

# APPENDIX A

## TELEVISION INSPECTION REPORTS AND VIDEOS

To download inspection videos:

<https://sharefile.wseinc.com/link/HI3U6mDL6utLise5l9PSkT>



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
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Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
EMail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

Pipe Segment Refere... <b>114</b>	City <b>Worcester- MA</b>	Street <b>Southbridge Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21539</b>	Total Length <b>28</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>21540</b>	Length surveyed <b>28</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...

SPR <b>N/A</b>	MPR <b>N/A</b>	PO Number		Customer <b>Weston and Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>N/A</b>	Work Order		Purpose <b>Maintenance Related</b>	
QSR <b>N/A</b>	QMR <b>N/A</b>				
OPR <b>N/A</b>	Surveyed By <b>J_Ambrose</b>	Direction <b>Upstream</b>	Date <b>20160504</b>	Media label <b>5-4-16</b>	
OPRI <b>N/A</b>	Certificate Number <b>U-311-12217</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>11:28</b>	Weather <b>Saturated</b>	
Date Cleaned <b>20160504</b>			End Time <b>11:28</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: 21540									
0.0 ft.	Water Level				40	<input type="checkbox"/>			
28.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: 21539									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>114</b>	City <b>Worcester- MA</b>	Street <b>Southbridge Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21539</b>	Total Length <b>28</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>21540</b>	Length surveyed <b>28</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>N/A</b>	PO Number		Customer <b>Weston and Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>N/A</b>	Work Order		Purpose <b>Maintenance Related</b>	
QSR <b>N/A</b>	QMR <b>N/A</b>	Direction <b>Upstream</b>		Media label <b>5-4-16</b>	
OPR <b>N/A</b>	Surveyed By <b>J_Ambrose</b>	Date <b>20160504</b>		Weather <b>Saturated</b>	
OPRI <b>N/A</b>	Certificate Number <b>U-311-12217</b>	Pre-Cleaning <b>Heavy Cleaning</b>		Time <b>11:28</b>	
Date Cleaned <b>20160504</b>			End Time <b>11:28</b>		Additional Info



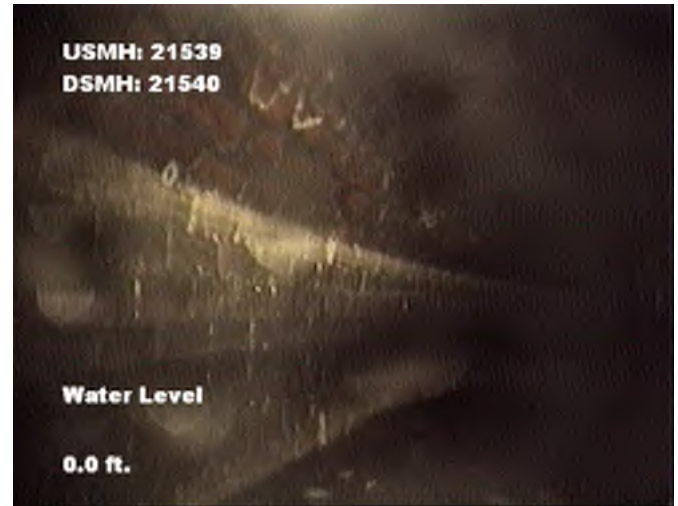


## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
114	Worcester- MA	Southbridge Street	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
21539	28		Oval		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
21540	28		42	32	



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 21540



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 28.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 21539



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
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Mobile:	<b>401-265-3221</b>
E-Mail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>113</b>	<b>City</b> <b>Worcester- MA</b>	<b>Street</b> <b>Sargent Street</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>21542</b>	Total Length <b>177</b>	Year Laid	<b>Shape</b> <b>Oval</b>	Location Details	
<b>DS Manhole</b> <b>21544</b>	Length surveyed <b>177</b>	Year Renewed	<b>Height</b> <b>42</b>	<b>Width</b> <b>32</b>	Pipe Joint...

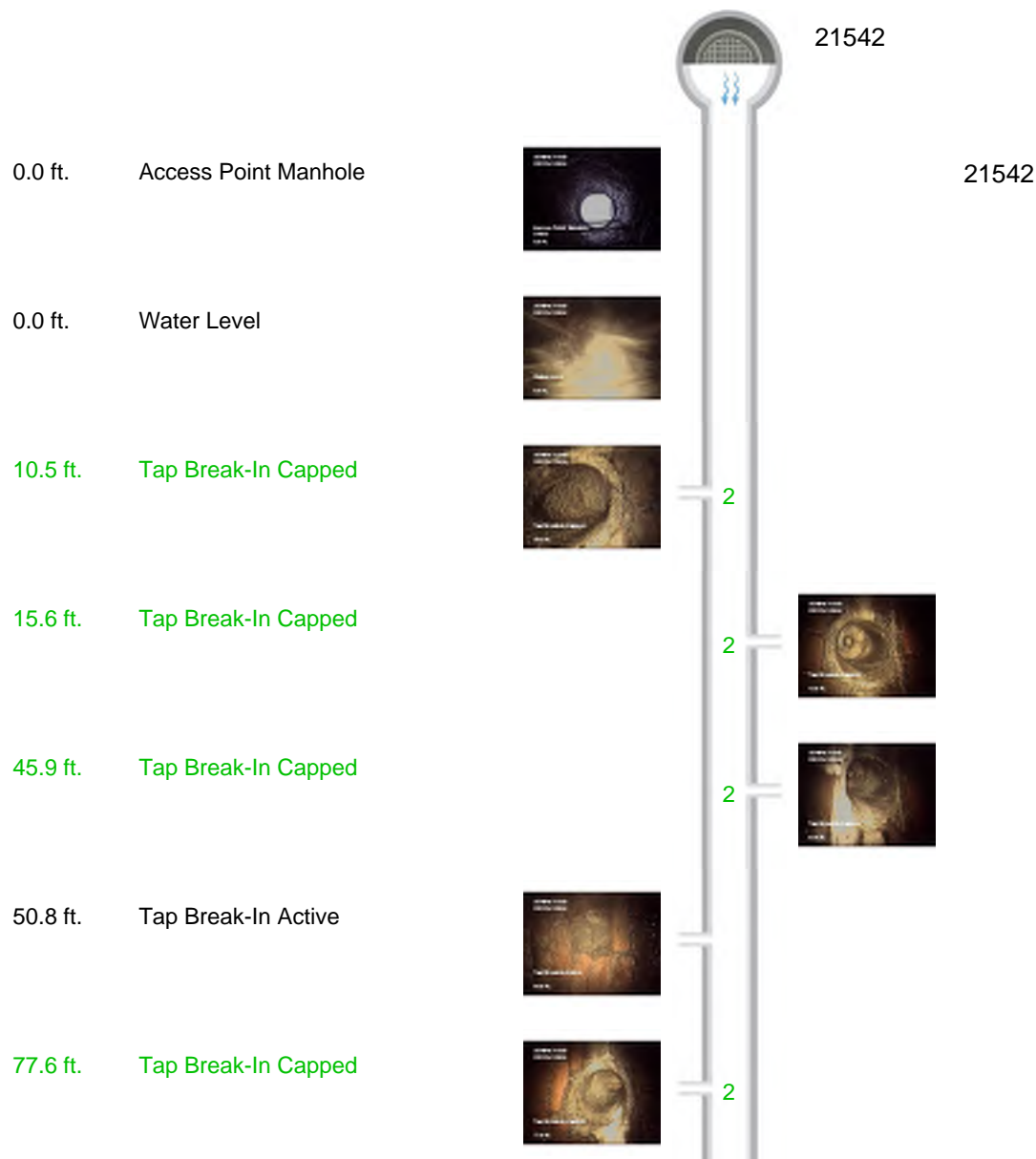
SPR <b>N/A</b>	MPR <b>20</b>	PO Number		Customer	
SPRI <b>N/A</b>	MPRI <b>2</b>			<b>Weston and Sampson</b>	
QSR <b>N/A</b>	QMR <b>2A00</b>	Work Order		Purpose	
				<b>Maintenance Related</b>	
OPR <b>20</b>	<b>Surveyed By</b> <b>J_Ambrose</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160504</b>	Media label <b>5-4-16</b>	
OPRI <b>2</b>	<b>Certificate Number</b> <b>U-311-12217</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	Time <b>11:05</b>	Weather <b>Saturated</b>	
Date Cleaned			End Time <b>11:06</b>	Additional Info <b>line is parshel plu...</b>	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 21542									
0.0 ft.	Water Level				45	<input type="checkbox"/>			
10.5 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	2		2
15.6 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	9		2
45.9 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	9		2
50.8 ft.	Tap Break-In Active		6		0	<input type="checkbox"/>	2		
77.6 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	3		2
78.5 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	9		2
110.6 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	9		2
111.1 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	3		2
135.7 ft.	Tap Break-In Active		6		0	<input type="checkbox"/>	2		
145.0 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	9		2
145.0 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	2		2
176.0 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	2		2
177.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 21544									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>113</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21542</b>	Total Length <b>177</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>21544</b>	Length surveyed <b>177</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>20</b>	PO Number		Customer <b>Weston and Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Maintenance Related</b>	
QSR <b>N/A</b>	QMR <b>2A00</b>	Direction <b>Downstream</b>		Media label <b>5-4-16</b>	
OPR <b>20</b>	Surveyed By <b>J_Ambrose</b>	Date <b>20160504</b>		Weather <b>Saturated</b>	
OPRI <b>2</b>	Certificate Number <b>U-311-12217</b>	Pre-Cleaning <b>Heavy Cleaning</b>		Additional Info <b>line is parshel plu...</b>	
Date Cleaned			End Time <b>11:06</b>		





## Defect Listing Plot with Images

Pipe Segment Refere... <b>113</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21542</b>	Total Length <b>177</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>21544</b>	Length surveyed <b>177</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>20</b>	PO Number		Customer <b>Weston and Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Maintenance Related</b>	
QSR <b>N/A</b>	QMR <b>2A00</b>				
OPR <b>20</b>	Surveyed By <b>J_Ambrose</b>	Direction <b>Downstream</b>	Date <b>20160504</b>	Media label <b>5-4-16</b>	
OPRI <b>2</b>	Certificate Number <b>U-311-12217</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>11:05</b>	Weather <b>Saturated</b>	
Date Cleaned			End Time <b>11:06</b>	Additional Info <b>line is parshel plu...</b>	

78.5 ft. Tap Break-In Capped

2



110.6 ft. Tap Break-In Capped

2



111.1 ft. Tap Break-In Capped

2



135.7 ft. Tap Break-In Active



145.0 ft. Tap Break-In Capped

2



145.0 ft. Tap Break-In Capped

2



176.0 ft. Tap Break-In Capped

2



177.0 ft. Access Point Manhole



21544





## Defect Listing Plot with Images

Pipe Segment Refere... <b>113</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21542</b>	Total Length <b>177</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>21544</b>	Length surveyed <b>177</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>20</b>	PO Number		Customer <b>Weston and Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Maintenance Related</b>	
QSR <b>N/A</b>	QMR <b>2A00</b>				
OPR <b>20</b>	Surveyed By <b>J_Ambrose</b>	Direction <b>Downstream</b>	Date <b>20160504</b>	Media label <b>5-4-16</b>	
OPRI <b>2</b>	Certificate Number <b>U-311-12217</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>11:05</b>	Weather <b>Saturated</b>	
Date Cleaned			End Time <b>11:06</b>	Additional Info <b>line is parshel plu...</b>	

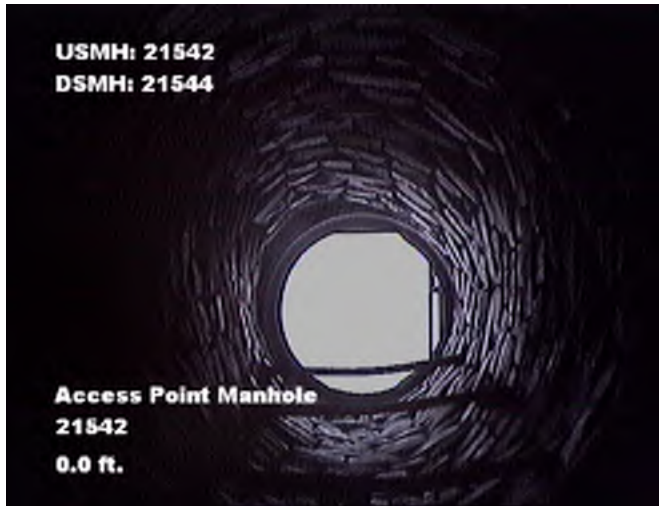


21544



## Image Report 4/Page

Pipe Segment Refere... <b>113</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>		Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21542</b>	Total Length <b>177</b>	Year Laid	Shape <b>Oval</b>		Location Details	
DS Manhole <b>21544</b>	Length surveyed <b>177</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...	



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 21542



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 10.5 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 15.6 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>113</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21542</b>	Total Length <b>177</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>21544</b>	Length surveyed <b>177</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...



Distance: 45.9 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 50.8 ft. Grade: 0  
Condition: Tap Break-In Active  
Remarks: N/A



Distance: 77.6 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 78.5 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A

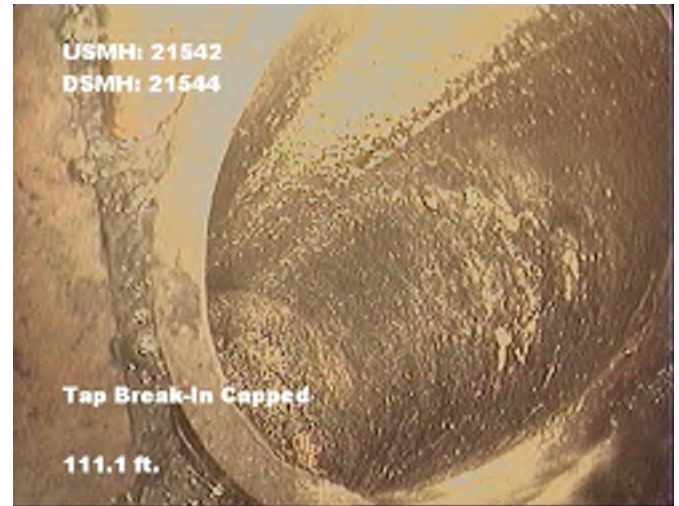


## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
113	Worcester- MA	Sargent Street	Brick	Light High...	Combined
Upstream MH 21542	Total Length 177	Year Laid	Shape Oval	Location Details	
DS Manhole 21544	Length surveyed 177	Year Renewed	Height 42	Width 32	Pipe Joint...



Distance: 110.6 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 111.1 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 135.7 ft. Grade: 0  
Condition: Tap Break-In Active  
Remarks: N/A



Distance: 145.0 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A

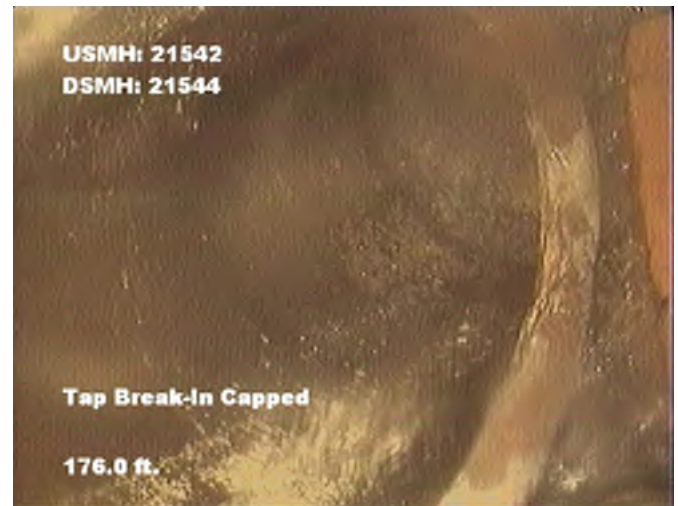


## Image Report 4/Page

Pipe Segment Refere... <b>113</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21542</b>	Total Length <b>177</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>21544</b>	Length surveyed <b>177</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...



Distance: 145.0 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 176.0 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 177.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 21544



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
E-Mail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>194</b>	<b>City</b> <b>Worcester- MA</b>	<b>Street</b> <b>Sargent Street</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>21544</b>	Total Length <b>180</b>	Year Laid	<b>Shape</b> <b>Oval</b>	Location Details	
<b>DS Manhole</b> <b>22279</b>	Length surveyed <b>180</b>	Year Renewed	<b>Height</b> <b>42</b>	<b>Width</b> <b>32</b>	Pipe Joint...

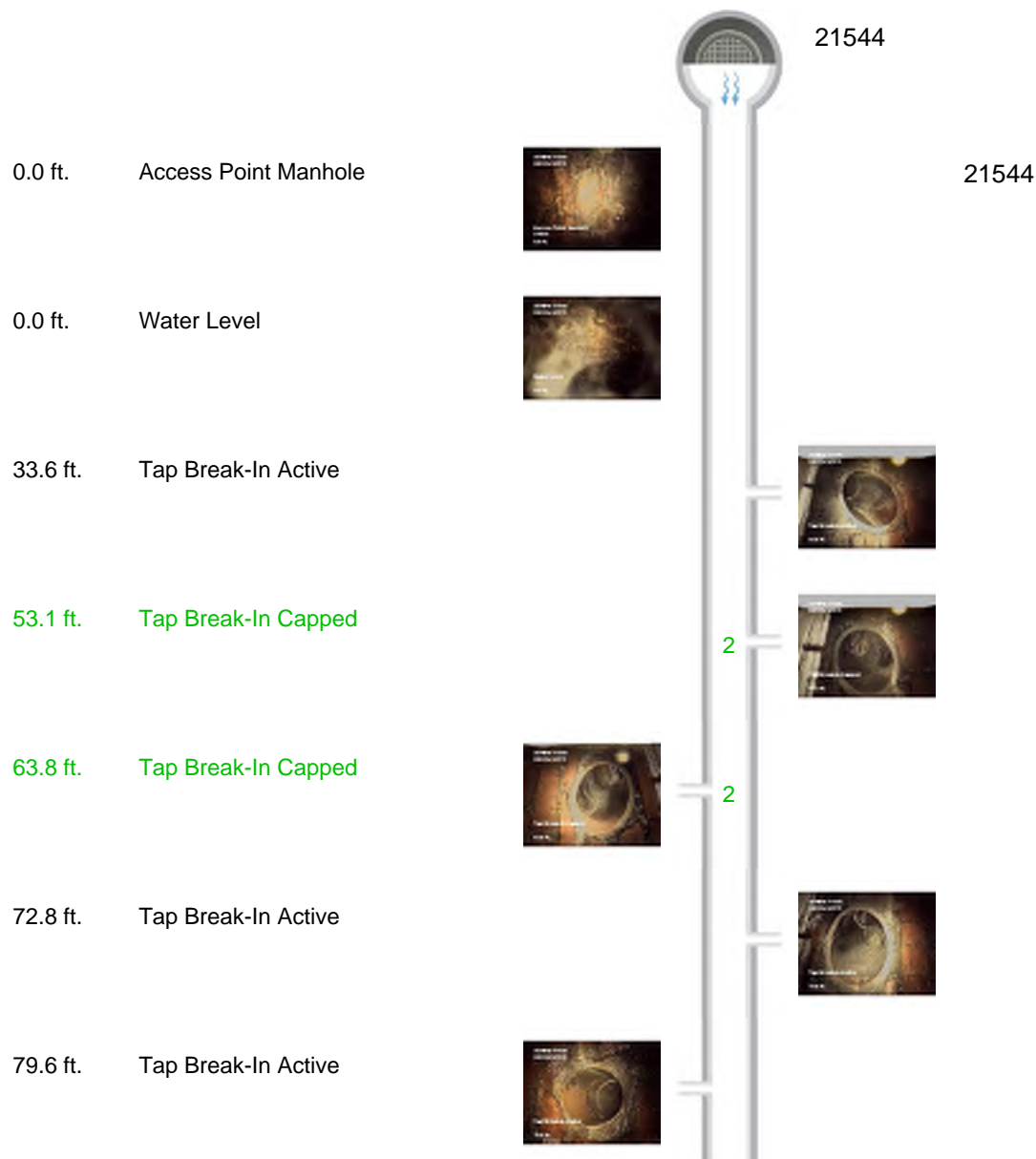
SPR <b>N/A</b>	MPR <b>11</b>	PO Number		Customer <b>Weston and Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>1.8</b>	Work Order		Purpose <b>Maintenance Related</b>	
QSR <b>N/A</b>	QMR <b>2511</b>				
OPR <b>11</b>	<b>Surveyed By</b> <b>J_Ambrose</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160504</b>	<b>Media label</b> <b>5-4-16</b>	
OPRI <b>1.8</b>	<b>Certificate Number</b> <b>U-311-12217</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>12:47</b>	<b>Weather</b> <b>Saturated</b>	
<b>Date Cleaned</b> <b>20160504</b>			<b>End Time</b> <b>13:20</b>	<b>Additional Info</b> <b>line is parshel plu...</b>	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 21544									
0.0 ft.	Water Level				50	<input type="checkbox"/>			
33.6 ft.	Tap Break-In Active		6		0	<input type="checkbox"/>	9		
53.1 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	9		2
63.8 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	3		2
72.8 ft.	Tap Break-In Active		6		0	<input type="checkbox"/>	9		
79.6 ft.	Tap Break-In Active		6		0	<input type="checkbox"/>	3		
108.3 ft.	Tap Break-In Active		6		0	<input type="checkbox"/>	9		
133.2 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	3		2
136.7 ft.	Tap Break-In Capped		6		0	<input type="checkbox"/>	9		2
165.1 ft.	Obstacle Built Into Structure				5	<input type="checkbox"/>	9	3	2
<b>Remarks:</b> steel plate through line									
172.2 ft.	Tap Break-In Active		6		0	<input type="checkbox"/>	8		
175.0 ft.	Alignment Right				70	<input type="checkbox"/>			1
175.0 ft.	General Observation				0	<input type="checkbox"/>			
<b>Remarks:</b> zoomed into mh- camera cannot make bend									
180.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 22279									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>194</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21544</b>	Total Length <b>180</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>22279</b>	Length surveyed <b>180</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>11</b>	PO Number		Customer <b>Weston and Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>1.8</b>	Work Order		Purpose <b>Maintenance Related</b>	
QSR <b>N/A</b>	QMR <b>2511</b>				
OPR <b>11</b>	Surveyed By <b>J_Ambrose</b>	Direction <b>Downstream</b>	Date <b>20160504</b>	Media label <b>5-4-16</b>	
OPRI <b>1.8</b>	Certificate Number <b>U-311-12217</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>12:47</b>	Weather <b>Saturated</b>	
Date Cleaned <b>20160504</b>			End Time <b>13:20</b>	Additional Info <b>line is parshel plu...</b>	





## Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
194	Worcester- MA	Sargent Street	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
21544	180		Oval		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
22279	180		42	32	
SPR	N/A	MPR	11	PO Number	
SPRI	N/A	MPRI	1.8	Customer	
QSR	N/A	QMR	2511	Work Order	
				Weston and Sampson	
				Purpose	
				Maintenance Related	
OPR	Surveyed By	Direction	Date	Media label	
11	J_Ambrose	Downstream	20160504	5-4-16	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
1.8	U-311-12217	Heavy Cleaning	12:47	Saturated	
Date Cleaned			End Time	Additional Info	
20160504			13:20	line is parshel plu...	

