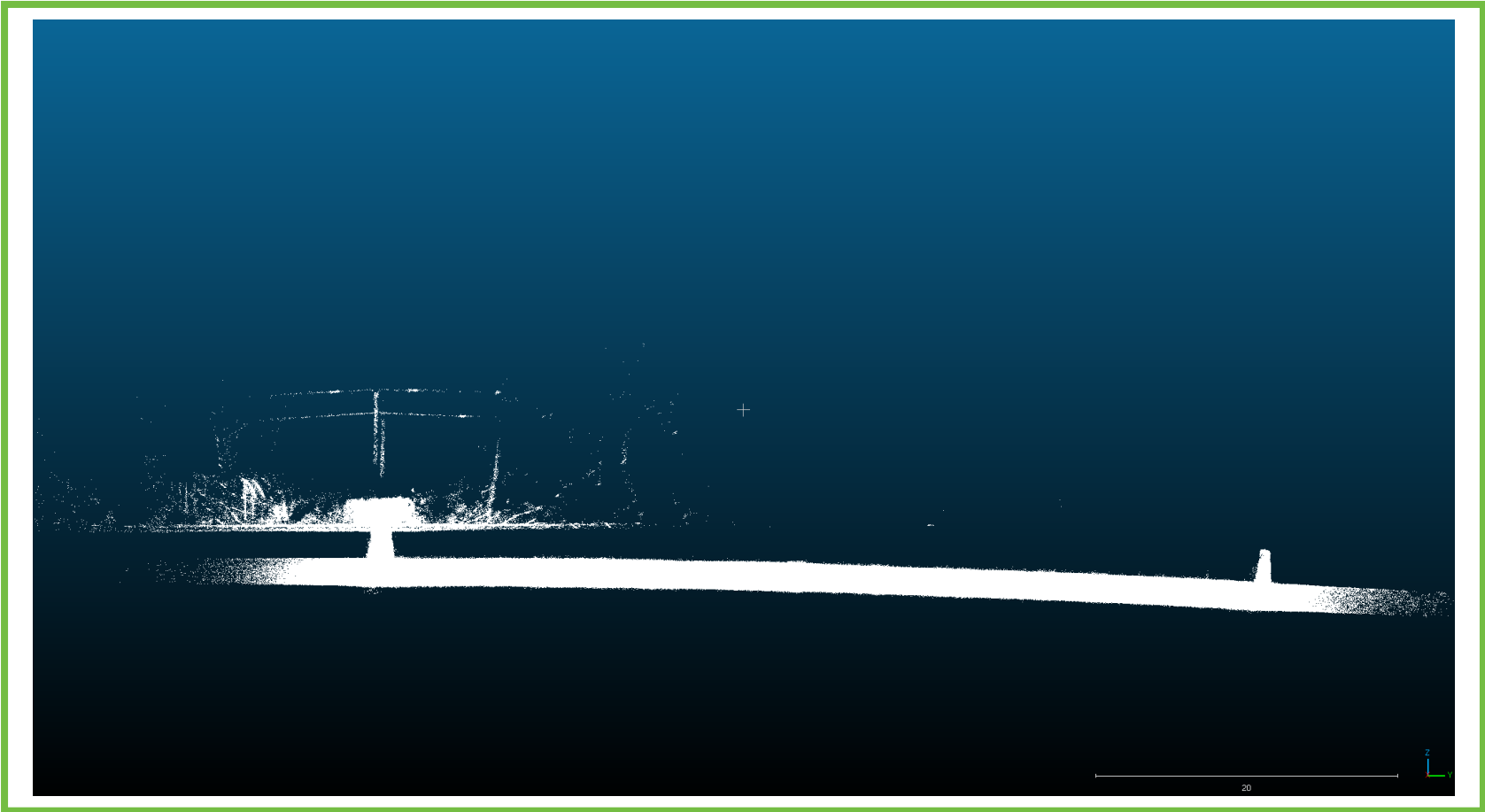
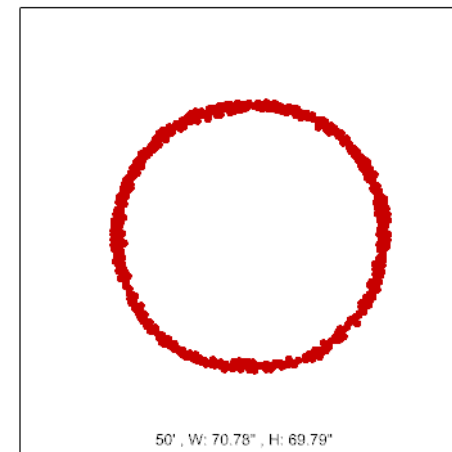
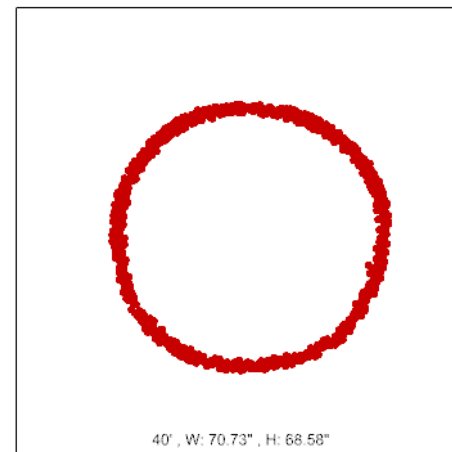
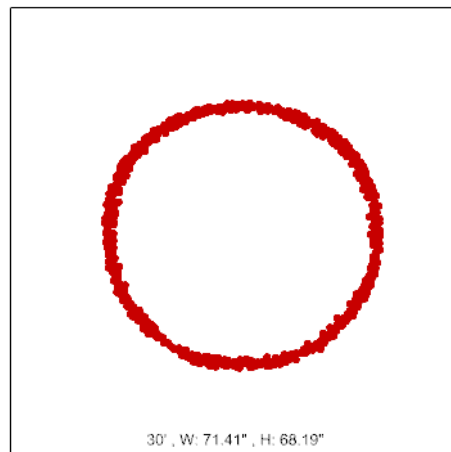
