FEATURE DEFECTIVE END			0	0	
230	POINT REPAIR LINER DEFECTIVE			0	0	S03; LFDE, DELAMINATING
237	POINT REPAIR LINER DEFECTIVE			0	0	F03; LFDE, DELAMINATING
240	DEPOSITS ATTACHED GREASE	09	10	0	0	5%
242	MISCELLANEOUS WATER LEVEL			0	0	25%
253	TAP FACTORY	03		0	0	
256	TAP FACTORY CAPPED	09		0	0	
262	ACCESS POINT MANHOLE			0	0	SS03087

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM02401	SS03087	SS03068	VCP	8	107	107	3	0	2111	3100	6	2

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS03087
000	MISCELLANEOUS WATER LEVEL			0	0	10%
010	CRACK LONGITUDINAL	02		0	0	
030	MISCELLANEOUS GENERAL OBSERVATION	01		0	0	POSSIBLE CL
041	TAP FACTORY DEFECTIVE	03		0	0	DAE, 10%
044	TAP FACTORY CAPPED	09		0	0	
051	POINT REPAIR LINER			0	0	S01
057	POINT REPAIR LINER			0	0	F01
092	TAP FACTORY CAPPED	03		0	0	
094	CRACK CIRCUMFERENTIAL	08	10	0	0	
095	TAP FACTORY CAPPED	09		0	0	
097	POINT REPAIR LINER			0	0	S02
103	POINT REPAIR LINER			0	0	F02

107	ACCESS POINT MANHOLE				0	0	SS03068							
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Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM02781	SS05016	SS03820	VCP	8	160	160	3	0	4823	0000	39	3.25

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS05016
000	MISCELLANEOUS WATER LEVEL			0	0	5%
005	FRACTURE MULTIPLE	08	04	0	0	
007	CRACK CIRCUMFERENTIAL	09	01	0	0	
008	TAP FACTORY	03		0	0	
018	FRACTURE MULTIPLE	12	12	0	0	
034	CRACK LONGITUDINAL	03		0	0	
044	TAP FACTORY	09		0	0	
046	TAP FACTORY CAPPED	03		0	0	
060	FRACTURE SPIRAL	11	01	0	0	
062	BROKEN	06	08	0	0	
086	FRACTURE MULTIPLE	08	12	0	0	
090	TAP FACTORY CAPPED	09		0	0	
093	TAP FACTORY CAPPED	03		0	0	
095	TAP BREAK-IN/HAMMER	09		0	0	
103	FRACTURE MULTIPLE	09	04	0	0	
106	FRACTURE MULTIPLE	01	08	0	0	
140	TAP FACTORY CAPPED	09		0	0	
144	FRACTURE MULTIPLE	04	10	0	0	
150	FRACTURE SPIRAL	08	12	0	0	
153	FRACTURE MULTIPLE	09	03	0	0	
160	ACCESS POINT MANHOLE			0	0	SS03820

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM02782	SS03820	SS05256	VCP	8	136	136	3	0	4139	0000	35	2.92
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	SS03820						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
003	FRACTURE MULTIPLE		08	04	0	0							
006	CRACK MULTIPLE		10	01	0	0							
012	CRACK MULTIPLE		10	02	0	0							
028	TAP FACTORY ACTIVITY		09		0	0							
031	TAP FACTORY		03		0	0							
041	FRACTURE SPIRAL		10	02	0	0							
050	FRACTURE LONGITUDINAL		03		0	0							
053	FRACTURE MULTIPLE		03	09	0	0							
056	CRACK MULTIPLE		03	04	0	0							
061	CRACK SPIRAL		10	03	0	0							
078	TAP FACTORY ACTIVITY		09		0	0							
080	TAP FACTORY CAPPED		03		0	0							
084	CRACK LONGITUDINAL		02		0	0							
099	CRACK MULTIPLE		09	03	0	0							
120	MISCELLANEOUS WATER LEVEL				0	0	20%						
121	FRACTURE SPIRAL		11	02	0	0							
128	TAP FACTORY CAPPED		09		0	0							
130	TAP FACTORY		03		0	0							
131	FRACTURE SPIRAL		09	12	0	0							
131	MISCELLANEOUS WATER LEVEL				0	0	35%						
136	ACCESS POINT MANHOLE				0	0	SS05256						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM02783	SS05257	SS05258	VCP	10	221	221	3	0	453A	3100	64	2.91

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS05257
000	MISCELLANEOUS WATER LEVEL			0	0	10%
009	FRACTURE MULTIPLE	06	10	0	0	
010	TAP FACTORY DEFECTIVE	09		0	0	FC
011	FRACTURE MULTIPLE	12	04	0	0	
013	FRACTURE MULTIPLE	03	05	0	0	
014	FRACTURE SPIRAL	03	05	0	0	
023	TAP FACTORY	03		0	0	
024	FRACTURE MULTIPLE	07	01	0	0	
050	FRACTURE SPIRAL	03	04	0	0	
060	FRACTURE SPIRAL	03	04	0	0	
061	TAP FACTORY CAPPED	09		0	0	
070	TAP FACTORY CAPPED	03		0	0	
073	FRACTURE SPIRAL	07	09	0	0	
086	CRACK SPIRAL	02	03	0	0	
095	FRACTURE SPIRAL	07	11	0	0	
096	TAP FACTORY ACTIVITY	09		0	0	
104	TAP FACTORY	03		0	0	
111	FRACTURE MULTIPLE	08	04	0	0	
116	CRACK MULTIPLE	08	01	0	0	
125	CRACK MULTIPLE	11	03	0	0	
148	TAP FACTORY	09		0	0	
155	CRACK MULTIPLE	10	02	0	0	
157	CRACK SPIRAL	04	05	0	0	
159	CRACK SPIRAL	02	04	0	0	
161	CRACK MULTIPLE	10	02	0	0	

173	TAP FACTORY		03		0	0								
185	CRACK LONGITUDINAL		04		0	0								
188	CRACK MULTIPLE		09	04	0	0								
189	TAP FACTORY CAPPED		09		0	0								
212	CRACK MULTIPLE		08	04	0	0								
215	CRACK LONGITUDINAL		11		0	0								
221	ACCESS POINT MANHOLE				0	0				SS05258				

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM02786	SS03070	SS05259	VCP	8	126	126	3	0	3100	3422	28	1.87

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS03070
000	MISCELLANEOUS WATER LEVEL			0	0	10%
014	CRACK MULTIPLE	10	12	0	0	
014	TAP FACTORY CAPPED	09		0	0	
017	TAP FACTORY DEFECTIVE	03		0	0	CL, ISB, DAE, 25%
020	INFILTRATION STAIN	09	03	0	0	S01
029	DEPOSITS ATTACHED ENCRUSTATION	01	03	0	0	5%
051	INFILTRATION STAIN JOINT	09	03	0	0	F01
055	TAP FACTORY DEFECTIVE	03		0	0	ISJ
057	TAP FACTORY DEFECTIVE	09		0	0	ISJ
075	DEPOSITS ATTACHED ENCRUSTATION	12	02	0	0	5%
075	INFILTRATION STAIN JOINT	08	04	0	0	
078	INFILTRATION STAIN JOINT	12	04	0	0	
087	INFILTRATION STAIN JOINT	08	04	0	0	
098	TAP FACTORY CAPPED	03		0	0	
100	TAP FACTORY DEFECTIVE	09		0	0	CM, ISB, RMJ, 5%, DAE, 5%
126	ACCESS POINT MANHOLE			0	0	SS05259

