

PACP Report with Pipe Run and Incident Snapshots

Surveyed by: ANDREW		Certificate number: T-507-4975		Owner: CITY OF MARION		Customer:		Drainage area:		P/O number:		Sheet number:							
Pipe segment ref.: MH4_MH3				Start date/time: 20240627 10:30		Street: 1432 HOLLAND RD.				City: MARION, OHIO									
Location details:				Upstream MH No: MH4				Rim to invert:		Grade to invert:		Rim to grade:							
Pipe use: CB		Direction: D		Flow control:		Downstream MH No: MH3				Rim to invert:		Grade to invert:		Rim to grade:					
Height: 72 in.		Width:		Shape: C		Material: BR		Lining method:		Pipe joint length:		Total length: 1,329.100 ft.		Length surveyed: 1,329.100 ft.		Purpose: B		Sewer category:	
Media label:				Pre-cleaning: N		Date cleaned:		Weather: 1		Location code: C		Pressure value:							
Project name: ROCK SWALE 72 IN INSPECTION				Additional info:															

Grade	Structural:					O&M:					Overall:	
	Amount of Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Amount of Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index
1	0	0	972	5F41	3.3	1	1	42	5143	2.6	1,014	3.2
2	0	0				9	18					
3	261	783				2	6					
4	1	4				3	12					
5	37	185				1	5					

Observations

Distance	Video Ref.	PACP Code	Continuous	S/M/L	Value Inches (mm)		%	Joint	Circumferential Location		Rating	Image Ref.	Remarks
					1st	2nd			At/From	To			
0.0 ft.	00:00:05	AMH						<input type="checkbox"/>	/			ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-AMH at 0.0 ft.JPG	MH4
0.0 ft.	00:00:18	MWL					10	<input type="checkbox"/>	/			ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-MWL at 0.0 ft.JPG	
0.0 ft.	00:00:41	DR					10	<input type="checkbox"/>	/		5	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DR at 0.0 ft.JPG	
39.8 ft.	00:02:00	TB			4.000			<input type="checkbox"/>	5 /			ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-TB at 39.8 ft.JPG	IN FLOW LINE
42.8 ft.	00:02:27	MMM	S01	M				<input type="checkbox"/>	5 / 7		3	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-MMM at 42.8 ft.JPG	
42.9 ft.	00:02:58	MWM					20	<input type="checkbox"/>	/			ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-MWM at 42.9 ft.JPG	
83.0 ft.	00:03:33	DB						<input type="checkbox"/>	7 /		3	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DB at 83.0 ft.JPG	
83.0 ft.	00:03:48	VC						<input type="checkbox"/>	/		1	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-VC at 83.0 ft.JPG	

Observations

Distance	Video Ref.	PACP Code	Continuous	S/M/L	Value Inches (mm)		%	Joint	Circumferential Location		Rating	Image Ref.	Remarks
					1st	2nd			At/From	To			
96.3 ft.	00:04:06	TBD			4.000			<input type="checkbox"/>	5 /		3	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-TBD at 96.3 ft.JPG	IN FLOW AND FULL OF DEBRIS
134.3 ft.	00:04:57	RFB						<input type="checkbox"/>	9 /		2	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-RFB at 134.3 ft.JPG	
146.2 ft.	00:05:11	RFB						<input type="checkbox"/>	9 /		2	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-RFB at 146.2 ft.JPG	
155.1 ft.	00:05:28	RFB						<input type="checkbox"/>	3 / 5		2	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-RFB at 155.1 ft.JPG	
159.3 ft.	00:05:54	RFB						<input type="checkbox"/>	9 /		2	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-RFB at 159.3 ft.JPG	
160.8 ft.	00:06:05	RFB						<input type="checkbox"/>	3 /		2	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-RFB at 160.8 ft.JPG	
165.5 ft.	00:06:16	RFB						<input type="checkbox"/>	9 /		2	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-RFB at 165.5 ft.JPG	
165.7 ft.	00:06:25	RMB					5	<input type="checkbox"/>	4 /		4	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-RMB at 165.7 ft.JPG	LESS THAN 5%

Observations

Distance	Video Ref.	PACP Code	Continuous	S/M/L	Value Inches (mm)		%	Joint	Circumferential Location		Rating	Image Ref.	Remarks
					1st	2nd			At/From	To			
168.7 ft.	00:06:59	TBD			8.000			<input type="checkbox"/>	10 /		3	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-TBD at 168.7 ft.JPG	BLOCKED BY BRICKS 10-2
169.4 ft.	00:07:24	HVV						<input type="checkbox"/>	10 /		5	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-HVV at 169.4 ft.JPG	10" OR MORE DEEP
169.5 ft.	00:07:41	DB						<input type="checkbox"/>	10 /		3	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DB at 169.5 ft.JPG	
169.7 ft.	00:07:51	RFB						<input type="checkbox"/>	9 /		2	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-RFB at 169.7 ft.JPG	
201.2 ft.	00:08:25	MGO						<input type="checkbox"/>	/			ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-MGO at 201.2 ft.JPG	DAE LESS THAN 5% 2-10 OCLOCK VARYING IN POSITION
299.1 ft.	00:09:58	DR					10	<input type="checkbox"/>	/		5	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DR at 299.1 ft.JPG	65"H X 72"W - 10' IN LENGTH
330.3 ft.	00:11:37	MMM		M				<input type="checkbox"/>	12 /		3	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-MMM at 330.3 ft.JPG	
436.4 ft.	00:12:52	IRB						<input type="checkbox"/>	2 /		4	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-IRB at 436.4 ft.JPG	

