

Appendix A

Mystic Area CCTV Inspection Logs

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NWMCC INSPECTION REPORT

PACP Rating Description

1: Excellent Condition

Minor Defects - Failure unlikely in the foreseeable future

2: Good Condition

Defects that have not begun to deteriorate - Pipe unlikely to fail for at least 20 years.

3: Fair Condition

Moderate defects that will continue to deteriorate - Pipe may fail in 10-20 years.

4: Poor Condition

Severe Defects that will become Grade 5 defects within the foreseeable future - Pipe will probably fail in 5-10 years.

5: Immediate Attention

Defects require immediate attention - Pipe has failed or will likely fail within the next 5 years or sooner.

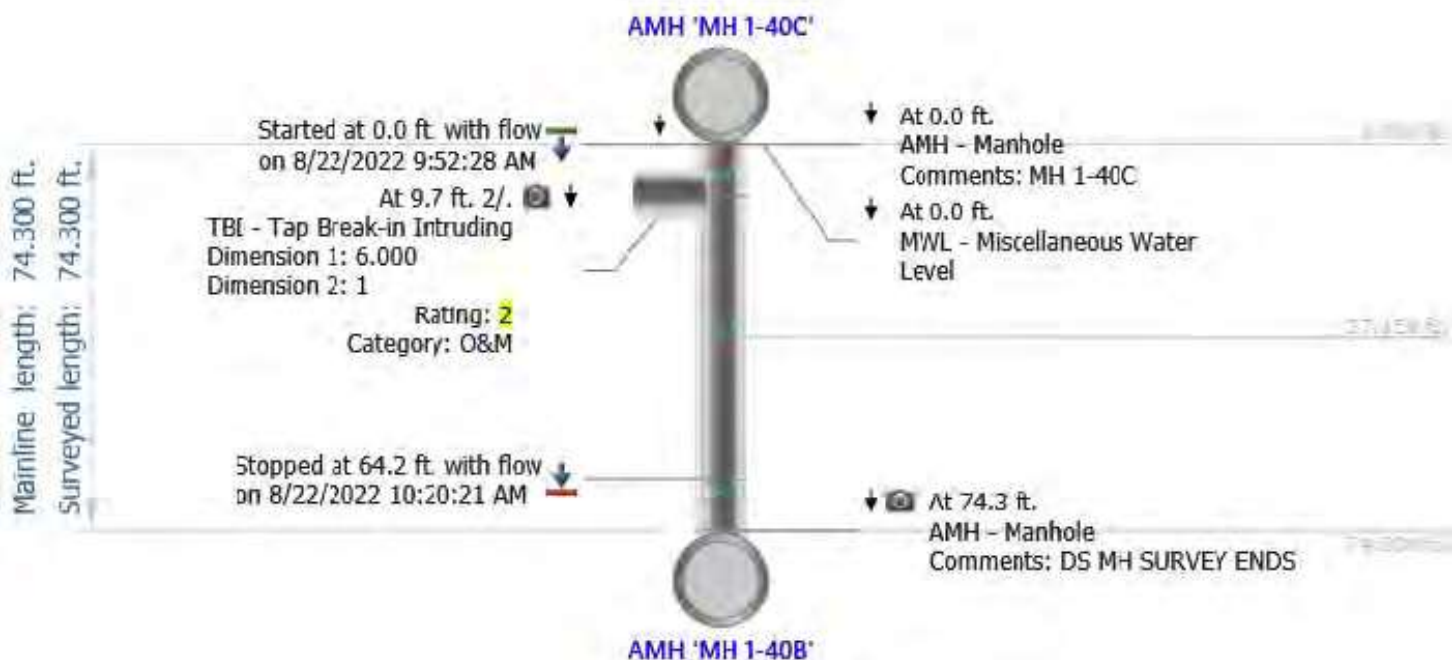


NWMCC INSPECTION REPORT

Start date/time: 20220822 09:52	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-40C 1-40B
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220822	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-40C	Downstream MH No: MH 1-40B	Direction: D	Total length: 74.300 ft.	Length surveyed: 74.300 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF Risk
1	0	0	0	0000	0.0	0	0	2	2100	2.0	2	2.0	2.1	
2	0	0				0	2							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220822 11:33

Pipe segment ref.:

1-40C 1-40B

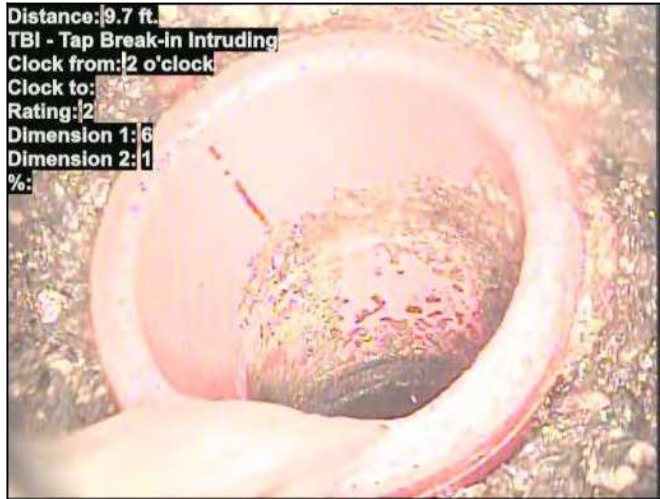


Photo: MH 1-40C-MH 1-40B-20220822-100925.JPG

At: 9.7 ft. 2/. TBI - Tap Break-in Intruding

Joint: Yes



Photo: MH 1-40C-MH 1-40B-20220822-101655.JPG

At: 74.3 ft. AMH - Manhole

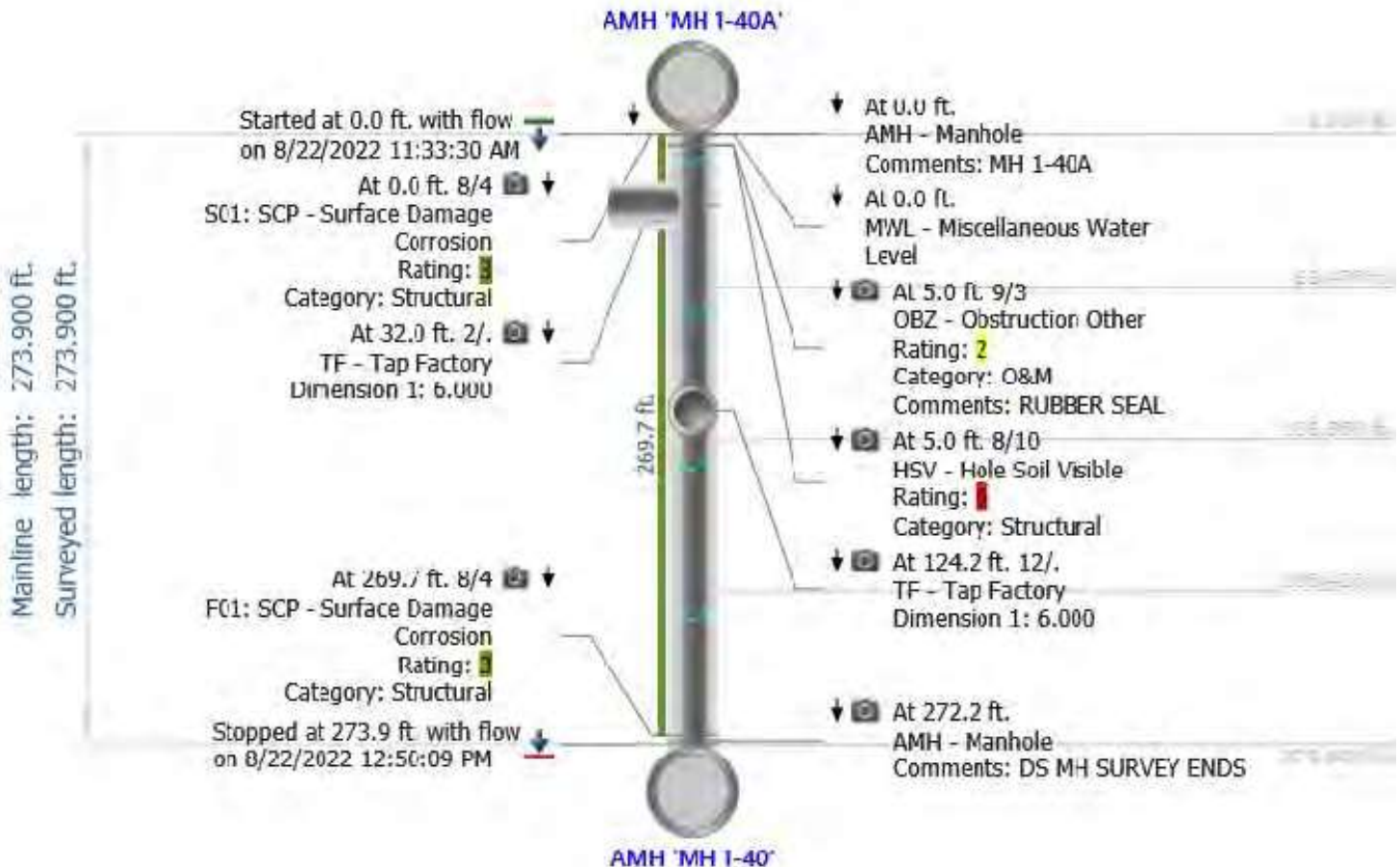
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220822 11:33	Weather: Light Rain	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-40A-1-40	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220822	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-40A	Downstream MH No: MH 1-40	Direction: D	Total length: 273.900 ft.	Length surveyed: 273.900 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	0	167	513I	3.0	0	0	2	2100	2.0	169	3.0	5.1	
2	0	0				0	2							
3	0	162				0	0							
4	0	0				0	0							
5	0	5				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220822 12:52

Pipe segment ref.:

1-40A-1-40



Photo: MH 1-40A-MH 1-40-20220822-115203.JPG

At: 0 ft. 8/4 SCP - Surface Damage Corrosion

Joint: Yes



Photo: MH 1-40A-MH 1-40-20220822-115422.JPG

At: 5 ft. 8/10 HSV - Hole Soil Visible

Joint: Yes



Photo: MH 1-40A-MH 1-40-20220822-115253.JPG

At: 5 ft. 9/3 OBZ - Obstruction Other

Joint: No 5 % RUBBER SEAL



Photo: MH 1-40A-MH 1-40-20220822-120150.JPG

At: 32 ft. 2/. TF - Tap Factory

Joint: No



Photo: MH 1-40A-MH 1-40-20220822-120536.JPG

At: 124.2 ft. 12/ TF - Tap Factory

Joint: No



Photo: MH 1-40A-MH 1-40-20220822-121204.JPG

At: 269.7 ft. 8/4 SCP - Surface Damage Corrosion

Joint: Yes



Photo: MH 1-40A-MH 1-40-20220822-121216.JPG

At: 272.2 ft. AMH - Manhole

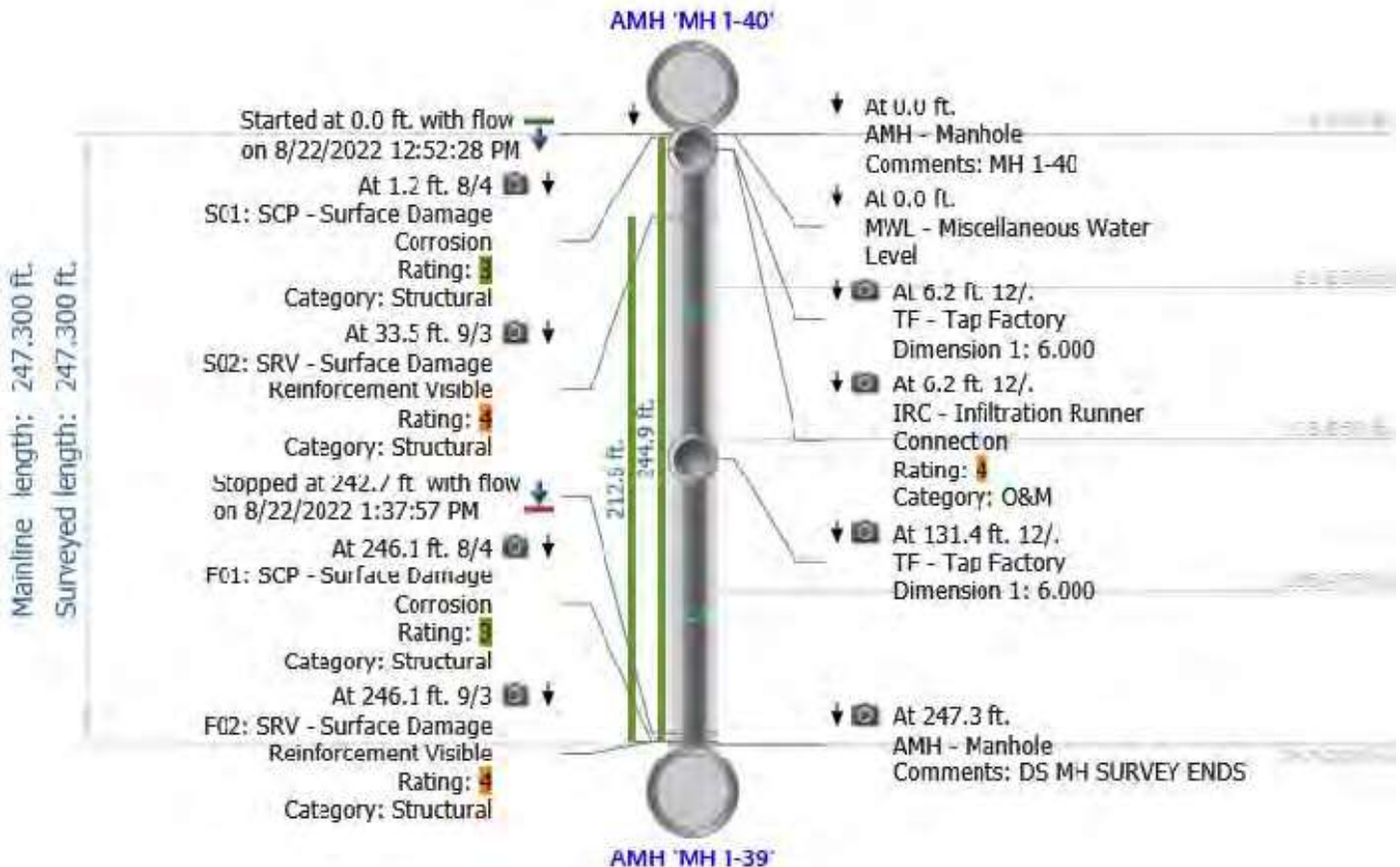
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220822 12:52	Weather: Light Rain	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-40-1-39
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220822	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-40	Downstream MH No: MH 1-39	Direction: D	Total length: 247.300 ft.	Length surveyed: 247.300 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	0	319	4G3H	3.5	0	0	4	4100	4.0	323	3.5	5.0	
2	0	0				0	0							
3	0	147				0	0							
4	0	172				0	4							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220823 09:06

Pipe segment ref.:

1-40-1-39



Photo: MH 1-40-MH 1-39-20220822-125611.JPG

At: 1.2 ft. 8/4 SCP - Surface Damage Corrosion

Joint: Yes

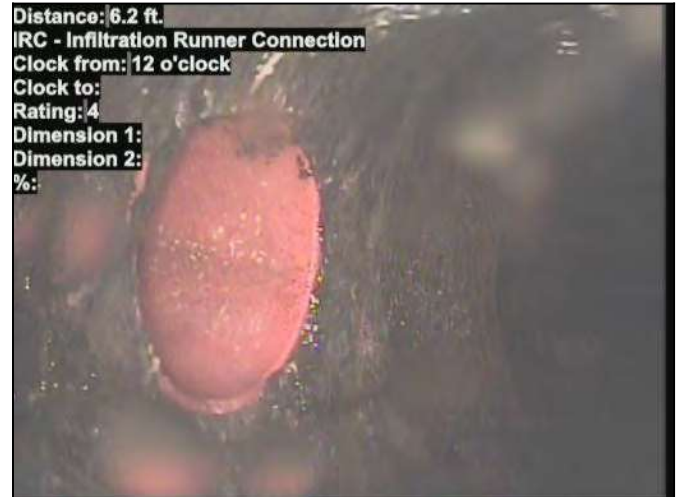


Photo: MH 1-40-MH 1-39-20220822-125710.JPG

At: 6.2 ft. 12/ IRC - Infiltration Runner Connection

Joint: No



Photo: MH 1-40-MH 1-39-20220822-125648.JPG

At: 6.2 ft. 12/ TF - Tap Factory

Joint: No



Photo: MH 1-40-MH 1-39-20220822-132024.JPG

At: 33.5 ft. 9/3 SRV - Surface Damage Reinforcement Visible

Joint: Yes



Distance: 131.4 ft.
 TF - Tap Factory
 Clock from: 12 o'clock
 Clock to:
 Rating:
 Dimension 1: 6
 Dimension 2:
 %:

Photo: MH 1-40-MH 1-39-20220822-132526.JPG

At: 131.4 ft. 12/. TF - Tap Factory

Joint: No



Distance: 246.1 ft.
 SCP - Surface Damage Corrosion
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 3
 Dimension 1:
 Dimension 2:
 %:

Photo: MH 1-40-MH 1-39-20220822-133552.JPG

At: 246.1 ft. 8/4 SCP - Surface Damage Corrosion

Joint: Yes



Distance: 246.1 ft.
 SRV - Surface Damage Reinforcement Visible
 Clock from: 9 o'clock
 Clock to: 3 o'clock
 Rating: 4
 Dimension 1:
 Dimension 2:
 %:

Photo: MH 1-40-MH 1-39-20220822-133603.JPG

At: 246.1 ft. 9/3 SRV - Surface Damage Reinforcement Visible

Joint: Yes



Distance: 247.3 ft.
 AMH - Manhole
 Clock from:
 Clock to:
 Rating:
 Dimension 1:
 Dimension 2:
 %:

DS MH SURVEY ENDS

Photo: MH 1-40-MH 1-39-20220822-133615.JPG

At: 247.3 ft. AMH - Manhole

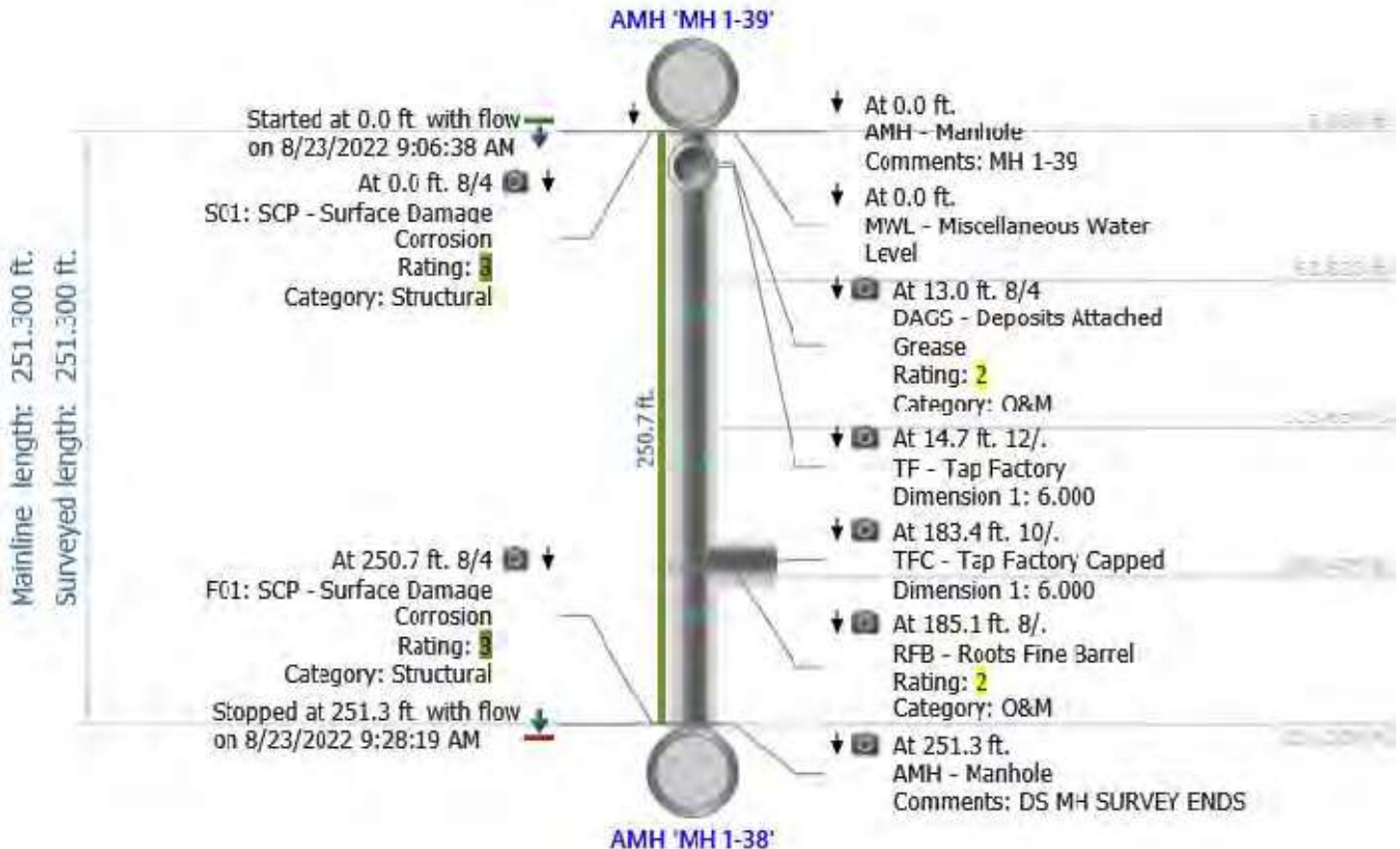
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220823 09:06	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-39 1-38	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220823	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-39	Downstream MH No: MH 1-38	Direction: D	Total length: 251.300 ft.	Length surveyed: 251.300 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:			Risk
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF	
1	0	0	150	3100	3.0	0	0	4	2200	2.0	154	3.0	4.0		
2	0	0				0	4								
3	0	150				0	0								
4	0	0				0	0								
5	0	0				0	0								



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220823 09:30

Pipe segment ref.:

1-39 1-38



Photo: MH 1-39-MH 1-38-20220823-090930.JPG

At: 0 ft. 8/4 SCP - Surface Damage Corrosion

Joint: Yes



Photo: MH 1-39-MH 1-38-20220823-091218.JPG

At: 13 ft. 8/4 DAGS - Deposits Attached Grease

Joint: Yes 5 %



Photo: MH 1-39-MH 1-38-20220823-091249.JPG

At: 14.7 ft. 12/ TF - Tap Factory

Joint: Yes



Photo: MH 1-39-MH 1-38-20220823-091951.JPG

At: 183.4 ft. 10/ TFC - Tap Factory Capped

Joint: No



Photo: MH 1-39-MH 1-38-20220823-092057_1.JPG

At: 185.1 ft. 8/. RFB - Roots Fine Barrel

Joint: No



Photo: MH 1-39-MH 1-38-20220823-092057.JPG

At: 185.1 ft. 8/. RFB - Roots Fine Barrel

Joint: No



Photo: MH 1-39-MH 1-38-20220823-092549.JPG

At: 250.7 ft. 8/4 SCP - Surface Damage Corrosion

Joint: Yes



Photo: MH 1-39-MH 1-38-20220823-092603.JPG

At: 251.3 ft. AMH - Manhole

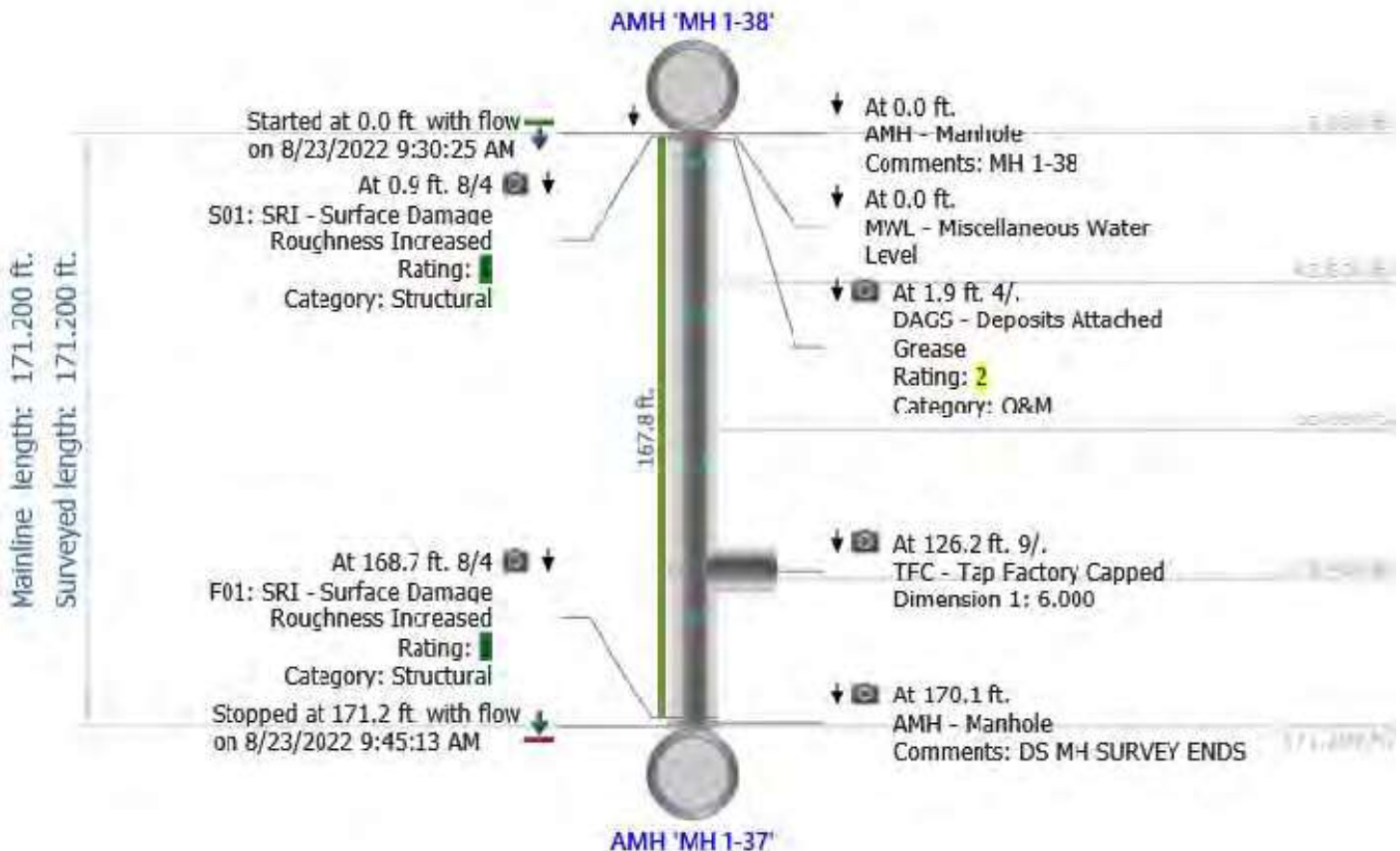
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220823 09:30	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-38 1-37	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-38	Downstream MH No: MH 1-37	Direction: D	Total length: 171.200 ft.	Length surveyed: 171.200 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF
1	0	34	34	1E00	1.0	0	0	2	2100	2.0	36	1.0	2.1	
2	0	0				0	2							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220823 09:45

Pipe segment ref.:

1-38 1-37



Photo: MH 1-38-MH 1-37-20220823-093446.JPG

At: 0.9 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-38-MH 1-37-20220823-093544.JPG

At: 1.9 ft. 4/. DAGS - Deposits Attached Grease

Joint: No 10 %



Photo: MH 1-38-MH 1-37-20220823-094029.JPG

At: 126.2 ft. 9/. TFC - Tap Factory Capped

Joint: No



Photo: MH 1-38-MH 1-37-20220823-094255.JPG

At: 168.7 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-38-MH 1-37-20220823-094307.JPG