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM03334	SS05018	SS05017	VCP	8	197	197	3	0	4131	2118	29	1.71
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	SS05018						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
002	TAP FACTORY CAPPED		03		0	0							
003	FRACTURE MULTIPLE		01	04	0	0							
008	CRACK LONGITUDINAL		09		0	0							
018	CRACK LONGITUDINAL		02		0	0							
044	TAP FACTORY		09		0	0							
052	MISCELLANEOUS SURVEY ABANDONED				0	0	CANNOT PASS OBC						
052	OBSTRUCTION THROUGH CONNECTION				0	0	10%, SMALL PVC PIPE						
052	TAP FACTORY DEFECTIVE		03		0	0	H						
053	MISCELLANEOUS SURVEY ABANDONED				0	0	INSPECTION COMPLETE						
070	INFILTRATION STAIN JOINT		07	05	0	0	S01						
073	CRACK LONGITUDINAL		11		0	0							
073	INFILTRATION STAIN BARREL		07	11	0	0							
082	INFILTRATION STAIN JOINT		07	05	0	0	F01						
092	CRACK HINGE 2		03	09	0	0							
092	INFILTRATION STAIN JOINT		07	05	0	0							
095	INFILTRATION STAIN JOINT		07	05	0	0							
097	INFILTRATION STAIN JOINT		07	11	0	0							
100	TAP FACTORY CAPPED		09		0	0							
102	CRACK LONGITUDINAL		12		0	0							
102	TAP FACTORY		03		0	0							
123	CRACK SPIRAL		10	11	0	0							
179	FRACTURE LONGITUDINAL		09		0	0							
179	INFILTRATION STAIN BARREL		09	10	0	0							
186	INFILTRATION STAIN JOINT		07	05	0	0							

197	ACCESS POINT MANHOLE				0	0	SS05017							
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Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM03336	SS05016	SS05017	VCP	8	97	97	3	0	0000	0000	0	0

Direction DOWNSTREAM TO UPSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS05016
000	MISCELLANEOUS WATER LEVEL			0	0	5%
020	TAP FACTORY ACTIVITY		03	0	0	
053	TAP FACTORY		09	0	0	
079	TAP FACTORY CAPPED		03	0	0	
097	ACCESS POINT MANHOLE			0	0	SS05017

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM10413	SS03688	SS03565	VCP	8	20	20	3	0	0000	4122	8	2.67

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS03688
000	MISCELLANEOUS GENERAL OBSERVATION			0	0	IS IN MANHOLE
000	MISCELLANEOUS WATER LEVEL			0	0	30%
005	DEPOSITS ATTACHED GREASE		10 02	0	0	5%
012	DEPOSITS ATTACHED GREASE		10 02	0	0	5%
017	MISCELLANEOUS CAMERA UNDERWATER			0	0	
020	ACCESS POINT MANHOLE			0	0	SS03565

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM11434	SS13712	SS13713	VCP	10	119	119	3	0	2100	3324	24	1.85

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS13712

000	MISCELLANEOUS WATER LEVEL			0	0	10%
033	DEPOSITS ATTACHED GREASE	08		0	0	5%
036	TAP FACTORY	09		0	0	
038	TAP FACTORY DEFECTIVE	03		0	0	ISJ
039	CRACK CIRCUMFERENTIAL	10	02	0	0	
039	INFILTRATION STAIN BARREL	08	04	0	0	
041	MISCELLANEOUS GENERAL OBSERVATION	10		0	0	POSSIBLE CL
056	DEPOSITS ATTACHED ENCRUSTATION	08	04	0	0	10%
056	INFILTRATION STAIN JOINT	08	04	0	0	
078	DEPOSITS ATTACHED ENCRUSTATION	09	02	0	0	5%
078	INFILTRATION STAIN JOINT	08	04	0	0	
089	TAP FACTORY	03		0	0	
097	TAP FACTORY DEFECTIVE	09		0	0	DAE, 10%
098	DEPOSITS ATTACHED ENCRUSTATION	03	04	0	0	5%
098	INFILTRATION STAIN JOINT	03	05	0	0	
105	TAP FACTORY DEFECTIVE	03		0	0	ISJ, DAE, 5%
112	INFILTRATION STAIN BARREL	08	12	0	0	
119	ACCESS POINT MANHOLE			0	0	SS13713

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM11518	SS03068	SS03688	VCP	8	160	160	3	0	3222	1A00	23	1.35

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS03068
000	MISCELLANEOUS WATER LEVEL			0	0	10%
008	CRACK MULTIPLE	04	08	0	0	
024	TAP FACTORY CAPPED	03		0	0	
042	POINT REPAIR LINER			0	0	S01
050	POINT REPAIR LINER			0	0	F01
073	TAP FACTORY CAPPED	03		0	0	
078	INFILTRATION STAIN BARREL	07	09	0	0	

090	INFILTRATION STAIN JOINT	07	05	0	0	S02
117	INFILTRATION STAIN JOINT	07	05	0	0	F02
120	POINT REPAIR LINER			0	0	S03
126	INFILTRATION STAIN JOINT	07	05	0	0	
126	POINT REPAIR LINER			0	0	F03
131	CRACK MULTIPLE	10	01	0	0	
131	INFILTRATION STAIN BARREL	07	05	0	0	
135	INFILTRATION STAIN JOINT	02	05	0	0	S04
150	CRACK SPIRAL	01	04	0	0	
150	INFILTRATION STAIN BARREL	01	05	0	0	
153	INFILTRATION STAIN JOINT	02	05	0	0	F04
156	FRACTURE CIRCUMFERENTIAL	09	01	0	0	
160	ACCESS POINT MANHOLE			0	0	SS03688

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM11609	SS14232	SS15124	VCP	8	92	92	3	0	3223	1400	17	1.7

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS14232
000	MISCELLANEOUS WATER LEVEL			0	0	5%
005	CRACK CIRCUMFERENTIAL	08	12	0	0	
013	CRACK LONGITUDINAL	10		0	0	
017	FRACTURE SPIRAL	09	11	0	0	
019	CRACK SPIRAL	03	04	0	0	
047	CRACK MULTIPLE	12	03	0	0	
047	INFILTRATION STAIN BARREL	01	03	0	0	
052	INFILTRATION STAIN BARREL	09	11	0	0	
063	TAP FACTORY CAPPED	09		0	0	
070	CRACK LONGITUDINAL	02		0	0	
070	INFILTRATION STAIN BARREL	02	04	0	0	
082	INFILTRATION STAIN JOINT	07	09	0	0	

092	ACCESS POINT MANHOLE				0	0	SS15124							
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Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM11610	SS13713	SS14847	VCP	10	98	98	3	0	2100	0000	2	2

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS13713
000	MISCELLANEOUS WATER LEVEL			0	0	5%
005	TAP FACTORY CAPPED		09	0	0	
038	TAP FACTORY		03	0	0	
049	TAP BREAK-IN/HAMMER INTRUDING		02	0	0	1-INCH, FL
052	TAP FACTORY CAPPED		09	0	0	
098	ACCESS POINT MANHOLE			0	0	SS14847

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM11706	SS15124	SS15125	VCP	8	66	66	3	0	2212	1900	15	1.15

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS15125
000	MISCELLANEOUS WATER LEVEL			0	0	0%
004	TAP FACTORY CAPPED		09	0	0	
005	CRACK LONGITUDINAL		09	12	0	
005	INFILTRATION STAIN BARREL		09	03	0	
011	INFILTRATION STAIN JOINT		08	12	0	S01
035	MISCELLANEOUS GENERAL OBSERVATION		03		0	POSSIBLE CL
038	INFILTRATION STAIN JOINT		08	12	0	F01
043	TAP FACTORY		03		0	
050	CRACK CIRCUMFERENTIAL		11	12	0	
050	INFILTRATION STAIN BARREL		08	04	0	
053	INFILTRATION STAIN JOINT		08	11	0	
059	CRACK LONGITUDINAL		09		0	