Observations

Distance	Video Ref.	PACP Code	Continuous	S/M/L	Value Inches (mm)		%	Joint	Circumferential Location		Rating	Image Ref.	Remarks
					1st	2nd			At/From	To			
441.4 ft.	00:13:08	TBA			8.000			<input type="checkbox"/>	1 /			ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-TBA at 441.4 ft.JPG	
441.4 ft.	00:13:22	HVV						<input type="checkbox"/>	2 /		5	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-HVV at 441.4 ft.JPG	4" DEEP
499.2 ft.	00:14:23	TB			8.000			<input type="checkbox"/>	10 /			ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-TB at 499.2 ft.JPG	
518.9 ft.	00:14:52	OBI					5	<input type="checkbox"/>	3 /		5	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-OBI at 518.9 ft.JPG	INTRUDING 2" 1/4" THICK
526.3 ft.	00:15:38	TB			8.000			<input type="checkbox"/>	10 /			ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-TB at 526.3 ft.JPG	
552.0 ft.	00:16:09	IRB						<input type="checkbox"/>	4 /		4	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-IRB at 552.0 ft.JPG	
601.9 ft.	00:16:51	OBM					5	<input checked="" type="checkbox"/>	6 /		2	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-OBM at 601.9 ft.JPG	
720.0 ft.	00:18:16	DR					5	<input type="checkbox"/>	/		4	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DR at 720.0 ft.JPG	

Observations

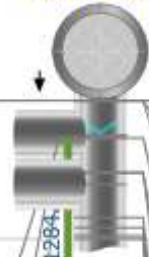
Distance	Video Ref.	PACP Code	Continuous	S/M/L	Value Inches (mm)		%	Joint	Circumferential Location		Rating	Image Ref.	Remarks
					1st	2nd			At/From	To			
750.6 ft.	00:18:58	DR	S02				10	<input type="checkbox"/>	/		5	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DR at 750.6 ft.JPG	67"H X 72"W
838.2 ft.	00:21:19	DR	F02				10	<input type="checkbox"/>	/		5	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DR at 838.2 ft.JPG	
864.0 ft.	00:21:53	DR	S03				10	<input type="checkbox"/>	/		5	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DR at 864.0 ft.JPG	67"H X 72"W
941.3 ft.	00:23:23	DR	F03				10	<input type="checkbox"/>	/		5	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DR at 941.3 ft.JPG	
1,152.7 ft.	00:25:42	DB						<input type="checkbox"/>	9 /		3	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-DB at 1_152.7 ft.JPG	
1,213.1 ft.	00:26:41	OBM					5	<input type="checkbox"/>	6 /		2	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-OBM at 1_213.1 ft.JPG	
1,327.6 ft.	00:28:02	MMM	F01	M				<input type="checkbox"/>	5 / 7		3	ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-MMM at 1_327.6 ft.JPG	
1,329.1 ft.	00:28:21	AMH						<input type="checkbox"/>	/			ROCK SWALE 72 IN INSPECTION-AMH 'MH4'-AMH 'MH3'-AMH at 1_329.1 ft.JPG	MH3

Mainline length: 1,329.100 ft.
 Surveyed length: 1,329.100 ft.

Omitted: 1169.8 ft.

Started at 0.0 ft. with flow
 on 6/27/2024 10:30:20 AM

AMH 'MH4'