At: 170.1 ft. AMH - Manhole

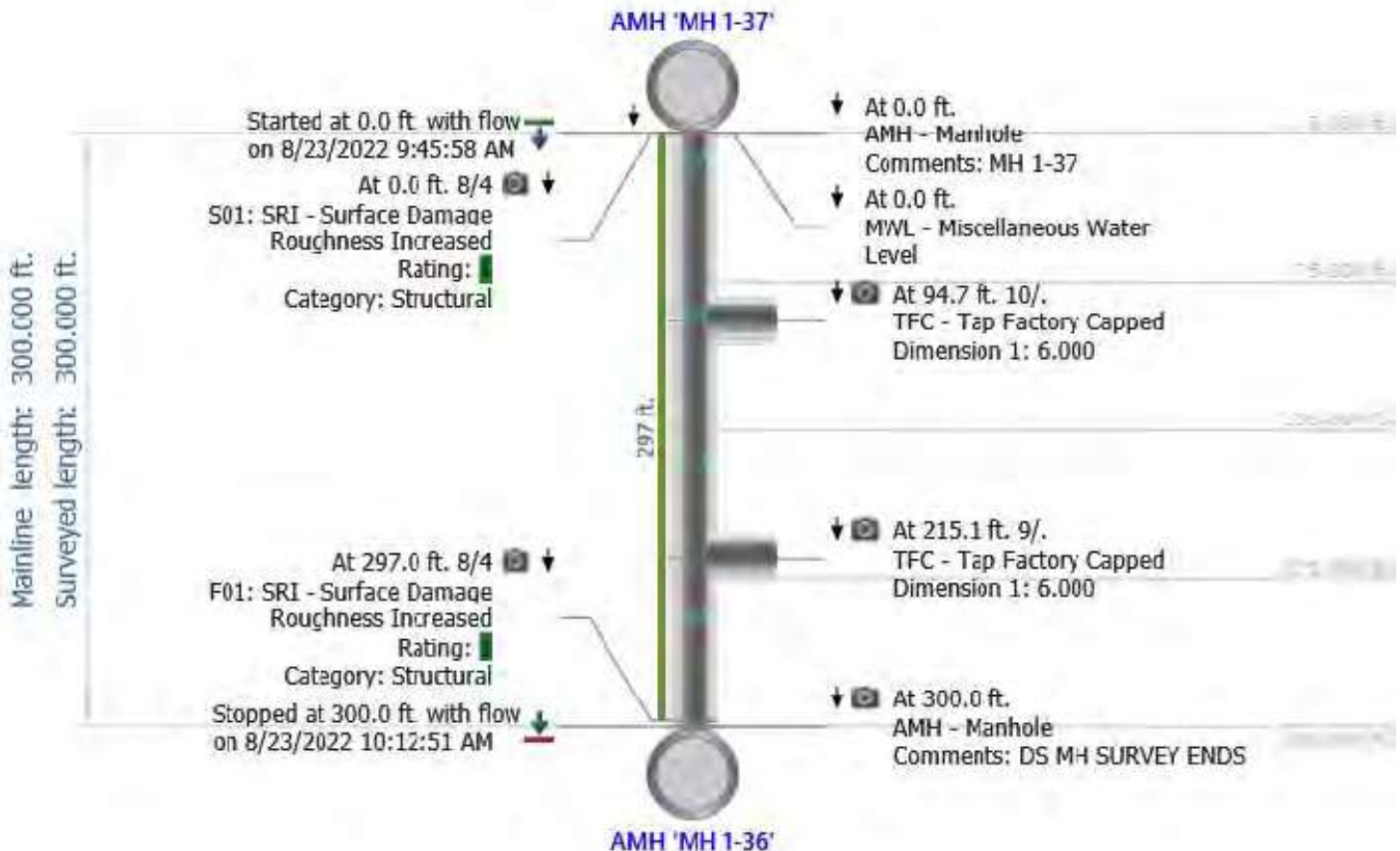
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220823 09:45	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-37 1-36	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220823	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-37	Downstream MH No: MH 1-36	Direction: D	Total length: 300.000 ft.	Length surveyed: 300.000 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	59	59	1J00	1.0	0	0	0	0000	0.0	59	1.0	2.0	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	GREENMANVILLE AVE	20220823 10:16	1-37 1-36



Distance: 0.0 ft.
SRI - Surface Damage Roughness Increased
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:

Photo: MH 1-37-MH 1-36-20220823-094656.JPG
At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Distance: 94.7 ft.
TFC - Tap Factory Capped
Clock from: 10 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-37-MH 1-36-20220823-095249.JPG
At: 94.7 ft. 10/. TFC - Tap Factory Capped
Joint: Yes



Distance: 215.1 ft.
TFC - Tap Factory Capped
Clock from: 9 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-37-MH 1-36-20220823-095815.JPG
At: 215.1 ft. 9/. TFC - Tap Factory Capped
Joint: No



Distance: 297.0 ft.
SRI - Surface Damage Roughness Increased
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:

Photo: MH 1-37-MH 1-36-20220823-100449.JPG
At: 297 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-37-MH 1-36-20220823-101228.JPG

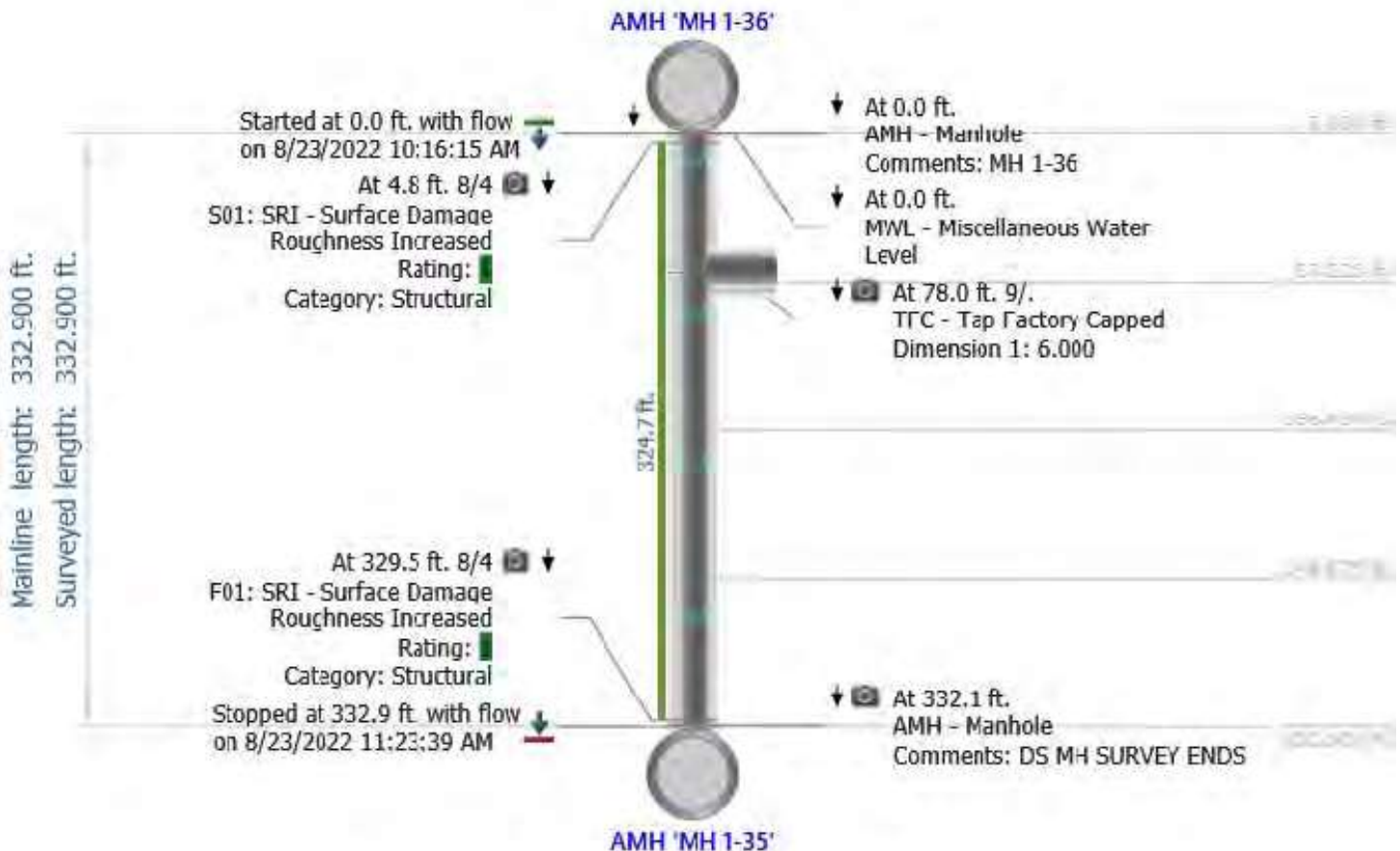
At: 300 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220823 10:16	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-36 1-35	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-36	Downstream MH No: MH 1-35	Direction: D	Total length: 332.900 ft.	Length surveyed: 332.900 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	65	65	1L00	1.0	0	0	0	0000	0.0	65	1.0	2.0	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	GREENMANVILLE AVE	20220823 11:25	1-36 1-35



Photo: MH 1-36-MH 1-35-20220823-110922.JPG
At: 4.8 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-36-MH 1-35-20220823-111229.JPG
At: 78 ft. 9/. TFC - Tap Factory Capped
Joint: No



Photo: MH 1-36-MH 1-35-20220823-112226.JPG
At: 329.5 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes

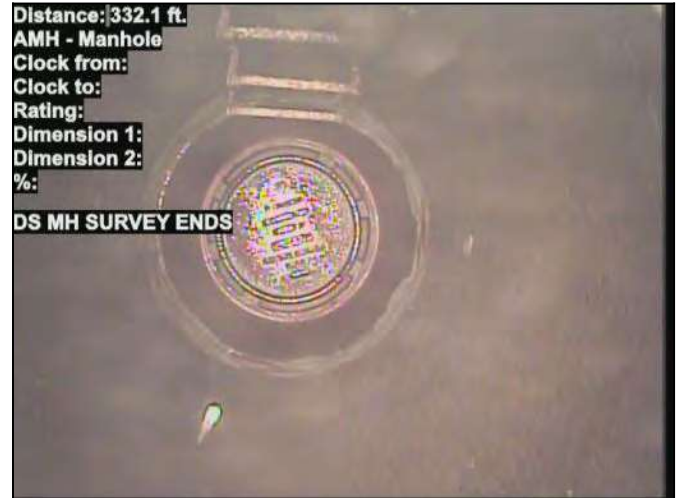


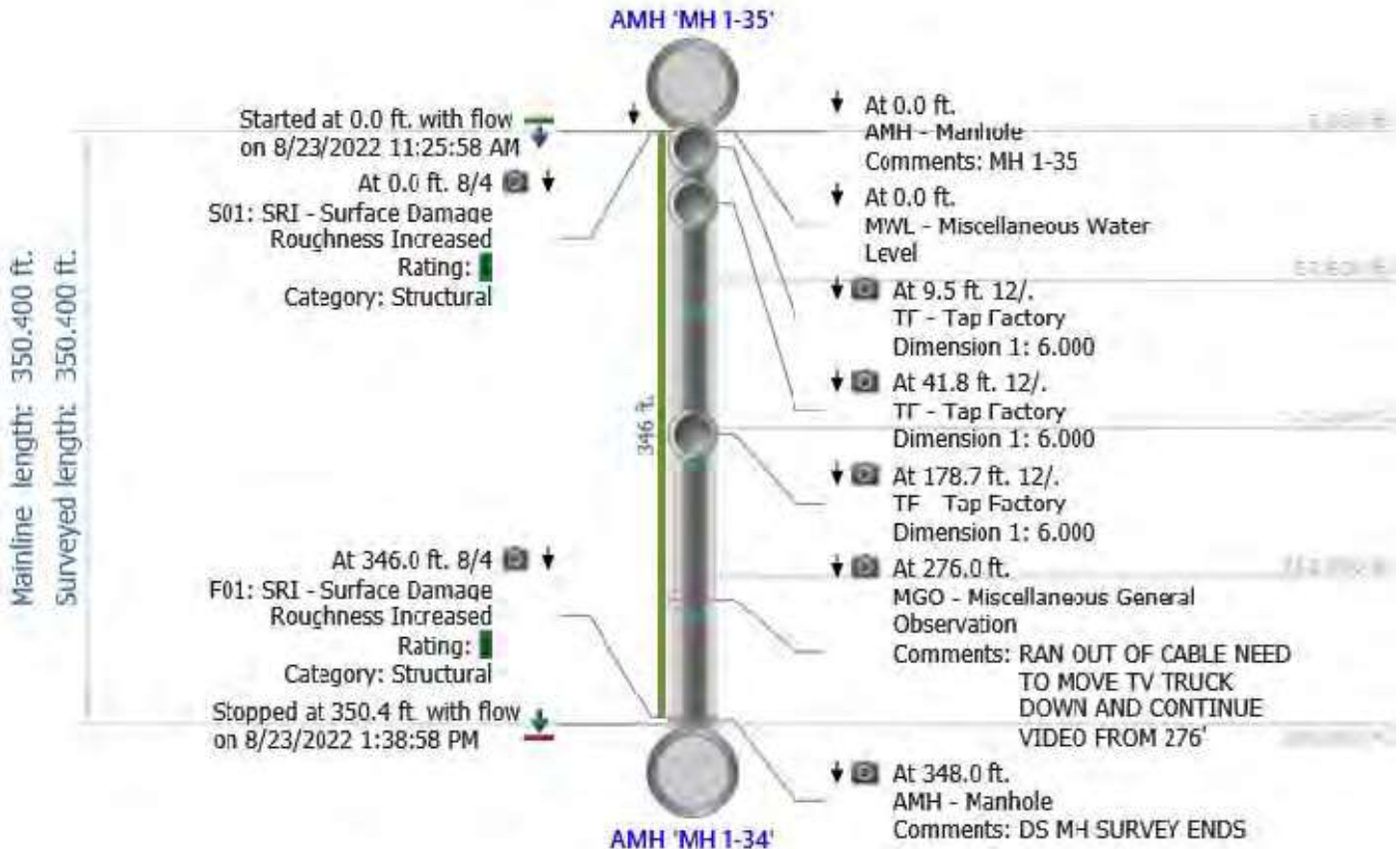
Photo: MH 1-36-MH 1-35-20220823-112257.JPG
At: 332.1 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220823 11:25	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-35 1-34
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-35	Downstream MH No: MH 1-34	Direction: D	Total length: 350.400 ft.	Length surveyed: 350.400 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	69	69	1L00	1.0	0	0	0	0000	0.0	69	1.0	2.0	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220823 13:39

Pipe segment ref.:

1-35 1-34

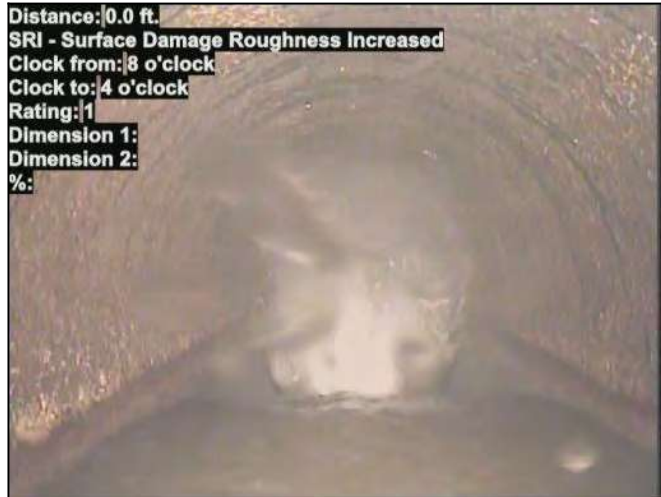


Photo: MH 1-35-MH 1-34-20220823-112714.JPG
At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-35-MH 1-34-20220823-113000.JPG
At: 9.5 ft. 12/ TF - Tap Factory
Joint: No



Photo: MH 1-35-MH 1-34-20220823-113212.JPG
At: 41.8 ft. 12/ TF - Tap Factory
Joint: No



Photo: MH 1-35-MH 1-34-20220823-113907.JPG
At: 178.7 ft. 12/ TF - Tap Factory
Joint: No



Photo: MH 1-35-MH 1-34-20220823-114713.JPG
At: 276 ft. MGO - Miscellaneous General Observation
Joint: No RAN OUT OF CABLE NEED TO MOVE TV TRUCK DOWN AND CONTINUE VIDEO FROM 276'

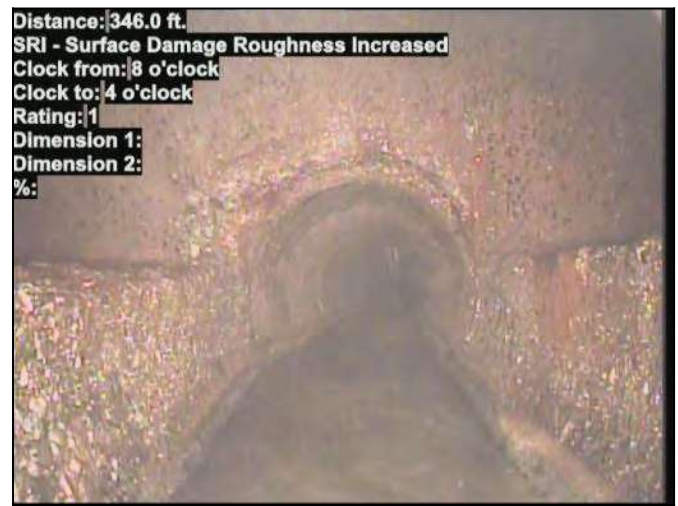


Photo: MH 1-35-MH 1-34-20220823-133711.JPG
At: 346 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



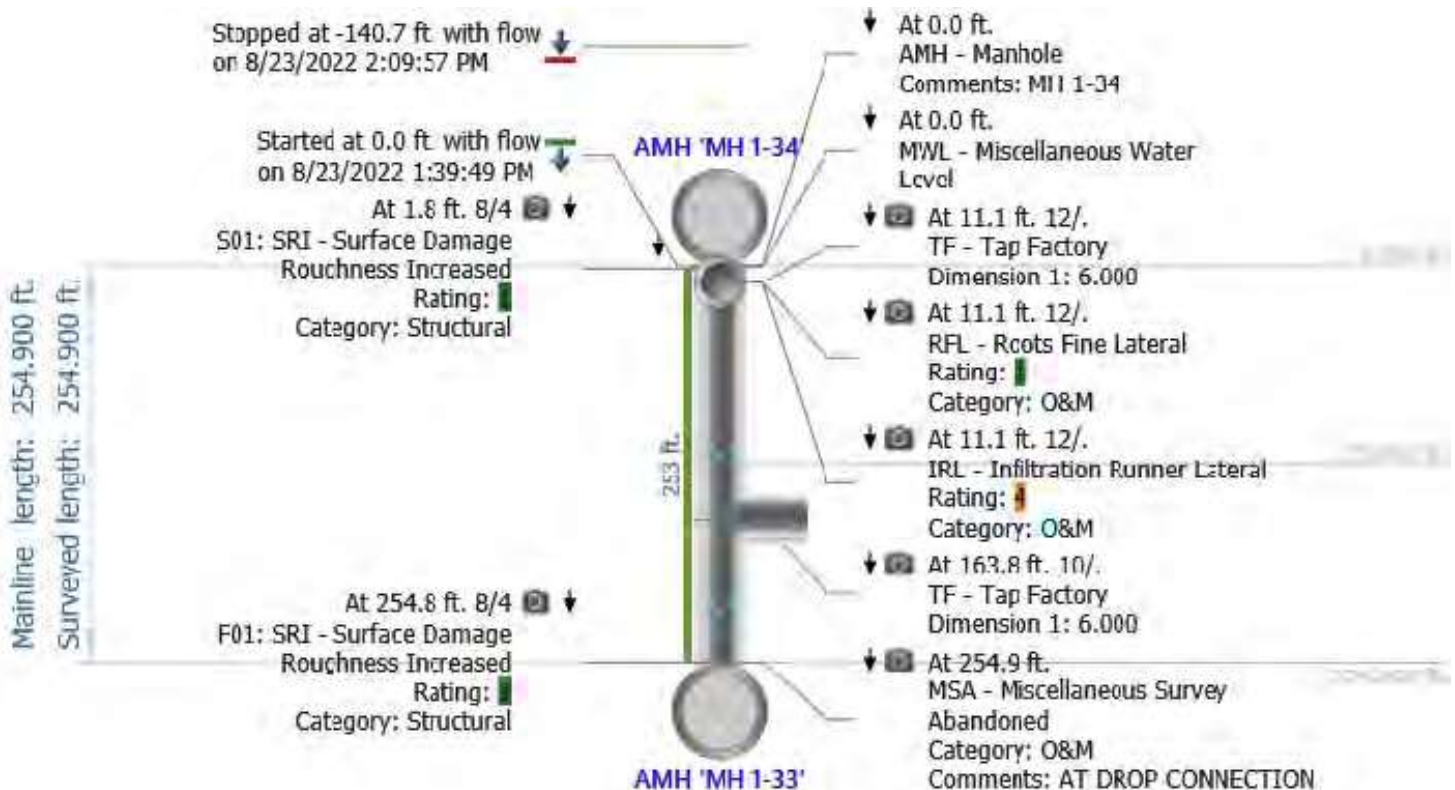
Photo: MH 1-35-MH 1-34-20220823-133723.JPG
At: 348 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220823 13:39	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-34 1-33	
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-34	Downstream MH No: MH 1-33	Direction: D	Total length: 254.900 ft.	Length surveyed: 254.900 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF
1	0	51	51	1100	1.0	0	1	5	4111	2.5	56	1.1	4.1	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	4							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	GREENMANVILLE AVE	20220824 08:48	1-34 1-33

