



AAA Advanced Plumbing and Drain  
7277 Bessemer Avenue • Cleveland, Ohio 44127  
440-331-5555 voice • 216-341-6681 fax  
www.advancedplumber.com

Surveyors name	Certificate Number	System Owner	Survey Customer	Drainage Area	Sheet				
M.Crawford	U735286	FAIRPORT HARBOR	CT CONSULTANTS		1				
P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality				
103168		8/11/2026	1:59 AM	NEW FOURTH	FAIRPORT HARBOR				
Further Location details		Upstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade				
		NEW FOURTH 1 STM							
Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height		
401 NEW FOURTH STM				Stormwater	Upstream	N	10		
Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
1	Circular	PE			88	88			
Purpose	Sewer Category	Pre-Cleaning	Date Cleaned	Weather	Additional Information				
F	A	No Pre-Cleaning		Dry	10"				

Distance (Feet)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks	
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches			%	At / From					To
					1st	2nd								
0.0	AMH									NEW FOURTH 1 STM_401			Starting Manhole: 401 NEW FOURTH STM	
0.0	MWL					5				NEW FOURTH 1 STM_401 NEW FOURTH STM-AMH@0				
1.0	DS	GV	S01			30	J	3	9	NEW FOURTH 1 STM_401 NEW FOURTH STM- DSGV@1				



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M.Crawford	U735286	FAIRPORT HARBOR	CT CONSULTANTS		2				
P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality				
103168		8/11/2026	1:59 AM	NEW FOURTH	FAIRPORT HARBOR				
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		NEW FOURTH 1 STM							
Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height		
401 NEW FOURTH STM				Stormwater	Upstream	N	10		
Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
1	Circular	PE			88	88			
Purpose	Sewer Category	Pre-Cleaning	Date Cleaned	Weather	Additional Information				
F	A	No Pre-Cleaning		Dry	10"				

Distance (Feet)	Code		Continuous defect	Value				Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches		%		At / From	To				
					1st	2nd								
8.1	JO			L						NEW FOURTH 1 STM_401 NEW FOURTH STM- JOL@8.1	2			
8.1	MMC									NEW FOURTH 1 STM_401 NEW FOURTH STM- MMC@8.1			VCP	
11.6	RF		S02					J	12	12	NEW FOURTH 1 STM_401 NEW FOURTH STM- RFJ@11.6			



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M.Crawford	U735286	FAIRPORT HARBOR	CT CONSULTANTS		3				
P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality				
103168		8/11/2026	1:59 AM	NEW FOURTH	FAIRPORT HARBOR				
Further Location details		Upstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade				
		NEW FOURTH 1 STM							
Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height		
401 NEW FOURTH STM				Stormwater	Upstream	N	10		
Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
1	Circular	PE			88	88			
Purpose	Sewer Category	Pre-Cleaning	Date Cleaned	Weather	Additional Information				
F	A	No Pre-Cleaning		Dry	10"				

Distance (Feet)	Code		Continuous defect	Value				Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches		%		At / From	To				
					1st	2nd								
12.0	CM		S03					J	12	12	NEW FOURTH 1 STM_401 NEW FOURTH STM-CM@12			
15.0	RF		F02					J	12	12	NEW FOURTH 1 STM_401 NEW FOURTH STM-RFJ@15		1x1	
34.5	FM							J	12	4	NEW FOURTH 1 STM_401 NEW FOURTH STM- FM@34.5	4		



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M.Crawford	U735286	FAIRPORT HARBOR	CT CONSULTANTS		4				
P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality				
103168		8/11/2026	1:59 AM	NEW FOURTH	FAIRPORT HARBOR				
Further Location details		Upstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade				
		NEW FOURTH 1 STM							
Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height		
401 NEW FOURTH STM				Stormwater	Upstream	N	10		
Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
1	Circular	PE			88	88			
Purpose	Sewer Category	Pre-Cleaning	Date Cleaned	Weather	Additional Information				
F	A	No Pre-Cleaning		Dry	10"				