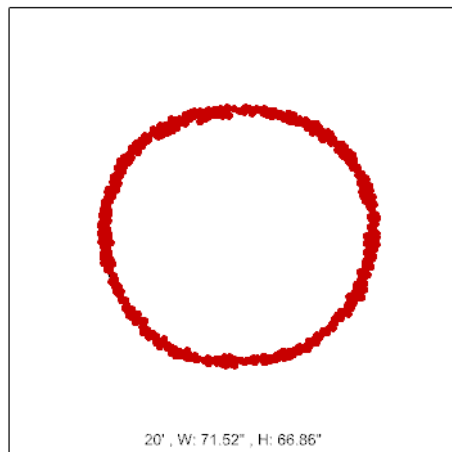
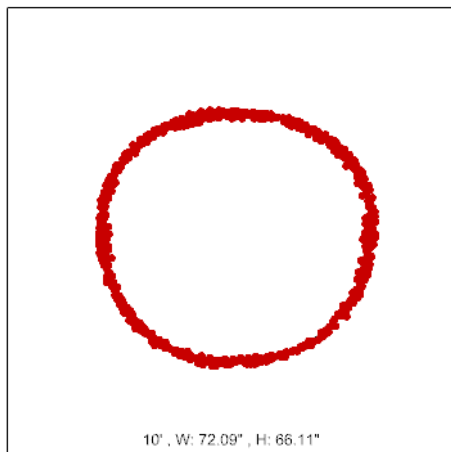
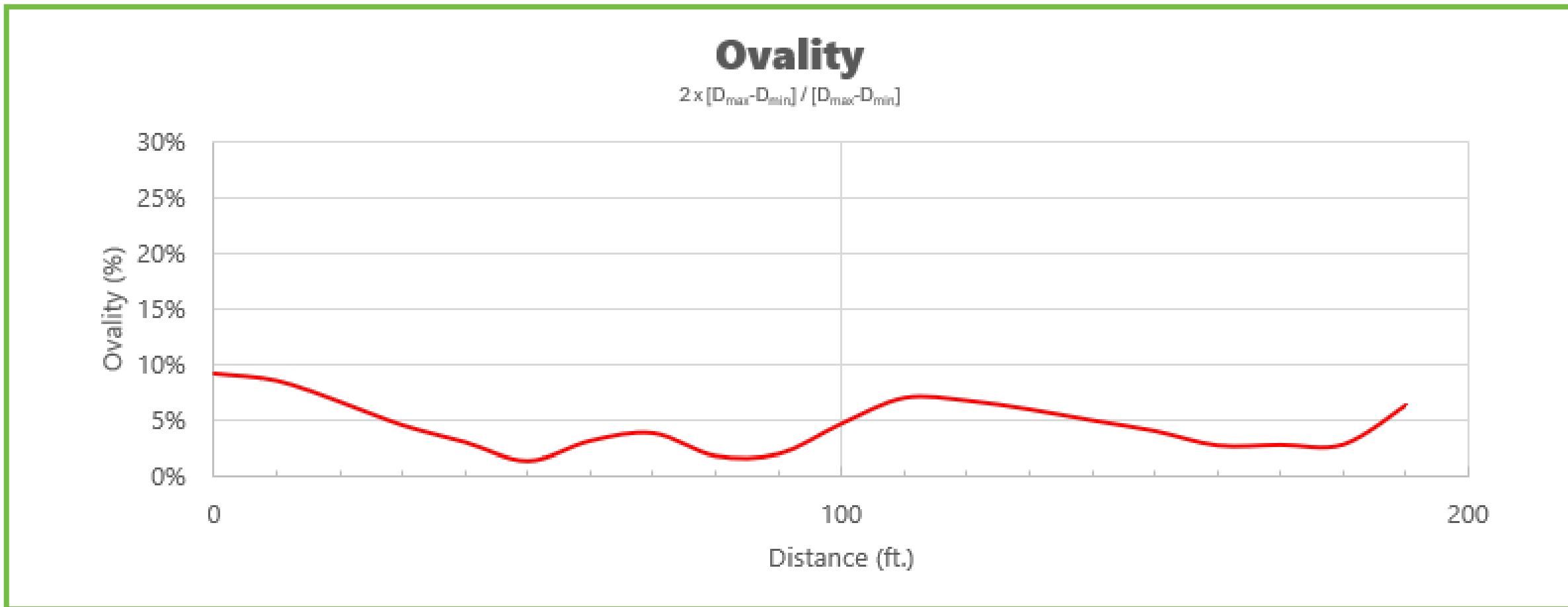
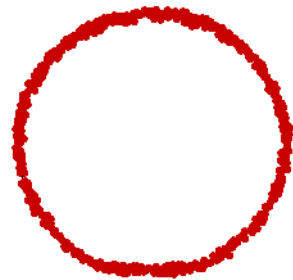