059	INFILTRATION STAIN BARREL	08	09	0	0								
061	CRACK CIRCUMFERENTIAL	08	03	0	0								
066	ACCESS POINT MANHOLE			0	0	SS15125							

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM11707	SS15125	SS15126	VCP	8	86	86	3	0	4533	1300	36	2.77

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS15125
000	MISCELLANEOUS WATER LEVEL			0	0	5%
004	FRACTURE LONGITUDINAL	09		0	0	
004	INFILTRATION STAIN BARREL	08	09	0	0	
005	TAP FACTORY CAPPED	03		0	0	
010	TAP FACTORY ACTIVITY	09		0	0	
011	FRACTURE MULTIPLE	11	01	0	0	
018	CRACK LONGITUDINAL	03		0	0	
026	INFILTRATION STAIN JOINT	08	09	0	0	
036	CRACK MULTIPLE	03	04	0	0	
042	FRACTURE MULTIPLE	11	02	0	0	
049	TAP FACTORY CAPPED	09		0	0	
051	TAP FACTORY	03		0	0	
052	INFILTRATION STAIN JOINT	08		0	0	
061	CRACK MULTIPLE	02	03	0	0	
068	CRACK LONGITUDINAL	09		0	0	
076	FRACTURE MULTIPLE	09	02	0	0	
078	BROKEN	03	04	0	0	
079	FRACTURE MULTIPLE	03	09	0	0	
086	ACCESS POINT MANHOLE			0	0	SS15126

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM12780	SS15126	SS13702	VCP	8	149	149		0	5142	3300	56	2.8
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	SS15126						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
004	CRACK MULTIPLE		09	03	0	0							
016	FRACTURE MULTIPLE		09	02	0	0							
026	TAP FACTORY CAPPED		03		0	0							
027	CRACK LONGITUDINAL		11		0	0							
033	CRACK SPIRAL		12	03	0	0							
039	CRACK MULTIPLE		02	05	0	0							
042	CRACK HINGE 2		09	03	0	0							
045	CRACK SPIRAL		11	02	0	0							
048	CRACK LONGITUDINAL		02		0	0							
054	CRACK MULTIPLE		09	04	0	0							
061	CRACK MULTIPLE		12	03	0	0							
062	TAP FACTORY DEFECTIVE		09		0	0	CL						
063	FRACTURE SPIRAL		12	03	0	0							
066	FRACTURE LONGITUDINAL		03		0	0							
075	CRACK LONGITUDINAL		09		0	0							
088	TAP FACTORY DEFECTIVE		03		0	0	ACTIVITY: FL						
101	TAP BREAK-IN/HAMMER		09		0	0							
113	CRACK MULTIPLE		09	12	0	0							
118	BROKEN SOIL VISIBLE		03	09	0	0							
121	TAP FACTORY DEFECTIVE		09		0	0	CAPPED: BROKEN						
123	TAP FACTORY CAPPED		03		0	0							
132	CRACK SPIRAL		02	03	0	0							
142	FRACTURE MULTIPLE		03	10	0	0							
149	ACCESS POINT MANHOLE				0	0	SS13702						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM12783	SS13702	SS12723	VCP	8	140	140	3	0	5142	0000	24	3
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	SS13702						
000	MISCELLANEOUS WATER LEVEL				0	0	10%						
002	BROKEN SOIL VISIBLE		07	09	0	0							
010	TAP FACTORY CAPPED		03		0	0							
024	TAP FACTORY CAPPED		09		0	0							
031	CRACK SPIRAL		11	03	0	0							
046	FRACTURE LONGITUDINAL		09		0	0							
059	FRACTURE CIRCUMFERENTIAL		09	11	0	0							
063	TAP FACTORY ACTIVITY		03		0	0							
067	TAP FACTORY CAPPED		09		0	0							
077	FRACTURE CIRCUMFERENTIAL		09	03	0	0							
104	FRACTURE MULTIPLE		09	03	0	0							
121	TAP FACTORY CAPPED		03		0	0							
122	FRACTURE MULTIPLE		11	02	0	0							
131	FRACTURE CIRCUMFERENTIAL		09	11	0	0							
140	ACCESS POINT MANHOLE				0	0	SS12723						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM12869	SS04977	SS02723	VCP	8	50	50		0	1100	0000	1	1
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	SS04977						
000	MISCELLANEOUS WATER LEVEL				0	0	15%						
010	CRACK CIRCUMFERENTIAL		12	04	0	0							
024	POINT REPAIR LINER				0	0	S01						
032	POINT REPAIR LINER				0	0	F01						

050	ACCESS POINT MANHOLE				0	0	SS04977							
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Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM13048	SS12723	SS13710	VCP	8	197	197		0	4134	2100	18	3

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS12723
000	MISCELLANEOUS WATER LEVEL			0	0	5%
003	CRACK MULTIPLE	08	03	0	0	
013	CRACK MULTIPLE	08	03	0	0	
017	CRACK MULTIPLE	10	03	0	0	
025	FRACTURE MULTIPLE	10	02	0	0	
036	TAP FACTORY CAPPED	03		0	0	
050	TAP FACTORY ACTIVITY	09		0	0	
082	TAP FACTORY ACTIVITY	03		0	0	
096	CRACK MULTIPLE	10	02	0	0	
100	TAP FACTORY ACTIVITY	09		0	0	
133	TAP FACTORY CAPPED	03		0	0	
150	TAP FACTORY CAPPED	09		0	0	
152	TAP FACTORY CAPPED	03		0	0	
181	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	5%
197	ACCESS POINT MANHOLE			0	0	SS13710
197	MISCELLANEOUS GENERAL OBSERVATION			0	0	IS IN MANHOLE INVERT

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM13221	SS05259	SS04977	VCP	8	173	173		0	4132	3222	41	1.64

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS05259
000	MISCELLANEOUS WATER LEVEL			0	0	10%
008	DEPOSITS ATTACHED ENCRUSTATION	02	04	0	0	5%

014	INFILTRATION STAIN JOINT	07	09	0	0	
019	TAP FACTORY DEFECTIVE	03		0	0	CAPPED: DAE, 100%
021	POINT REPAIR LINER			0	0	S01
041	INFILTRATION STAIN JOINT	07	10	0	0	
041	POINT REPAIR LINER			0	0	F01
044	INFILTRATION STAIN JOINT	12	04	0	0	
047	INFILTRATION STAIN JOINT	07	05	0	0	
052	INFILTRATION STAIN JOINT	12	04	0	0	
058	DEPOSITS ATTACHED ENCRUSTATION	08	10	0	0	5%
061	CRACK LONGITUDINAL	03		0	0	
061	INFILTRATION STAIN	08	04	0	0	
066	TAP FACTORY ACTIVITY	09		0	0	
068	TAP FACTORY CAPPED	03		0	0	
090	INFILTRATION STAIN JOINT	08	11	0	0	
093	INFILTRATION STAIN JOINT	09	05	0	0	
102	INFILTRATION STAIN JOINT	04	08	0	0	
103	TAP FACTORY ACTIVITY	09		0	0	
113	TAP FACTORY CAPPED	03		0	0	
129	CRACK LONGITUDINAL	03		0	0	
132	CRACK LONGITUDINAL	12		0	0	
134	TAP FACTORY CAPPED	09		0	0	
135	CRACK CIRCUMFERENTIAL	10	02	0	0	
141	INFILTRATION STAIN JOINT	07	05	0	0	
147	INFILTRATION STAIN JOINT	07	05	0	0	
153	CRACK MULTIPLE	10	02	0	0	
153	INFILTRATION STAIN BARREL	08	02	0	0	
162	CRACK MULTIPLE	09	04	0	0	
162	INFILTRATION STAIN BARREL	08	04	0	0	
165	TAP FACTORY CAPPED	03		0	0	
166	INFILTRATION STAIN JOINT	08	10	0	0	
167	FRACTURE MULTIPLE	09	05	0	0	
168	TAP FACTORY DEFECTIVE	09		0	0	CAPPED: CL, ISB