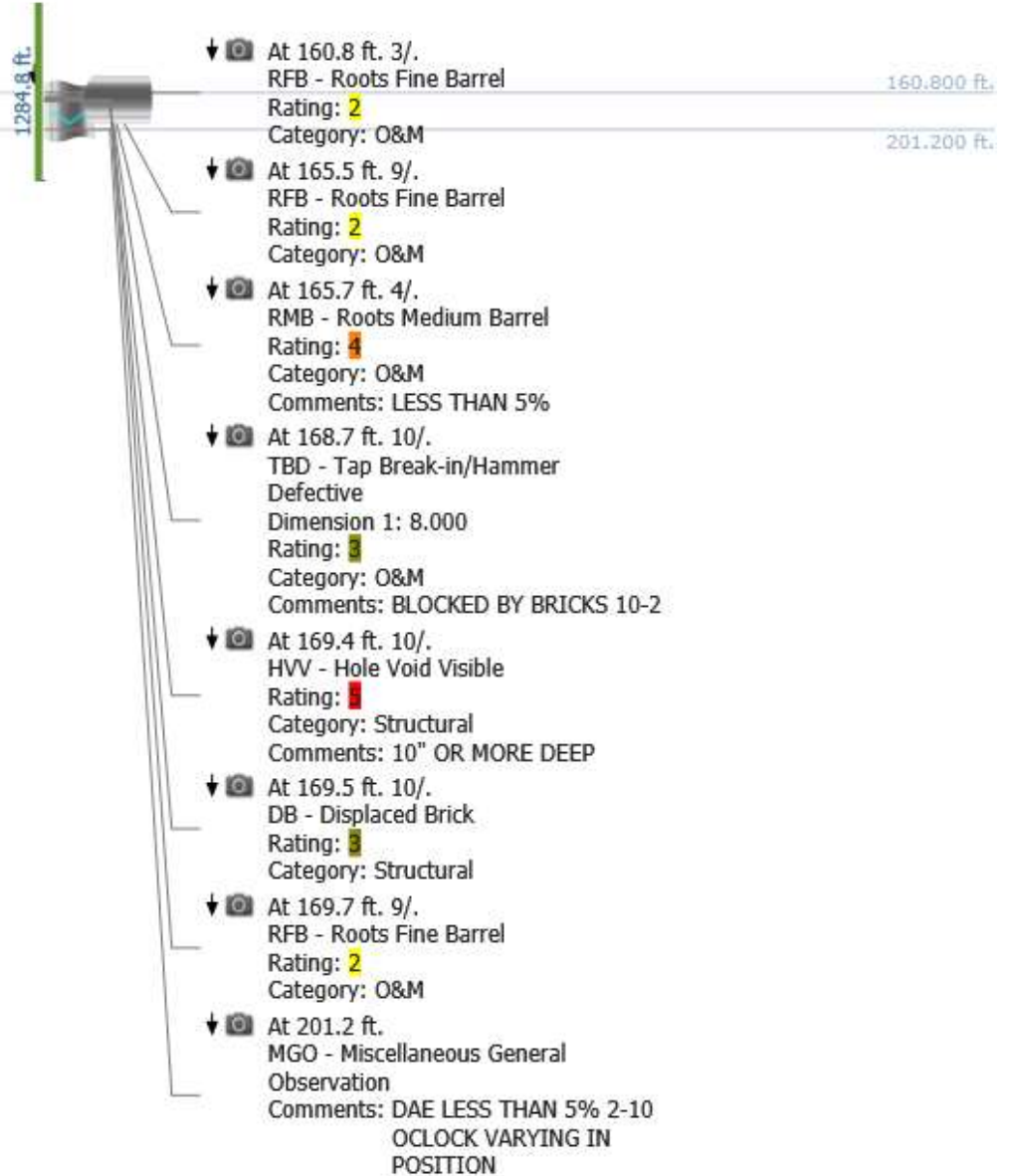
- At 39.8 ft. 5/.
 - TB - Tap Break-in/Hammer
 - Dimension 1: 4.000
 - Comments: IN FLOW LINE
- At 42.8 ft. 5/7
 - S01: MMM - Missing Mortar Medium
 - Rating: 3
 - Category: Structural
- At 96.3 ft. 5/.
 - TBD - Tap Break-in/Hammer Defective
 - Dimension 1: 4.000
 - Rating: 3
 - Category: O&M
 - Comments: IN FLOW AND FULL OF DEBRIS

- At 0.0 ft.
 - AMH - Manhole
 - Comments: MH4
- At 0.0 ft.
 - MWL - Miscellaneous Water Level
- At 0.0 ft.
 - DR - Deformed Rigid
 - Rating: 1
 - Category: Structural
- At 42.9 ft.
 - MWM - Miscellaneous Water Mark
- At 83.0 ft. 7/.
 - DB - Displaced Brick
 - Rating: 3
 - Category: Structural
- At 83.0 ft.
 - VC - Vermin Cockroach
 - Rating: 1
 - Category: O&M
- At 134.3 ft. 9/.
 - RFB - Roots Fine Barrel
 - Rating: 2
 - Category: O&M
- At 146.2 ft. 9/.
 - RFB - Roots Fine Barrel
 - Rating: 2
 - Category: O&M
- At 155.1 ft. 3/5
 - RFB - Roots Fine Barrel
 - Rating: 2
 - Category: O&M
- At 159.3 ft. 9/.
 - RFB - Roots Fine Barrel
 - Rating: 2
 - Category: O&M

0.000 ft.