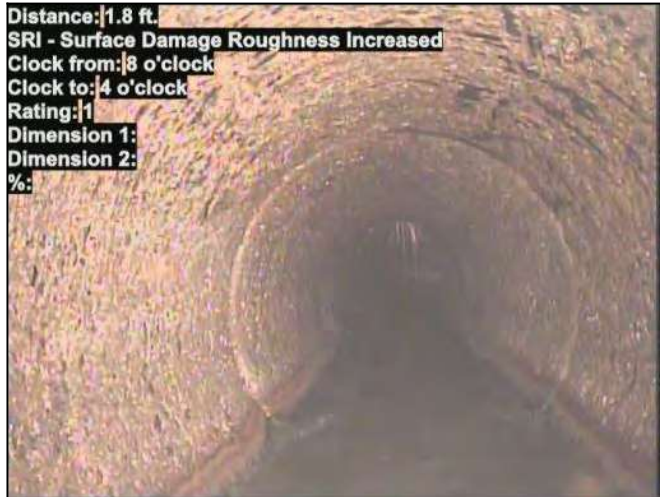


Photo: MH 1-34-MH 1-33-20220823-134111.JPG
At: 1.8 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-34-MH 1-33-20220823-134254.JPG
At: 11.1 ft. 12/. RFL - Roots Fine Lateral
Joint: No



Photo: MH 1-34-MH 1-33-20220823-134319.JPG
At: 11.1 ft. 12/. IRL - Infiltration Runner Lateral
Joint: No



Photo: MH 1-34-MH 1-33-20220823-134232.JPG
At: 11.1 ft. 12/. TF - Tap Factory
Joint: No