108.3 ft. Tap Break-In Active



133.2 ft. Tap Break-In Capped



2

136.7 ft. Tap Break-In Capped



2

165.1 ft. Obstacle Built Into Structure



2

steel plate through line

172.2 ft. Tap Break-In Active



175.0 ft. Alignment Right



1

175.0 ft. General Observation



zoomed into mh- camera cannot make bend

180.0 ft. Access Point Manhole



22279





## Defect Listing Plot with Images

Pipe Segment Refere... <b>194</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21544</b>	Total Length <b>180</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>22279</b>	Length surveyed <b>180</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>11</b>	PO Number		Customer <b>Weston and Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>1.8</b>	Work Order		Purpose <b>Maintenance Related</b>	
QSR <b>N/A</b>	QMR <b>2511</b>				
OPR <b>11</b>	Surveyed By <b>J_Ambrose</b>	Direction <b>Downstream</b>	Date <b>20160504</b>	Media label <b>5-4-16</b>	
OPRI <b>1.8</b>	Certificate Number <b>U-311-12217</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>12:47</b>	Weather <b>Saturated</b>	
Date Cleaned <b>20160504</b>			End Time <b>13:20</b>	Additional Info <b>line is parshel plu...</b>	



22279



## Image Report 4/Page

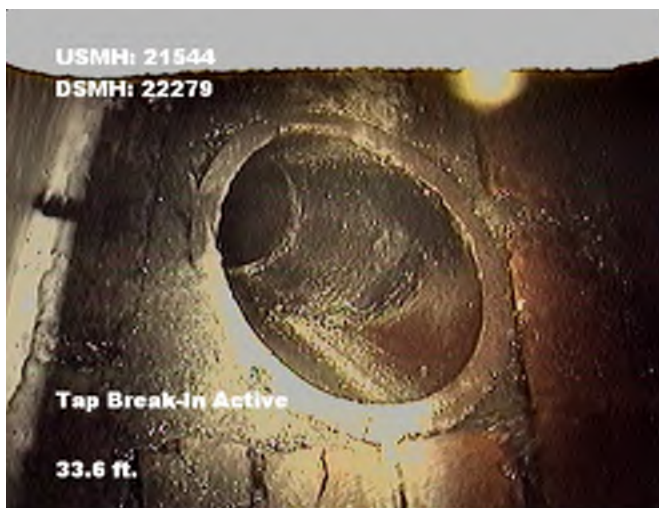
Pipe Segment Refere... <b>194</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21544</b>	Total Length <b>180</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>22279</b>	Length surveyed <b>180</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 21544



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 33.6 ft. Grade: 0  
Condition: Tap Break-In Active  
Remarks: N/A



Distance: 53.1 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



# Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
194	Worcester- MA	Sargent Street	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
21544	180		Oval		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
22279	180		42	32	



Distance: 63.8 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 72.8 ft. Grade: 0  
Condition: Tap Break-In Active  
Remarks: N/A



Distance: 79.6 ft. Grade: 0  
Condition: Tap Break-In Active  
Remarks: N/A

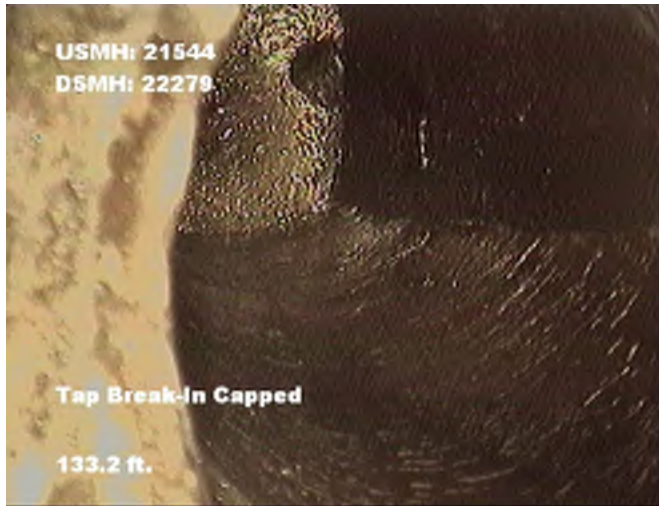


Distance: 108.3 ft. Grade: 0  
Condition: Tap Break-In Active  
Remarks: N/A

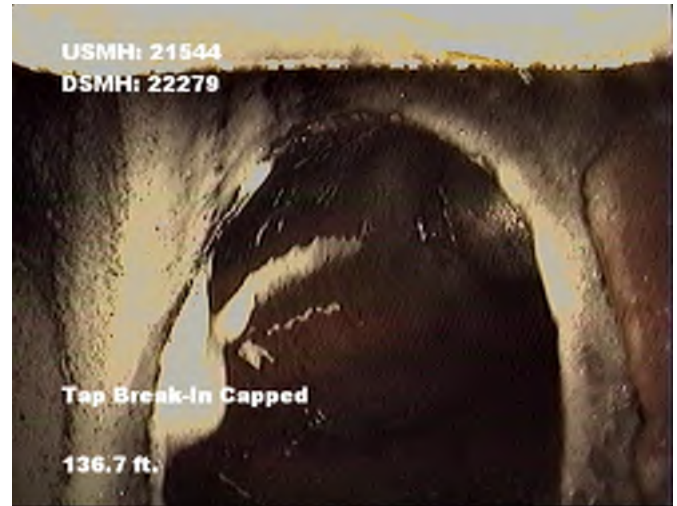


## Image Report 4/Page

Pipe Segment Refere... <b>194</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>		Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21544</b>	Total Length <b>180</b>	Year Laid	Shape <b>Oval</b>		Location Details	
DS Manhole <b>22279</b>	Length surveyed <b>180</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...	



Distance: 133.2 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 136.7 ft. Grade: 2  
Condition: Tap Break-In Capped  
Remarks: N/A



Distance: 165.1 ft. Grade: 2  
Condition: Obstacle Built Into Structure  
Remarks: steel plate through line



Distance: 172.2 ft. Grade: 0  
Condition: Tap Break-In Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>194</b>	City <b>Worcester- MA</b>	Street <b>Sargent Street</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>21544</b>	Total Length <b>180</b>	Year Laid	Shape <b>Oval</b>	Location Details	
DS Manhole <b>22279</b>	Length surveyed <b>180</b>	Year Renewed	Height <b>42</b>	Width <b>32</b>	Pipe Joint...



Distance: 175.0 ft. Grade: 1  
Condition: Alignment Right  
Remarks: N/A



Distance: 175.0 ft. Grade: 0  
Condition: General Observation  
Remarks: zoomed into mh- camera cannot make bend



Distance: 180.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 22279



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
EMail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>23295</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond Ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>9150</b>	Total Length <b>N/A</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>24195</b>	Length surveyed <b>83</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

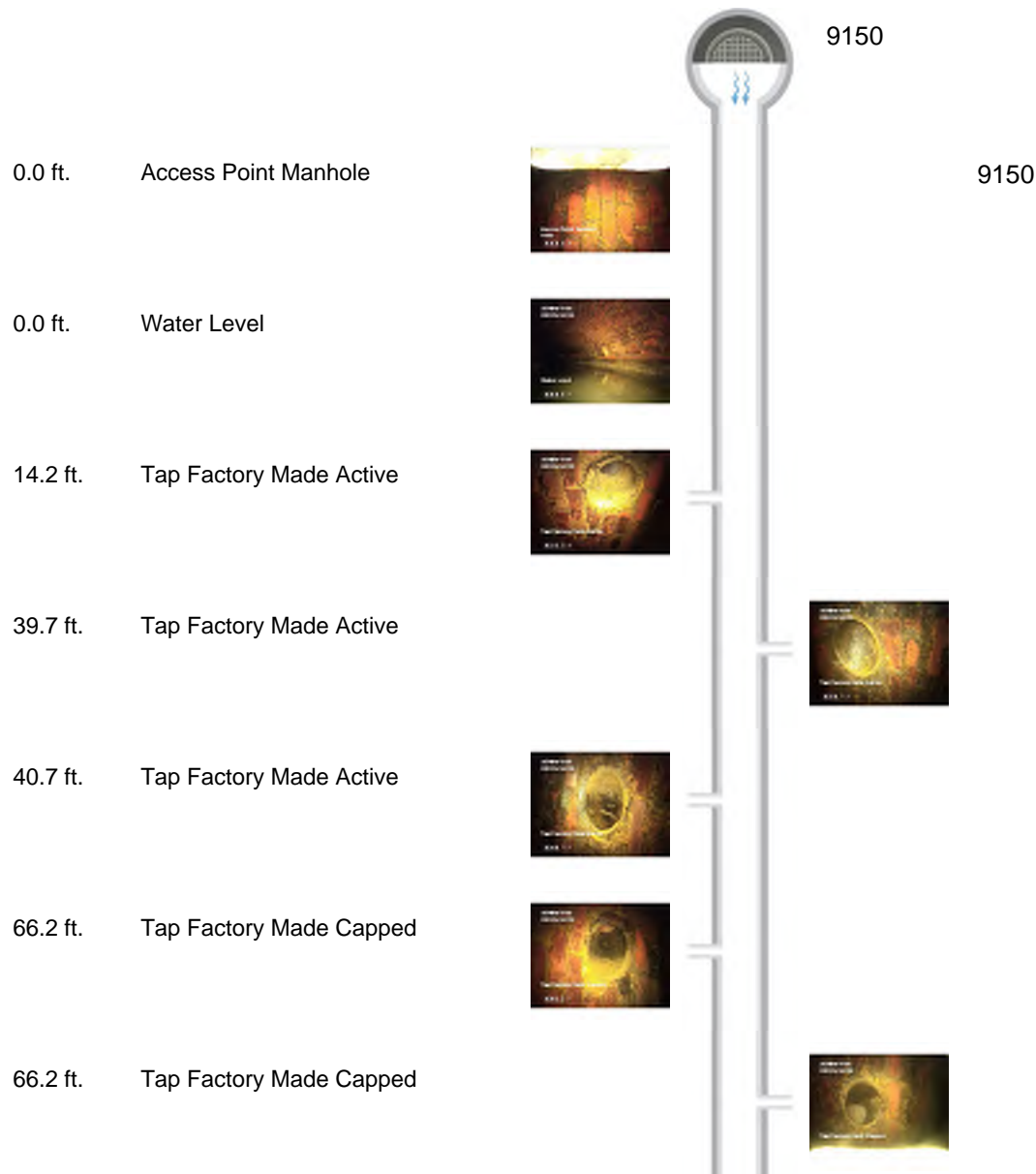
SPR <b>N/A</b>	MPR <b>N/A</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>N/A</b>	Work Order		Purpose	
QSR <b>N/A</b>	QMR <b>N/A</b>			<b>Capital Improvement Program As...</b>	
OPR <b>N/A</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160706</b>	Media label	
OPRI <b>N/A</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	Time <b>00:04</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160706</b>			End Time <b>00:59</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 9150									
0.0 ft.	Water Level				20	<input type="checkbox"/>			
14.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
39.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
40.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
66.2 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	3		
66.2 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	9		
83.0 ft.	Survey Abandoned				0	<input type="checkbox"/>			
<b>Remarks:</b> blockage									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>23295</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9150</b>	Total Length <b>N/A</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>24195</b>	Length surveyed <b>83</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>N/A</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>N/A</b>	Work Order		Purpose	
QSR <b>N/A</b>	QMR <b>N/A</b>			<b>Capital Improvement Program As...</b>	
OPR <b>N/A</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160706</b>	Media label	
OPRI <b>N/A</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>00:04</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160706</b>			End Time <b>00:59</b>	Additional Info	







## Defect Listing Plot with Images

Pipe Segment Refere... <b>23295</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9150</b>	Total Length <b>N/A</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>24195</b>	Length surveyed <b>83</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>N/A</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>N/A</b>	Work Order		Purpose	
QSR <b>N/A</b>	QMR <b>N/A</b>			<b>Capital Improvement Program As...</b>	
OPR <b>N/A</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160706</b>	Media label	
OPRI <b>N/A</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>00:04</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160706</b>			End Time <b>00:59</b>	Additional Info	

83.0 ft. Survey Abandoned



blockage



## Image Report 4/Page

Pipe Segment Refere... <b>23295</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9150</b>	Total Length <b>N/A</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>24195</b>	Length surveyed <b>83</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 9150



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 14.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 39.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>23295</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9150</b>	Total Length <b>N/A</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>24195</b>	Length surveyed <b>83</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 40.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 66.2 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



Distance: 66.2 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



Distance: 83.0 ft. Grade: 0  
Condition: Survey Abandoned  
Remarks: blockage



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
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Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
EMail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>23295 (rev)</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond Ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>9150</b>	Total Length <b>161</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>24195</b>	Length surveyed <b>78</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

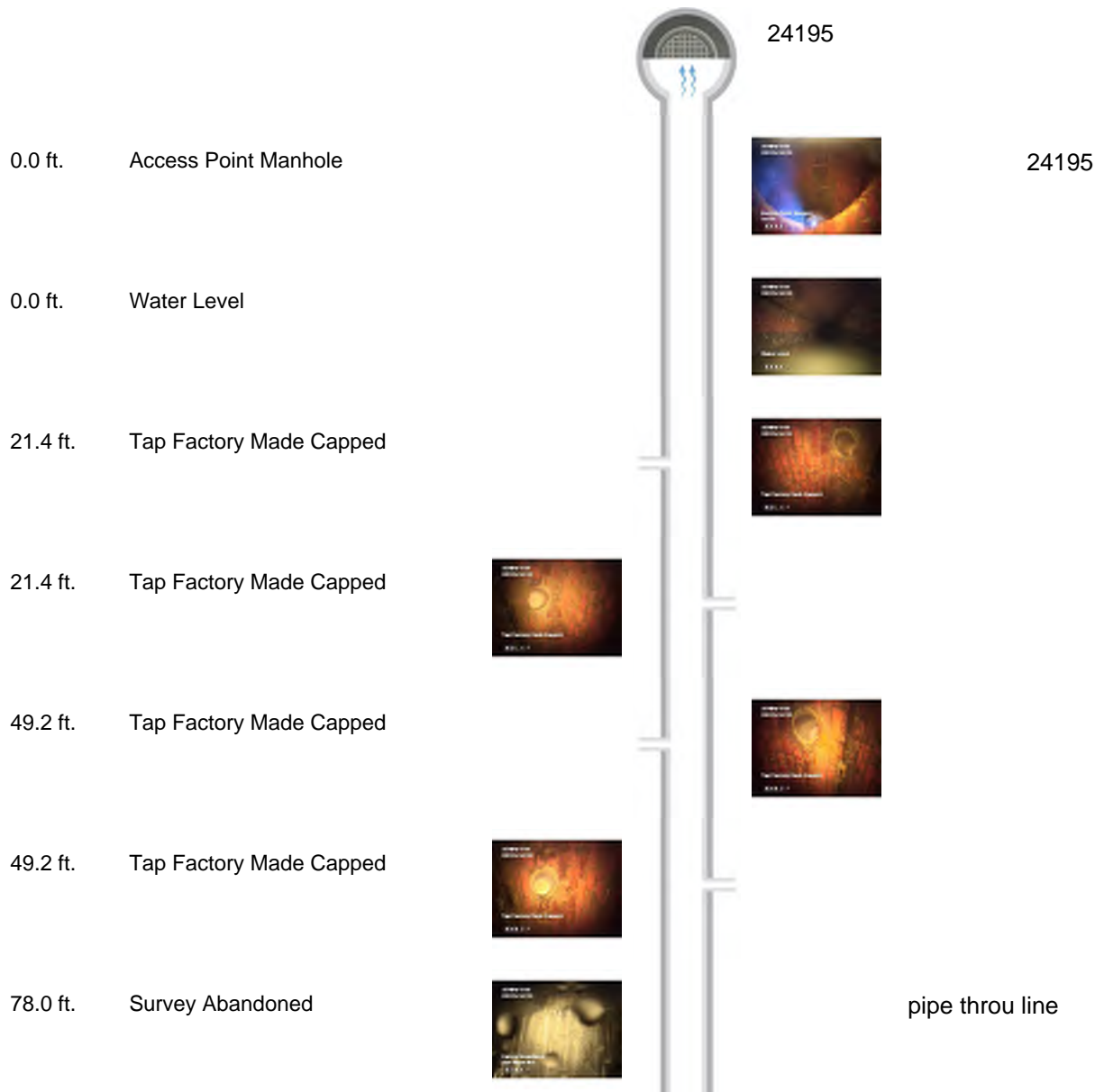
SPR	<b>N/A</b>	MPR	<b>N/A</b>	PO Number	Customer <b>N/A</b>
SPRI	<b>N/A</b>	MPRI	<b>N/A</b>	Work Order	Purpose <b>Capital Improvement Program As...</b>
QSR	<b>N/A</b>	QMR	<b>N/A</b>		Media label
OPR <b>N/A</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Upstream</b>	<b>Date</b> <b>20160706</b>		
OPRI <b>N/A</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>01:38</b>	<b>Weather</b> <b>Dry</b>	
<b>Date Cleaned</b> <b>20160706</b>			<b>End Time</b> <b>01:47</b>	<b>Additional Info</b>	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 24195									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
21.4 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	2		
21.4 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	10		
49.2 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	3		
49.2 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	9		
78.0 ft.	Survey Abandoned				0	<input type="checkbox"/>			
<b>Remarks:</b> pipe throu line									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>23295 (rev)</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9150</b>	Total Length <b>161</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>24195</b>	Length surveyed <b>78</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>N/A</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>N/A</b>	Work Order		Purpose	
QSR <b>N/A</b>	QMR <b>N/A</b>			<b>Capital Improvement Program As...</b>	
OPR <b>N/A</b>	Surveyed By <b>D_Messier</b>	Direction <b>Upstream</b>	Date <b>20160706</b>	Media label	
OPRI <b>N/A</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>01:38</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160706</b>			End Time <b>01:47</b>	Additional Info	







## Defect Listing Plot with Images

Pipe Segment Refere... <b>23295 (rev)</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9150</b>	Total Length <b>161</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>24195</b>	Length surveyed <b>78</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>N/A</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>N/A</b>	Work Order		Purpose	
QSR <b>N/A</b>	QMR <b>N/A</b>			<b>Capital Improvement Program As...</b>	
OPR <b>N/A</b>	Surveyed By <b>D_Messier</b>	Direction <b>Upstream</b>	Date <b>20160706</b>	Media label	
OPRI <b>N/A</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>01:38</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160706</b>			End Time <b>01:47</b>	Additional Info	





## Image Report 4/Page

Pipe Segment Refere... <b>23295 (rev)</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9150</b>	Total Length <b>161</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>24195</b>	Length surveyed <b>78</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 24195



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 21.4 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



Distance: 21.4 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



## Image Report 4/Page

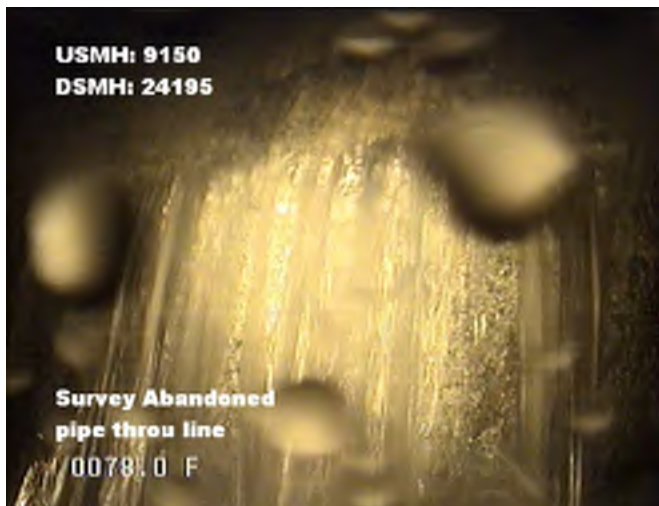
Pipe Segment Refere... <b>23295 (rev)</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9150</b>	Total Length <b>161</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>24195</b>	Length surveyed <b>78</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 49.2 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



Distance: 49.2 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



Distance: 78.0 ft. Grade: 0  
Condition: Survey Abandoned  
Remarks: pipe thru line



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
EMail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

Pipe Segment Refere... <b>7264</b>	City <b>Worcester</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Main Highw...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>24195</b>	Total Length <b>61</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>24197</b>	Length surveyed <b>61</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...