Distance (Feet)	Code		Continuous defect	Value				Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches		%		At / From	To				
					1st	2nd								
36.1	FM							J	7	5	NEW FOURTH 1 STM_401 NEW FOURTH STM- FM@36.1	4		
38.9	FM							J	7	5	NEW FOURTH 1 STM_401 NEW FOURTH STM- FM@38.9	4		
49.6	FM							J	7	5	NEW FOURTH 1 STM_401 NEW FOURTH STM- FM@49.6	4		





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M.Crawford	U735286	FAIRPORT HARBOR	CT CONSULTANTS		5				
P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality				
103168		8/11/2026	1:59 AM	NEW FOURTH	FAIRPORT HARBOR				
Further Location details		Upstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade				
		NEW FOURTH 1 STM							
Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height		
401 NEW FOURTH STM				Stormwater	Upstream	N	10		
Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
1	Circular	PE			88	88			
Purpose	Sewer Category	Pre-Cleaning	Date Cleaned	Weather	Additional Information				
F	A	No Pre-Cleaning		Dry	10"				

Distance (Feet)	Code		Continuous defect	Value				Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches		%		At / From	To				
					1st	2nd								
53.3	FM							J	7	5	NEW FOURTH 1 STM_401 NEW FOURTH STM- FM@53.3	4		
58.1	FM							J	7	5	NEW FOURTH 1 STM_401 NEW FOURTH STM- FM@58.1	4		
70.5	FM		S04					J	7	5	NEW FOURTH 1 STM_401 NEW FOURTH STM- FM@70.5			



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M.Crawford	U735286	FAIRPORT HARBOR	CT CONSULTANTS		6				
P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality				
103168		8/11/2026	1:59 AM	NEW FOURTH	FAIRPORT HARBOR				
Further Location details		Upstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade				
		NEW FOURTH 1 STM							
Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height		
401 NEW FOURTH STM				Stormwater	Upstream	N	10		
Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
1	Circular	PE			88	88			
Purpose	Sewer Category	Pre-Cleaning	Date Cleaned	Weather	Additional Information				
F	A	No Pre-Cleaning		Dry	10"				

Distance (Feet)	Code		Continuous defect	Value				Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches		%		At / From	To				
					1st	2nd								
71.2	CM		F03					J	12	12	NEW FOURTH 1 STM_401	3x12		
											NEW FOURTH STM- CM@71.2			
88.0	DS	GV	F01				25	J	3	9	NEW FOURTH 1 STM_401	4x17		
											NEW FOURTH STM- DSGV@88			
88.0	FM		F04					J	12	12	NEW FOURTH 1 STM_401	4x4		
											NEW FOURTH STM-FM@88			



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M.Crawford	U735286	FAIRPORT HARBOR	CT CONSULTANTS		7				
P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality				
103168		8/11/2026	1:59 AM	NEW FOURTH	FAIRPORT HARBOR				
Further Location details		Upstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade				
		NEW FOURTH 1 STM							
Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height		
401 NEW FOURTH STM				Stormwater	Upstream	N	10		
Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
1	Circular	PE			88	88			
Purpose	Sewer Category	Pre-Cleaning	Date Cleaned	Weather	Additional Information				
F	A	No Pre-Cleaning		Dry	10"				

Distance (Feet)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks	
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches			%	At / From					To
					1st	2nd								
88.0	XP					75				NEW FOURTH 1 STM_401 NEW FOURTH STM-XP@88	5		UNABLE TO GET PASS COLLAPSE. ALL OTHEWR ACCESS POINTS COVERED BY CONSTRUCTION	
88.0	MSA									NEW FOURTH 1 STM_401 NEW FOURTH STM- MSA@88			UNABLE TO GET PASS COLLAPSE. ALL OTHEWR ACCESS POINTS COVERED BY CONSTRUCTION	