173	ACCESS POINT MANHOLE				0	0	SS04977							
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Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM13228	SS05256	SS05257	VCP	8	111	111		0	4122	0000	8	2.67

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS05256
000	MISCELLANEOUS WATER LEVEL			0	0	5%
034	FRACTURE MULTIPLE	08	03	0	0	
047	TAP FACTORY ACTIVITY	09		0	0	
049	TAP FACTORY CAPPED	03		0	0	
057	CRACK MULTIPLE	10	03	0	0	
072	FRACTURE SPIRAL	10	01	0	0	
097	TAP FACTORY CAPPED	09		0	0	
098	FRACTURE SPIRAL	02	05	0	0	
111	ACCESS POINT MANHOLE			0	0	SS05257

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	SM13523	SS13710	SS13712	VCP	8	70	70		0	4121	2212	12	2

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS13710
000	MISCELLANEOUS WATER LEVEL			0	0	5%
005	TAP FACTORY ACTIVITY		09	0	0	
007	TAP FACTORY CAPPED		03	0	0	
025	DEPOSITS ATTACHED ENCRUSTATION	08	05	0	0	5%
035	DEPOSITS ATTACHED ENCRUSTATION	07	04	0	0	5%, JOINT AND BARREL
044	INFILTRATION STAIN JOINT	09	04	0	0	
050	CRACK LONGITUDINAL	03		0	0	
050	INFILTRATION STAIN BARREL	08	11	0	0	
064	FRACTURE MULTIPLE			0	0	

070 ACCESS POINT MANHOLE 0 0

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
INGLESIDE AVENUE	SM13220	SS12056	SS05259	VCP	8	315	315	3	288	0000	3A2D	113	1.92

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS12056
000	MISCELLANEOUS WATER LEVEL			0	0	5%
018	TAP FACTORY	03		0	0	
027	DEPOSITS ATTACHED ENCRUSTATION	08	03	0	0	10%
030	TAP FACTORY DEFECTIVE	09		0	0	CS
033	POINT REPAIR REPLACEMENT			0	0	S01; PVC
037	POINT REPAIR REPLACEMENT			0	0	F01; PVC
041	INFILTRATION WEEPER JOINT	03	05	144	0	
053	INFILTRATION STAIN JOINT	03	05	0	0	
055	INFILTRATION STAIN JOINT	07	05	0	0	
062	DEPOSITS ATTACHED ENCRUSTATION	08	11	0	0	
063	DEPOSITS ATTACHED ENCRUSTATION	08	11	0	0	15%
070	TAP BREAK-IN/HAMMER DEFECTIVE	03		0	0	DAE, 15%
077	DEPOSITS ATTACHED ENCRUSTATION	01	05	0	0	15%
079	INFILTRATION STAIN JOINT	07	05	0	0	
080	TAP FACTORY CAPPED	09		0	0	
081	DEPOSITS ATTACHED ENCRUSTATION	09	11	0	0	5%, TF CONNECTION
083	DEPOSITS ATTACHED ENCRUSTATION	12		0	0	5%
085	DEPOSITS ATTACHED ENCRUSTATION	07	10	0	0	5%
086	DEPOSITS ATTACHED ENCRUSTATION	03	05	0	0	5%, BARREL
089	DEPOSITS ATTACHED GREASE	07		0	0	5%
091	DEPOSITS ATTACHED ENCRUSTATION	07	09	0	0	5%
095	DEPOSITS ATTACHED ENCRUSTATION	03	05	0	0	5%
105	INFILTRATION STAIN JOINT	01	05	0	0	
107	DEPOSITS ATTACHED ENCRUSTATION	08	03	0	0	5%

112	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	5%
114	DEPOSITS ATTACHED ENCRUSTATION	08	05	0	0	5%
118	DEPOSITS ATTACHED ENCRUSTATION	08	04	0	0	15%
118	INFILTRATION STAIN JOINT	12		144	0	
123	TAP FACTORY DEFECTIVE	03		0	0	ACTIVITY: CM, ISB
130	INFILTRATION STAIN JOINT	03	04	0	0	
131	TAP FACTORY DEFECTIVE	09		0	0	CS, ISB
144	INFILTRATION STAIN JOINT	08	05	0	0	
148	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	5%
150	INFILTRATION STAIN JOINT	07	05	0	0	
152	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	5%
156	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	15%
163	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	5%
173	TAP FACTORY DEFECTIVE	03		0	0	DAE, 20%
174	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	10%
178	DEPOSITS ATTACHED ENCRUSTATION	08	05	0	0	5%
180	INFILTRATION STAIN JOINT	07	12	0	0	
183	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	S02; 5%
195	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	20%
207	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	F02; 5%
210	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	15%
216	INFILTRATION STAIN JOINT	08	05	0	0	S03
269	INFILTRATION STAIN JOINT	08	05	0	0	F03
273	POINT REPAIR REPLACEMENT			0	0	S04; PVC
277	POINT REPAIR REPLACEMENT			0	0	F04; PVC
283	DEPOSITS ATTACHED ENCRUSTATION	08	05	0	0	S05; 5%
289	DEPOSITS ATTACHED ENCRUSTATION	08	05	0	0	F05; 5%
297	DEPOSITS ATTACHED ENCRUSTATION	08	05	0	0	20%
301	DEPOSITS ATTACHED ENCRUSTATION	08	05	0	0	15%
303	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	S06; 5%
313	DEPOSITS ATTACHED ENCRUSTATION	07	05	0	0	F06; 5%
315	ACCESS POINT MANHOLE			0	0	SS05259

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
INWOOD ROAD	SM20524	SS20524	SS14474	VCP	8	110	110	3	0	4132	3114	17	2.13
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	SS20524						
000	MISCELLANEOUS WATER LEVEL				0	0	10%						
002	CRACK MULTIPLE		09	03	0	0							
007	TAP FACTORY CAPPED		09		0	0							
018	TAP FACTORY CAPPED		03		0	0							
037	CRACK MULTIPLE		11	05	0	0							
065	ROOTS MEDIUM JOINT		10	04	0	0	5%						
068	ROOTS FINE JOINT		08	02	0	0							
089	ROOTS FINE JOINT		10	12	0	0							
092	ROOTS FINE JOINT		09	03	0	0							
095	BROKEN		03	04	0	0							
104	ROOTS FINE JOINT		03	09	0	0							
110	ACCESS POINT MANHOLE				0	0	SS14474						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
PILGRIM AVENUE	SM02788	SS12057	SS12058	VCP	8	191	191	3	0	4232	3316	41	2.16
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	SS12057						
000	MISCELLANEOUS WATER LEVEL				0	0	10%						
005	CRACK MULTIPLE		10	02	0	0							
014	CRACK MULTIPLE		10	02	0	0							
028	TAP FACTORY DEFECTIVE		09		0	0	CS						
034	TAP FACTORY ACTIVITY		03		0	0							
044	POINT REPAIR LINER				0	0	S01						
048	POINT REPAIR LINER				0	0	F01						