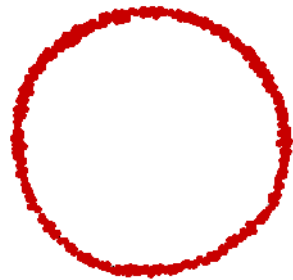
<b>Inspection</b>	Marion County, Ohio
<b>US Manhole</b>	5
<b>DS Manhole</b>	4A
<b>Inspected</b>	October 3, 2024
<b>Platform</b>	Aerial Drone
<b>Sensor</b>	3D Lidar
<b>Report Date</b>	October 29, 2024







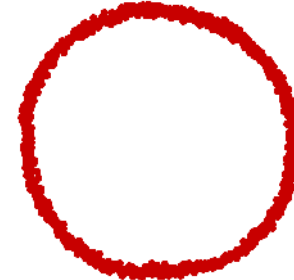
60' , W: 70.56" , H: 68.33"



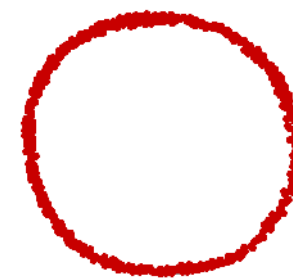
70' , W: 71.06" , H: 68.34"



80' , W: 71.23" , H: 69.93"



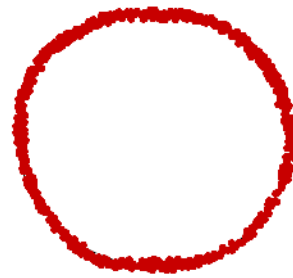
90' , W: 71.18" , H: 69.75"



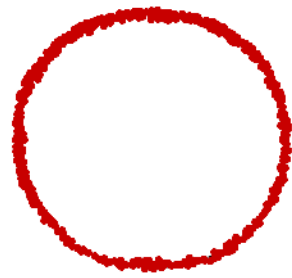
100' , W: 71.34" , H: 68.02"



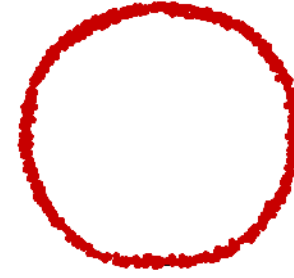
110' , W: 71.80" , H: 66.88"