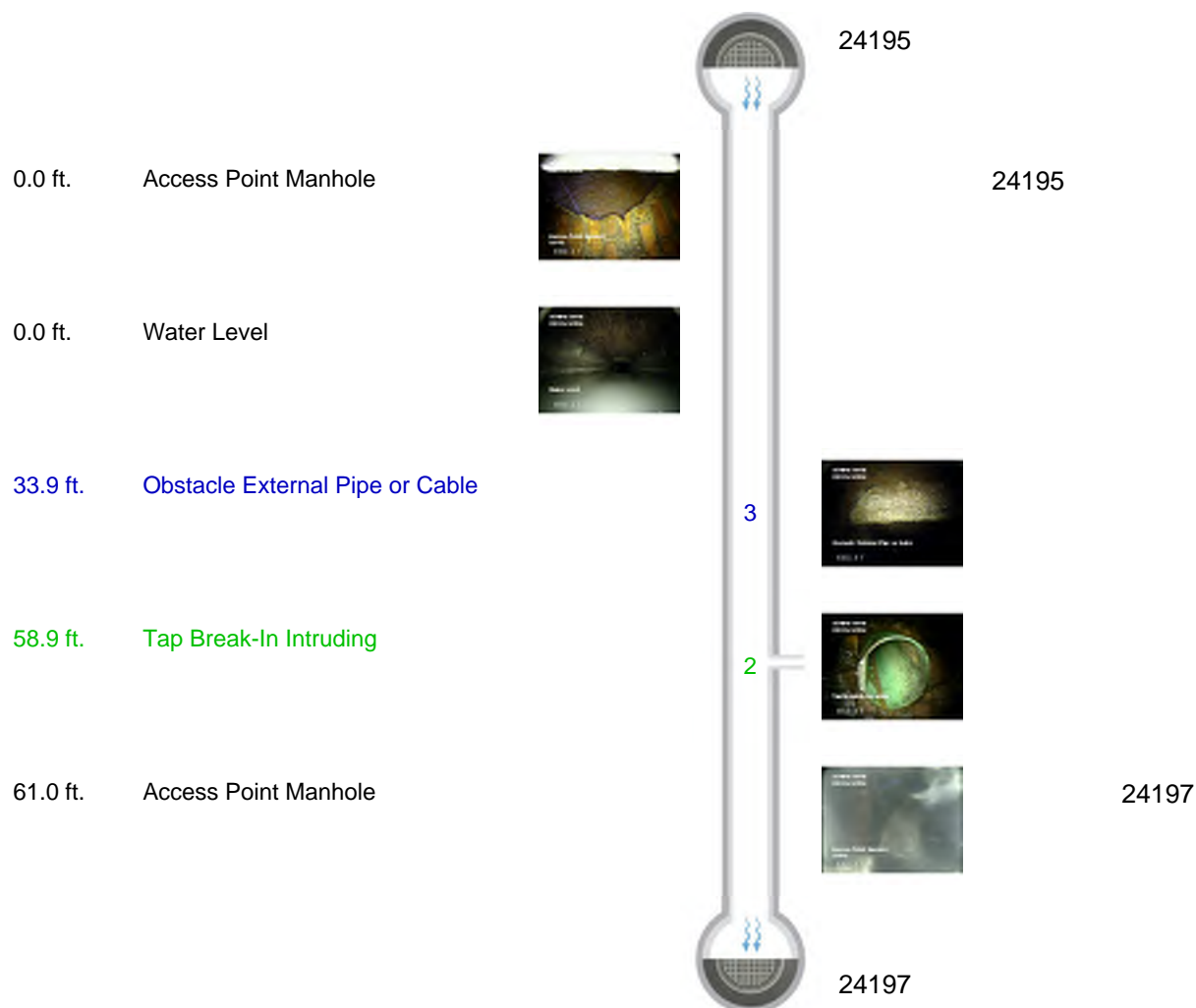
SPR <b>N/A</b>	MPR <b>5</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2.5</b>	Work Order		Purpose <b>Infiltration/Inflow Investigat...</b>	
QSR <b>N/A</b>	QMR <b>3121</b>				
OPR <b>5</b>	Surveyed By <b>M. Thompson</b>	Direction <b>Downstream</b>	Date <b>20160607</b>	Media label	
OPRI <b>2.5</b>	Certificate Number <b>U-06-19238</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>08:24</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160607</b>			End Time <b>08:37</b>	Additional Info <b>Video mislabeled</b>	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: 24195									
0.0 ft.	Water Level				40	<input type="checkbox"/>			
33.9 ft.	Obstacle External Pipe or Cable				20	<input type="checkbox"/>	10	2	3
58.9 ft.	Tap Break-In Intruding		6	4	0	<input checked="" type="checkbox"/>	9		2
61.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: 24197									



## Defect Listing Plot with Images

Pipe Segment Refere... 7264	City Worcester	Street Quinsigamond Ave	Material Brick		Location C... Main Highw...	Sewer Use Combined
Upstream MH 24195	Total Length 61	Year Laid	Shape Circular		Location Details	
DS Manhole 24197	Length surveyed 61	Year Renewed	Height 48	Width 48	Pipe Joint...	
SPR N/A	MPR 5	PO Number		Customer Weston & Sampson		
SPRI N/A	MPRI 2.5	Work Order		Purpose Infiltration/Inflow Investigat...		
QSR N/A	QMR 3121					
OPR 5	Surveyed By M_Thompson	Direction Downstream	Date 20160607		Media label	
OPRI 2.5	Certificate Number U-06-19238	Pre-Cleaning Heavy Cleaning	Time 08:24		Weather Dry	
Date Cleaned 20160607			End Time 08:37		Additional Info Video mislabeled	





## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7264	Worcester	Quinsigamond Ave	Brick	Main Highw...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
24195	61		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
24197	61		48	48	



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 24195



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 33.9 ft. Grade: 3  
Condition: Obstacle External Pipe or Cable  
Remarks: N/A



Distance: 58.9 ft. Grade: 2  
Condition: Tap Break-In Intruding  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7264	Worcester	Quinsigamond Ave	Brick	Main Highw...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
24195	61		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
24197	61		48	48	



Distance: 61.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 24197



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
E-Mail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>28868</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond Ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>24197</b>	Total Length <b>106</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>9110</b>	Length surveyed <b>106</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

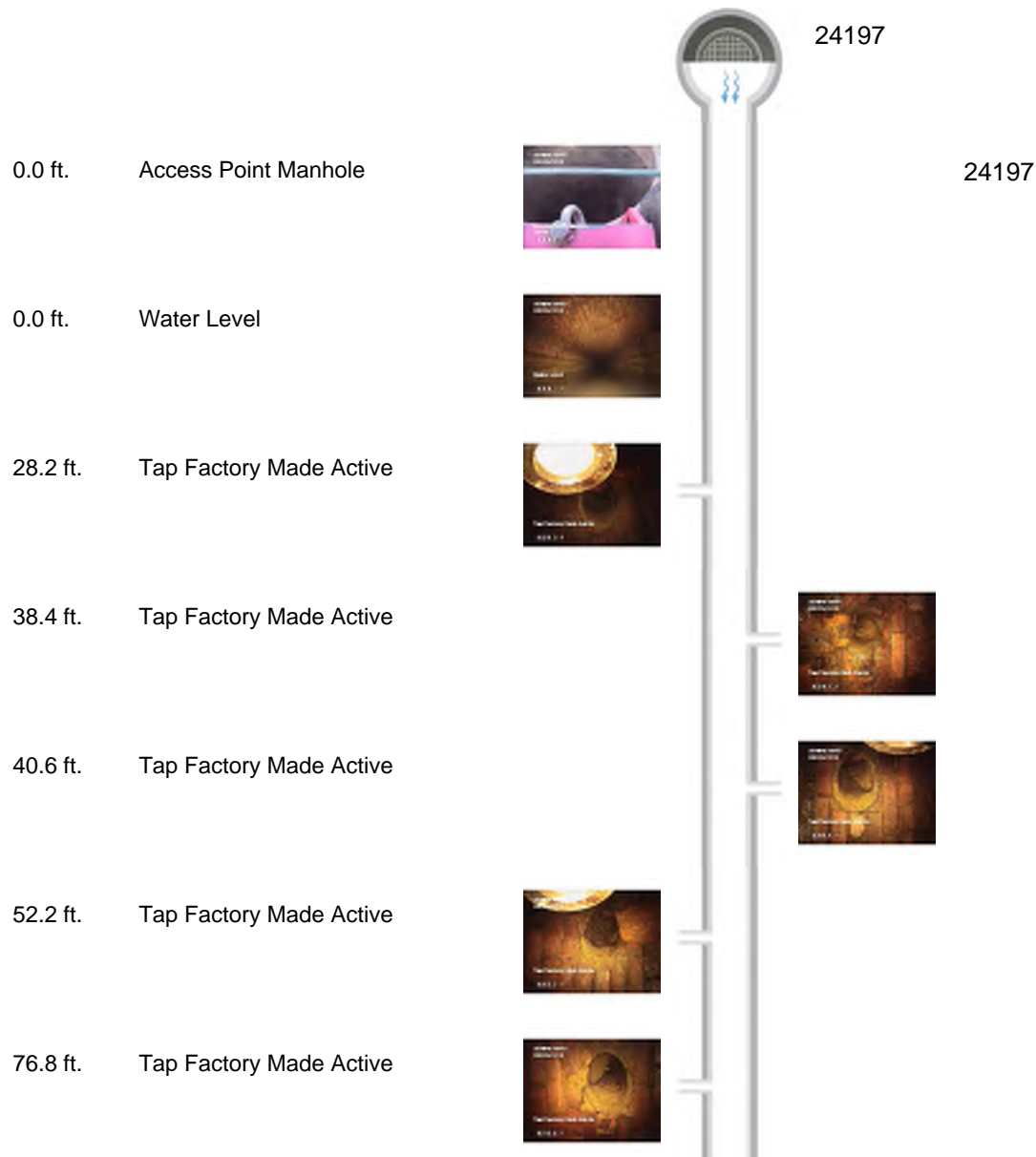
SPR	<b>N/A</b>	MPR	<b>N/A</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI	<b>N/A</b>	MPRI	<b>N/A</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR	<b>N/A</b>	QMR	<b>N/A</b>				
OPR <b>N/A</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160624</b>		Media label		
OPRI <b>N/A</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	Time <b>07:52</b>		Weather <b>Dry</b>		
Date Cleaned			End Time <b>08:32</b>		Additional Info		

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 24197									
0.0 ft.	Water Level				15	<input type="checkbox"/>			
28.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
38.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
40.6 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
52.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
76.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
88.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
106.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 9110									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>28868</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>24197</b>	Total Length <b>106</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9110</b>	Length surveyed <b>106</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>N/A</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>N/A</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>N/A</b>			Media label	
OPR <b>N/A</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160624</b>		
OPRI <b>N/A</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:52</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>08:32</b>	Additional Info	





## Defect Listing Plot with Images

Pipe Segment Refere... <b>28868</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>24197</b>	Total Length <b>106</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9110</b>	Length surveyed <b>106</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>N/A</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>N/A</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>N/A</b>			Media label	
OPR <b>N/A</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160624</b>		
OPRI <b>N/A</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:52</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>08:32</b>	Additional Info	

88.7 ft. Tap Factory Made Active

106.0 ft. Access Point Manhole



9110

9110



## Image Report 4/Page

Pipe Segment Refere... <b>28868</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>24197</b>	Total Length <b>106</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9110</b>	Length surveyed <b>106</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 24197



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 28.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 38.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28868</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>		Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>24197</b>	Total Length <b>106</b>	Year Laid	Shape <b>Circular</b>		Location Details	
DS Manhole <b>9110</b>	Length surveyed <b>106</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...	



Distance: 40.6 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 52.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 76.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 88.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28868</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>24197</b>	Total Length <b>106</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9110</b>	Length surveyed <b>106</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 106.0 ft. Grade: 0  
 Condition: Access Point Manhole  
 Remarks: 9110



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
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Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
E-Mail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...

SPR <b>6</b>	MPR <b>38</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>1.5</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>3113</b>	QMR <b>2B00</b>				
OPR <b>44</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160624</b>	Media label	
OPRI <b>1.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>08:34</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>09:05</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: 9110									
0.0 ft.	Water Level				20	<input type="checkbox"/>			
5.7 ft.	Infiltration Weeper				0	<input type="checkbox"/>	3		2
5.7 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	9		2
7.4 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	9		2
9.1 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	9		2
18.6 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	10		2
26.9 ft.	Infiltration Weeper				0	<input type="checkbox"/>	8		2
31.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
31.7 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	3		2
31.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
36.5 ft.	Infiltration Weeper				0	<input type="checkbox"/>	10		2
76.1 ft.	Infiltration Weeper				0	<input type="checkbox"/>	3		2
76.2 ft.	Infiltration Weeper				0	<input type="checkbox"/>	9		2
78.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
78.3 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
80.8 ft.	Infiltration Stain				0	<input type="checkbox"/>	9		
80.8 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	9		2
93.8 ft.	Infiltration Weeper				0	<input type="checkbox"/>	9		2
97.6 ft.	Surface Roughness Increased Chemical				0	<input type="checkbox"/>	9		1
97.6 ft.	Surface Roughness Increased Chemical				0	<input type="checkbox"/>	3		1
113.2 ft.	Infiltration Stain				0	<input checked="" type="checkbox"/>	9		
129.5 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
129.5 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
132.4 ft.	Obstacle Intruding Thru Wall				5	<input type="checkbox"/>	11	1	2
137.6 ft.	Mortar Missing Medium				0	<input type="checkbox"/>	3		3
137.6 ft.	Infiltration Stain				0	<input checked="" type="checkbox"/>	3		
137.6 ft.	Infiltration Weeper				0	<input type="checkbox"/>	9		2
142.7 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	3		2
148.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
152.1 ft.	Obstacle Intruding Thru Wall				5	<input type="checkbox"/>	11	1	2
157.4 ft.	Obstacle Intruding Thru Wall				5	<input type="checkbox"/>	11	1	2





## Defect Listing

<b>Pipe Segment Refere...</b> <b>28869</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond Ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>9110</b>	Total Length <b>212</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

SPR <b>6</b>	MPR <b>38</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>1.5</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>3113</b>	QMR <b>2B00</b>				
OPR <b>44</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160624</b>	Media label	
OPRI <b>1.9</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>08:34</b>	<b>Weather</b> <b>Dry</b>	
Date Cleaned			<b>End Time</b> <b>09:05</b>	Additional Info	

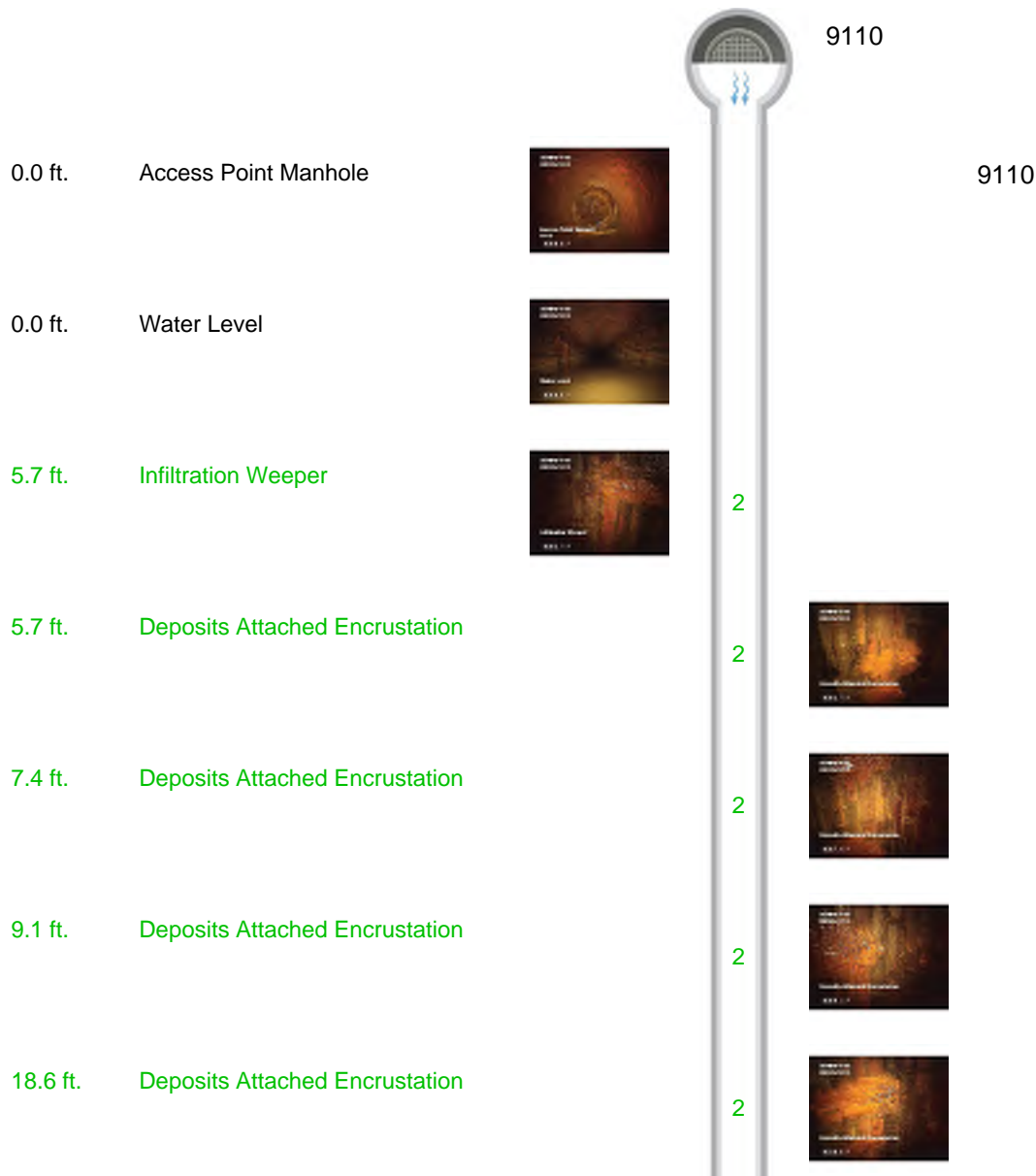
177.9 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
178.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
190.5 ft.	Infiltration Stain				0	<input type="checkbox"/>	9		
191.9 ft.	Surface Roughness Increased Unknown				0	<input type="checkbox"/>	3		1
194.3 ft.	Infiltration Weeper				0	<input type="checkbox"/>	3		2
202.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
209.4 ft.	Tap Break-In Intruding		6	2	0	<input type="checkbox"/>	4		2
212.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			

**Remarks:** 9112



## Defect Listing Plot with Images

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>6</b>	MPR <b>38</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>1.5</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>3113</b>	QMR <b>2B00</b>			Media label	
OPR <b>44</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160624</b>		
OPRI <b>1.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>08:34</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>09:05</b>	Additional Info	





## Defect Listing Plot with Images

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>6</b>	MPR <b>38</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>1.5</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>3113</b>	QMR <b>2B00</b>			Media label	
OPR <b>44</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160624</b>		
OPRI <b>1.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>08:34</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>09:05</b>	Additional Info	

26.9 ft. Infiltration Weeper

2



31.7 ft. Tap Factory Made Active

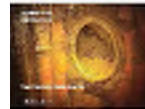


31.7 ft. Deposits Attached Encrustation



2

31.8 ft. Tap Factory Made Active



36.5 ft. Infiltration Weeper

2



76.1 ft. Infiltration Weeper



2

76.2 ft. Infiltration Weeper

2



78.2 ft. Tap Factory Made Active





## Defect Listing Plot with Images

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>6</b>	MPR <b>38</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>1.5</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>3113</b>	QMR <b>2B00</b>			Media label	
OPR <b>44</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160624</b>		
OPRI <b>1.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>08:34</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>09:05</b>	Additional Info	

78.3 ft. Tap Factory Made Active



80.8 ft. Infiltration Stain



80.8 ft. Deposits Attached Encrustation

2



93.8 ft. Infiltration Weeper

2



97.6 ft. Surface Roughness Increased Chemical

1



97.6 ft. Surface Roughness Increased Chemical

1



113.2 ft. Infiltration Stain



129.5 ft. Tap Factory Made Active





## Defect Listing Plot with Images

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>6</b>	MPR <b>38</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>1.5</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>3113</b>	QMR <b>2B00</b>			Media label	
OPR <b>44</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160624</b>		
OPRI <b>1.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>08:34</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>09:05</b>	Additional Info	

129.5 ft. Tap Factory Made Active



132.4 ft. Obstacle Intruding Thru Wall

2



137.6 ft. Mortar Missing Medium

3



137.6 ft. Infiltration Stain



137.6 ft. Infiltration Weeper

2



142.7 ft. Deposits Attached Encrustation

2



148.7 ft. Tap Factory Made Active



152.1 ft. Obstacle Intruding Thru Wall

2





## Defect Listing Plot with Images

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>6</b>	MPR <b>38</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>1.5</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>3113</b>	QMR <b>2B00</b>			Media label	
OPR <b>44</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160624</b>		
OPRI <b>1.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>08:34</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>09:05</b>	Additional Info	

157.4 ft. Obstacle Intruding Thru Wall

2



177.9 ft. Tap Factory Made Active



178.2 ft. Tap Factory Made Active



190.5 ft. Infiltration Stain



191.9 ft. Surface Roughness Increased Unknown



1

194.3 ft. Infiltration Weeper



2

202.2 ft. Tap Factory Made Active



209.4 ft. Tap Break-In Intruding



2





## Defect Listing Plot with Images

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>6</b>	MPR <b>38</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>1.5</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>3113</b>	QMR <b>2B00</b>				
OPR <b>44</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160624</b>	Media label	
OPRI <b>1.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>08:34</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>09:05</b>	Additional Info	

212.0 ft. Access Point Manhole



9112

9112



## Image Report 4/Page

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 9110



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 5.7 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



Distance: 5.7 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A

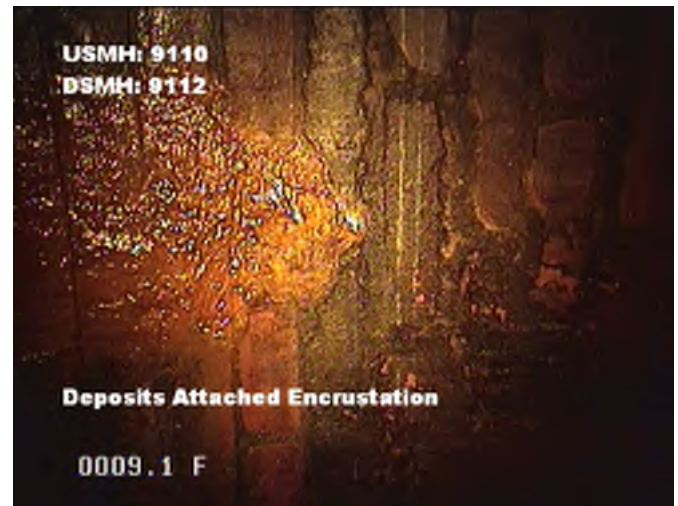


## Image Report 4/Page

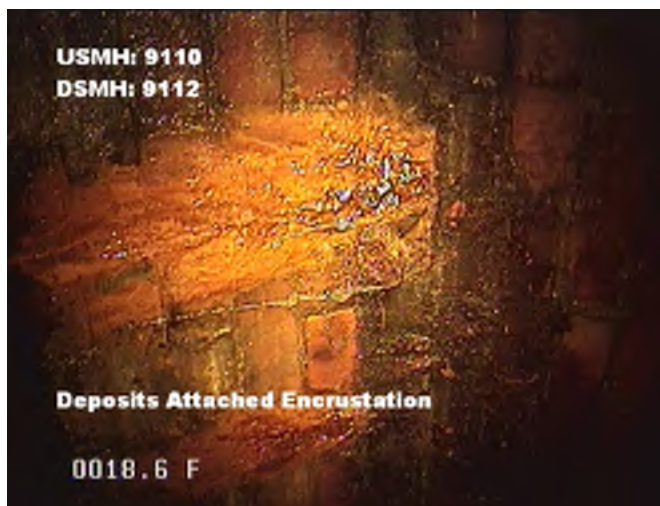
Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 7.4 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 9.1 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 18.6 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 26.9 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 31.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 31.7 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 31.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 36.5 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 76.1 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