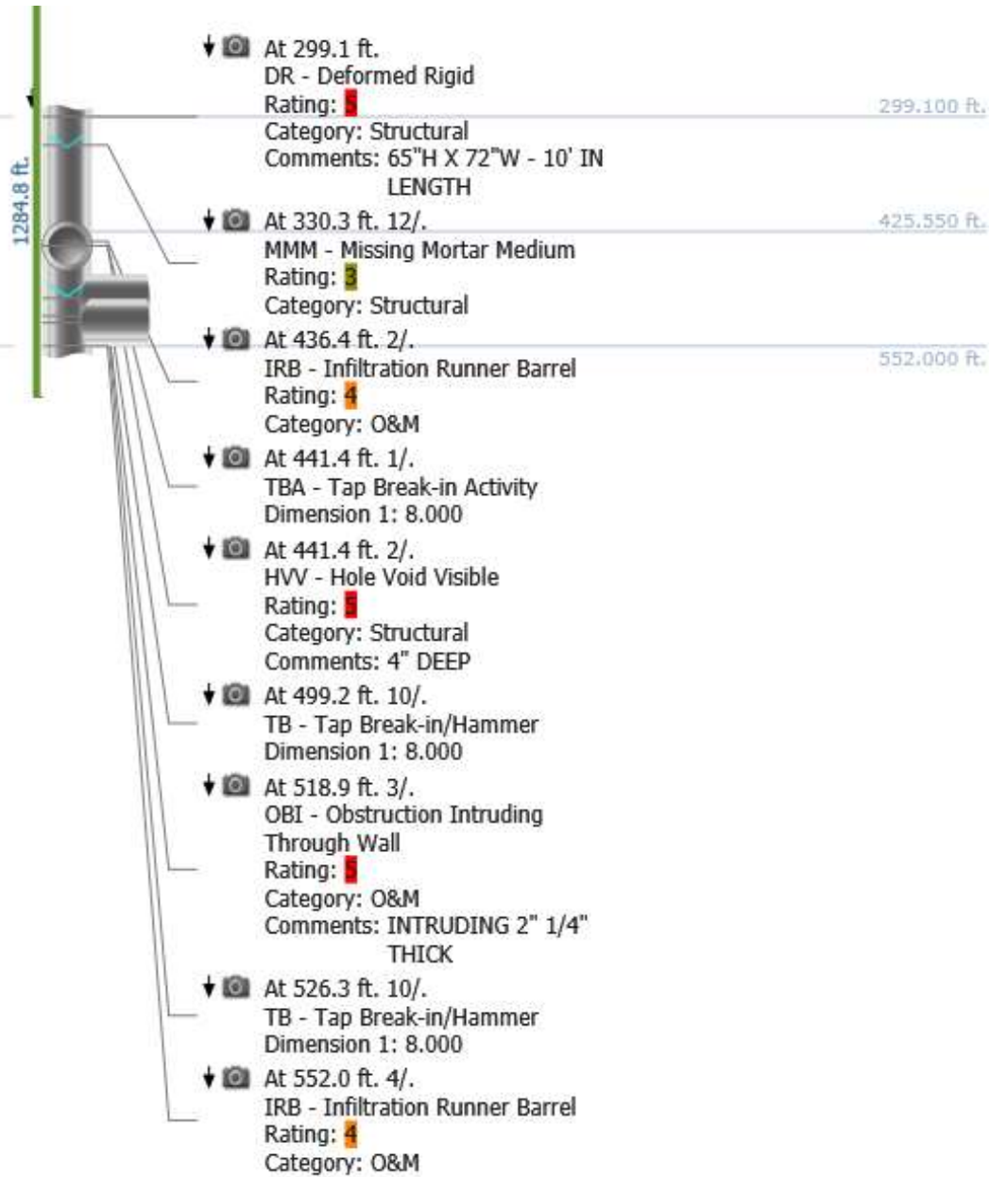
159.300 ft.