049	TAP SADDLE	02		0	0								
068	CRACK SPIRAL	11	12	0	0								
079	TAP FACTORY CAPPED	09		0	0								
085	TAP FACTORY DEFECTIVE	03		0	0				CAPPED: ISJ				
088	CRACK LONGITUDINAL	09		0	0								
088	INFILTRATION STAIN BARREL	08	09	0	0								
104	CRACK LONGITUDINAL	02		0	0								
104	INFILTRATION STAIN BARREL	02	04	0	0								
118	TAP FACTORY	09		0	0								
119	INFILTRATION STAIN JOINT	01	04	0	0								
120	TAP FACTORY DEFECTIVE	03		0	0				CAPPED: ISJ				
127	INFILTRATION STAIN JOINT	12	04	0	0								
139	CRACK LONGITUDINAL	09		0	0								
145	CRACK LONGITUDINAL	02		0	0								
145	INFILTRATION STAIN BARREL	02	04	0	0								
160	FRACTURE MULTIPLE	10	02	0	0								
160	TAP FACTORY	03		0	0								
163	BROKEN	09	03	0	0								
167	CRACK LONGITUDINAL	10		0	0								
167	INFILTRATION STAIN BARREL	08	10	0	0								
171	TAP FACTORY CAPPED	09		0	0								
178	POINT REPAIR LINER			0	0				S02				
188	POINT REPAIR LINER			0	0				F02				
191	ACCESS POINT MANHOLE			0	0				SS12058				

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
PILGRIM AVENUE	SM13217	SS04978	SS05257	VCP	8	36	36		0	2200	0000	4	2

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS04978
000	MISCELLANEOUS WATER LEVEL			0	0	5%

004	CRACK SPIRAL		10	02	0	0							
033	CRACK LONGITUDINAL		07		0	0							
036	ACCESS POINT MANHOLE				0	0			SS05257				

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
PLANTATION STREET	SM04102	SS04619	SS03565	VCP	8	56	56	3	0	2100	1200	4	1.33

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS04619
000	MISCELLANEOUS WATER LEVEL			0	0	10%
009	POINT REPAIR LINER			0	0	S01
017	POINT REPAIR LINER			0	0	F01
039	CRACK SPIRAL	09	11	0	0	
039	INFILTRATION STAIN BARREL	07	09	0	0	
042	INFILTRATION STAIN JOINT	07	05	0	0	
048	POINT REPAIR LINER			0	0	S02
056	ACCESS POINT MANHOLE			0	0	SS03565
056	POINT REPAIR LINER			0	0	F02

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
PLANTATION STREET	SM09797	SS11007	SS04619	VCP	8	141	141	3	0	4132	0000	13	2.6

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS11007
000	MISCELLANEOUS WATER LEVEL			0	0	5%
007	CRACK MULTIPLE	09	04	0	0	
021	TAP FACTORY CAPPED	03		0	0	
022	CRACK CIRCUMFERENTIAL	09	02	0	0	
047	TAP FACTORY CAPPED	09		0	0	
069	CRACK SPIRAL	10	04	0	0	
096	CRACK MULTIPLE	10	02	0	0	

097	TAP FACTORY CAPPED		09		0	0							
126	FRACTURE MULTIPLE		10	03	0	0							
141	ACCESS POINT MANHOLE				0	0			SS04619				

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
PURITAN AVENUE	SM11863	SS05264	SS03820	VCP	8	33	33	3	0	4131	0000	7	3.5

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS05264
000	MISCELLANEOUS WATER LEVEL			0	0	5%
009	BROKEN	12	02	0	0	
030	CRACK MULTIPLE	09	01	0	0	
033	ACCESS POINT MANHOLE			0	0	SS03820

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
RUGBY STREET	SM00976	SS16700	SS03070	VCP	8	25	25	3	0	4100	1100	5	2.5

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS16700
000	MISCELLANEOUS WATER LEVEL			0	0	5%
008	INFILTRATION STAIN JOINT	01	05	0	0	
015	INFILTRATION STAIN JOINT	01	05	0	0	
022	FRACTURE MULTIPLE	08	09	0	0	
025	ACCESS POINT MANHOLE			0	0	SS03070

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
WARNER AVENUE	SM11708	SS13711	SS13712	VCP	8	31	31	3	0	3200	2112	10	2

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS13711

000	MISCELLANEOUS WATER LEVEL			0	0	10%
009	INFILTRATION STAIN JOINT	08	04	0	0	
015	DEPOSITS ATTACHED ENCRUSTATION	08	04	0	0	5%
015	INFILTRATION STAIN JOINT	08	04	0	0	
015	MISCELLANEOUS GENERAL OBSERVATION			0	0	POSSIBLE CRACK BEHIND DAE
028	FRACTURE LONGITUDINAL	07		0	0	
031	ACCESS POINT MANHOLE			0	0	SS13712
031	MISCELLANEOUS GENERAL OBSERVATION			0	0	IS AT MANHOLE CONNECTION
087	JOINT ANGULAR MEDIUM			0	0	RIGHT

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
WARNER AVENUE	SM12788	SS12724	SS13712	VCP	8	48	48	3	0	3121	1400	9	1.5

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	SS12724
000	FRACTURE HINGE 2	09	03	0	0	F01
000	MISCELLANEOUS WATER LEVEL			0	0	0%
003	INFILTRATION STAIN BARREL	07	09	0	0	
007	CRACK LONGITUDINAL	02		0	0	
007	FRACTURE HINGE 2	09	03	0	0	S01
028	INFILTRATION STAIN JOINT	12	05	0	0	
035	INFILTRATION STAIN JOINT	07	05	0	0	
044	INFILTRATION STAIN JOINT	07	05	0	0	
048	ACCESS POINT MANHOLE			0	0	SS13712

TOTAL

3,888

0

Total Pipe Length 4,636

Total TV Pipe Length 4,636

NOTES:

1. Line segments located in an easement will have a "Street Name" designation of an adjacent street.

APPENDIX A

DRAIN TELEVISION INSPECTION SUMMARY

Various Streets 2026 Sewer Rehabilitation - Worcester, MA

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
DANA AVENUE	DL15513	DS00250	DS00025	RCP	10	32	32	4	0	0000	2200	4	2
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS00250						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
010	INTRUDING SEALING MATERIAL GROUT		05	07	0	0	10%						
010	MISCELLANEOUS GENERAL OBSERVATION				0	0	CANNOT PASS DUE TO ISGT						
010	MISCELLANEOUS GENERAL OBSERVATION				0	0	CAMERA ZOOMED TO MANHOLE						
027	OBSTACLE/OBSTRUCTION ROCKS		06		0	0	10%						
032	ACCESS POINT MANHOLE				0	0	DS00025						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
DELMONT AVENUE	DL10172	DS06417	DS01636	RCP	15	27	27	8	0	0000	0000	0	0
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS06417						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
027	ACCESS POINT MANHOLE				0	0	DS01636						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
FARIMONT AVENUE	DL01464	DS05518	DS03754	RCP	12	14	14	3	0	0000	0000	0	0
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS05518						
000	MISCELLANEOUS WATER LEVEL				0	0	10%						
014	ACCESS POINT MANHOLE				0	0	DS03754						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL00406	DS04469	DS04468	VCP	18	114	114	3	0	3211	2100	9	2.25
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS04469						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
004	OBSTACLE/OBSTRUCTION ROCKS		06		0	0	5%						
058	CRACK MULTIPLE		02	04	0	0							
061	CRACK MULTIPLE		03	04	0	0							
081	CRACK CIRCUMFERENTIAL		11	02	0	0							
114	ACCESS POINT MANHOLE				0	0	DS04468						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL00697	DS05836	DS23369	VCP	12	68	68	3	0	0000	0000	0	0
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS05836						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
011	TAP FACTORY CAPPED		09		0	0							
022	TAP FACTORY CAPPED		03		0	0							
055	TAP FACTORY CAPPED		09		0	0							
068	ACCESS POINT MANHOLE				0	0	DS23369						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL00961	DS11164	DS05831	VCP	10	82	82	3	0	1100	2100	3	1.5
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS11164						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
014	TAP FACTORY CAPPED		03		0	0							
032	DEPOSITS ATTACHED OTHER		06	07	0	0	CONCRETE, 5%						
038	SURFACE DAMAGE ROUGHNESS INCREASED		11		0	0							
065	TAP FACTORY CAPPED		03		0	0							