Distance: 76.2 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



Distance: 78.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 78.3 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



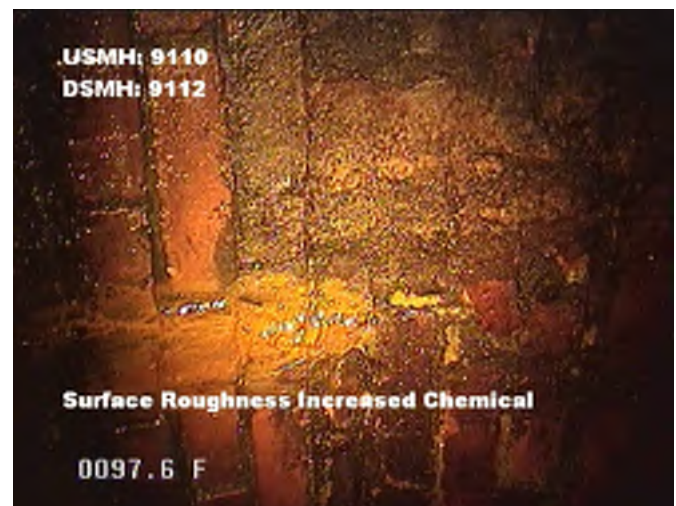
Distance: 80.8 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 80.8 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 93.8 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A

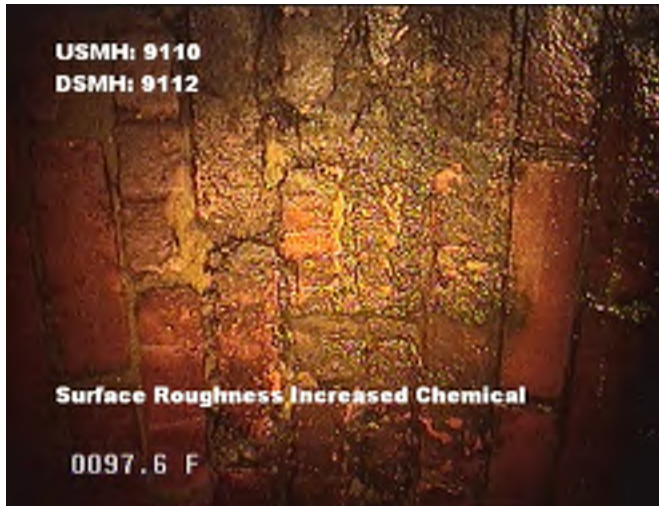


Distance: 97.6 ft. Grade: 1  
Condition: Surface Roughness Increased Chemical  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 97.6 ft. Grade: 1  
Condition: Surface Roughness Increased Chemical  
Remarks: N/A



Distance: 113.2 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 129.5 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 129.5 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 132.4 ft. Grade: 2  
Condition: Obstacle Intruding Thru Wall  
Remarks: N/A



Distance: 137.6 ft. Grade: 3  
Condition: Mortar Missing Medium  
Remarks: N/A



Distance: 137.6 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A

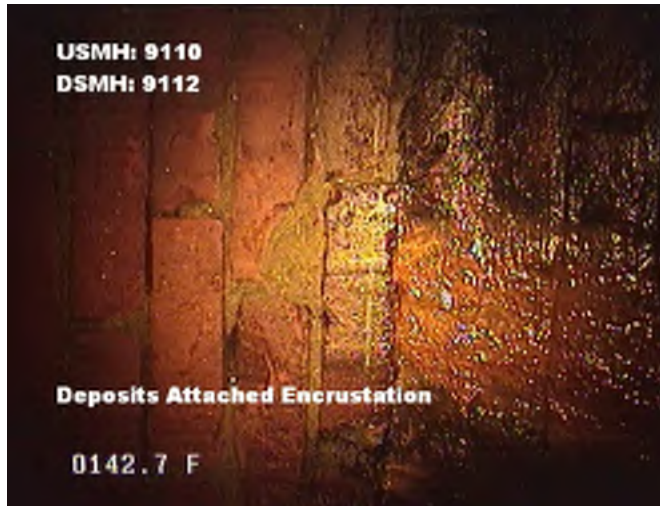


Distance: 137.6 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



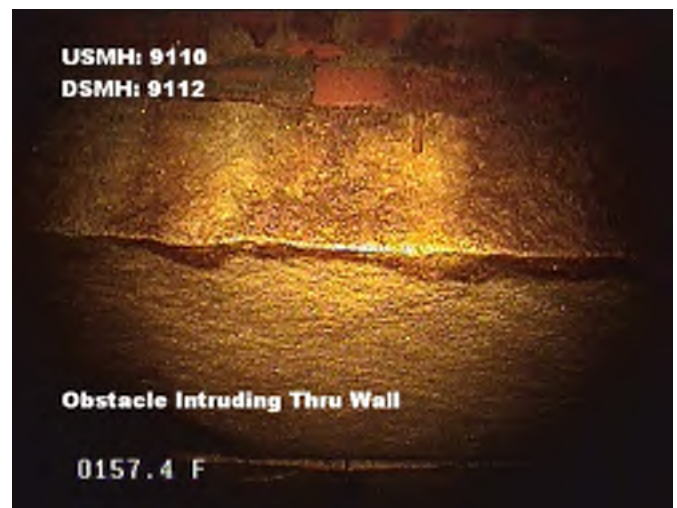
Distance: 142.7 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 148.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 152.1 ft. Grade: 2  
Condition: Obstacle Intruding Thru Wall  
Remarks: N/A



Distance: 157.4 ft. Grade: 2  
Condition: Obstacle Intruding Thru Wall  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28869</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9110</b>	Total Length <b>212</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>9112</b>	Length surveyed <b>212</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 177.9 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 178.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 190.5 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 191.9 ft. Grade: 1  
Condition: Surface Roughness Increased Unknown  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
28869	Worcester MA	Quinsigamond Ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
9110	212		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
9112	212		48	48	



Distance: 194.3 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



Distance: 202.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 209.4 ft. Grade: 2  
Condition: Tap Break-In Intruding  
Remarks: N/A



Distance: 212.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 9112



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
E-Mail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>38711</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond Ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>9112</b>	Total Length <b>216</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

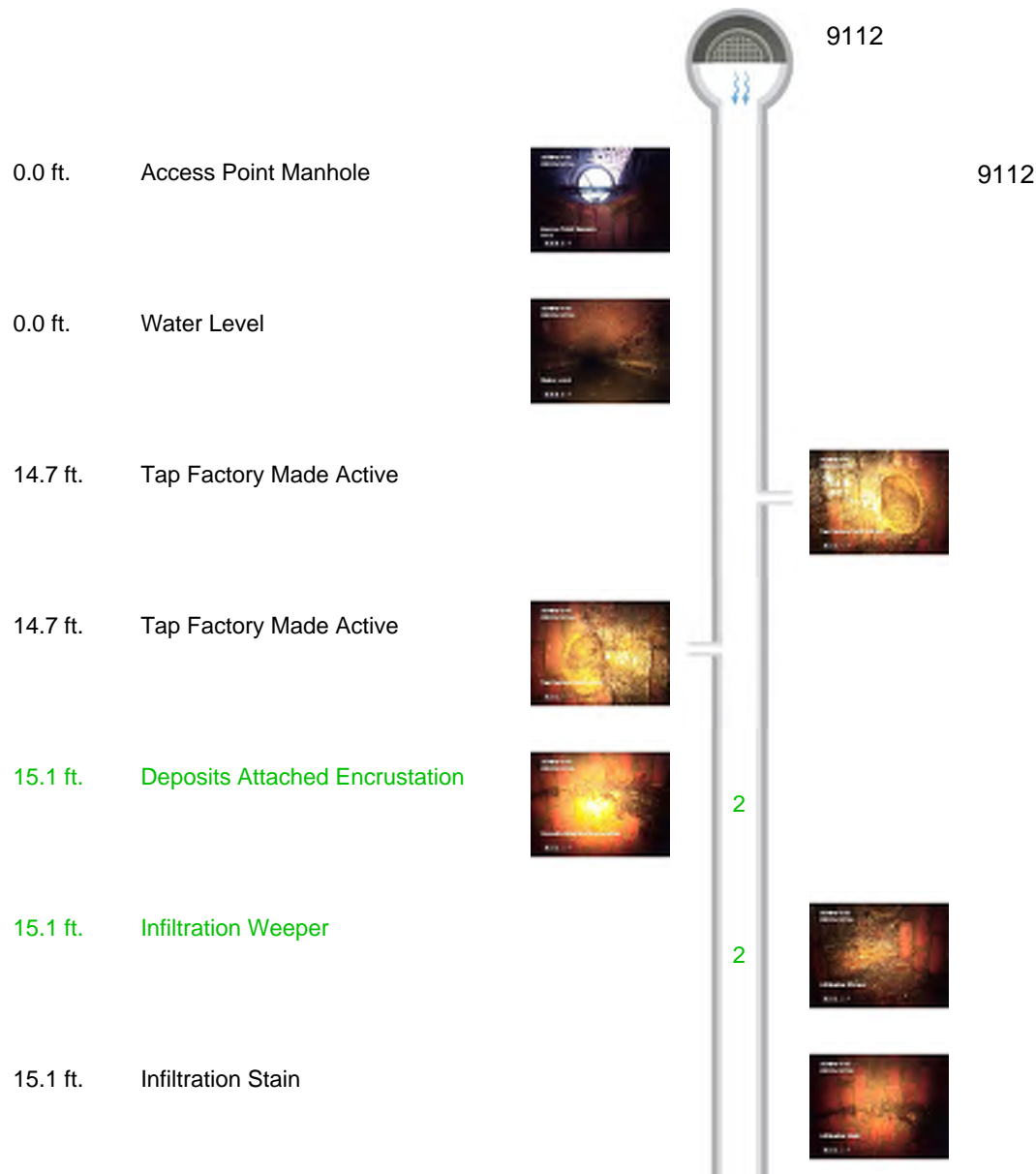
SPR <b>N/A</b>	MPR <b>65</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>0.9</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312E</b>				
OPR <b>65</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160701</b>	Media label	
OPRI <b>0.9</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>10:59</b>	<b>Weather</b> <b>Dry</b>	
Date Cleaned <b>20160701</b>			<b>End Time</b> <b>11:22</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 9112									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
14.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
14.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
15.1 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	3		2
15.1 ft.	Infiltration Weeper				0	<input type="checkbox"/>	9		2
15.1 ft.	Infiltration Stain				0	<input type="checkbox"/>	7	5	
24.8 ft.	Infiltration Stain	S01			0	<input type="checkbox"/>	9		
32.5 ft.	Infiltration Weeper				0	<input type="checkbox"/>	9		2
40.5 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
47.3 ft.	Deposits Attached Encrustation	S02			5	<input type="checkbox"/>	10		2
61.9 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
61.9 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
69.1 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	3		2
76.7 ft.	Infiltration Dripper				0	<input type="checkbox"/>	9		3
88.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
113.1 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
113.1 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
117.4 ft.	Infiltration Stain				0	<input type="checkbox"/>	11		
137.1 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
138.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
164.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
164.8 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	9		2
175.0 ft.	Deposits Attached Encrustation	F02			5	<input type="checkbox"/>	10		2
204.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
216.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 22287									
216.0 ft.	Infiltration Stain	F01			0	<input type="checkbox"/>	9		



## Defect Listing Plot with Images

Pipe Segment Refere... <b>38711</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9112</b>	Total Length <b>216</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>65</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>0.9</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312E</b>	Direction <b>Downstream</b>		Media label	
OPR <b>65</b>	Surveyed By <b>D. Messier</b>	Date <b>20160701</b>		Weather <b>Dry</b>	
OPRI <b>0.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>		Time <b>10:59</b>	
Date Cleaned <b>20160701</b>			End Time <b>11:22</b>		Additional Info





## Defect Listing Plot with Images

Pipe Segment Refere... <b>38711</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9112</b>	Total Length <b>216</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>65</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>0.9</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312E</b>				
OPR <b>65</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160701</b>	Media label	
OPRI <b>0.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>10:59</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160701</b>			End Time <b>11:22</b>	Additional Info	

24.8 ft. Infiltration Stain - S01



32.5 ft. Infiltration Weeper

2



40.5 ft. Tap Factory Made Active



47.3 ft. Deposits Attached Encrustation - S02

2



61.9 ft. Tap Factory Made Active



61.9 ft. Tap Factory Made Active



69.1 ft. Deposits Attached Encrustation

2



76.7 ft. Infiltration Dripper

3





## Defect Listing Plot with Images

Pipe Segment Refere... <b>38711</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9112</b>	Total Length <b>216</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>65</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>0.9</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312E</b>				
OPR <b>65</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160701</b>	Media label	
OPRI <b>0.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>10:59</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160701</b>			End Time <b>11:22</b>	Additional Info	

88.7 ft. Tap Factory Made Active



113.1 ft. Tap Factory Made Active



113.1 ft. Tap Factory Made Active



117.4 ft. Infiltration Stain



137.1 ft. Tap Factory Made Active



138.4 ft. Tap Factory Made Active



164.8 ft. Tap Factory Made Active



164.8 ft. Deposits Attached Encrustation



2



## Defect Listing Plot with Images

Pipe Segment Refere... <b>38711</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9112</b>	Total Length <b>216</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>65</b>	PO Number		Customer <b>N/A</b>	
SPRI <b>N/A</b>	MPRI <b>0.9</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312E</b>				
OPR <b>65</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160701</b>	Media label	
OPRI <b>0.9</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>10:59</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160701</b>			End Time <b>11:22</b>	Additional Info	

175.0 ft. Deposits Attached Encrustation - F02

2



204.4 ft. Tap Factory Made Active



216.0 ft. Access Point Manhole

22287



216.0 ft. Infiltration Stain - F01



25714



## Image Report 4/Page

Pipe Segment Refere... <b>38711</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9112</b>	Total Length <b>216</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 9112



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 14.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A

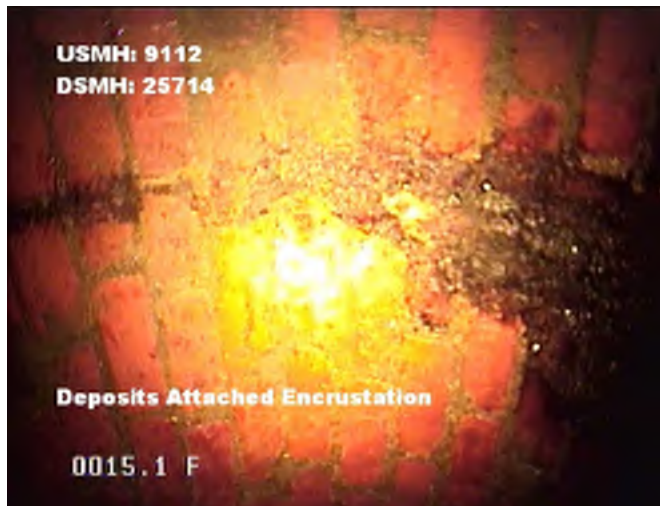


Distance: 14.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>38711</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9112</b>	Total Length <b>216</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 15.1 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 15.1 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



Distance: 15.1 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 24.8 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
38711	Worcester MA	Quinsigamond Ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
9112	216		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
25714	216		48	48	



Distance: 32.5 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



Distance: 40.5 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 47.3 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 61.9 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>38711</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9112</b>	Total Length <b>216</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 61.9 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 69.1 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 76.7 ft. Grade: 3  
Condition: Infiltration Dripper  
Remarks: N/A



Distance: 88.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

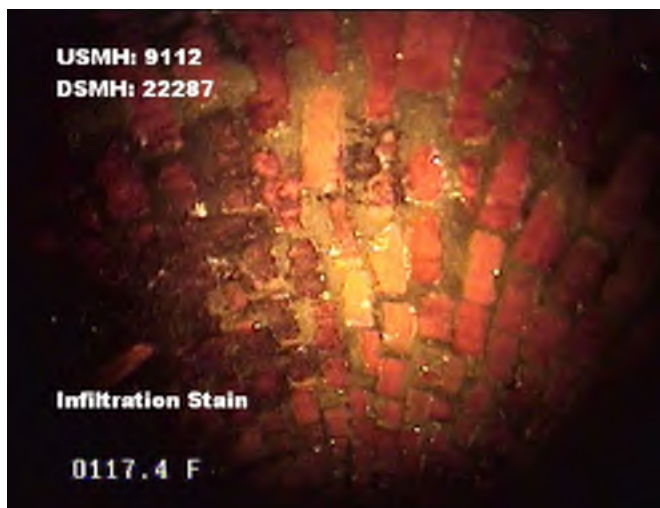
Pipe Segment Refere... <b>38711</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9112</b>	Total Length <b>216</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 113.1 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 113.1 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 117.4 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 137.1 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
38711	Worcester MA	Quinsigamond Ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
9112	216		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
25714	216		48	48	



Distance: 138.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 164.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 164.8 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 175.0 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A

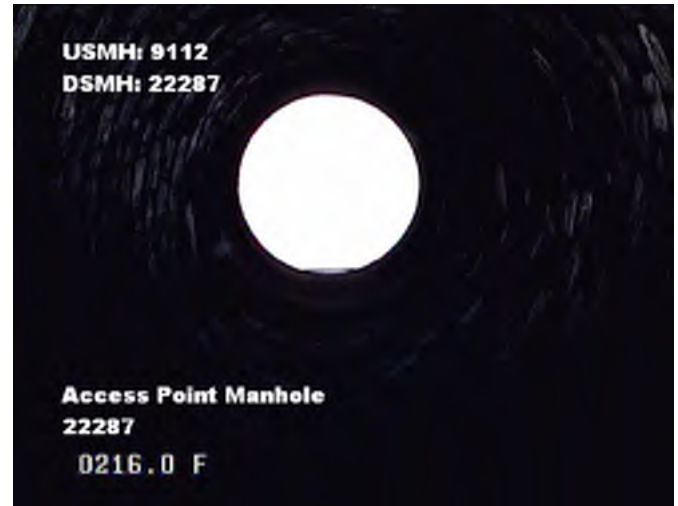


## Image Report 4/Page

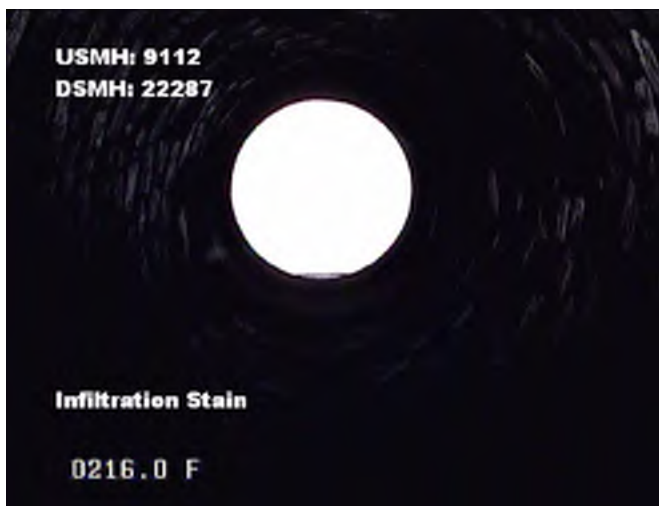
Pipe Segment Refere... <b>38711</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>9112</b>	Total Length <b>216</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>25714</b>	Length surveyed <b>216</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 204.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 216.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 22287



Distance: 216.0 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
E-Mail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

Pipe Segment Refere... <b>42858</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>22287</b>	Total Length <b>211</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23118</b>	Length surveyed <b>211</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...