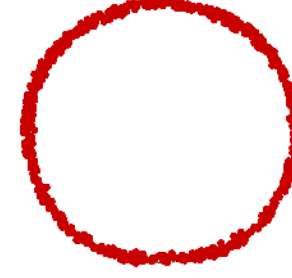
120' , W: 72.23" , H: 67.45"



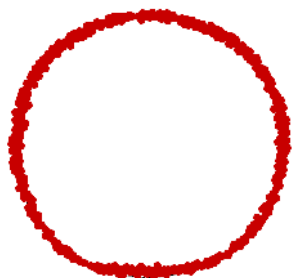
130' , W: 71.75" , H: 67.54"



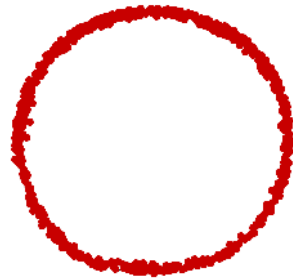
140' , W: 72.00" , H: 68.45"



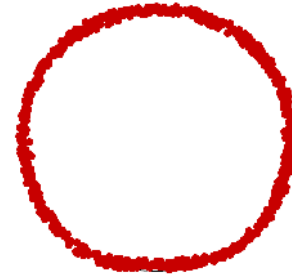
150' , W: 71.42" , H: 68.56"



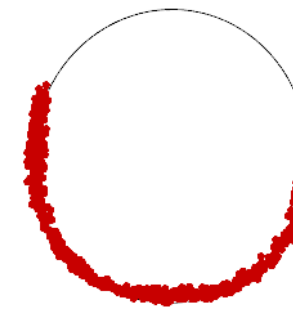
160' , W: 70.95" , H: 69.00"



170' , W: 71.08" , H: 69.09"



180' , W: 71.02" , H: 69.02"



190' , W: 72.36" , H: 77.18"

# INSPECTION HEADER

**DATE:** 10/3/2024  
**PIPE SEG REF.** MH 5 - MA 4A  
**UP MH:** MH 5  
**DOWN MH:** MH 4A

## SUMMARY

<b>Inspection Date</b> 10/3/2024 12:00 AM	<b>Pipe Segment Reference</b> MH 5 - MA 4A	<b>Surveyed By</b> SHAWN DUNNELL	<b>Certificate Number</b> U-915-70001437
<b>Project</b> 2420053PW	<b>Street</b> HOLLAND RD	<b>Upstream MH</b> MH 5	<b>Downstream MH</b> MH 4A
<b>Direction</b> Upstream	<b>Pre-Cleaning</b> No Pre-Cleaning	<b>Total Length (ft)</b>	<b>Length Surveyed (ft)</b> 179.6

## ASSET

<b>Height (mm)</b> 72	<b>Shape</b> Circular	<b>Material</b> BR	<b>Pipe Use</b> Combined Pipe
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## PROJECT