082 ACCESS POINT MANHOLE 0 0 DS05831

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL03153	DS05515	DS30081	VCP	12	38	38	3	0	3111	0000	4	2

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS05515
000	MISCELLANEOUS WATER LEVEL			0	0	5%
015	CRACK MULTIPLE	08	10	0	0	
021	CRACK CIRCUMFERENTIAL	09	10	0	0	
038	ACCESS POINT MANHOLE			0	0	DS30081

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL03154	DS05514	DS04471	VCP	15	282	282	3	0	3522	1B00	40	1.43

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS05514
000	MISCELLANEOUS WATER LEVEL			0	0	5%
005	ROOTS FINE JOINT	07	05	0	0	S01
042	TAP FACTORY CAPPED	03		0	0	
070	ROOTS FINE JOINT	07	05	0	0	F01
082	ROOTS FINE JOINT	05	07	0	0	S02
093	TAP FACTORY CAPPED	03		0	0	
099	CRACK CIRCUMFERENTIAL	01	04	0	0	
102	ROOTS FINE JOINT	05	07	0	0	F02
150	TAP FACTORY CAPPED	03		0	0	
151	CRACK MULTIPLE	01	04	0	0	
156	CRACK SPIRAL	08	11	0	0	
172	ROOTS FINE JOINT	05		0	0	
178	ROOTS FINE JOINT	07		0	0	
181	CRACK MULTIPLE	11	01	0	0	
195	TAP FACTORY CAPPED	03		0	0	
204	CRACK CIRCUMFERENTIAL	09	01	0	0	
225	CRACK MULTIPLE	01	04	0	0	
231	TAP FACTORY CAPPED	03		0	0	

248	CRACK MULTIPLE		09	01	0	0							
255	CRACK MULTIPLE		03	08	0	0							
266	TAP BREAK-IN/HAMMER		03		0	0							
270	CRACK LONGITUDINAL		08		0	0							
278	TAP FACTORY CAPPED		03		0	0							
282	ACCESS POINT MANHOLE				0	0			DS04471				

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL03155	DS04471	DS04470	VCP	15	89	89	3	0	3122	0000	8	2

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS04471
000	MISCELLANEOUS WATER LEVEL			0	0	5%
012	CRACK CIRCUMFERENTIAL	09	12	0	0	
030	CRACK MULTIPLE	11	03	0	0	
033	CRACK SPIRAL	02	03	0	0	
036	CRACK SPIRAL	08	09	0	0	
089	ACCESS POINT MANHOLE			0	0	DS04470

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL03156	DS03754	DS04474	VCP	24	175	175	3	0	2100	0000	2	2

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS03754
000	MISCELLANEOUS WATER LEVEL			0	0	5%
055	CRACK LONGITUDINAL	03		0	0	
055	TAP FACTORY CAPPED	03		0	0	
087	TAP FACTORY CAPPED	09		0	0	
120	TAP FACTORY CAPPED	03		0	0	
137	TAP FACTORY CAPPED	09		0	0	
175	ACCESS POINT MANHOLE			0	0	DS04474

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL03162	DS05831	DS05830	VCP	10	188	188	3	0	2211	1100	6	1.5
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS05831						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
009	INFILTRATION STAIN JOINT		05		0	0							
014	TAP FACTORY CAPPED		09		0	0							
029	TAP FACTORY CAPPED		03		0	0							
080	TAP FACTORY CAPPED		09		0	0							
091	TAP FACTORY CAPPED		03		0	0							
121	TAP FACTORY CAPPED		09		0	0							
144	TAP FACTORY CAPPED		03		0	0							
145	FRACTURE SPIRAL		08	04	0	0							
165	CRACK SPIRAL		04	09	0	0							
165	TAP FACTORY CAPPED		09		0	0							
184	CRACK SPIRAL		12	03	0	0							
188	ACCESS POINT MANHOLE				0	0	DS05830						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL03163	DS05830	DS05829	VCP	10	269	269	3	0	4223	3125	45	1.55
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS05830						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
005	INFILTRATION STAIN		07	09	0	0							
011	CRACK LONGITUDINAL		09		0	0							
014	DEPOSITS ATTACHED ENCRUSTATION		03	09	0	0	S01; 5%						
028	TAP FACTORY CAPPED		09		0	0							
032	DEPOSITS ATTACHED ENCRUSTATION		03	09	0	0	F01; 5%						
035	INFILTRATION STAIN JOINT		05		0	0							
038	INFILTRATION STAIN JOINT		04	05	0	0							
058	TAP FACTORY CAPPED		03		0	0							
064	BROKEN		12	12	0	0							

084	CRACK MULTIPLE		01	03	0	0								
105	CRACK LONGITUDINAL		09		0	0								
112	CRACK SPIRAL		09	12	0	0								
122	TAP FACTORY CAPPED		09		0	0								
135	FRACTURE LONGITUDINAL		04		0	0								
144	CRACK CIRCUMFERENTIAL		11	12	0	0								
150	CRACK LONGITUDINAL		04		0	0								
160	CRACK MULTIPLE		09	12	0	0								
173	TAP FACTORY CAPPED		09		0	0								
180	ACCESS POINT MANHOLE				0	0			DS05515					

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL03175	DS05837	DS05836	VCP	10	126	126	3	0	4132	0000	12	3
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS05837						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
004	CRACK MULTIPLE		02	04	0	0							
040	CRACK SPIRAL		07	09	0	0							
057	FRACTURE MULTIPLE		01	03	0	0							
057	TAP FACTORY CAPPED		03		0	0							
109	FRACTURE SPIRAL		03	04	0	0							
115	TAP FACTORY CAPPED		03		0	0							
126	ACCESS POINT MANHOLE				0	0	DS05836						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL05277	DS05835	DS05804	VCP	15	136	136	3	0	0000	0000	0	0
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS05835						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
052	TAP FACTORY		09		0	0							
116	TAP FACTORY CAPPED		09		0	0							
133	TAP FACTORY CAPPED		03		0	0							
136	ACCESS POINT MANHOLE				0	0	DS05804						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL06617	DS05803	DS03754	VCP	20	220	220	3	0	3822	0000	28	2.8
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS05803						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
021	TAP FACTORY CAPPED		03		0	0							
024	CRACK MULTIPLE		12	02	0	0							
055	CRACK LONGITUDINAL		12		0	0							
060	TAP FACTORY CAPPED		03		0	0							
090	CRACK SPIRAL		09	12	0	0							
106	TAP FACTORY CAPPED		03		0	0							
118	TAP BREAK-IN/HAMMER ACTIVITY		09		0	0							
170	FRACTURE LONGITUDINAL		12		0	0	S01						
170	TAP FACTORY CAPPED		03		0	0							
187	TAP FACTORY CAPPED		09		0	0							
205	FRACTURE LONGITUDINAL		12		0	0	F01; DEFECT WANDERS						
220	ACCESS POINT MANHOLE				0	0	DS03754						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL06619	DS05804	DS05803	VCP	15	131	131	3	0	1100	0000	1	1
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS05804						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
030	TAP FACTORY CAPPED		03		0	0							
062	TAP FACTORY CAPPED		09		0	0							
070	TAP FACTORY CAPPED		03		0	0							
072	TAP FACTORY CAPPED		09		0	0							
083	TAP BREAK-IN/HAMMER		03		0	0							
127	CRACK CIRCUMFERENTIAL		08	11	0	0							
131	ACCESS POINT MANHOLE				0	0	DS05803						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL06642	DS04472	DS04473	VCP	12	130	130	3	0	3224	0000	14	2.33
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS04472						
000	MISCELLANEOUS WATER LEVEL				0	0	10%						
022	TAP FACTORY CAPPED		03		0	0							
024	TAP FACTORY CAPPED		09		0	0							
053	TAP BREAK-IN/HAMMER		03		0	0							
080	TAP FACTORY CAPPED		09		0	0							
093	CRACK LONGITUDINAL		12		0	0	S01						
109	CRACK LONGITUDINAL		12		0	0	F01						
109	CRACK MULTIPLE		08	01	0	0							
112	JOINT OFFSET MEDIUM				0	0							
112	MISCELLANEOUS WATER LEVEL SAG				0	0	S01; 15%						
112	POINT REPAIR REPLACEMENT DEFECTIVE		12	12	0	0	PVC, JOM, MWLS						
117	MISCELLANEOUS WATER LEVEL SAG				0	0	F01; 15%						
130	ACCESS POINT MANHOLE				0	0	DS04473						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL06881	DS04169	DS04468	RCP	12x24	33	33	3	0	0000	0000	0	0
Direction DOWNSTREAM TO UPSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS04169						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
033	ACCESS POINT MANHOLE				0	0	DS04468						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL07404	DS01072	DS01073	VCP	18	116	116	3	0	4131	0000	21	2.63
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS01072						
000	MISCELLANEOUS WATER LEVEL				0	0	10%						