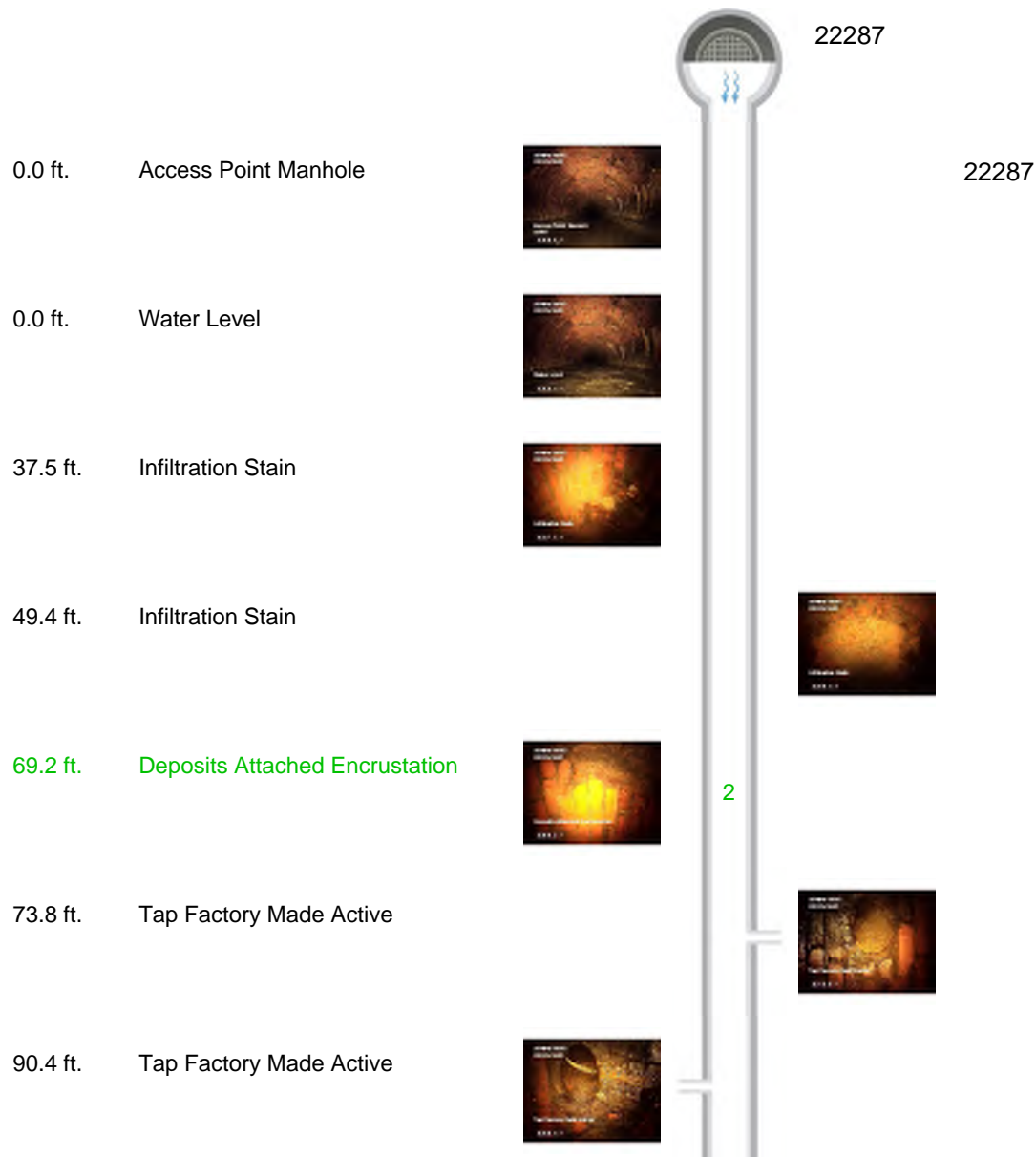
SPR <b>N/A</b>	MPR <b>47</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312C</b>				
OPR <b>47</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160627</b>	Media label	
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:34</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160627</b>			End Time <b>08:22</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: 22287									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
37.5 ft.	Infiltration Stain				0	<input type="checkbox"/>	3		
49.4 ft.	Infiltration Stain				0	<input type="checkbox"/>	7	5	
69.2 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	3		2
73.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
90.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
115.9 ft.	Deposits Attached Encrustation	S01			5	<input type="checkbox"/>	9		2
121.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
130.0 ft.	Deposits Attached Encrustation	S02			5	<input type="checkbox"/>	3		2
138.6 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
143.1 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
161.2 ft.	Infiltration Stain				0	<input type="checkbox"/>	7	5	
170.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
170.4 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	9		2
170.4 ft.	Deposits Attached Encrustation	F01			5	<input type="checkbox"/>	9		2
170.4 ft.	Deposits Attached Encrustation	F02			5	<input type="checkbox"/>	3		2
188.1 ft.	Deposits Attached Encrustation				15	<input type="checkbox"/>	9		3
189.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
198.9 ft.	Infiltration Weeper				0	<input type="checkbox"/>	10		2
203.1 ft.	Tap Break-In Active		8		0	<input type="checkbox"/>	4		
211.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: 9449									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>42858</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>22287</b>	Total Length <b>211</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23118</b>	Length surveyed <b>211</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>47</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312C</b>			Media label	
OPR <b>47</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160627</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:34</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160627</b>			End Time <b>08:22</b>	Additional Info	





## Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
<b>42858</b>	<b>Worcester MA</b>	<b>Quinsigamond Ave</b>	<b>Brick</b>	<b>Light High...</b>	<b>Combined</b>
Upstream MH	Total Length	Year Laid	Shape	Location Details	
<b>22287</b>	<b>211</b>		<b>Circular</b>		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
<b>23118</b>	<b>211</b>		<b>48</b>	<b>48</b>	
SPR	N/A	MPR	47	PO Number	
SPRI	N/A	MPRI	2	Customer	
QSR	N/A	QMR	312C	Work Order	
OPR	47	Surveyed By	D. Messier	Purpose	
OPRI	2	Certificate Number	U-214-06019237	Capital Improvement Program As...	
		Direction	Downstream	Date	Media label
		Pre-Cleaning	Heavy Cleaning	Time	Weather
		Date Cleaned	20160627	End Time	Dry
					Additional Info

115.9 ft. Deposits Attached Encrustation - S01

2



121.7 ft. Tap Factory Made Active



130.0 ft. Deposits Attached Encrustation - S02

2



138.6 ft. Tap Factory Made Active



143.1 ft. Tap Factory Made Active



161.2 ft. Infiltration Stain



170.4 ft. Tap Factory Made Active



170.4 ft. Deposits Attached Encrustation

2





## Defect Listing Plot with Images

Pipe Segment Refere... <b>42858</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>22287</b>	Total Length <b>211</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23118</b>	Length surveyed <b>211</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>47</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312C</b>	Direction <b>Downstream</b>		Media label	
OPR <b>47</b>	Surveyed By <b>D. Messier</b>	Date <b>20160627</b>		Weather <b>Dry</b>	
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>		Time <b>07:34</b>	
Date Cleaned <b>20160627</b>			End Time <b>08:22</b>		Additional Info

170.4 ft. Deposits Attached Encrustation - F01

2



170.4 ft. Deposits Attached Encrustation - F02

2



188.1 ft. Deposits Attached Encrustation

3



189.2 ft. Tap Factory Made Active



198.9 ft. Infiltration Weeper

2



203.1 ft. Tap Break-In Active



211.0 ft. Access Point Manhole



9449



23118



## Image Report 4/Page

Pipe Segment Refere... <b>42858</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>22287</b>	Total Length <b>211</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23118</b>	Length surveyed <b>211</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 22287



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 37.5 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 49.4 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A

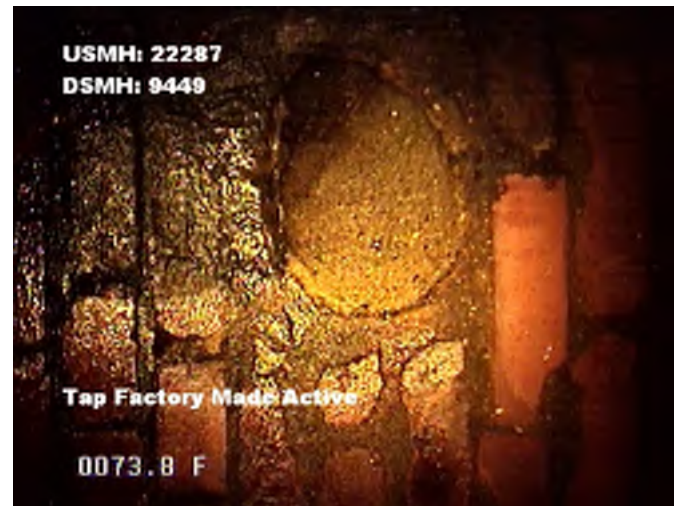


## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
42858	Worcester MA	Quinsigamond Ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
22287	211		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
23118	211		48	48	



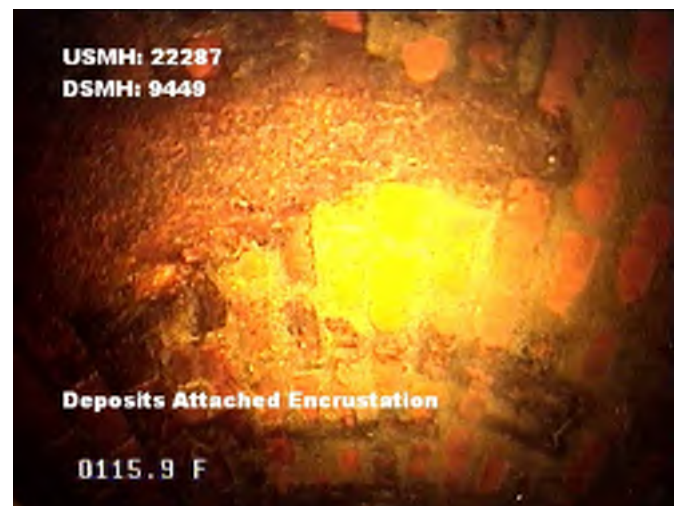
Distance: 69.2 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 73.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 90.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 115.9 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>42858</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>22287</b>	Total Length <b>211</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23118</b>	Length surveyed <b>211</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 121.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 130.0 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 138.6 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A

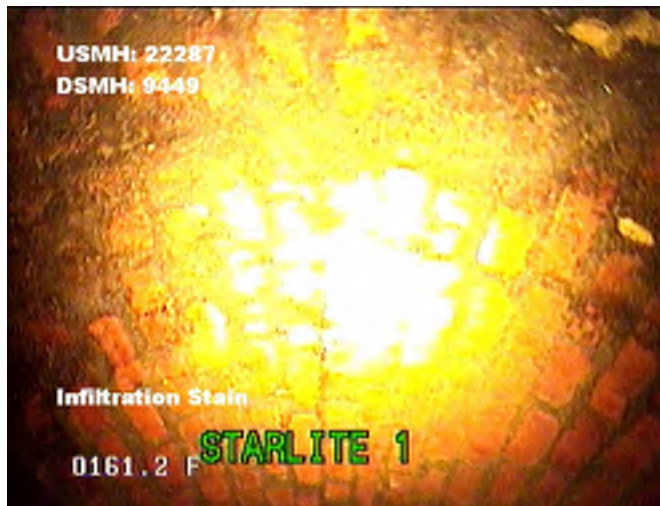


Distance: 143.1 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>42858</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>22287</b>	Total Length <b>211</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23118</b>	Length surveyed <b>211</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 161.2 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 170.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 170.4 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 170.4 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
42858	Worcester MA	Quinsigamond Ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
22287	211		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
23118	211		48	48	



Distance: 170.4 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 188.1 ft. Grade: 3  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 189.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 198.9 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
42858	Worcester MA	Quinsigamond Ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
22287	211		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
23118	211		48	48	



Distance: 203.1 ft. Grade: 0  
Condition: Tap Break-In Active  
Remarks: N/A



Distance: 211.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 9449



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
EMail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>10090</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>23118</b>	Total Length <b>218</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>23127</b>	Length surveyed <b>218</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

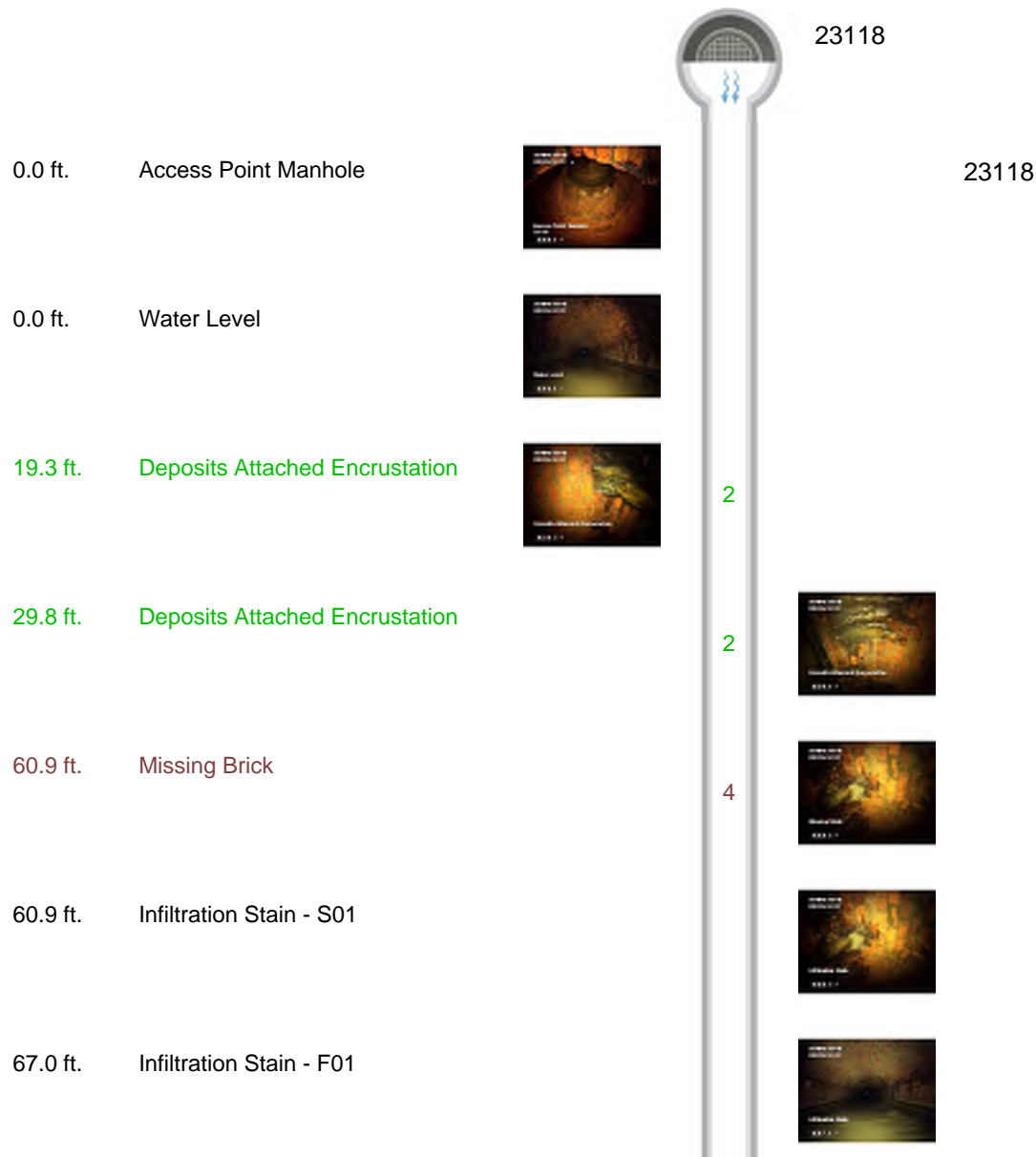
SPR <b>4</b>	MPR <b>18</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>4</b>	MPRI <b>1</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>4100</b>	QMR <b>2900</b>			Media label	
OPR <b>22</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160627</b>		
OPRI <b>1.2</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>10:46</b>	<b>Weather</b> <b>Dry</b>	
Date Cleaned <b>20160627</b>			<b>End Time</b> <b>14:30</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 23118									
0.0 ft.	Water Level				20	<input type="checkbox"/>			
19.3 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	3		2
29.8 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	9		2
60.9 ft.	Missing Brick				0	<input type="checkbox"/>	10		4
60.9 ft.	Infiltration Stain	S01			0	<input type="checkbox"/>	9		
67.0 ft.	Infiltration Stain	F01			0	<input type="checkbox"/>	9		
76.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
89.9 ft.	Infiltration Stain	S02			0	<input type="checkbox"/>	3		
100.7 ft.	Deposits Attached Encrustation	S03			5	<input type="checkbox"/>	9		2
104.1 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	3		2
127.6 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
127.6 ft.	Infiltration Stain	F02			0	<input type="checkbox"/>	3		
127.6 ft.	Deposits Attached Encrustation	F03			5	<input type="checkbox"/>	9		2
128.4 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	3		2
160.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
182.0 ft.	Tap Factory Made Active		8		0	<input type="checkbox"/>	3		
198.9 ft.	Infiltration Stain				0	<input type="checkbox"/>	3		
218.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 23127									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>10090</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23118</b>	Total Length <b>218</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23127</b>	Length surveyed <b>218</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>4</b>	MPR <b>18</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>4</b>	MPRI <b>1</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>4100</b>	QMR <b>2900</b>			Media label	
OPR <b>22</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160627</b>		
OPRI <b>1.2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>10:46</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160627</b>			End Time <b>14:30</b>	Additional Info	





## Defect Listing Plot with Images

Pipe Segment Refere... <b>10090</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23118</b>	Total Length <b>218</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23127</b>	Length surveyed <b>218</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>4</b>	MPR <b>18</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>4</b>	MPRI <b>1</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>4100</b>	QMR <b>2900</b>			Media label	
OPR <b>22</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160627</b>		
OPRI <b>1.2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>10:46</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160627</b>			End Time <b>14:30</b>	Additional Info	

76.8 ft. Tap Factory Made Active



89.9 ft. Infiltration Stain - S02



100.7 ft. Deposits Attached Encrustation - S03

2



104.1 ft. Deposits Attached Encrustation

2



127.6 ft. Tap Factory Made Active



127.6 ft. Infiltration Stain - F02



127.6 ft. Deposits Attached Encrustation - F03

2



128.4 ft. Deposits Attached Encrustation

2





## Defect Listing Plot with Images

Pipe Segment Refere... <b>10090</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23118</b>	Total Length <b>218</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23127</b>	Length surveyed <b>218</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>4</b>	MPR <b>18</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>4</b>	MPRI <b>1</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>4100</b>	QMR <b>2900</b>			Media label	
OPR <b>22</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160627</b>		
OPRI <b>1.2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>10:46</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160627</b>			End Time <b>14:30</b>	Additional Info	

160.4 ft. Tap Factory Made Active



182.0 ft. Tap Factory Made Active



198.9 ft. Infiltration Stain



218.0 ft. Access Point Manhole



23127



23127



## Image Report 4/Page

Pipe Segment Refere... <b>10090</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23118</b>	Total Length <b>218</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23127</b>	Length surveyed <b>218</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 23118



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 19.3 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 29.8 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>10090</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23118</b>	Total Length <b>218</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23127</b>	Length surveyed <b>218</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 60.9 ft. Grade: 4  
Condition: Missing Brick  
Remarks: N/A



Distance: 60.9 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 67.0 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 76.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>10090</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23118</b>	Total Length <b>218</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23127</b>	Length surveyed <b>218</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 89.9 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 100.7 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 104.1 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 127.6 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

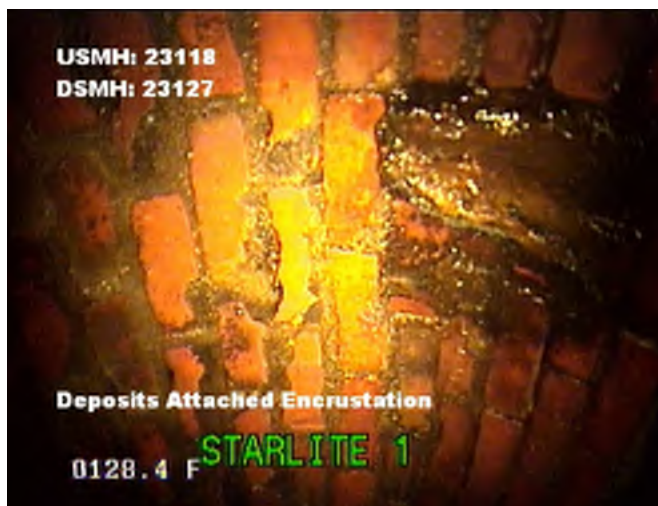
Pipe Segment Refere... <b>10090</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23118</b>	Total Length <b>218</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23127</b>	Length surveyed <b>218</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 127.6 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 127.6 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 128.4 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 160.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
10090	Worcester MA	Quinsigamond ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
23118	218		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
23127	218		48	48	



Distance: 182.0 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 198.9 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 218.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 23127



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
EMail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>7087</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond Ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>23127</b>	Total Length <b>210</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>23120</b>	Length surveyed <b>210</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

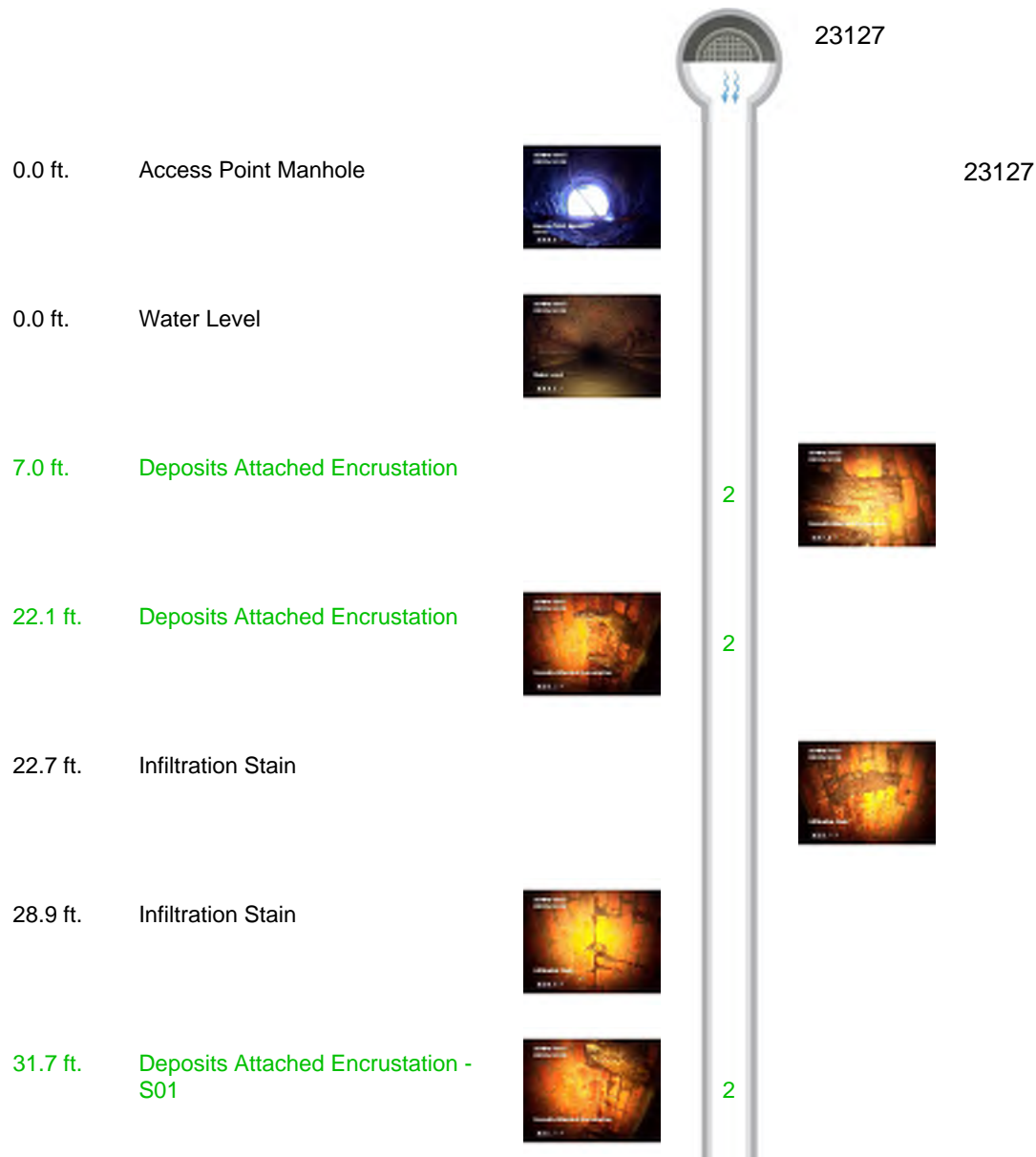
SPR <b>N/A</b>	MPR <b>128</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2K00</b>				
OPR <b>128</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160628</b>	Media label	
OPRI <b>2</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>07:57</b>	<b>Weather</b> <b>Dry</b>	
Date Cleaned <b>20160628</b>			<b>End Time</b> <b>11:54</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 23127									
0.0 ft.	Water Level				5	<input type="checkbox"/>			
7.0 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	10		2
22.1 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	3		2
22.7 ft.	Infiltration Stain				0	<input type="checkbox"/>	9		
28.9 ft.	Infiltration Stain				0	<input type="checkbox"/>	12		
31.7 ft.	Deposits Attached Encrustation	S01			10	<input type="checkbox"/>	3		2
46.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	10		
49.5 ft.	Infiltration Stain				0	<input checked="" type="checkbox"/>	4		
56.5 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
81.9 ft.	Deposits Attached Encrustation	S02			10	<input type="checkbox"/>	9		2
107.9 ft.	Tap Factory Made Active		8		0	<input type="checkbox"/>	2		
168.1 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
210.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 23120									
210.0 ft.	Deposits Attached Encrustation	F01			10	<input type="checkbox"/>	3		2
210.0 ft.	Deposits Attached Encrustation	F02			10	<input type="checkbox"/>	9		2