Segment	Structural								O & M								Overall							
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
NEW FOURTH 1 STM-401 NEW FOURTH STM-2026	0	2	36	40	5	83	514A	3.5	1	0	0	68	0	69	4B11	3.8	1	2	36	108	5	152	514D	3.6

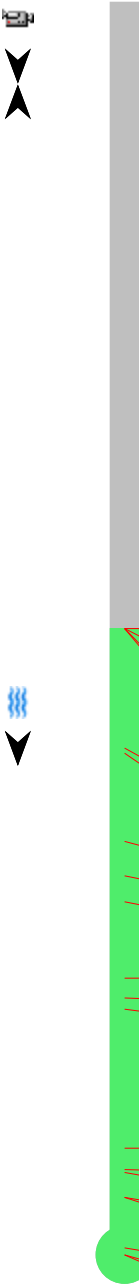


Upstream MH NEW FOURTH 1 STM	Downstream MH 401 NEW FOURTH STM	Size 10	Material Polyethylene	Total Length 88	City FAIRPORT HARBOR
Surveyor's Name M.Crawford	Certificate Number U735286	Street Address NEW FOURTH	Location Details		
Direction Upstream	Purpose Routine Assessment	Weather Dry	Date 8/11/2026	Time 1:59 AM	Length Surveyed 88
Additional Information 10"					

NEW FOURTH 1 STM

Ftg. Code Description

Pct. Position Cont. Comment



88.0 MSA Survey Abandoned

88.0 XP Pipe Collapsed

88.0 FM Fracture Multiple

88.0 DSGV Deposits Settled: Gravel

71.2 CM Crack Multiple

70.5 FM Fracture Multiple

58.1 FM Fracture Multiple

53.3 FM Fracture Multiple

49.6 FM Fracture Multiple

38.9 FM Fracture Multiple

36.1 FM Fracture Multiple

34.5 FM Fracture Multiple

15.0 RFJ Roots, Fine: Joint

12.0 CM Crack Multiple

11.6 RFJ Roots, Fine: Joint

8.1 MMC Material Change

8.1 JOL Joint Offset (displaced): Large

1.0 DSGV Deposits Settled: Gravel

0.0 MWL Water Level

0.0 AMH Access Point - Manhole

75

25

12 to 12

3 to 9

12 to 12

7 to 5

7 to 5

7 to 5

7 to 5

7 to 5

7 to 5

12 to 4

F04

F01

F03

S04

F02

S03

S02

S01

UNABLE TO GET PASS COLLAPSE.  
ALL OTHEWR ACCESS POINTS  
COVERED BY CONSTRUCTION  
UNABLE TO GET PASS COLLAPSE.  
ALL OTHEWR ACCESS POINTS  
COVERED BY CONSTRUCTION

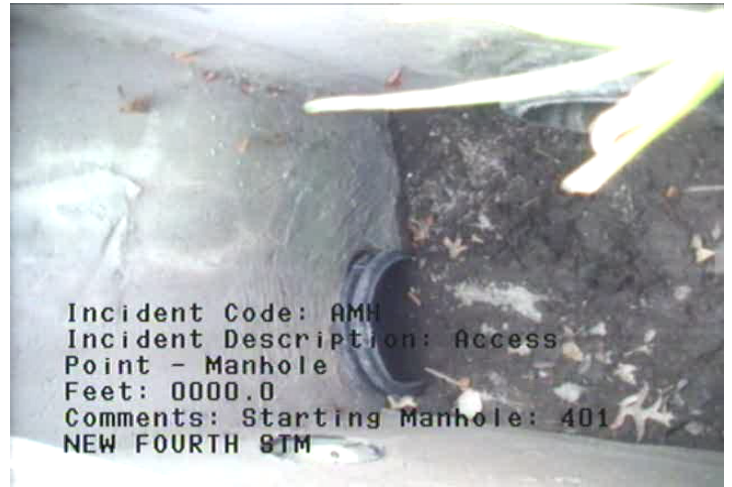
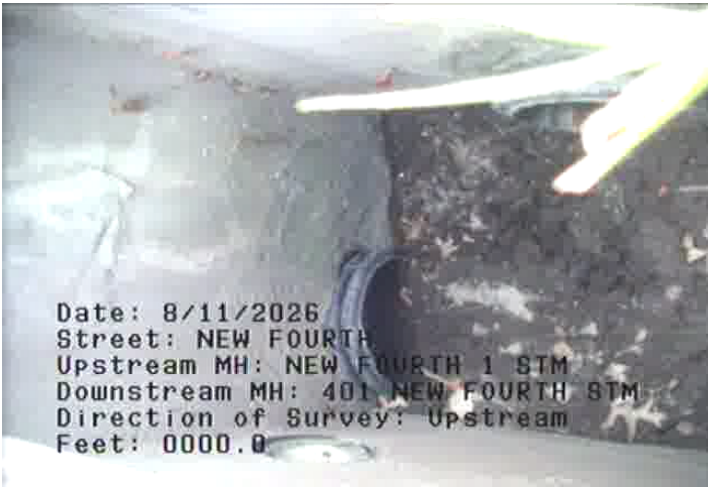
VCP