027	CRACK LONGITUDINAL		03		0	0								
033	CRACK LONGITUDINAL		03		0	0								
037	CRACK SPIRAL		07	09	0	0								
039	TAP FACTORY		09		0	0								
041	TAP FACTORY CAPPED		03		0	0								
075	CRACK LONGITUDINAL		09		0	0								
079	FRACTURE LONGITUDINAL		09		0	0								
083	FRACTURE LONGITUDINAL		12		0	0								
085	FRACTURE LONGITUDINAL		05		0	0								
088	FRACTURE MULTIPLE		02	05	0	0								
091	TAP FACTORY CAPPED		03		0	0								
099	TAP FACTORY CAPPED		09		0	0								
107	TAP FACTORY CAPPED		03		0	0								
116	ACCESS POINT MANHOLE				0	0			DS01073					

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL07590	DS04284	DS04474	RCP	24	12	12		0	0000	0000	0	0

Direction DOWNSTREAM TO UPSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS04284
000	MISCELLANEOUS GENERAL OBSERVATION			0	0	CAMERA ZOOMED TO MANHOLE
000	MISCELLANEOUS WATER LEVEL			0	0	20%
012	ACCESS POINT MANHOLE			0	0	DS04474

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL07591	DS04475	DS04284	VCP	24	38	38	3	0	0000	0000	0	0

Direction DOWNSTREAM TO UPSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS04475
000	MISCELLANEOUS WATER LEVEL			0	0	5%
016	TAP FACTORY		03	0	0	
035	TAP FACTORY CAPPED		03	0	0	
038	ACCESS POINT MANHOLE			0	0	DS04284

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL07683	DS02605	DS01062	VCP	10	145	145	3	0	4336	0000	34	2.83
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS02605						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
024	FRACTURE SPIRAL		12	03	0	0							
027	FRACTURE MULTIPLE		12	12	0	0							
028	TAP FACTORY CAPPED		03		0	0							
062	CRACK CIRCUMFERENTIAL		10	12	0	0							
063	TAP FACTORY CAPPED		09		0	0							
067	CRACK MULTIPLE		11	03	0	0							
070	FRACTURE SPIRAL		12	03	0	0							
090	FRACTURE MULTIPLE		11	04	0	0							
090	TAP FACTORY CAPPED		03		0	0							
111	FRACTURE MULTIPLE		12	04	0	0							
114	FRACTURE LONGITUDINAL		11		0	0							
119	FRACTURE HINGE 2		12	06	0	0							
121	TAP FACTORY CAPPED		09		0	0							
123	TAP FACTORY CAPPED		03		0	0							
124	BROKEN		09	04	0	0							
130	CRACK LONGITUDINAL		01		0	0							
135	CRACK CIRCUMFERENTIAL		12	03	0	0							
145	ACCESS POINT MANHOLE				0	0	DS01062						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL07745	DS01062	DS00025	VCP	10	133	133	3	0	4632	0000	35	3.18
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS01062						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
010	TAP FACTORY CAPPED		03		0	0							
024	TAP FACTORY CAPPED		09		0	0							
028	FRACTURE MULTIPLE		12	02	0	0							

042	CRACK CIRCUMFERENTIAL	06	08	0	0									
048	CRACK SPIRAL	09	11	0	0									
051	CRACK MULTIPLE	03	06	0	0									
054	CRACK MULTIPLE	02	04	0	0									
060	BROKEN	05	07	0	0									
062	TAP FACTORY CAPPED	03		0	0									
066	TAP FACTORY CAPPED	09		0	0									
074	BROKEN	03	06	0	0									
087	CRACK LONGITUDINAL	08		0	0									
103	FRACTURE MULTIPLE	09	03	0	0									
106	CRACK HINGE 4	12	12	0	0									
120	TAP FACTORY CAPPED	03		0	0									
123	FRACTURE MULTIPLE	04	12	0	0									
133	ACCESS POINT MANHOLE			0	0				DS00025					

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL08629	DS04469	DS04470	VCP	15	20	20	3	0	0000	0000	0	0

Direction DOWNSTREAM TO UPSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS04469
000	MISCELLANEOUS WATER LEVEL			0	0	10%
020	ACCESS POINT MANHOLE			0	0	DS04470

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL08758	DS05838	DS30044	VCP	10	105	105	3	0	4122	0000	8	2.66

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS05838
000	MISCELLANEOUS WATER LEVEL			0	0	0%
046	TAP FACTORY CAPPED		09	0	0	
051	TAP FACTORY CAPPED		03	0	0	
052	FRACTURE MULTIPLE		10	01	0	
060	CRACK LONGITUDINAL		03	0	0	
066	CRACK LONGITUDINAL		03	0	0	
098	TAP FACTORY CAPPED		09	0	0	

100	TAP FACTORY CAPPED		03		0	0								
105	ACCESS POINT MANHOLE				0	0			DS05837					

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL08924	DS00025	DS01070	VCP	15	193	193	3	0	4132	0000	15	2.5

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS00025
000	MISCELLANEOUS WATER LEVEL			0	0	20%
023	CRACK LONGITUDINAL	09		0	0	
038	TAP FACTORY CAPPED	03		0	0	
049	TAP FACTORY CAPPED	09		0	0	
060	CRACK LONGITUDINAL	09		0	0	
085	JOINT OFFSET MEDIUM			0	0	
088	FRACTURE MULTIPLE	08	12	0	0	
094	FRACTURE SPIRAL	01	03	0	0	
099	TAP FACTORY CAPPED	09		0	0	
135	TAP FACTORY CAPPED	03		0	0	
136	CRACK CIRCUMFERENTIAL	11	01	0	0	
146	TAP FACTORY ACTIVITY	09		0	0	
148	TAP FACTORY ACTIVITY	03		0	0	
150	TAP FACTORY CAPPED	09		0	0	
152	TAP FACTORY CAPPED	03		0	0	
193	ACCESS POINT MANHOLE			0	0	DS01070

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL09278	DS02603	DS02604	VCP	10	64	64	3	0	4131	2100	10	2.5

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS02603
000	DEPOSITS SETTLED HARD/COMPACTED	05	07	0	0	S01; 10%, CONCRETE
000	MISCELLANEOUS WATER LEVEL			0	0	0%
004	CRACK LONGITUDINAL	09		0	0	
005	DEPOSITS SETTLED HARD/COMPACTED	05	07	0	0	F01; 10%, CONCRETE
006	TAP FACTORY CAPPED	09		0	0	