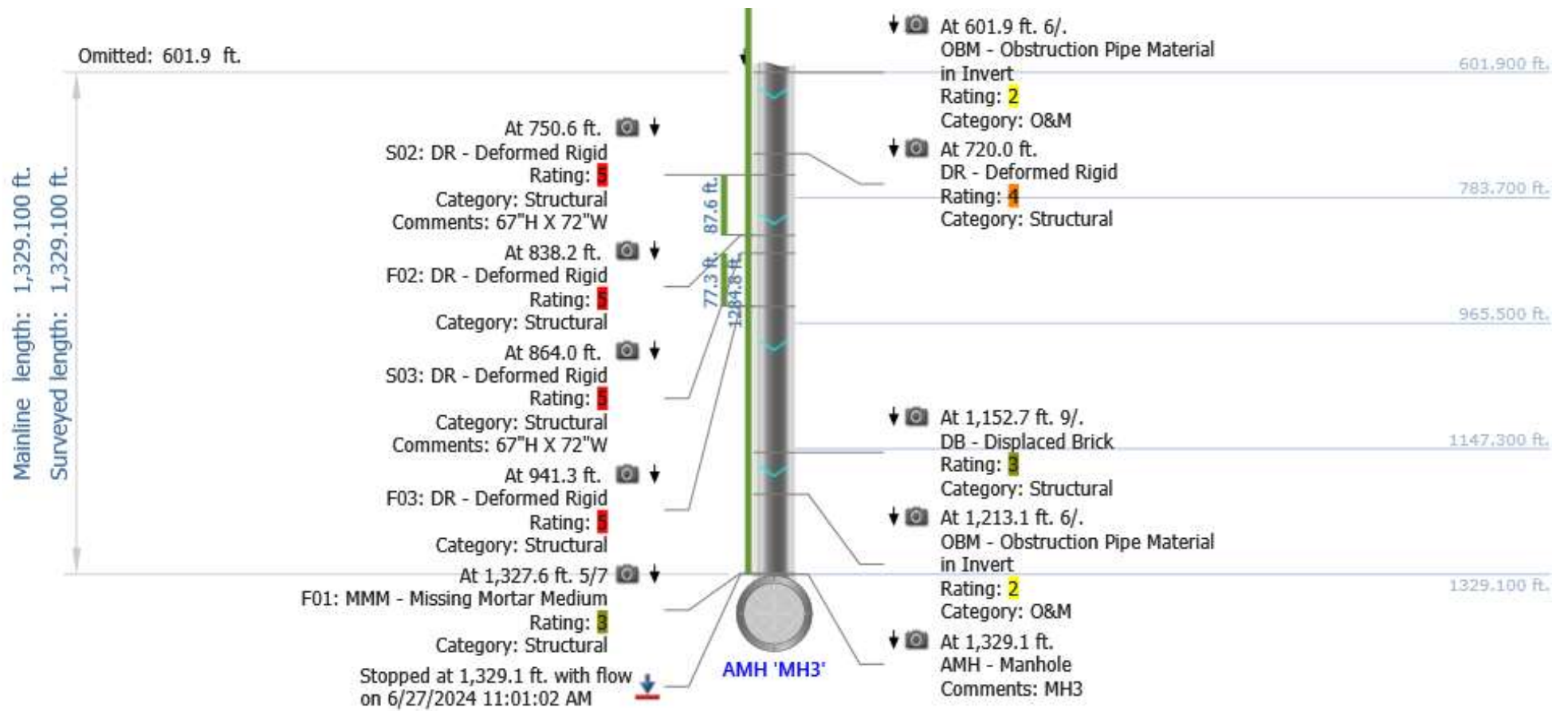
Mainline length: 1,329,100 ft.
 Surveyed length: 1,329,100 ft.
 Omitted: 160.8 ft.
 Omitted: 1127.9 ft.



Mainline length: 1,329.100 ft.
 Surveyed length: 1,329.100 ft.
 Omitted: 299.1 ft.

Omitted: 777.1 ft.





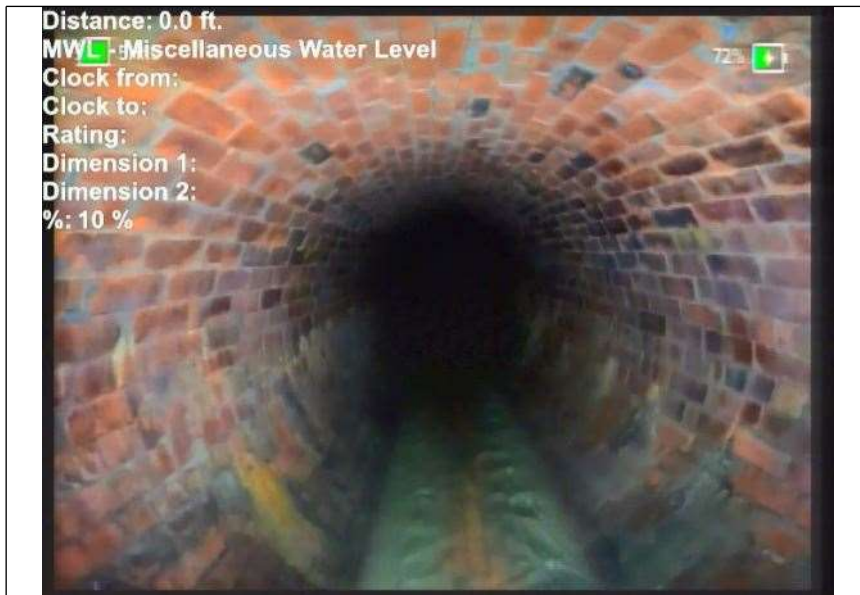
Photos



At: 0 ft. AMH - Manhole
Joint: No MH4



At: 0 ft. AMH - Manhole
Joint: No MH4



At: 0 ft. MWL - Miscellaneous Water Level
Joint: No 10 %



At: 0 ft. DR - Deformed Rigid
Joint: No 10 %

Photos



At: 39. TB - Tap Break-in/Hammer
7999992370
605 ft. 5/.