Starting Manhole: 401 NEW FOURTH  
STM



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<b>Upstream MH</b> NEW FOURTH 1 STM	<b>Downstream MH</b> 401 NEW FOURTH STM	<b>Size</b> 10	<b>Material</b> Polyethylene	<b>Total Length</b> 88	<b>City</b> FAIRPORT HARBOR
<b>Surveyor's Name</b> M.Crawford	<b>Certificate Number</b> U735286	<b>Street Address</b> NEW FOURTH		<b>Location Details</b>	
<b>Direction</b> Upstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 8/11/2026	<b>Time</b> 1:59 AM	<b>Length Surveyed</b> 88
<b>Additional Information</b> 10"					



AMH - Access Point - Manhole @ 0.0 ft.  
Starting Manhole: 401 NEW FOURTH STM

MWL - Water Level @ 0.0 ft.



DSGV - Deposits Settled: Gravel @ 1.0 ft.

JOL - Joint Offset (displaced): Large @ 8.1 ft.





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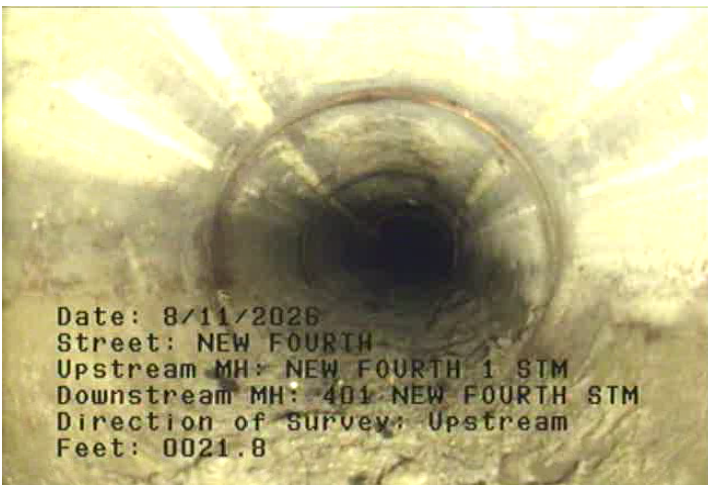
<b>Upstream MH</b> NEW FOURTH 1 STM	<b>Downstream MH</b> 401 NEW FOURTH STM	<b>Size</b> 10	<b>Material</b> Polyethylene	<b>Total Length</b> 88	<b>City</b> FAIRPORT HARBOR
<b>Surveyor's Name</b> M.Crawford	<b>Certificate Number</b> U735286	<b>Street Address</b> NEW FOURTH		<b>Location Details</b>	
<b>Direction</b> Upstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 8/11/2026	<b>Time</b> 1:59 AM	<b>Length Surveyed</b> 88
<b>Additional Information</b> 10"					