009	FRACTURE SPIRAL		09	12	0	0							
045	TAP FACTORY CAPPED		03		0	0							
058	FRACTURE MULTIPLE		02	06	0	0							
064	ACCESS POINT MANHOLE				0	0			DS02604				

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL09279	DS02604	DS02605	VCP	10	83	83	3	0	4131	0000	13	2.6

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS02604
000	MISCELLANEOUS WATER LEVEL			0	0	0%
004	FRACTURE MULTIPLE	12	03	0	0	
006	TAP FACTORY CAPPED	03		0	0	
012	TAP FACTORY CAPPED	09		0	0	
030	CRACK LONGITUDINAL	03		0	0	
034	CRACK SPIRAL	11	03	0	0	
050	TAP FACTORY CAPPED	09		0	0	
051	CRACK LONGITUDINAL	03		0	0	
052	TAP FACTORY	03		0	0	
074	CRACK MULTIPLE	11	01	0	0	
083	ACCESS POINT MANHOLE			0	0	DS02605

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL09648	DS01636	DS02603	VCP	10	91	91	3	0	3122	0000	7	2.33

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS01636
000	MISCELLANEOUS WATER LEVEL			0	0	0%
015	FRACTURE MULTIPLE	11	02	0	0	
052	CRACK LONGITUDINAL	09		0	0	
063	TAP FACTORY CAPPED	09		0	0	
073	CRACK LONGITUDINAL	01		0	0	
091	ACCESS POINT MANHOLE			0	0	DS02603

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL09649	DS01073	DS02274	VCP	10	100	100	3	0	3221	0000	9	2.25
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS01073						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
005	TAP FACTORY CAPPED		10		0	0							
010	CRACK LONGITUDINAL		06		0	0							
038	TAP FACTORY CAPPED		03		0	0							
052	TAP FACTORY CAPPED		09		0	0							
069	FRACTURE LONGITUDINAL		01		0	0							
089	FRACTURE LONGITUDINAL		01		0	0							
092	CRACK CIRCUMFERENTIAL		02	03	0	0							
100	ACCESS POINT MANHOLE				0	0	DS02274						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL33005	DS23369	DS05835	VCP	12	45	45	3	0	4100	0000	4	4
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS23369						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
002	TAP FACTORY CAPPED		03		0	0							
014	FRACTURE MULTIPLE		11	03	0	0							
045	ACCESS POINT MANHOLE				0	0	DS05835						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL30079	DS30081	DS05514	VCP	12	143	143	3	0	4100	211C	26	1.18
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS30081						
000	MISCELLANEOUS WATER LEVEL				0	0	5%						
003	TAP FACTORY CAPPED		09		0	0							
008	TAP FACTORY CAPPED		03		0	0							

014	FRACTURE MULTIPLE	01	03	0	0	
017	ROOTS FINE JOINT	04		0	0	S01
088	ROOTS TAP JOINT	10	02	0	0	10%
105	ROOTS FINE JOINT	04		0	0	F01; DEFECT WANDERS
120	MISCELLANEOUS WATER LEVEL			0	0	20%
127	MISCELLANEOUS WATER LEVEL			0	0	35%
130	MISCELLANEOUS GENERAL OBSERVATION			0	0	JETTING
134	MISCELLANEOUS WATER LEVEL			0	0	5%
134	ROOTS FINE JOINT	09	03	0	0	
134	TAP FACTORY CAPPED	03		0	0	
137	ROOTS FINE JOINT	09	03	0	0	
143	ACCESS POINT MANHOLE			0	0	DS05514

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
GRAFTON STREET	DL01762	DS04473	DS04284	VCP	12	20	20	3	0	0000	0000	0	0

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS04473
000	MISCELLANEOUS WATER LEVEL			0	0	20%
002	INFILTRATION STAIN	07	12	0	0	
020	ACCESS POINT MANHOLE			0	0	DS04284

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
INGLESIDE AVENUE	DL02120	DS11734	DS04473	VCP	12	16	16	3	0	0000	0000	0	0

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS11734
000	MISCELLANEOUS WATER LEVEL			0	0	20%
016	ACCESS POINT MANHOLE			0	0	DS04473

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
PILGRIM AVENUE	DL01469	DS10779	DS05803	VCP	10	23	23	3	0	3100	0000	3	3
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS10779						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
008	CRACK MULTIPLE		11	02	0	0							
023	ACCESS POINT MANHOLE				0	0	DS05803						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
PLANTATION STREET	DL00407	DS10778	DS04468	RCP	24x14	72	72	3	0	0000	0000	0	0
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS10778						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
072	ACCESS POINT MANHOLE				0	0	DS04468						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
PURITAN AVENUE	DL00696	DS07515	DS05835	VCP	12	13	13	3	0	2100	0000	2	2
Direction UPSTREAM TO DOWNSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS07515						
000	MISCELLANEOUS WATER LEVEL				0	0	0%						
010	CRACK SPIRAL		12	01	0	0							
013	ACCESS POINT MANHOLE				0	0	DS05835						

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
RUGBY STREET	DL00405	DS04472	DS08658	VCP	12	21	21	3	0	1100	0000	1	1
Direction DOWNSTREAM TO UPSTREAM													
Footage	Defect Code		Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments						
000	ACCESS POINT MANHOLE				0	0	DS04472						

000	MISCELLANEOUS WATER LEVEL				0	0	5%						
012	CRACK CIRCUMFERENTIAL		01	04	0	0							
021	ACCESS POINT MANHOLE				0	0			DS08658				

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
STANDISH STREET	DL07464	DS02836	DS05837	VCP	10	25	25	3	0	3121	0000	5	2.5

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS02836
000	MISCELLANEOUS WATER LEVEL			0	0	0%
005	CRACK LONGITUDINAL	12		0	0	
023	FRACTURE SPIRAL	06	09	0	0	
025	ACCESS POINT MANHOLE			0	0	DS05837

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
WARNER AVENUE	DL07682	DS01071	DS01072	VCP	10	29	29	3	0	2400	0000	8	2

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS01071
000	MISCELLANEOUS WATER LEVEL			0	0	5%
005	MISCELLANEOUS WATER LEVEL SAG			0	0	S01; 20%
025	MISCELLANEOUS WATER LEVEL SAG			0	0	F01; 20%
029	ACCESS POINT MANHOLE			0	0	DS01072

Street	Asset ID	Start Manhole	End Manhole	Pipe Material	Pipe Diameter (in)	Pipe Length (ft)	TV Pipe Length (ft)	Joint Spacing (ft)	Total Infiltration (gpd)	QSR	QMR	OPR	OPRI
WARNER AVENUE	DL09404	DS00026	DS01072	VCP	10	48	48	3	0	5142	3100	19	3.8

Direction UPSTREAM TO DOWNSTREAM

Footage	Defect Code	Clock Position From	Clock Position To	Infil. Rate (gpd)	Uniden. SVC Flow (gpd)	Defect Comments
000	ACCESS POINT MANHOLE			0	0	DS00026
000	MISCELLANEOUS WATER LEVEL			0	0	5%
012	HOLE SOIL VISIBLE	01		0	0	
026	FRACTURE MULTIPLE	07		0	0	
032	FRACTURE MULTIPLE	11	03	0	0	
037	DEPOSITS SETTLED HARD/COMPACTED	04	06	0	0	15%

037	MISCELLANEOUS GENERAL OBSERVATION			0	0	CAMERA STUCK. MANHOLE VISIBLE
039	CRACK MULTIPLE	10	02	0	0	
048	ACCESS POINT MANHOLE			0	0	DS01072
				Total Infiltration	0	
					Total Pipe Length	3,889
					Total TV Pipe Length	3,889

NOTES:

1. Line segments located in an easement will have a "Street Name" designation of an adjacent street.