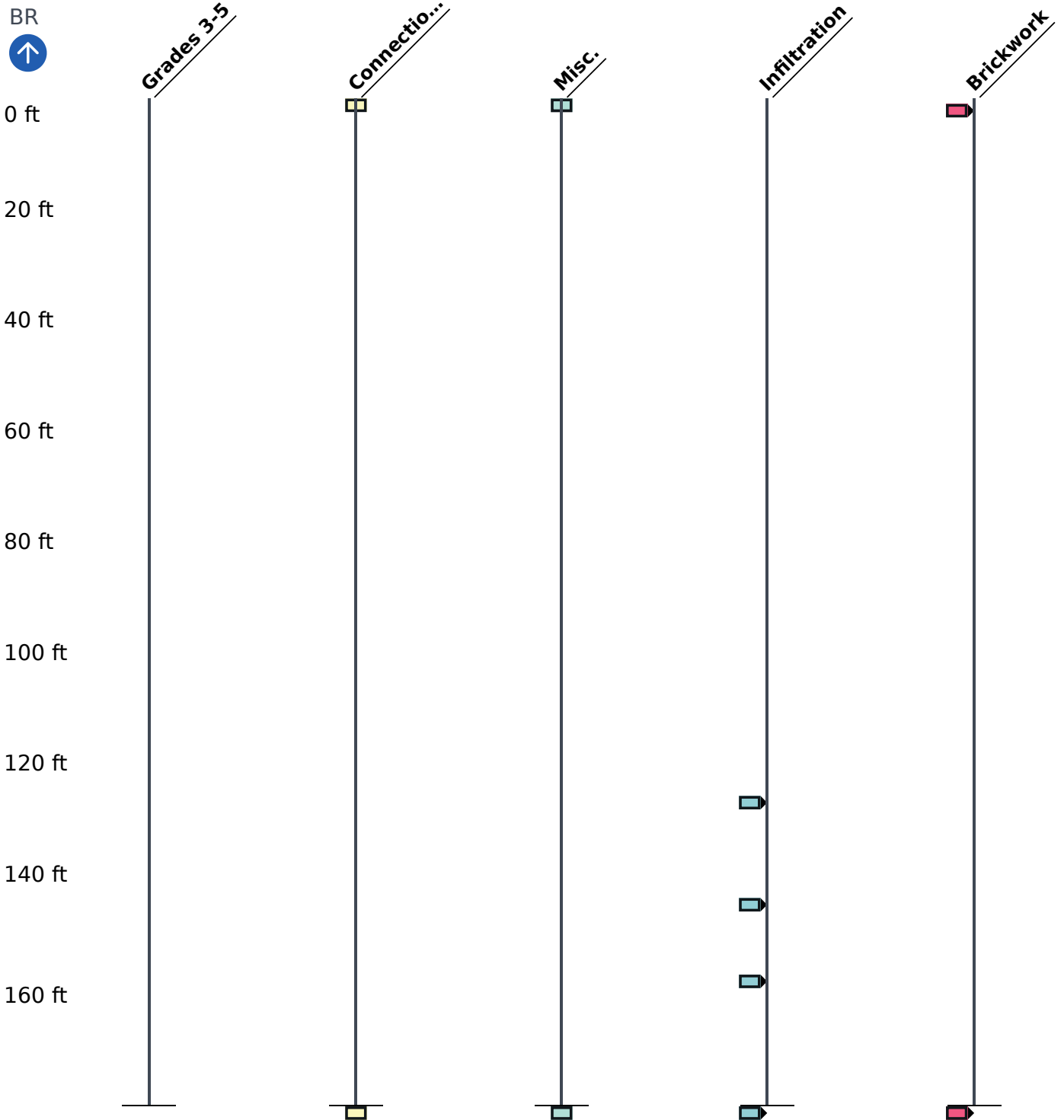
<b>Owner</b> CITY OF MARION	<b>Customer</b> CT CONSULTANTS
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## INSPECTION

<b>Inspection Time</b> 12:00 AM	<b>City</b> MARION	<b>Inspection Status</b> CI	<b>In Feet (Imperial)</b> Yes
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# SMART DIAGRAM

DATE: 10/3/2024  
PIPE SEG REF. MH 5 - MA 4A  
UP MH: MH 5  
DOWN MH: MH 4A



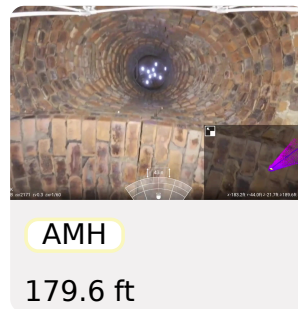
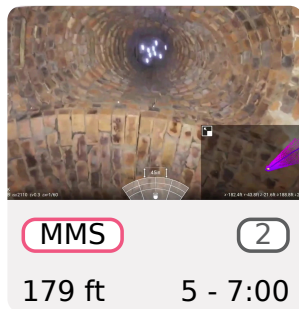
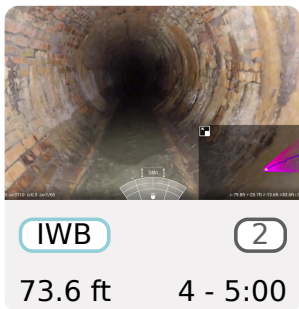
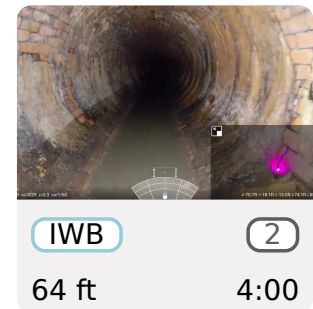
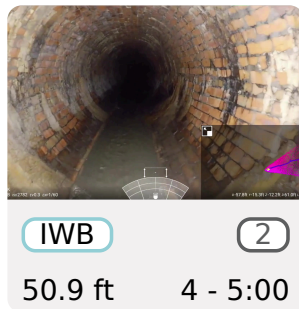
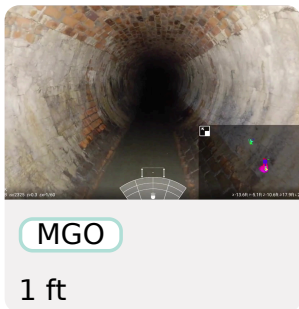
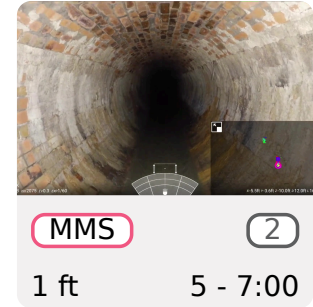
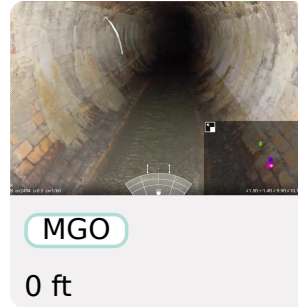
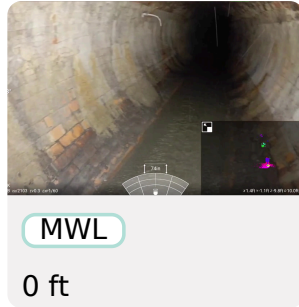
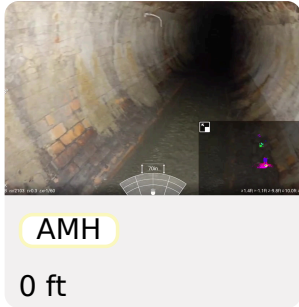
# OBSERVATIONS