## Defect Listing Plot with Images

Pipe Segment Refere... <b>7087</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23127</b>	Total Length <b>210</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23120</b>	Length surveyed <b>210</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>128</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2K00</b>	Direction <b>Downstream</b>		Media label	
OPR <b>128</b>	Surveyed By <b>D_Messier</b>	Date <b>20160628</b>		Weather <b>Dry</b>	
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>		Time <b>07:57</b>	
Date Cleaned <b>20160628</b>			End Time <b>11:54</b>		Additional Info





## Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
<b>7087</b>	<b>Worcester MA</b>	<b>Quinsigamond Ave</b>	<b>Brick</b>	<b>Light High...</b>	<b>Combined</b>
Upstream MH	Total Length	Year Laid	Shape	Location Details	
<b>23127</b>	<b>210</b>		<b>Circular</b>		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
<b>23120</b>	<b>210</b>		<b>48</b>	<b>48</b>	
SPR	N/A	MPR	128	PO Number	
SPRI	N/A	MPRI	2	Customer	
QSR	N/A	QMR	2K00	Work Order	
OPR	128	Surveyed By	D. Messier	Date	
OPRI	2	Certificate Number	U-214-06019237	20160628	
		Direction	Downstream	Media label	
		Pre-Cleaning	Heavy Cleaning	Time	
		Date Cleaned	20160628	Weather	
				Dry	
				End Time	
				11:54	
				Additional Info	

46.4 ft. Tap Factory Made Active



49.5 ft. Infiltration Stain



56.5 ft. Tap Factory Made Active



81.9 ft. Deposits Attached Encrustation - S02

2



107.9 ft. Tap Factory Made Active



168.1 ft. Tap Factory Made Active



210.0 ft. Access Point Manhole

23120



210.0 ft. Deposits Attached Encrustation - F01

2







## Defect Listing Plot with Images

Pipe Segment Refere... <b>7087</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23127</b>	Total Length <b>210</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23120</b>	Length surveyed <b>210</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>128</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2K00</b>			Media label	
OPR <b>128</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160628</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:57</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160628</b>			End Time <b>11:54</b>	Additional Info	

210.0 ft. Deposits Attached Encrustation - F02





## Image Report 4/Page

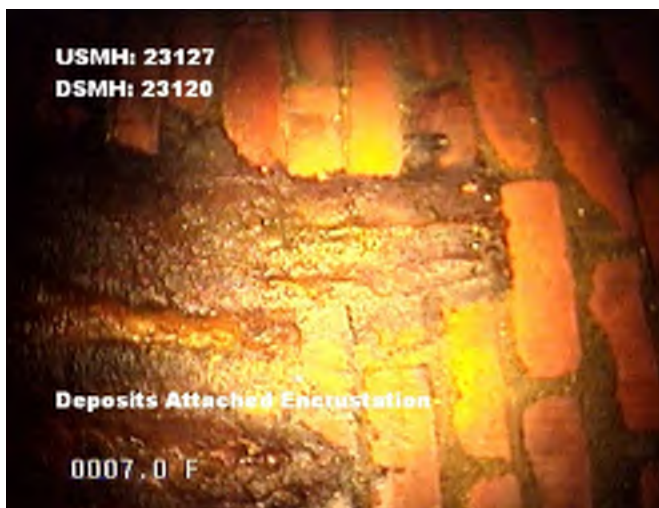
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7087	Worcester MA	Quinsigamond Ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
23127	210		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
23120	210		48	48	



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 23127



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 7.0 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 22.1 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



## Image Report 4/Page

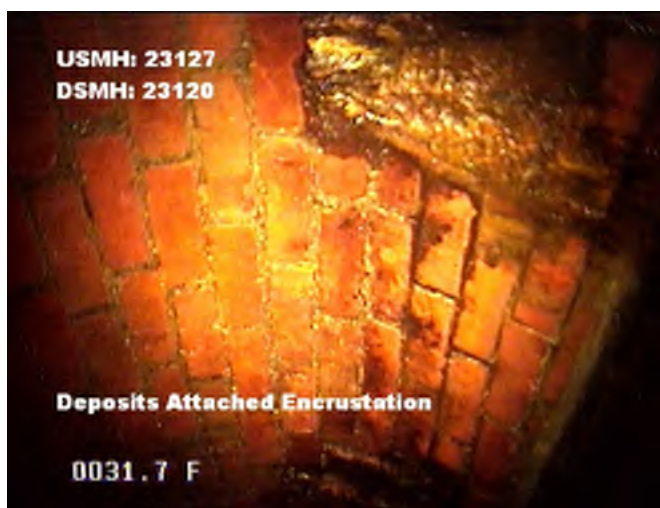
Pipe Segment Refere... <b>7087</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23127</b>	Total Length <b>210</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23120</b>	Length surveyed <b>210</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 22.7 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 28.9 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 31.7 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 46.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>7087</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23127</b>	Total Length <b>210</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>23120</b>	Length surveyed <b>210</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 49.5 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 56.5 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 81.9 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 107.9 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7087	Worcester MA	Quinsigamond Ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
23127	210		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
23120	210		48	48	



Distance: 168.1 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 210.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 23120



Distance: 210.0 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 210.0 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
E-Mail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>29868</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond Ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>23120</b>	Total Length <b>43</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>10034</b>	Length surveyed <b>43</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

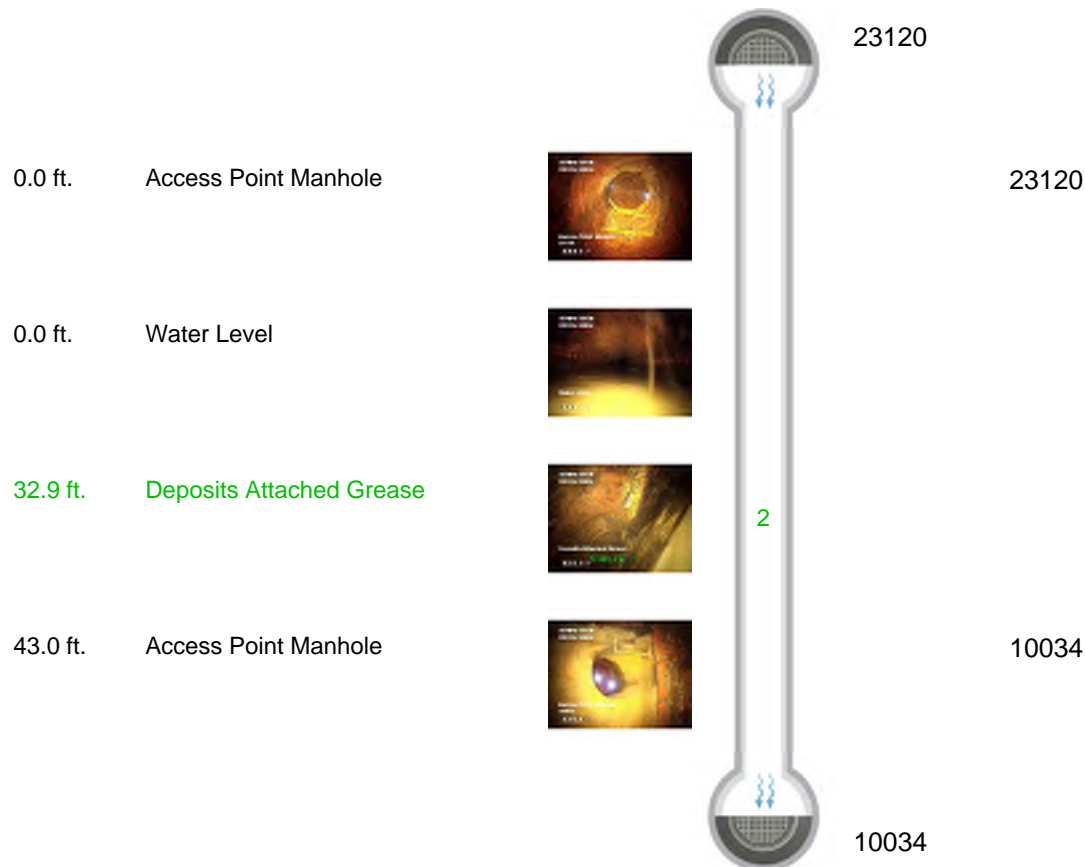
SPR <b>N/A</b>	MPR <b>2</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2100</b>				
OPR <b>2</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160628</b>	Media label	
OPRI <b>2</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>11:56</b>	<b>Weather</b> <b>Dry</b>	
Date Cleaned <b>20160628</b>			<b>End Time</b> <b>12:43</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 23120									
0.0 ft.	Water Level				20	<input type="checkbox"/>			
32.9 ft.	Deposits Attached Grease				5	<input type="checkbox"/>	3		2
43.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 10034									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>29868</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23120</b>	Total Length <b>43</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>10034</b>	Length surveyed <b>43</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>2</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2100</b>	Direction <b>Downstream</b>		Media label	
OPR <b>2</b>	Surveyed By <b>D. Messier</b>	Date <b>20160628</b>		Weather <b>Dry</b>	
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>		Time <b>11:56</b>	
Date Cleaned <b>20160628</b>			End Time <b>12:43</b>		Additional Info



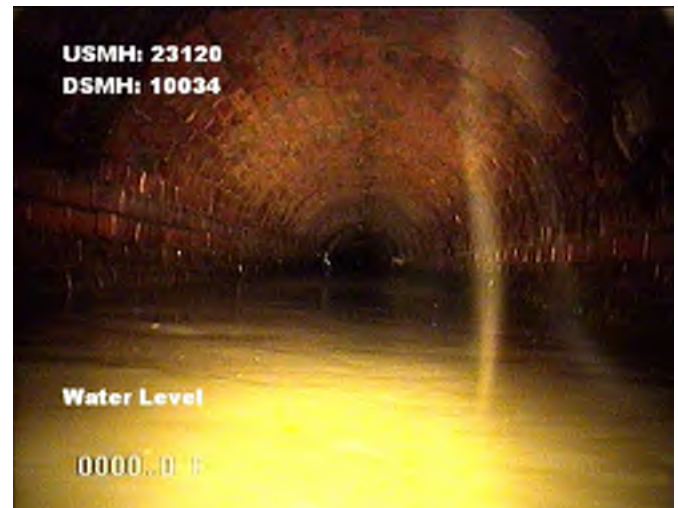


## Image Report 4/Page

Pipe Segment Refere... <b>29868</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23120</b>	Total Length <b>43</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>10034</b>	Length surveyed <b>43</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 23120



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 32.9 ft. Grade: 2  
Condition: Deposits Attached Grease  
Remarks: N/A



Distance: 43.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 10034





## Defect Listing

Pipe Segment Refere... <b>10091</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Reinforced Concrete...</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>10034</b>	Total Length <b>46</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>39001</b>	Length surveyed <b>46</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...

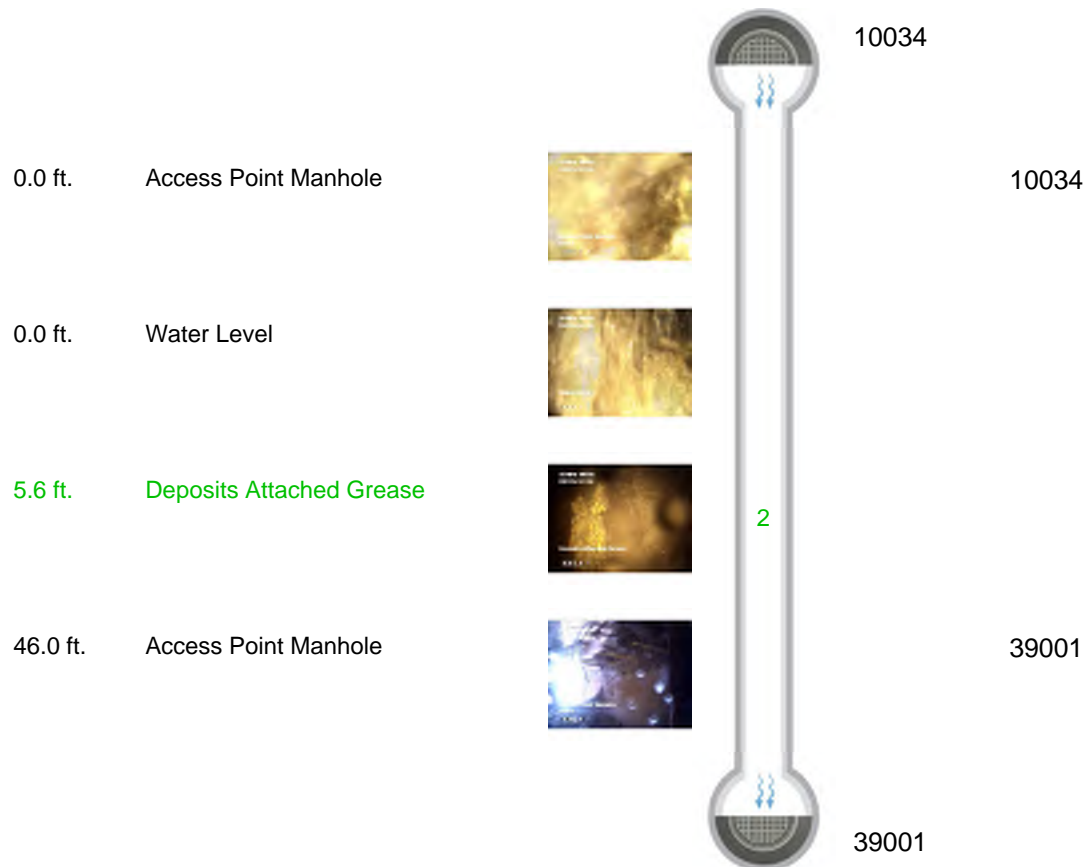
SPR <b>N/A</b>	MPR <b>2</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2100</b>				
OPR <b>2</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160628</b>	Media label	
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>12:47</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160628</b>			End Time <b>13:12</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: 10034									
0.0 ft.	Water Level				25	<input type="checkbox"/>			
5.6 ft.	Deposits Attached Grease				5	<input type="checkbox"/>	3		2
46.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: 39001									



## Defect Listing Plot with Images

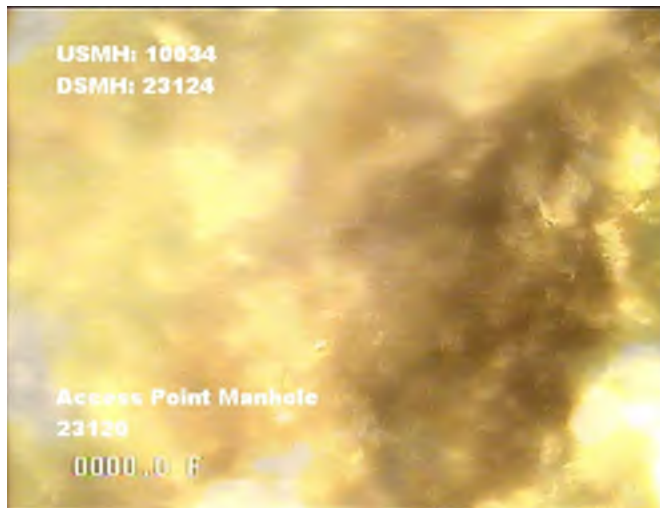
Pipe Segment Refere... <b>10091</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Reinforced Concrete...</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>10034</b>	Total Length <b>46</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>39001</b>	Length surveyed <b>46</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>2</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2100</b>			Media label	
OPR <b>2</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160628</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>12:47</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160628</b>			End Time <b>13:12</b>	Additional Info	





## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
10091	Worcester MA	Quinsigamond ave	Reinforced Concrete...	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
10034	46		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
39001	46		48	48	



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 10034



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 5.6 ft. Grade: 2  
Condition: Deposits Attached Grease  
Remarks: N/A



Distance: 46.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 39001



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
E-Mail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

Pipe Segment Refere... <b>10092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23124</b>	Total Length <b>193</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>17506</b>	Length surveyed <b>193</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...

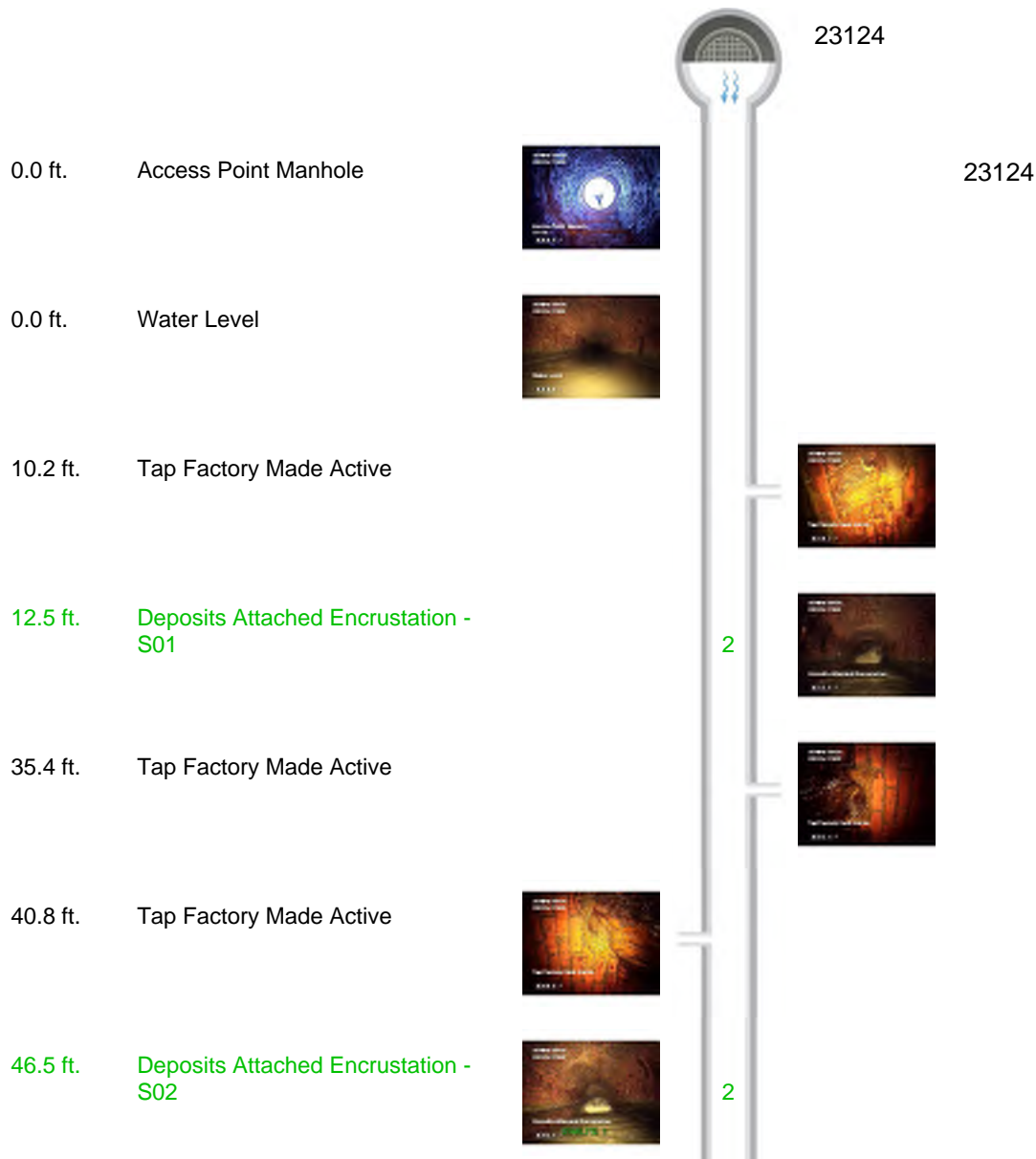
SPR <b>N/A</b>	MPR <b>30</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2B00</b>				
OPR <b>30</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160630</b>	Media label	
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:01</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160630</b>			End Time <b>07:53</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 23124									
0.0 ft.	Water Level				15	<input type="checkbox"/>			
10.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
12.5 ft.	Deposits Attached Encrustation	S01			10	<input type="checkbox"/>	9		2
35.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
40.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
46.5 ft.	Deposits Attached Encrustation	S02			10	<input type="checkbox"/>	3		2
57.5 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
62.3 ft.	Deposits Attached Encrustation	F02			10	<input type="checkbox"/>	3		2
74.6 ft.	Deposits Attached Encrustation	F01			10	<input type="checkbox"/>	9		2
89.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
100.1 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	8		
105.1 ft.	Infiltration Stain				0	<input type="checkbox"/>	9	4	
124.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
141.1 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	3		
149.5 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
182.3 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
193.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 17506									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>10092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23124</b>	Total Length <b>193</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>17506</b>	Length surveyed <b>193</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>30</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2B00</b>	Direction <b>Downstream</b>		Media label	
OPR <b>30</b>	Surveyed By <b>D_Messier</b>	Date <b>20160630</b>		Weather <b>Dry</b>	
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>		Time <b>07:01</b>	
Date Cleaned <b>20160630</b>			End Time <b>07:53</b>		Additional Info





## Defect Listing Plot with Images

Pipe Segment Refere... <b>10092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23124</b>	Total Length <b>193</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>17506</b>	Length surveyed <b>193</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>30</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2B00</b>			Media label	
OPR <b>30</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160630</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:01</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160630</b>			End Time <b>07:53</b>	Additional Info	