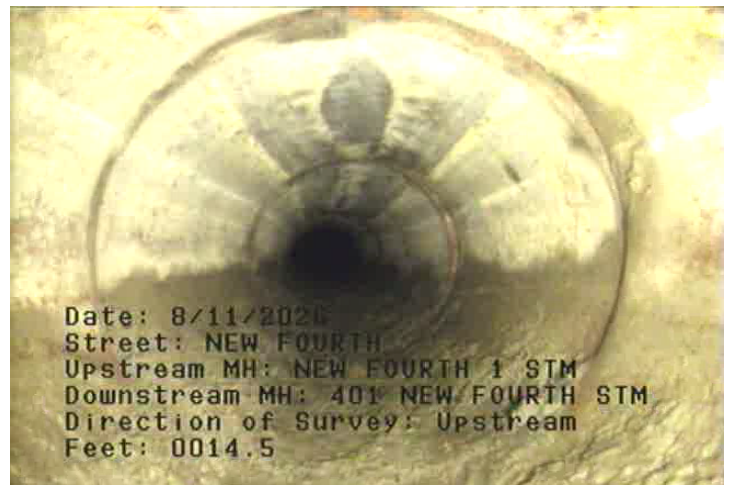
MMC - Material Change @ 8.1 ft. VCP



RFJ - Roots, Fine: Joint @ 11.6 ft.



CM - Crack Multiple @ 12.0 ft.



RFJ - Roots, Fine: Joint @ 15.0 ft.



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<b>Upstream MH</b> NEW FOURTH 1 STM	<b>Downstream MH</b> 401 NEW FOURTH STM	<b>Size</b> 10	<b>Material</b> Polyethylene	<b>Total Length</b> 88	<b>City</b> FAIRPORT HARBOR
<b>Surveyor's Name</b> M.Crawford	<b>Certificate Number</b> U735286	<b>Street Address</b> NEW FOURTH		<b>Location Details</b>	
<b>Direction</b> Upstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 8/11/2026	<b>Time</b> 1:59 AM	<b>Length Surveyed</b> 88
<b>Additional Information</b> 10"					



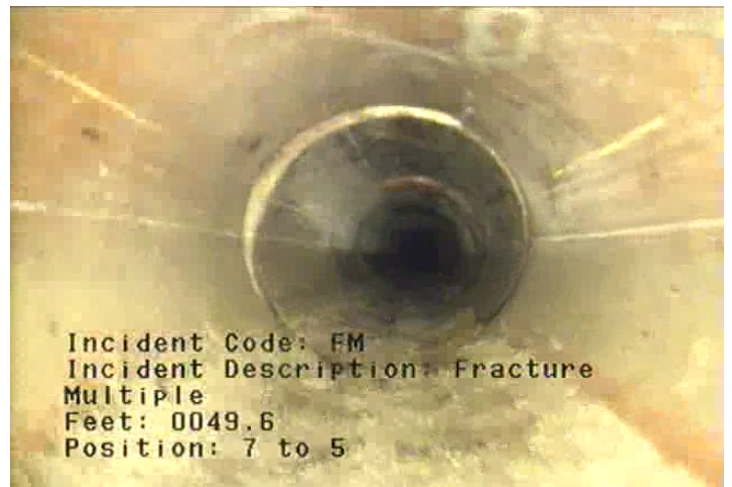
FM - Fracture Multiple @ 34.5 ft.



FM - Fracture Multiple @ 36.1 ft.



FM - Fracture Multiple @ 38.9 ft.