**DATE:** 10/3/2024  
**PIPE SEG REF.** MH 5 - MA 4A  
**UP MH:** MH 5  
**DOWN MH:** MH 4A

Dist	Time	Description	Code	Clock	Dim. 1	Dim. 2	%	Remarks	Cont.	Grade
0	0:05	Manhole	AM	-	-	-	-	MH 4A	-	-
0	0:05	Miscellaneous Water Level	MW	-	-	-	5	-	-	-
0	0:05	Miscellaneous General Observatio...	MG	-	-	-	-	10.1 FT OFFSET	-	-
1	0:23	Missing Mortar Small	MBM		-	-	-	-	S01	2
1	0:31	Miscellaneous General Observatio...	MG	-	-	-	-	DAE LESS THAN 5%	-	-
50.9	1:03	Infiltration Weeper Barrel	IWB		-	-	-	-	-	2
58.4	1:07	Infiltration Stain Barrel	ISB		-	-	-	-	-	1
64	1:10	Infiltration Weeper Barrel	IWB		-	-	-	-	-	2
73.6	1:15	Infiltration Weeper Barrel	IWB		-	-	-	-	-	2
179	1:59	Missing Mortar Small	MBM		-	-	-	-	F01	2
179.6	1:59	Manhole	AM	-	-	-	-	MH 5	-	-

# OBSERVATION SNAPSHOTS

DATE: 10/3/2024  
 PIPE SEG REF. MH 5 - MA 4A  
 UP MH: MH 5  
 DOWN MH: MH 4A



**DATE:** 10/3/2024  
**PIPE SEG REF.** MH 5 - MA 4A  
**UP MH:** MH 5  
**DOWN MH:** MH 4A

# RATINGS

<b>PIPE RATING INDEX</b>	<b>Overall</b>	<b>Structural</b>	<b>O&amp;M</b>
	(2)	(2)	(1.8)

Sum of all graded conditions divided by the total number of conditions. 0-5 scale.

<b>PIPE RATING</b>	<b>Overall</b>	<b>Structural</b>	<b>O&amp;M</b>
	79	72	7

Sum of all graded conditions.

<b>QUICK RATING</b>	<b>Overall</b>	<b>Structural</b>	<b>O&amp;M</b>	<b>Likelihood of Failure</b>
	(2F)(11)	(2F)(00)	(23)(11)	
	3			

First digit is highest graded condition. Second digit is count of those conditions (A = 10-14, B = 15-19, etc.). Third digit is second-highest graded condition. Fourth digit is count of those conditions. LoF is Quick Rating divided by 10 (scale from 0-6).

<b>FREQUENCY OF CONDITION GRADES</b>	<b>Grade</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
	<b>#</b>	1	5	0	0	0

Count of each condition grade in the inspection.