57.5 ft. Tap Factory Made Active



62.3 ft. Deposits Attached Encrustation - F02



2

74.6 ft. Deposits Attached Encrustation - F01



2

89.2 ft. Tap Factory Made Active



100.1 ft. Tap Factory Made Capped



105.1 ft. Infiltration Stain



124.7 ft. Tap Factory Made Active



141.1 ft. Tap Factory Made Capped





## Defect Listing Plot with Images

Pipe Segment Refere... <b>10092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23124</b>	Total Length <b>193</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>17506</b>	Length surveyed <b>193</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>30</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2B00</b>			Media label	
OPR <b>30</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160630</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:01</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160630</b>			End Time <b>07:53</b>	Additional Info	

149.5 ft. Tap Factory Made Active



182.3 ft. Tap Factory Made Active



193.0 ft. Access Point Manhole



17506



17506

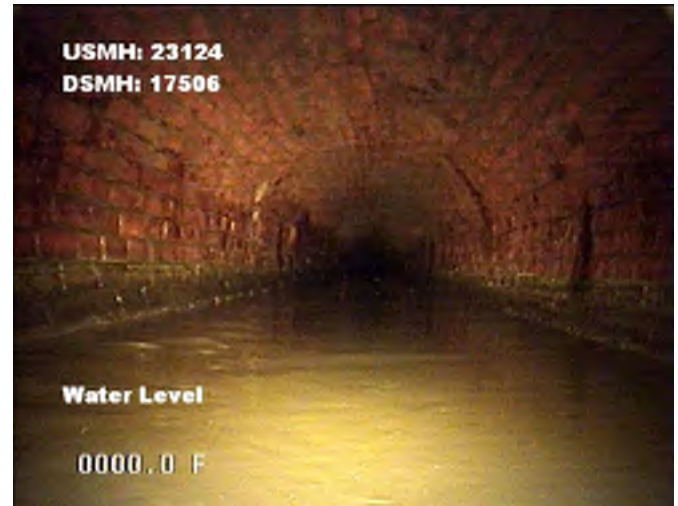


## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
10092	Worcester MA	Quinsigamond ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
23124	193		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
17506	193		48	48	



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 23124



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 10.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 12.5 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>10092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23124</b>	Total Length <b>193</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>17506</b>	Length surveyed <b>193</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 35.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 40.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 46.5 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 57.5 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>10092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23124</b>	Total Length <b>193</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>17506</b>	Length surveyed <b>193</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



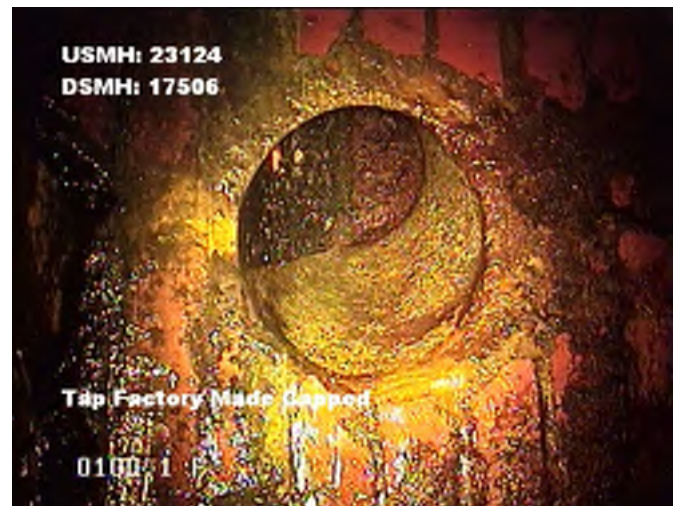
Distance: 62.3 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 74.6 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 89.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 100.1 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
10092	Worcester MA	Quinsigamond ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
23124	193		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
17506	193		48	48	



Distance: 105.1 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 124.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 141.1 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



Distance: 149.5 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>10092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>23124</b>	Total Length <b>193</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>17506</b>	Length surveyed <b>193</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 182.3 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 193.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 17506



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
EMail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>7092</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>17506</b>	Total Length <b>199</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>8971</b>	Length surveyed <b>199</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

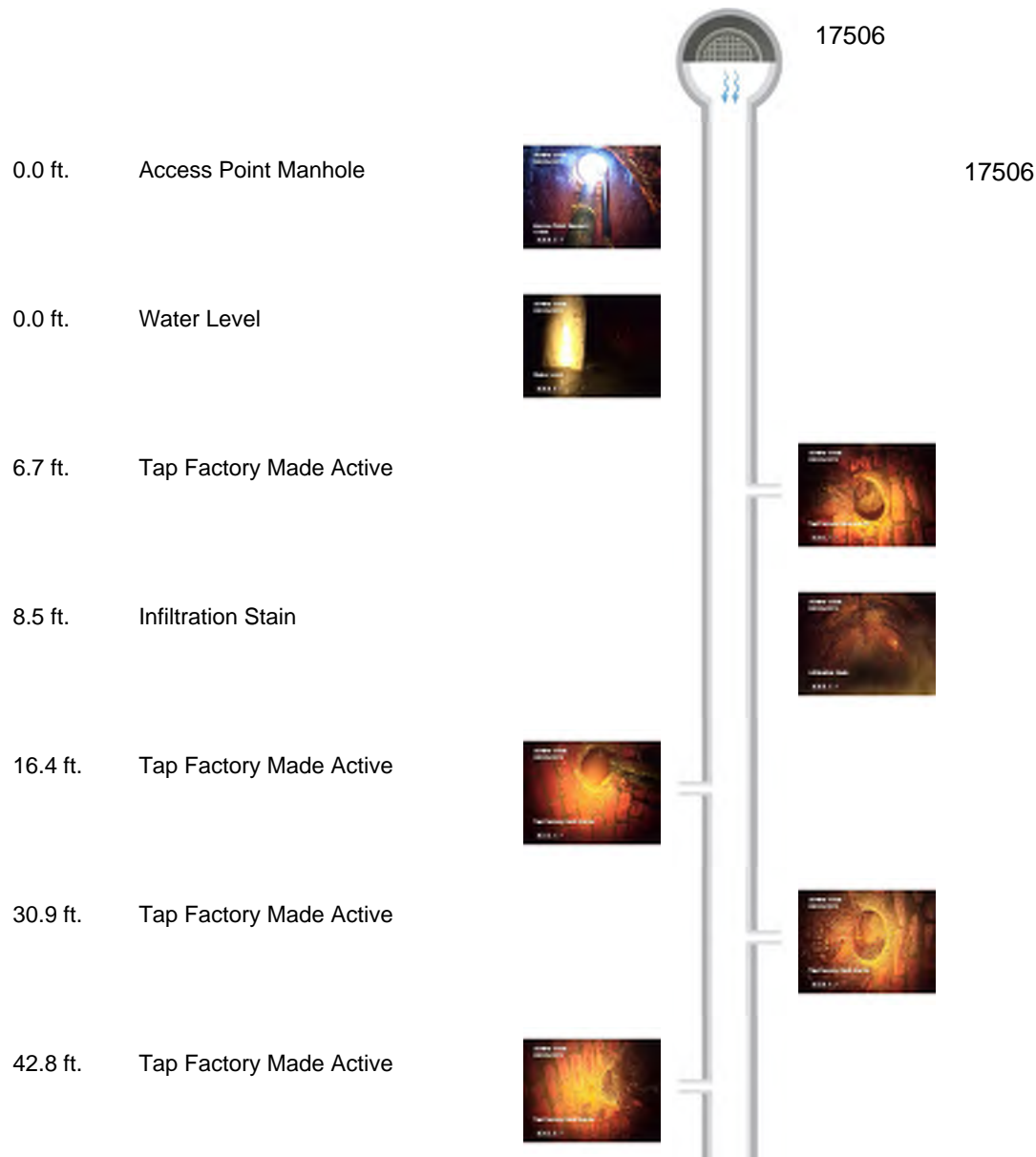
SPR <b>N/A</b>	MPR <b>55</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312D</b>				
OPR <b>55</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160630</b>	Media label	
OPRI <b>2</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>07:56</b>	<b>Weather</b> <b>Dry</b>	
Date Cleaned			<b>End Time</b> <b>12:15</b>	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 17506									
0.0 ft.	Water Level				15	<input type="checkbox"/>			
6.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
8.5 ft.	Infiltration Stain				0	<input type="checkbox"/>	7	3	
16.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
30.9 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
42.8 ft.	Tap Factory Made Active		8		0	<input type="checkbox"/>	3		
42.8 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	3		2
43.0 ft.	Infiltration Weeper				0	<input type="checkbox"/>	9		2
43.7 ft.	Deposits Attached Encrustation	S01			5	<input type="checkbox"/>	9		2
66.4 ft.	Deposits Attached Encrustation	S02			5	<input type="checkbox"/>	3		2
92.6 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
103.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
103.8 ft.	Deposits Attached Encrustation				15	<input type="checkbox"/>	9		3
105.9 ft.	Infiltration Stain				0	<input type="checkbox"/>	12		
106.8 ft.	Deposits Attached Encrustation	F01			5	<input type="checkbox"/>	9		2
108.4 ft.	Deposits Attached Encrustation	F02			5	<input type="checkbox"/>	3		2
109.8 ft.	Infiltration Weeper				0	<input type="checkbox"/>	9		2
120.9 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	9		2
139.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
141.8 ft.	Tap Break-In Intruding		6	2	0	<input type="checkbox"/>	9		2
146.4 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	9		
163.0 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	2		
195.9 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
196.6 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
199.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 8971									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>7092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>17506</b>	Total Length <b>199</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8971</b>	Length surveyed <b>199</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>55</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312D</b>			Media label	
OPR <b>55</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160630</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:56</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>12:15</b>	Additional Info	





## Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
<b>7092</b>	<b>Worcester MA</b>	<b>Quinsigamond ave</b>	<b>Brick</b>	<b>Light High...</b>	<b>Combined</b>
Upstream MH	Total Length	Year Laid	Shape	Location Details	
<b>17506</b>	<b>199</b>		<b>Circular</b>		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
<b>8971</b>	<b>199</b>		<b>48</b>	<b>48</b>	
SPR	N/A	MPR	55	PO Number	
SPRI	N/A	MPRI	2	Customer	
QSR	N/A	QMR	312D	Work Order	
OPR	55	Surveyed By	D. Messier	Purpose	
OPRI	2	Certificate Number	U-214-06019237	Capital Improvement Program As...	
		Direction	Downstream	Date	Media label
				20160630	
		Pre-Cleaning	Heavy Cleaning	Time	Weather
				07:56	Dry
		Date Cleaned		End Time	Additional Info
				12:15	

42.8 ft. Deposits Attached Encrustation



2

43.0 ft. Infiltration Weeper



2

43.7 ft. Deposits Attached Encrustation - S01



2

66.4 ft. Deposits Attached Encrustation - S02



2

92.6 ft. Tap Factory Made Active



103.8 ft. Tap Factory Made Active



103.8 ft. Deposits Attached Encrustation



3

105.9 ft. Infiltration Stain





## Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
<b>7092</b>	<b>Worcester MA</b>	<b>Quinsigamond ave</b>	<b>Brick</b>	<b>Light High...</b>	<b>Combined</b>
Upstream MH	Total Length	Year Laid	Shape	Location Details	
<b>17506</b>	<b>199</b>		<b>Circular</b>		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
<b>8971</b>	<b>199</b>		<b>48</b>	<b>48</b>	
SPR	N/A	MPR	55	PO Number	
SPRI	N/A	MPRI	2	Customer	
QSR	N/A	QMR	312D	Work Order	
OPR	55	Surveyed By	D. Messier	Purpose	
OPRI	2	Certificate Number	U-214-06019237	Capital Improvement Program As...	
		Direction	Downstream	Date	Media label
		Pre-Cleaning	Heavy Cleaning	Time	Weather
		Date Cleaned		End Time	Additional Info
				12:15	

106.8 ft. Deposits Attached Encrustation - F01

2



108.4 ft. Deposits Attached Encrustation - F02

2



109.8 ft. Infiltration Weeper

2



120.9 ft. Deposits Attached Encrustation

2



139.8 ft. Tap Factory Made Active



141.8 ft. Tap Break-In Intruding

2



146.4 ft. Tap Factory Made Capped



163.0 ft. Tap Factory Made Active





## Defect Listing Plot with Images

Pipe Segment Refere... <b>7092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>17506</b>	Total Length <b>199</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8971</b>	Length surveyed <b>199</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>55</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>312D</b>			Media label	
OPR <b>55</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160630</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:56</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>12:15</b>	Additional Info	

195.9 ft. Tap Factory Made Active



196.6 ft. Tap Factory Made Active



199.0 ft. Access Point Manhole



8971



8971

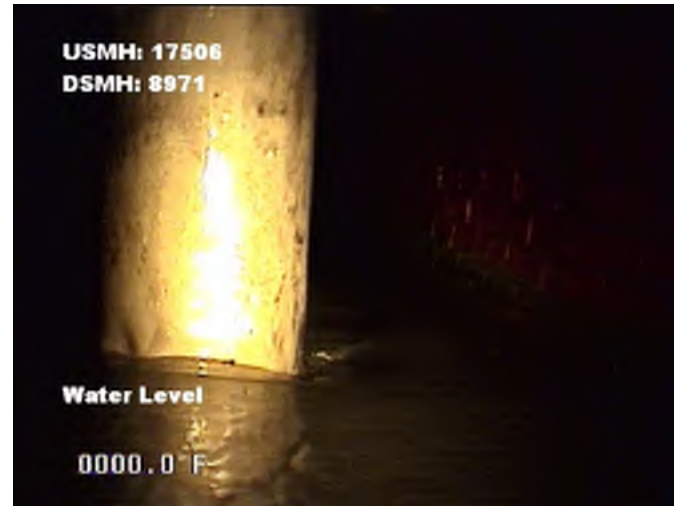


## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7092	Worcester MA	Quinsigamond ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
17506	199		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
8971	199		48	48	



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 17506



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 6.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 8.5 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7092	Worcester MA	Quinsigamond ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
17506	199		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
8971	199		48	48	



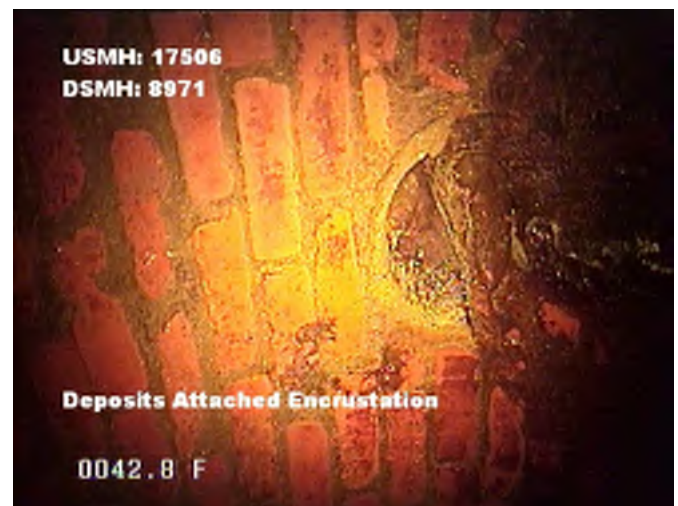
Distance: 16.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 30.9 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 42.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 42.8 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



## Image Report 4/Page

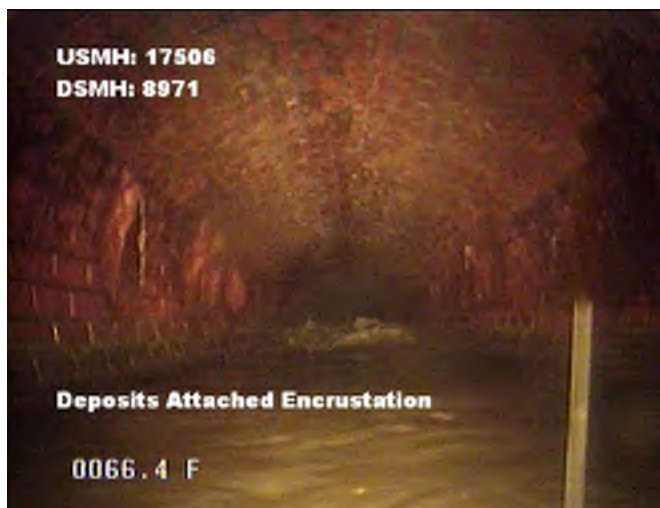
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7092	Worcester MA	Quinsigamond ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
17506	199		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
8971	199		48	48	



Distance: 43.0 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



Distance: 43.7 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 66.4 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 92.6 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7092	Worcester MA	Quinsigamond ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
17506	199		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
8971	199		48	48	



Distance: 103.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 103.8 ft. Grade: 3  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 105.9 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 106.8 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



## Image Report 4/Page

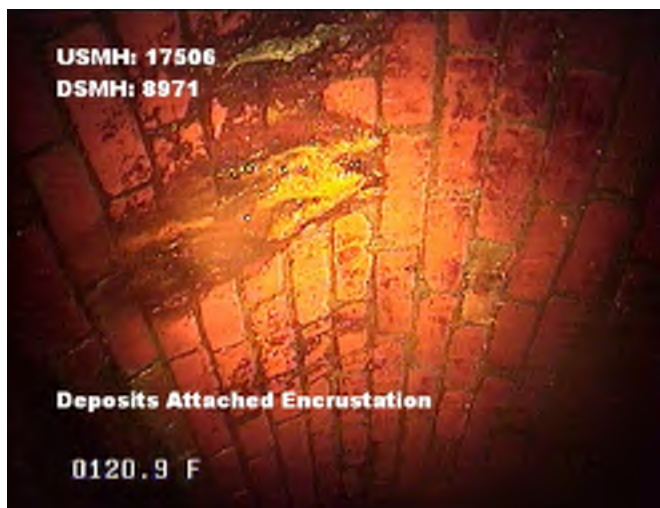
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7092	Worcester MA	Quinsigamond ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
17506	199		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
8971	199		48	48	



Distance: 108.4 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 109.8 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A



Distance: 120.9 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 139.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
7092	Worcester MA	Quinsigamond ave	Brick	Light High...	Combined
Upstream MH	Total Length	Year Laid	Shape	Location Details	
17506	199		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
8971	199		48	48	



Distance: 141.8 ft. Grade: 2  
Condition: Tap Break-In Intruding  
Remarks: N/A



Distance: 146.4 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



Distance: 163.0 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 195.9 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>7092</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>17506</b>	Total Length <b>199</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8971</b>	Length surveyed <b>199</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 196.6 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 199.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 8971



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
---	-----------------	-------



Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
EMail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>28599</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>8971</b>	Total Length <b>205</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

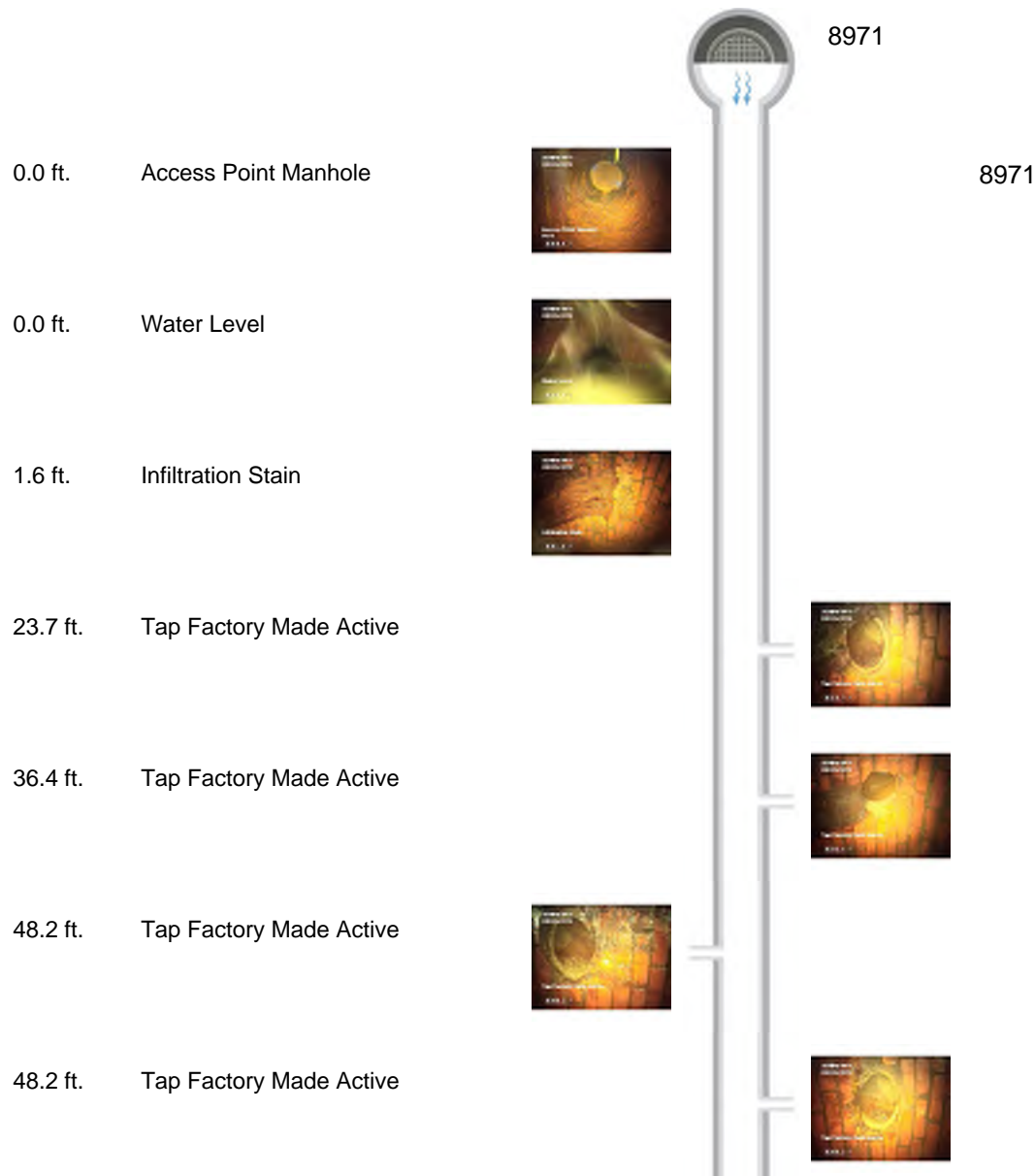
SPR	<b>N/A</b>	MPR	<b>8</b>	PO Number		Customer	
SPRI	<b>N/A</b>	MPRI	<b>2</b>	Work Order		<b>Weston &amp; Sampson</b>	
QSR	<b>N/A</b>	QMR	<b>2400</b>			Purpose	
						<b>Capital Improvement Program As...</b>	
OPR	<b>8</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160630</b>	Media label		
OPRI	<b>2</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>12:17</b>	<b>Weather</b> <b>Dry</b>		
Date Cleaned <b>20160630</b>				<b>End Time</b> <b>14:13</b>	Additional Info		

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 8971									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
1.6 ft.	Infiltration Stain				0	<input type="checkbox"/>	12		
23.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
36.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	10		
48.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
48.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
73.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
99.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
99.4 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	3		2
99.4 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
123.9 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
147.3 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
147.3 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
147.3 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	9		2
151.8 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	9		2
173.3 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	10		
173.3 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	10		2
195.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
197.1 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
205.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 8970									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>28599</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8971</b>	Total Length <b>205</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>8</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2400</b>			Media label	
OPR <b>8</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160630</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>12:17</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160630</b>			End Time <b>14:13</b>	Additional Info	





## Defect Listing Plot with Images

Pipe Segment Refere... <b>28599</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8971</b>	Total Length <b>205</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>8</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2400</b>			Media label	
OPR <b>8</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160630</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>12:17</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160630</b>			End Time <b>14:13</b>	Additional Info	

73.7 ft. Tap Factory Made Active



99.4 ft. Tap Factory Made Active



99.4 ft. Deposits Attached Encrustation



2

99.4 ft. Tap Factory Made Active



123.9 ft. Tap Factory Made Active



147.3 ft. Tap Factory Made Active



147.3 ft. Tap Factory Made Active



147.3 ft. Deposits Attached Encrustation



2



## Defect Listing Plot with Images

Pipe Segment Refere... <b>28599</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8971</b>	Total Length <b>205</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>8</b>	PO Number		Customer <b>Weston &amp; Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>2400</b>			Media label	
OPR <b>8</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160630</b>		
OPRI <b>2</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>12:17</b>	Weather <b>Dry</b>	
Date Cleaned <b>20160630</b>			End Time <b>14:13</b>	Additional Info	

151.8 ft. Deposits Attached Encrustation

2



173.3 ft. Tap Factory Made Active



173.3 ft. Deposits Attached Encrustation

2



195.8 ft. Tap Factory Made Active



197.1 ft. Tap Factory Made Active



205.0 ft. Access Point Manhole



8970



8970



## Image Report 4/Page

Pipe Segment Refere... <b>28599</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8971</b>	Total Length <b>205</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 8971



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 1.6 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 23.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28599</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8971</b>	Total Length <b>205</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 36.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 48.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 48.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 73.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28599</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>		Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8971</b>	Total Length <b>205</b>	Year Laid	Shape <b>Circular</b>		Location Details	
DS Manhole <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...	