Joint: No IN FLOW LINE



At: 42. MMM - Missing Mortar Medium
7999992370
605 ft. 5/7

Joint: No

Photos



At: 42. MWM - Miscellaneous Water Mark
9000015258
789 ft.

Joint: No 20 %



At: 83 ft. 7/. DB - Displaced Brick

Joint: No



At: 83 ft. VC - Vermin Cockroach

Joint: No

Photos



At: 96. TBD - Tap Break-in/Hammer Defective
3000030517
578 ft. 5/.

Joint: No IN FLOW AND FULL OF DEBRIS



At: 134. RFB - Roots Fine Barrel
3000030517
58 ft. 9/.

Joint: No

Photos



At: 146. RFB - Roots Fine Barrel
1999969482
42 ft. 9/.

Joint: No



At: 155. RFB - Roots Fine Barrel
1000061035
16 ft. 3/5

Joint: No

Photos



At: 159. RFB - Roots Fine Barrel
3000030517
58 ft. 9/.

Joint: No



At: 160. RFB - Roots Fine Barrel
8000030517
58 ft. 3/.

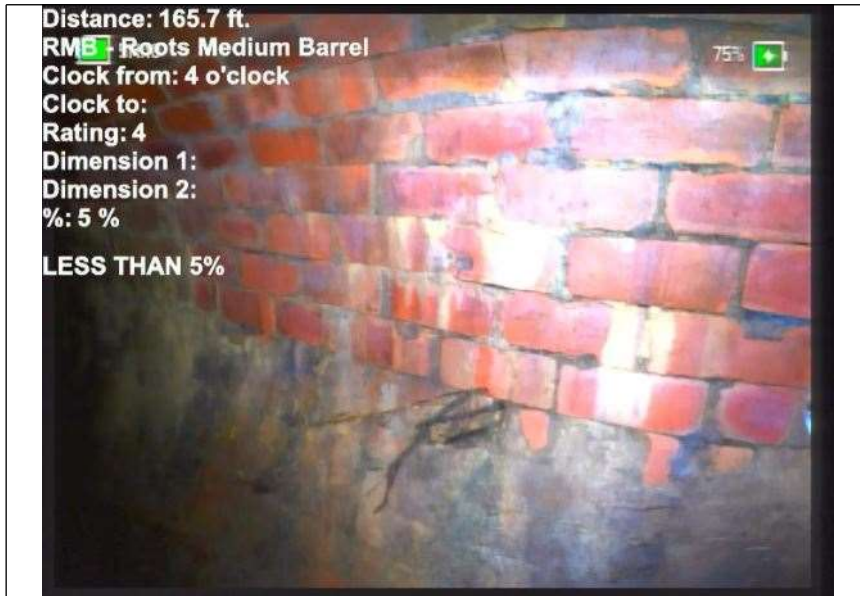
Joint: No



At: 165.5 ft. 9/. RFB - Roots Fine Barrel

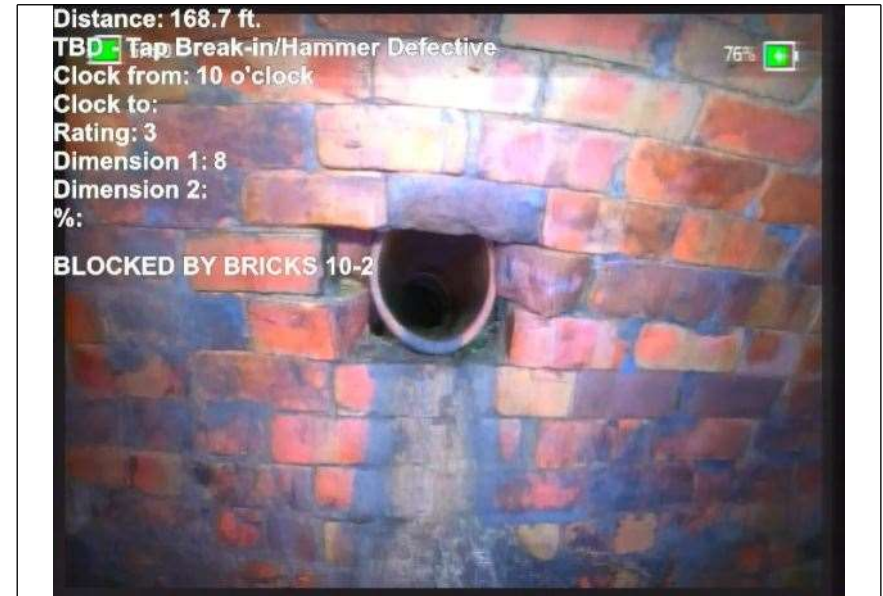
Joint: No

Photos



At: 165. RMB - Roots Medium Barrel
6999969482
42 ft. 4/.