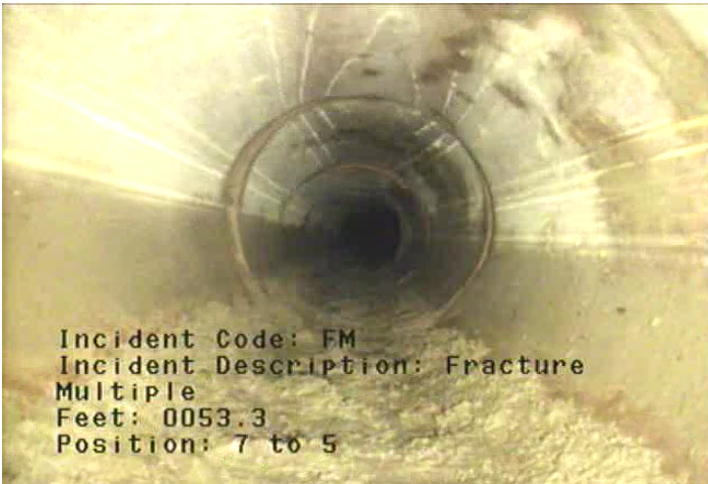
FM - Fracture Multiple @ 49.6 ft.





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<b>Upstream MH</b> NEW FOURTH 1 STM	<b>Downstream MH</b> 401 NEW FOURTH STM	<b>Size</b> 10	<b>Material</b> Polyethylene	<b>Total Length</b> 88	<b>City</b> FAIRPORT HARBOR
<b>Surveyor's Name</b> M.Crawford	<b>Certificate Number</b> U735286	<b>Street Address</b> NEW FOURTH		<b>Location Details</b>	
<b>Direction</b> Upstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 8/11/2026	<b>Time</b> 1:59 AM	<b>Length Surveyed</b> 88
<b>Additional Information</b> 10"					



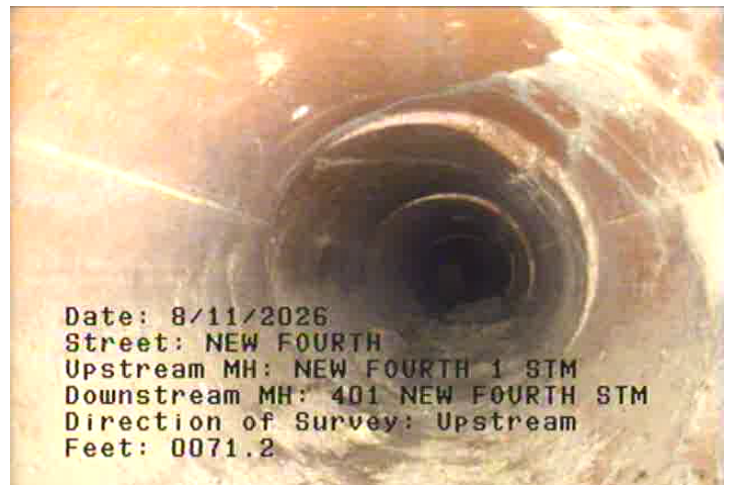
FM - Fracture Multiple @ 53.3 ft.



FM - Fracture Multiple @ 58.1 ft.



FM - Fracture Multiple @ 70.5 ft.