Distance: 99.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 99.4 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 99.4 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 123.9 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

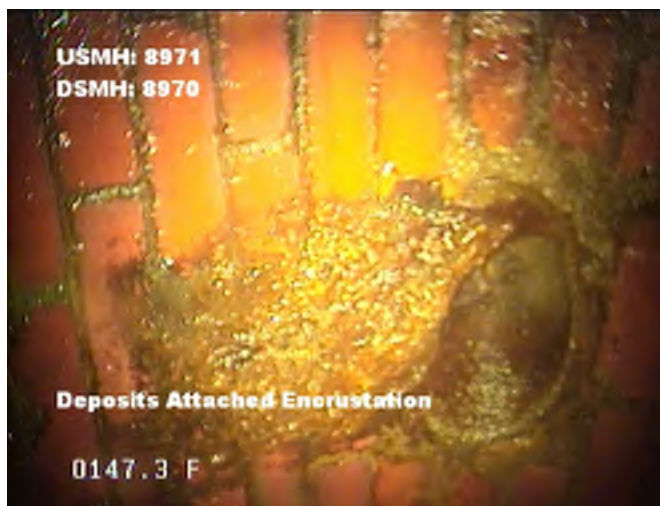
Pipe Segment Refere... <b>28599</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8971</b>	Total Length <b>205</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



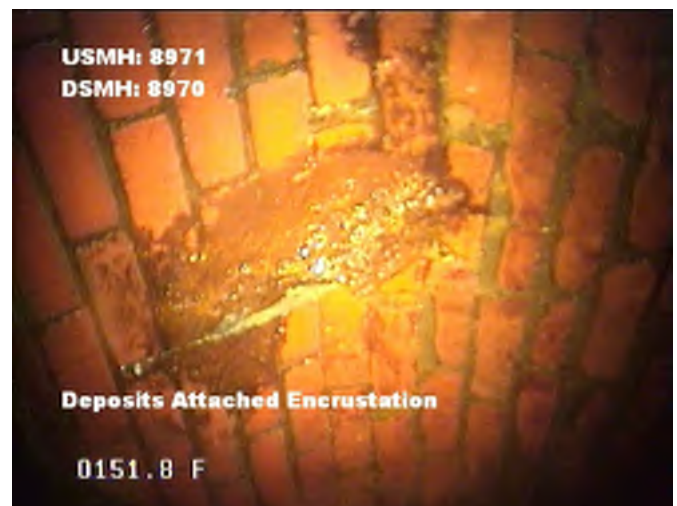
Distance: 147.3 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 147.3 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 147.3 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 151.8 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A

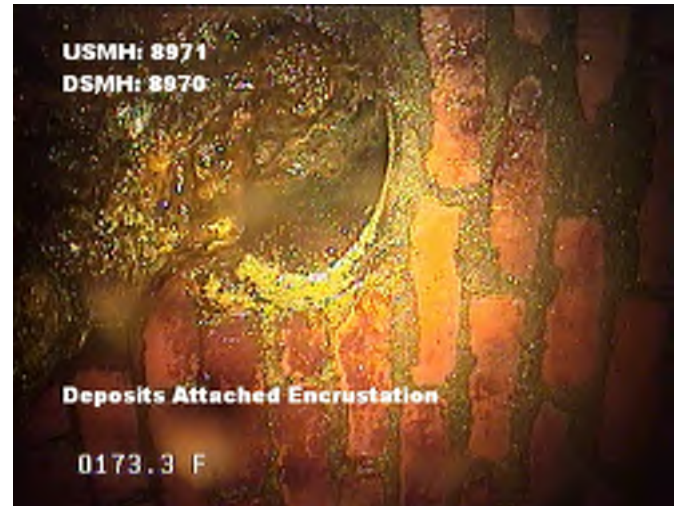


# Image Report 4/Page

Pipe Segment Refere... <b>28599</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8971</b>	Total Length <b>205</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 173.3 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 173.3 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 195.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 197.1 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>28599</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8971</b>	Total Length <b>205</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>8970</b>	Length surveyed <b>205</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 205.0 ft.      Grade: 0  
Condition: Access Point Manhole  
Remarks: 8970



## Project Information

Project Name: <b>WS WORCESTER WI</b>	Project Number:	Date:
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Contractor	<b>Inland Waters Inc.</b>
Responsible:	<b>Peter Hochard</b>
Department:	<b>Field Superintendent</b>
Street:	<b>275 Scituate Ave</b>
City:	<b>Johnston</b>
Telephone:	<b>401-943-5302</b>
Fax:	<b>401-943-5714</b>
Mobile:	<b>401-265-3221</b>
E-Mail:	<b>peter@inlandwatersinc.com</b>

Notes:





## Defect Listing

<b>Pipe Segment Refere...</b> <b>19063</b>	<b>City</b> <b>Worcester MA</b>	<b>Street</b> <b>Quinsigamond Ave</b>	<b>Material</b> <b>Brick</b>	<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Combined</b>
<b>Upstream MH</b> <b>8970</b>	Total Length <b>197</b>	Year Laid	<b>Shape</b> <b>Circular</b>	Location Details	
<b>DS Manhole</b> <b>19494</b>	Length surveyed <b>197</b>	Year Renewed	<b>Height</b> <b>48</b>	<b>Width</b> <b>48</b>	Pipe Joint...

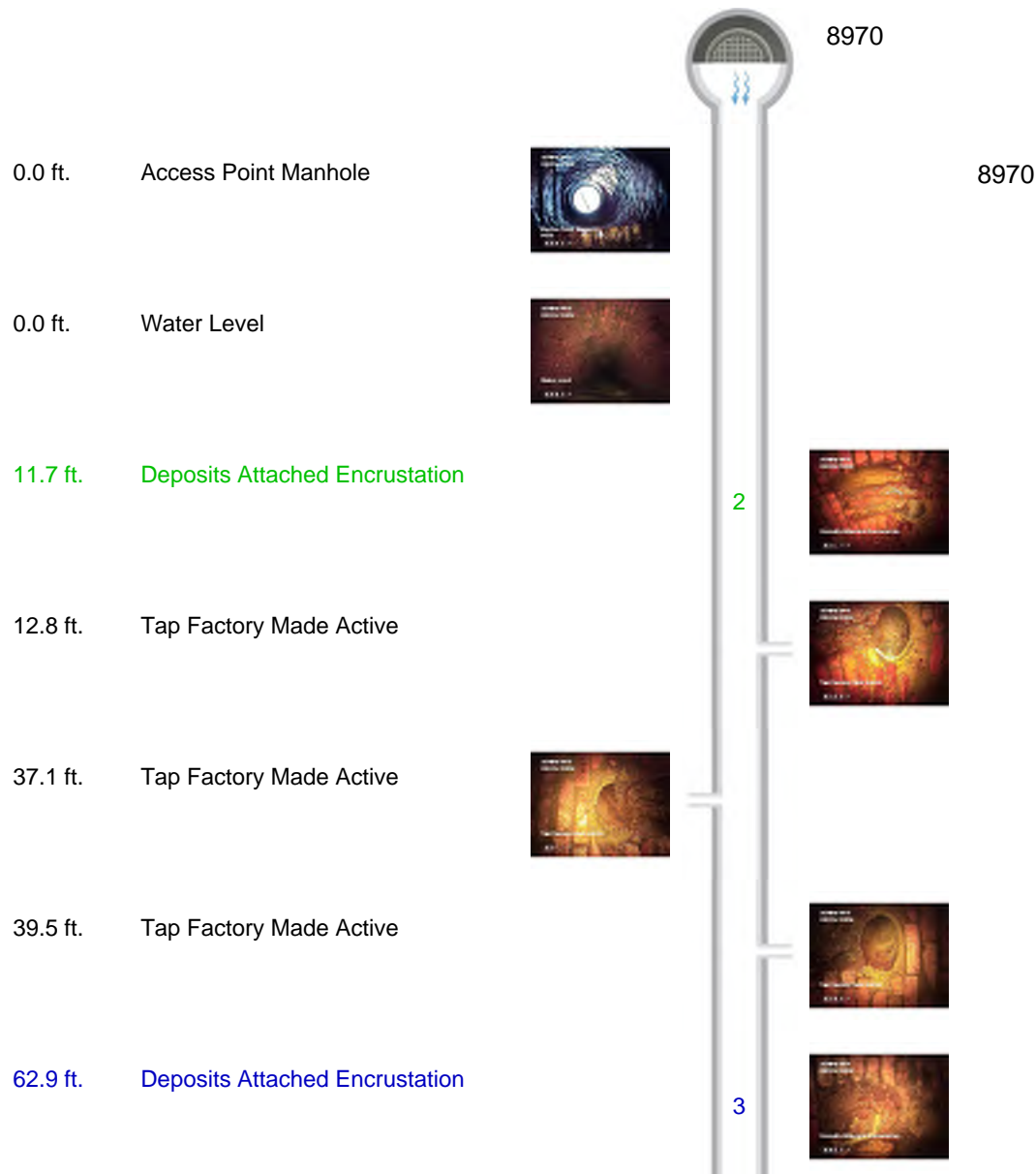
SPR	<b>N/A</b>	MPR	<b>15</b>	PO Number		Customer <b>Weston Sampson</b>	
SPRI	<b>N/A</b>	MPRI	<b>2.1</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR	<b>N/A</b>	QMR	<b>3126</b>				
OPR <b>15</b>	<b>Surveyed By</b> <b>D. Messier</b>	<b>Direction</b> <b>Downstream</b>	<b>Date</b> <b>20160701</b>		<b>Media label</b>		
OPRI <b>2.1</b>	<b>Certificate Number</b> <b>U-214-06019237</b>	<b>Pre-Cleaning</b> <b>Heavy Cleaning</b>	<b>Time</b> <b>09:45</b>		<b>Weather</b> <b>Dry</b>		
Date Cleaned			<b>End Time</b> <b>10:12</b>		Additional Info		

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 8970									
0.0 ft.	Water Level				15	<input type="checkbox"/>			
11.7 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	9		2
12.8 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
37.1 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
39.5 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
62.9 ft.	Deposits Attached Encrustation				15	<input type="checkbox"/>	9		3
64.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
84.2 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	12		
87.7 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	3		
102.7 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	8		2
129.5 ft.	Infiltration Stain				0	<input type="checkbox"/>	3		
140.3 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	9		
140.7 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	3		
181.1 ft.	Infiltration Stain				0	<input type="checkbox"/>	3		
181.2 ft.	Infiltration Weeper				0	<input type="checkbox"/>	8		2
186.9 ft.	Deposits Attached Encrustation				10	<input type="checkbox"/>	4		2
187.6 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	8		2
190.9 ft.	Deposits Attached Encrustation				5	<input type="checkbox"/>	4		2
197.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
<b>Remarks:</b> 19494									



## Defect Listing Plot with Images

Pipe Segment Refere... <b>19063</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8970</b>	Total Length <b>197</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>19494</b>	Length surveyed <b>197</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>15</b>	PO Number		Customer <b>Weston Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2.1</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>3126</b>				
OPR <b>15</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160701</b>	Media label	
OPRI <b>2.1</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>09:45</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>10:12</b>	Additional Info	





## Defect Listing Plot with Images

Pipe Segment Refere... <b>19063</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8970</b>	Total Length <b>197</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>19494</b>	Length surveyed <b>197</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>15</b>	PO Number		Customer <b>Weston Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2.1</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>3126</b>			Media label	
OPR <b>15</b>	Surveyed By <b>D_Messier</b>	Direction <b>Downstream</b>	Date <b>20160701</b>		
OPRI <b>2.1</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>09:45</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>10:12</b>	Additional Info	

64.7 ft. Tap Factory Made Active



84.2 ft. Tap Factory Made Active



87.7 ft. Tap Factory Made Capped



102.7 ft. Deposits Attached Encrustation

2



129.5 ft. Infiltration Stain



140.3 ft. Tap Factory Made Capped



140.7 ft. Tap Factory Made Active



181.1 ft. Infiltration Stain





## Defect Listing Plot with Images

Pipe Segment Refere... <b>19063</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8970</b>	Total Length <b>197</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>19494</b>	Length surveyed <b>197</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...
SPR <b>N/A</b>	MPR <b>15</b>	PO Number		Customer <b>Weston Sampson</b>	
SPRI <b>N/A</b>	MPRI <b>2.1</b>	Work Order		Purpose <b>Capital Improvement Program As...</b>	
QSR <b>N/A</b>	QMR <b>3126</b>				
OPR <b>15</b>	Surveyed By <b>D. Messier</b>	Direction <b>Downstream</b>	Date <b>20160701</b>	Media label	
OPRI <b>2.1</b>	Certificate Number <b>U-214-06019237</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>09:45</b>	Weather <b>Dry</b>	
Date Cleaned			End Time <b>10:12</b>	Additional Info	

181.2 ft. Infiltration Weeper

2



186.9 ft. Deposits Attached Encrustation

2



187.6 ft. Deposits Attached Encrustation

2



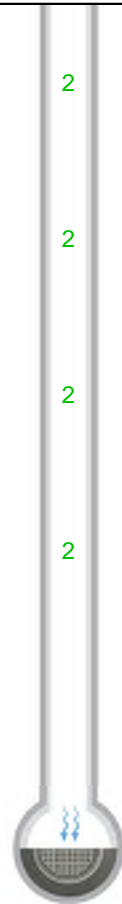
190.9 ft. Deposits Attached Encrustation

2



197.0 ft. Access Point Manhole

19494

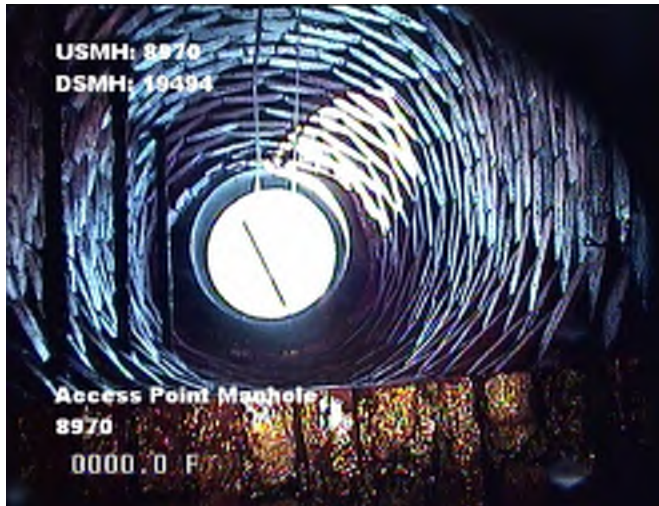


19494



## Image Report 4/Page

Pipe Segment Refere... <b>19063</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8970</b>	Total Length <b>197</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>19494</b>	Length surveyed <b>197</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 8970



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 11.7 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 12.8 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>19063</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8970</b>	Total Length <b>197</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>19494</b>	Length surveyed <b>197</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 37.1 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 39.5 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 62.9 ft. Grade: 3  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 64.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere... <b>19063</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>		Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8970</b>	Total Length <b>197</b>	Year Laid	Shape <b>Circular</b>		Location Details	
DS Manhole <b>19494</b>	Length surveyed <b>197</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...	



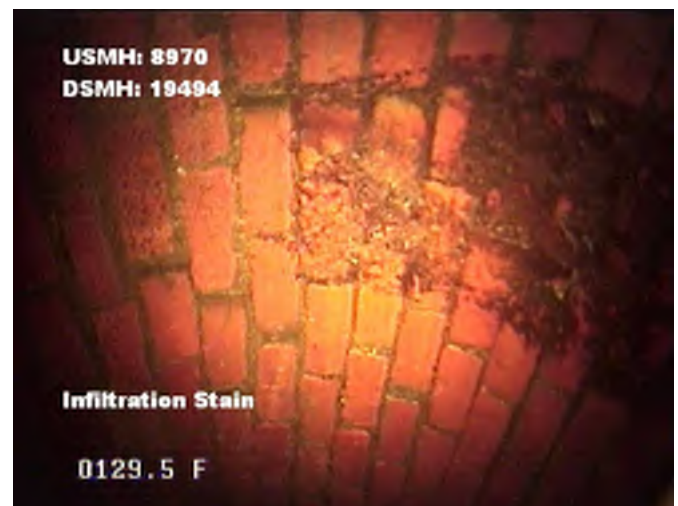
Distance: 84.2 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 87.7 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



Distance: 102.7 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 129.5 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



## Image Report 4/Page

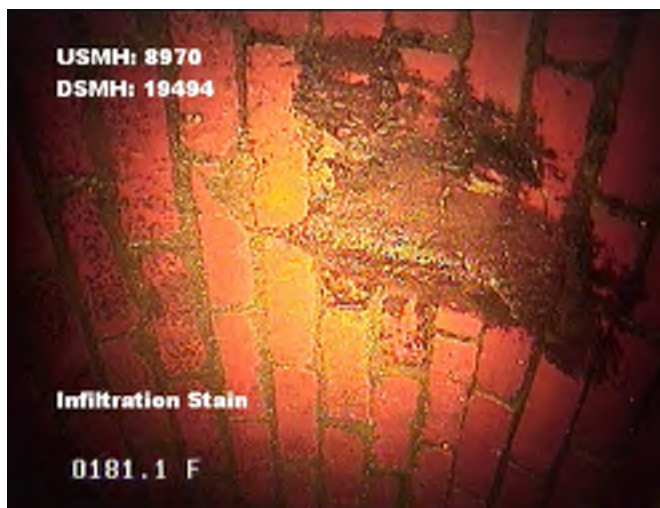
Pipe Segment Refere... <b>19063</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8970</b>	Total Length <b>197</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>19494</b>	Length surveyed <b>197</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 140.3 ft. Grade: 0  
Condition: Tap Factory Made Capped  
Remarks: N/A



Distance: 140.7 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 181.1 ft. Grade: 0  
Condition: Infiltration Stain  
Remarks: N/A



Distance: 181.2 ft. Grade: 2  
Condition: Infiltration Weeper  
Remarks: N/A

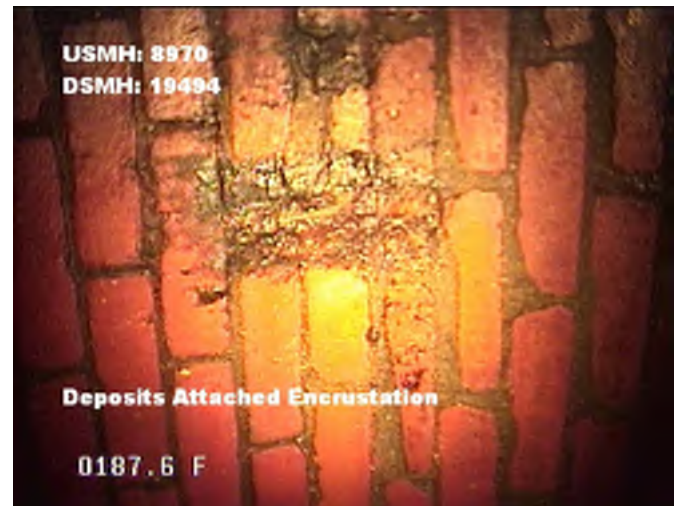


## Image Report 4/Page

Pipe Segment Refere... <b>19063</b>	City <b>Worcester MA</b>	Street <b>Quinsigamond Ave</b>	Material <b>Brick</b>	Location C... <b>Light High...</b>	Sewer Use <b>Combined</b>
Upstream MH <b>8970</b>	Total Length <b>197</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>19494</b>	Length surveyed <b>197</b>	Year Renewed	Height <b>48</b>	Width <b>48</b>	Pipe Joint...



Distance: 186.9 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 187.6 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 190.9 ft. Grade: 2  
Condition: Deposits Attached Encrustation  
Remarks: N/A



Distance: 197.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: 19494