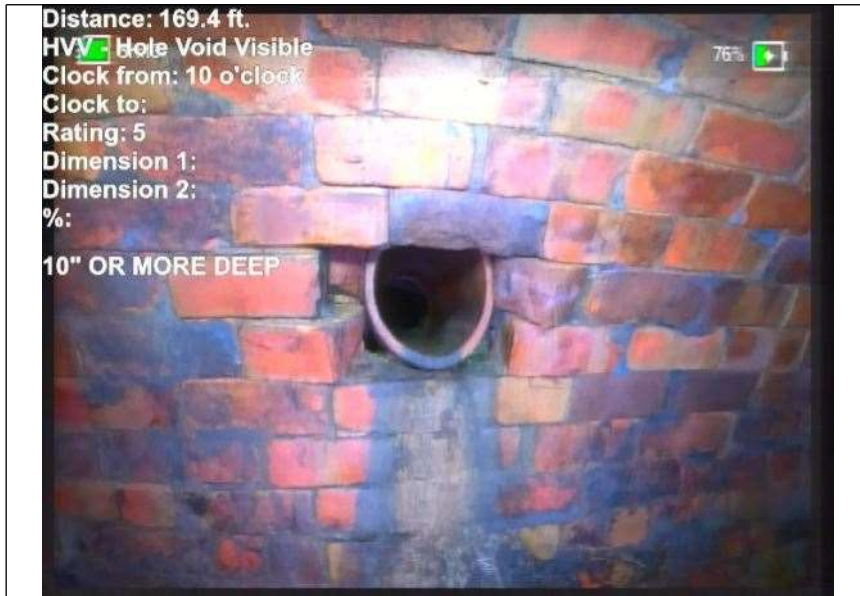
Joint: No 5 % LESS THAN 5%



At: 168. TBD - Tap Break-in/Hammer Defective
6999969482
42 ft. 10/.

Joint: No BLOCKED BY BRICKS 10-2

Photos



At: 169. 3999938964
HVV - Hole Void Visible

Joint: No 10" OR MORE DEEP



At: 169.5 ft. 10/. DB - Displaced Brick

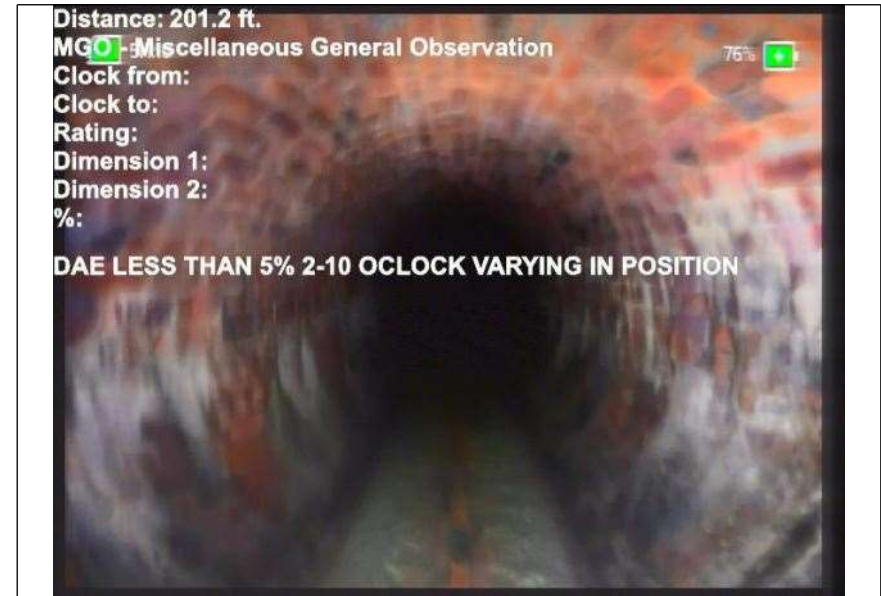
Joint: No

Photos



At: 169. RFB - Roots Fine Barrel
6999969482
42 ft. 9/.