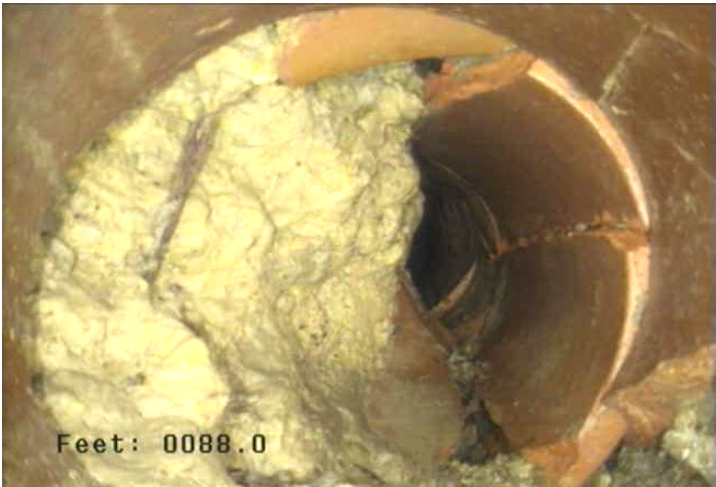
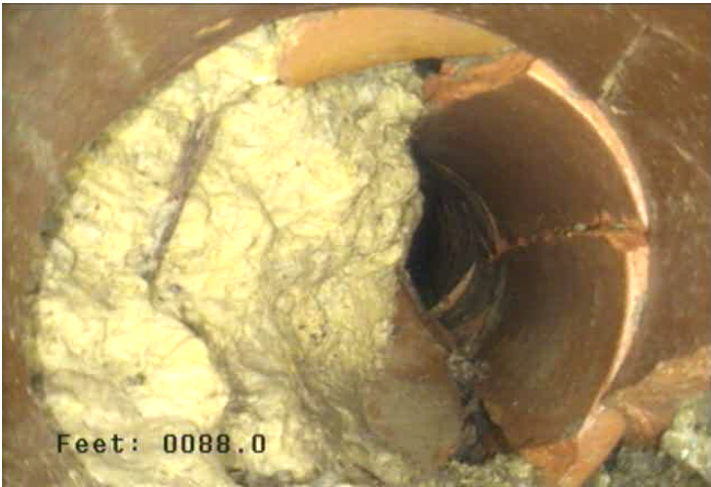
CM - Crack Multiple @ 71.2 ft.



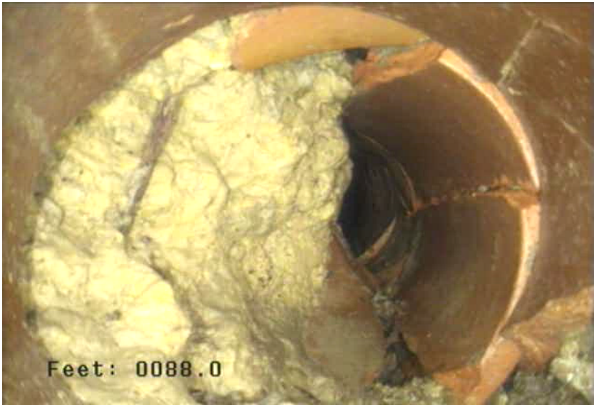


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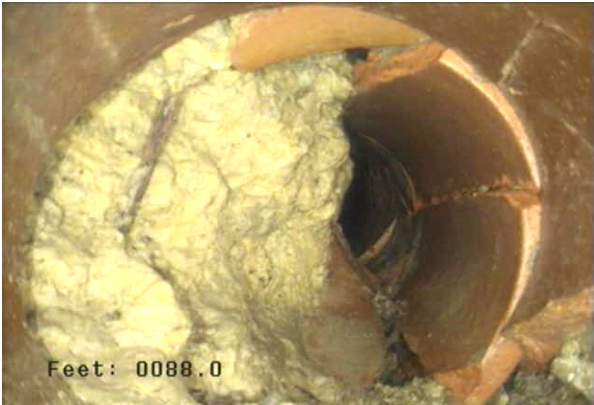
Upstream MH NEW FOURTH 1 STM	Downstream MH 401 NEW FOURTH STM	Size 10	Material Polyethylene	Total Length 88	City FAIRPORT HARBOR
Surveyor's Name M.Crawford	Certificate Number U735286	Street Address NEW FOURTH	Location Details		
Direction Upstream	Purpose Routine Assessment	Weather Dry	Date 8/11/2026	Time 1:59 AM	Length Surveyed 88
Additional Information 10"					



DSGV - Deposits Settled: Gravel @ 88.0 ft. FM - Fracture Multiple @ 88.0 ft.



XP - Pipe Collapsed @ 88.0 ft. UNABLE TO GET PASS COLLAPSE. ALL OTHEWR ACCESS POINTS COVERED BY CONSTRUCTION



MSA - Survey Abandoned @ 88.0 ft. UNABLE TO GET PASS COLLAPSE. ALL OTHEWR ACCESS POINTS COVERED BY CONSTRUCTION