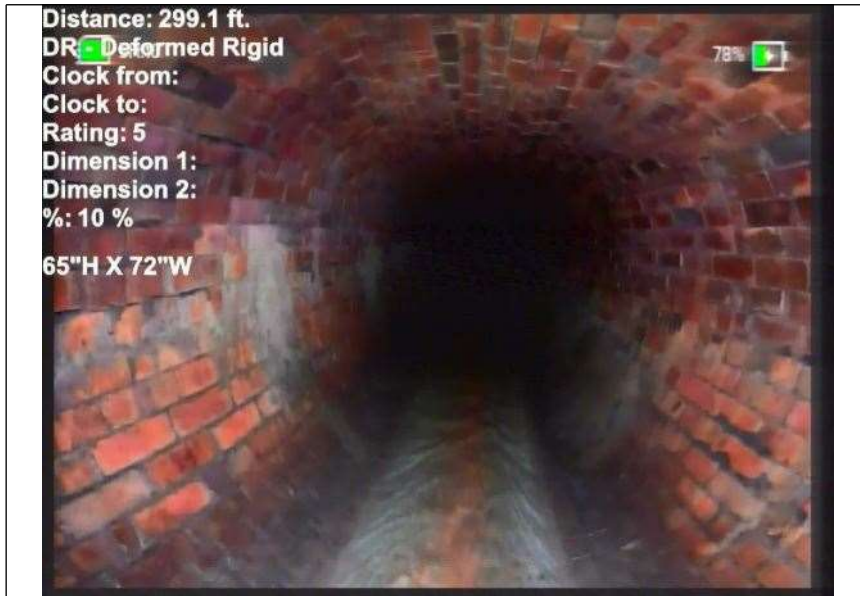
Joint: No



At: 201. MGO - Miscellaneous General Observation
1999969482
42 ft.

Joint: No DAE LESS THAN 5% 2-10 OCLOCK VARYING IN POSITION

Photos



At: 299. DR - Deformed Rigid
1000061035
16 ft.

Joint: No 10 % 65"H X 72"W - 10' IN LENGTH



At: 330. MMM - Missing Mortar Medium
2999877929
69 ft. 12/.

Joint: No

Photos



At: 436. IRB - Infiltration Runner Barrel
3999938964
84 ft. 2/.

Joint: No



At: 441. TBA - Tap Break-in Activity
3999938964
84 ft. 1/.

Joint: No

Photos



At: 441. HVV - Hole Void Visible
3999938964
84 ft. 2/.

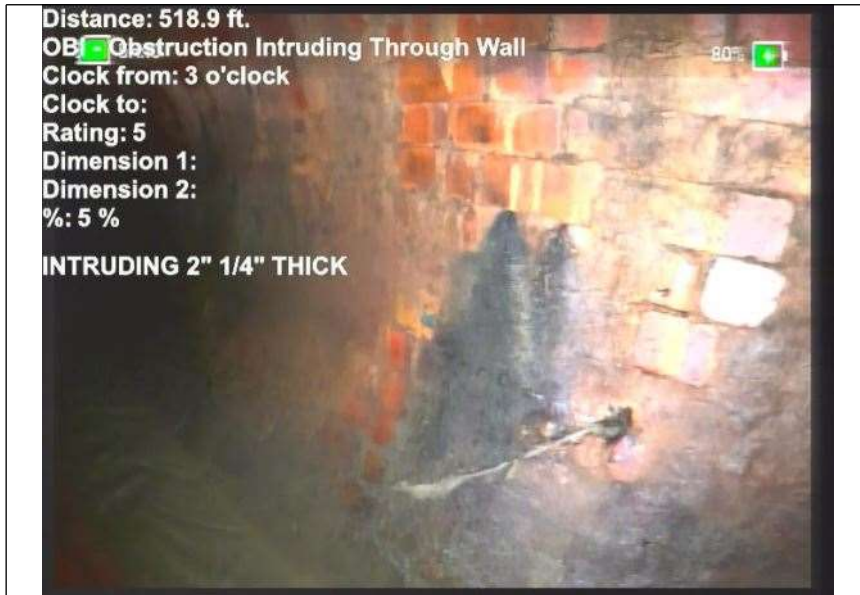
Joint: No 4" DEEP



At: 499. TB - Tap Break-in/Hammer
2000122070
31 ft. 10/.

Joint: No

Photos



At: 518. 9000244140
63 ft. 3/.

Joint: No 5 % INTRUDING 2" 1/4" THICK



At: 526. 2999877929
69 ft. 10/.

Joint: No



At: 552 ft. 4/. IRB - Infiltration Runner Barrel

Joint: No

Photos



At: 601.9 ft. OBM - Obstruction Pipe Material in Invert
9000244140
63 ft. 6/.

Joint: Yes 5 %



At: 720 ft. DR - Deformed Rigid
Joint: No 5 %

Photos



At: 750. DR - Deformed Rigid
5999755859
38 ft.

Joint: No 10 % 67"H X 72"W



At: 838. DR - Deformed Rigid
2000122070
31 ft.

Joint: No 10 %



At: 864 ft. DR - Deformed Rigid

Joint: No 10 % 67"H X 72"W

Photos



At: 941. DR - Deformed Rigid
2999877929
69 ft.

Joint: No 10 %



At: 1152. DB - Displaced Brick
6999511718
8 ft. 9/.

Joint: No

Photos



At: 1213. OBM - Obstruction Pipe Material in Invert
0999755859
4 ft. 6/.

Joint: No 5 %



At: 1327. MMM - Missing Mortar Medium
5999755859
4 ft. 5/7

Joint: No

Photos



At: 1329. AMH - Manhole
0999755859
4 ft.

Joint: No MH3