Photo: MH 1-34-MH 1-33-20220823-135005_1.JPG

At: 163.8 ft. 10/. TF - Tap Factory

Joint: Yes

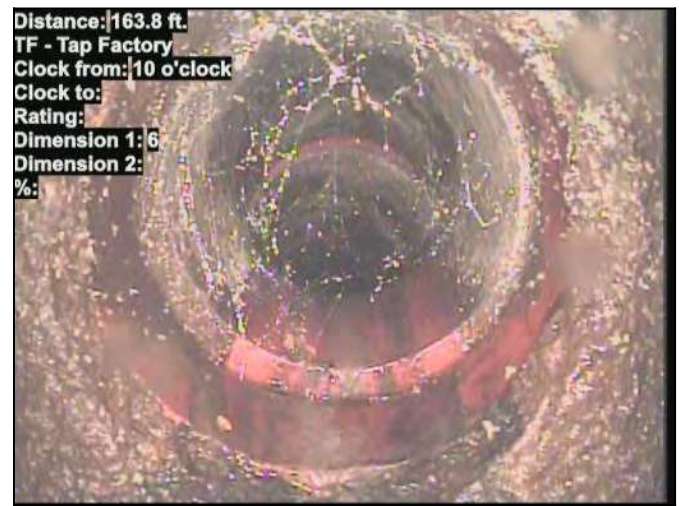


Photo: MH 1-34-MH 1-33-20220823-135005.JPG

At: 163.8 ft. 10/. TF - Tap Factory

Joint: Yes

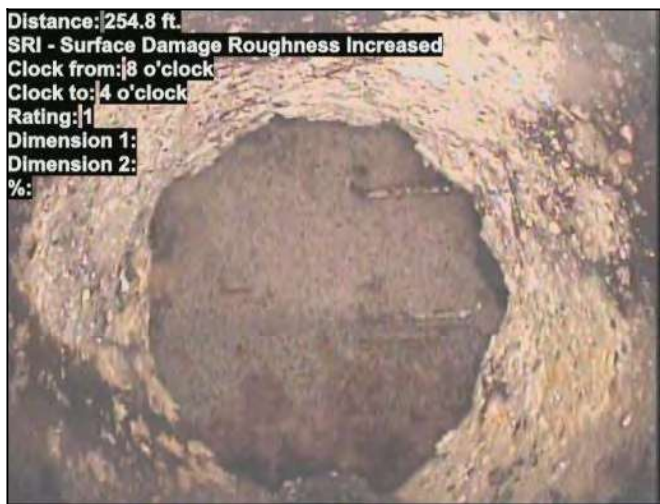


Photo: MH 1-34-MH 1-33-20220823-135605.JPG

At: 254.8 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes

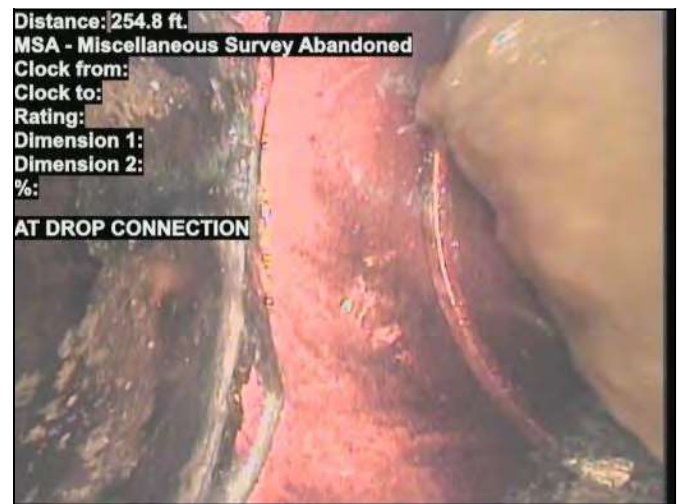


Photo: MH 1-34-MH 1-33-20220823-124618.JPG

At: 254.9 ft. MSA - Miscellaneous Survey Abandoned

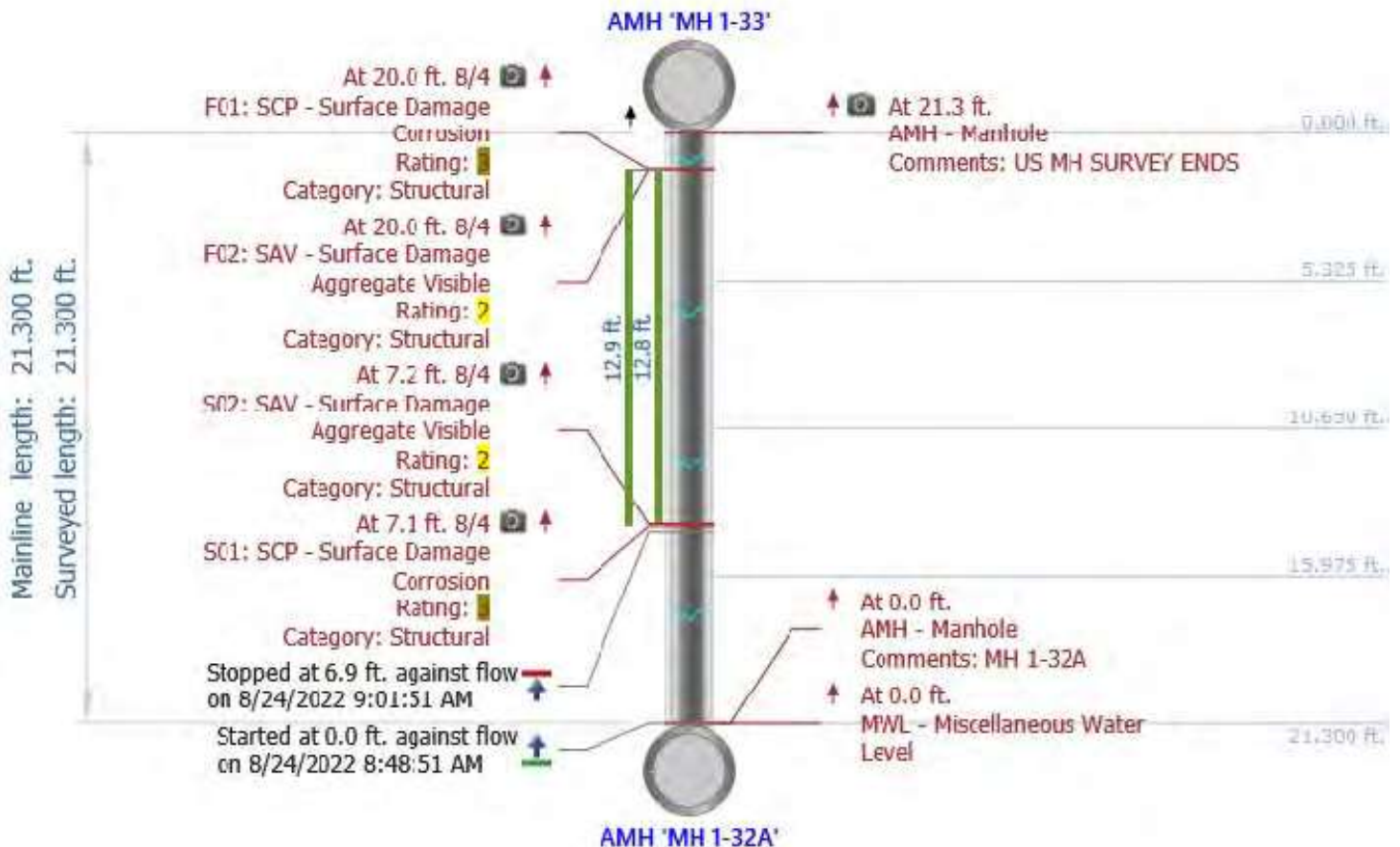
Joint: No AT DROP CONNECTION

NWMCC INSPECTION REPORT

Start date/time: 20220824 08:48	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-33 1-32A
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220823	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-33	Downstream MH No: MH 1-32A	Direction: U	Total length: 21.300 ft.	Length surveyed: 21.300 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF
1	0	0	15	3323	2.5	0	0	0	0000	0.0	15	2.5	3.3	
2	0	6				0	0							
3	0	9				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	GREENMANVILLE AVE	20220824 09:03	1-33 1-32A



Photo: MH 1-33-MH 1-32A-20220824-085141.JPG
At: 7.1 ft. 8/4 SCP - Surface Damage Corrosion
Joint: Yes



Photo: MH 1-33-MH 1-32A-20220824-085304_8.JPG
At: 7.2 ft. 8/4 SAV - Surface Damage Aggregate Visible
Joint: Yes



Photo: MH 1-33-MH 1-32A-20220824-085304_7.JPG
At: 7.2 ft. 8/4 SAV - Surface Damage Aggregate Visible
Joint: Yes

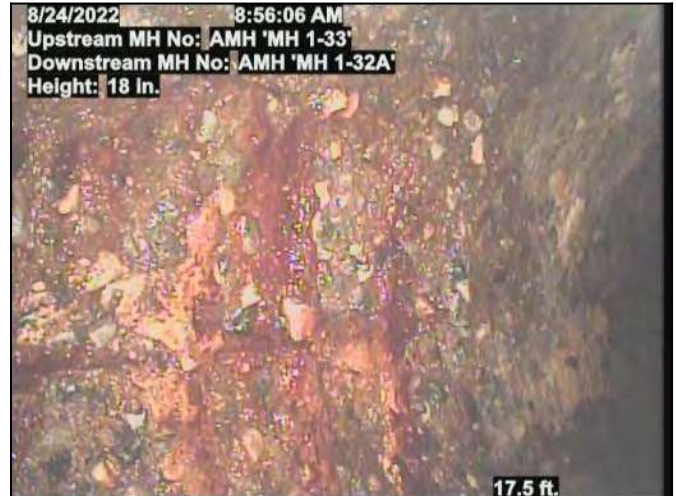


Photo: MH 1-33-MH 1-32A-20220824-085304_6.JPG
At: 7.2 ft. 8/4 SAV - Surface Damage Aggregate Visible
Joint: Yes



Photo: MH 1-33-MH 1-32A-20220824-085304_5.JPG
 At: 7.2 ft. 8/4 SAV - Surface Damage Aggregate Visible
 Joint: Yes



Photo: MH 1-33-MH 1-32A-20220824-085304_4.JPG
 At: 7.2 ft. 8/4 SAV - Surface Damage Aggregate Visible
 Joint: Yes



Photo: MH 1-33-MH 1-32A-20220824-085304_3.JPG
 At: 7.2 ft. 8/4 SAV - Surface Damage Aggregate Visible
 Joint: Yes



Photo: MH 1-33-MH 1-32A-20220824-085304_2.JPG
 At: 7.2 ft. 8/4 SAV - Surface Damage Aggregate Visible
 Joint: Yes



Photo: MH 1-33-MH 1-32A-20220824-085304_1.JPG
 At: 7.2 ft. 8/4 SAV - Surface Damage Aggregate Visible
 Joint: Yes



Photo: MH 1-33-MH 1-32A-20220824-085304.JPG
 At: 7.2 ft. 8/4 SAV - Surface Damage Aggregate Visible
 Joint: Yes



Distance: 20.0 ft.
 SAV - Surface Damage Aggregate Visible
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 2
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-33-MH 1-32A-20220824-085658.JPG
 At: 20 ft. 8/4 SAV - Surface Damage Aggregate Visible
 Joint: Yes



Distance: 20.0 ft.
 SCP - Surface Damage Corrosion
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 3
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-33-MH 1-32A-20220824-085655.JPG
 At: 20 ft. 8/4 SCP - Surface Damage Corrosion
 Joint: Yes



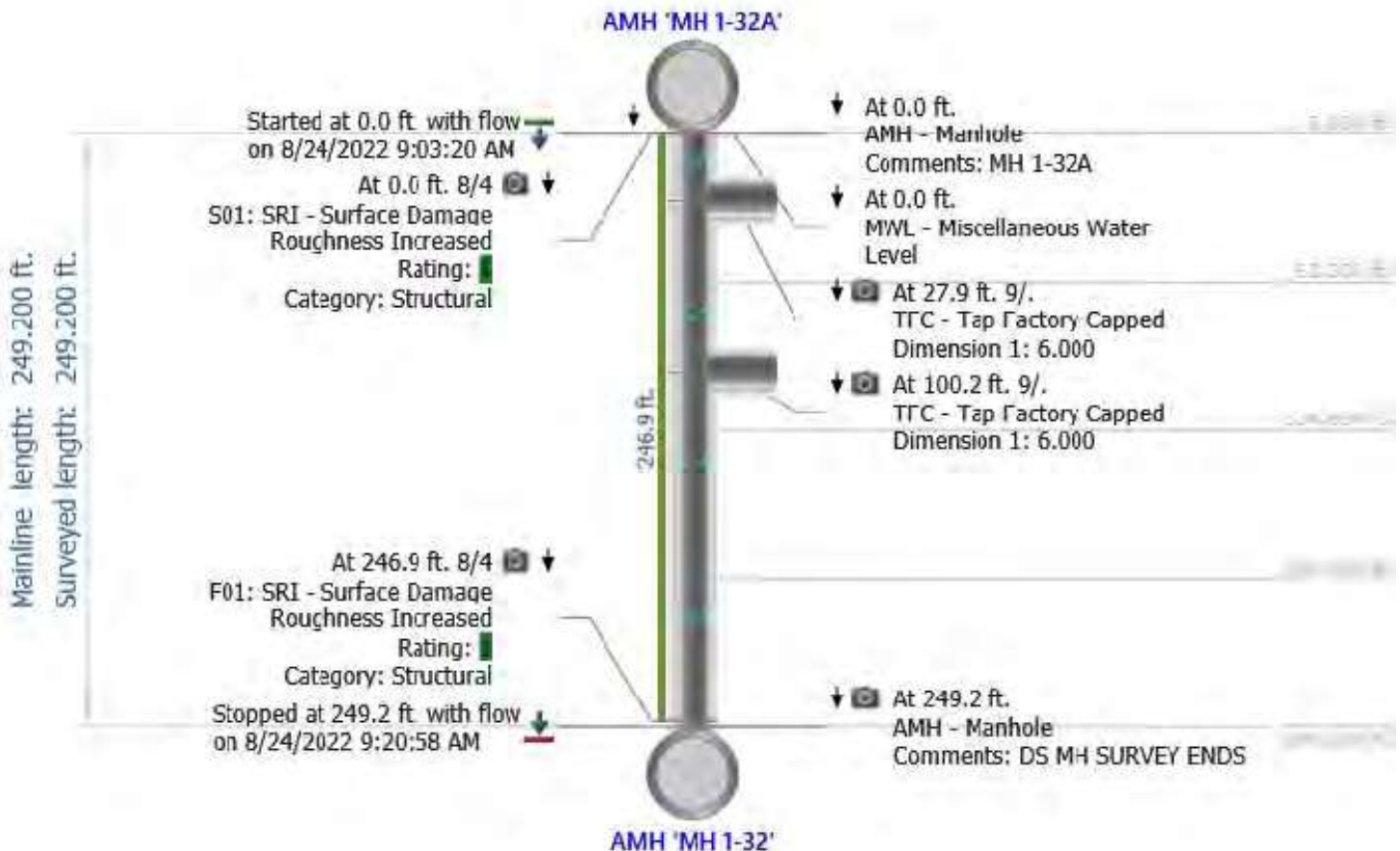
Distance: 21.3 ft.
 AMH - Manhole
 Clock from:
 Clock to:
 Rating:
 Dimension 1:
 Dimension 2:
 %:
 US MH SURVEY ENDS
 Photo: MH 1-33-MH 1-32A-20220824-085742.JPG
 At: 21.3 ft. AMH - Manhole
 Joint: No US MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220824 09:03	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-32A 1-32	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220824	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-32A	Downstream MH No: MH 1-32	Direction: D	Total length: 249.200 ft.	Length surveyed: 249.200 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	49	49	1H00	1.0	0	0	0	0000	0.0	49	1.0	2.0	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220824 09:21

Pipe segment ref.:

1-32A 1-32

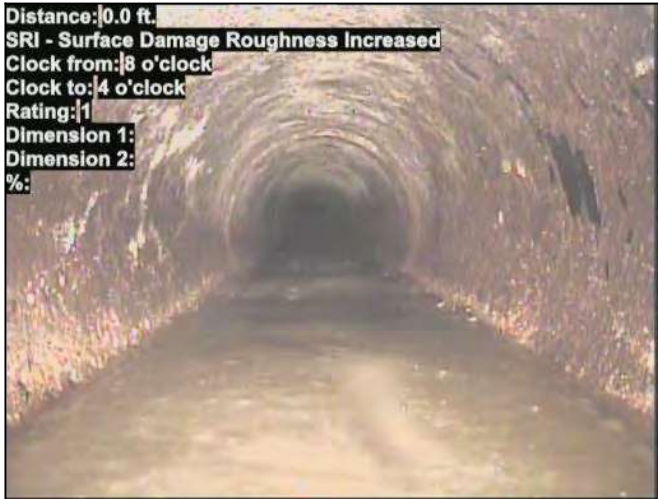


Photo: MH 1-32A-MH 1-32-20220824-090449.JPG

At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-32A-MH 1-32-20220824-090810.JPG

At: 27.9 ft. 9/ TFC - Tap Factory Capped

Joint: Yes



Photo: MH 1-32A-MH 1-32-20220824-091133.JPG

At: 100.2 ft. 9/ TFC - Tap Factory Capped

Joint: No



Photo: MH 1-32A-MH 1-32-20220824-091700.JPG

At: 246.9 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-32A-MH 1-32-20220824-091735.JPG

At: 249.2 ft. AMH - Manhole

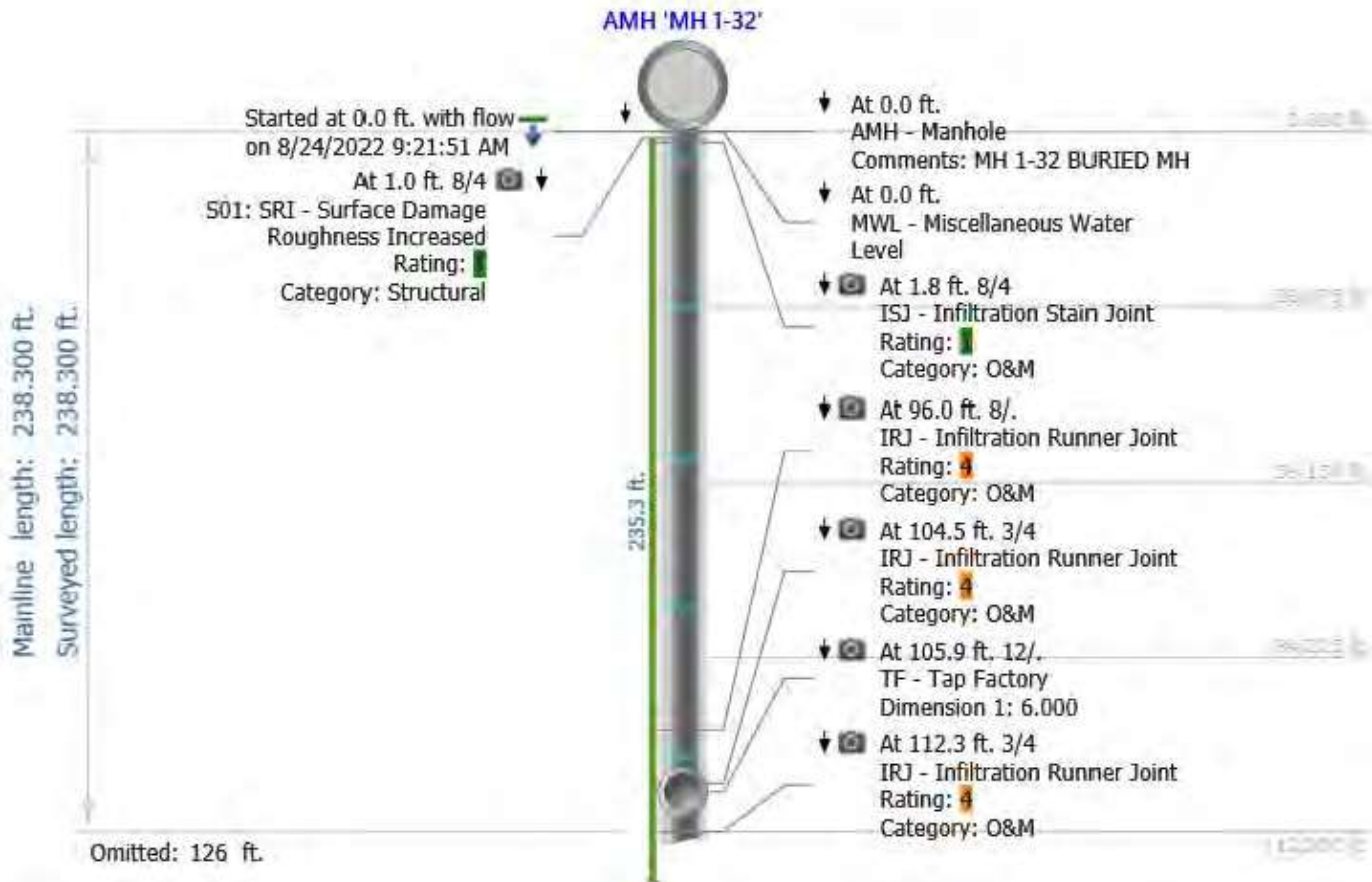
Joint: No DS MH SURVEY ENDS

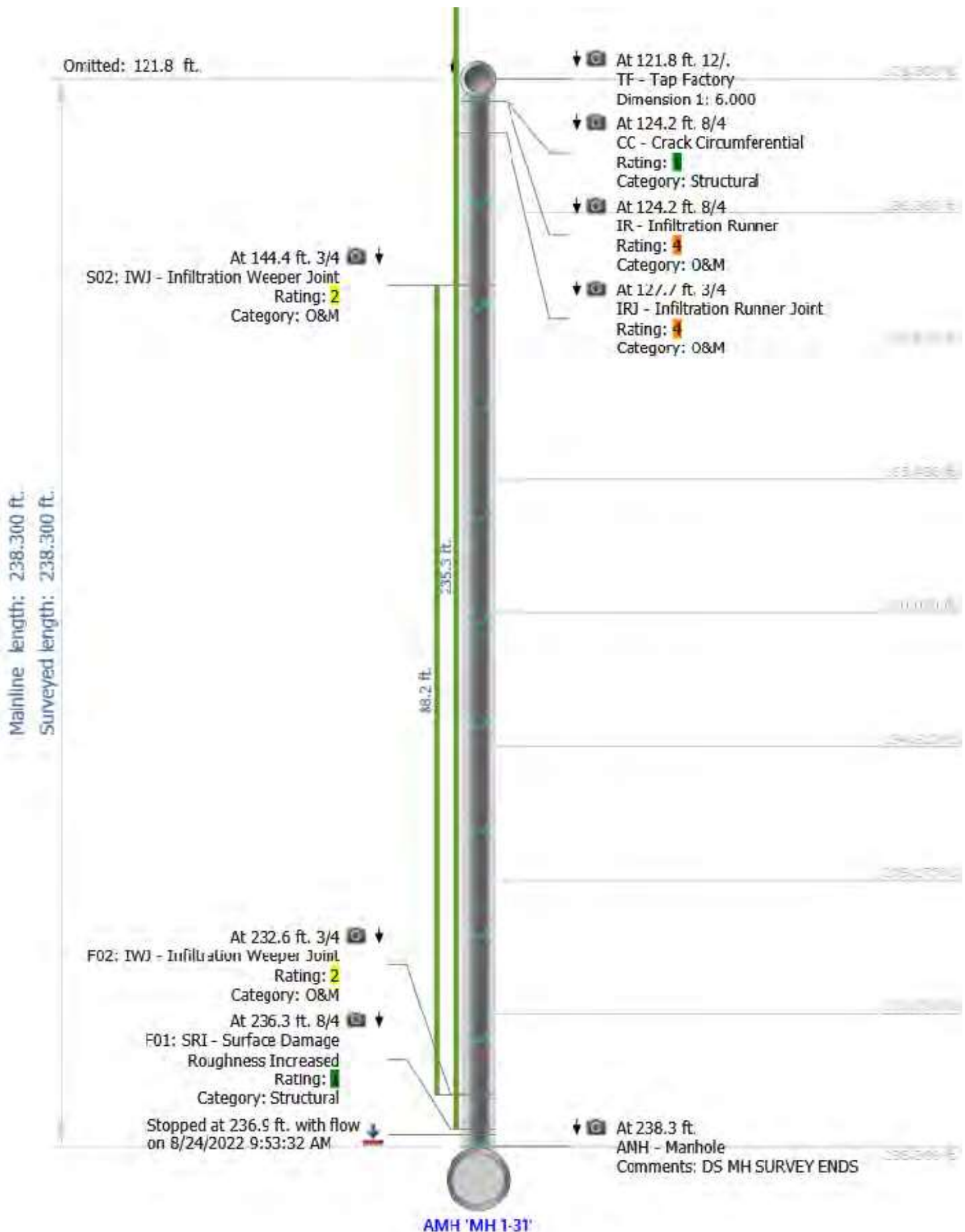
NWMCC INSPECTION REPORT

Start date/time: 20220824 09:21	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-32 1-31
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-32	Downstream MH No: MH 1-31	Direction: D	Total length: 238.300 ft.	Length surveyed: 238.300 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 18 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF
1	0	48	48	1H00	1.0	0	1	57	452B	2.4	105	1.5	4.5	
2	0	0				0	36							
3	0	0				0	0							
4	0	0				0	20							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220824 09:54

Pipe segment ref.:

1-32 1-31



Photo: MH 1-32-MH 1-31-20220824-092325.JPG

At: 1 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-32-MH 1-31-20220824-092428_1.JPG

At: 1.8 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-32-MH 1-31-20220824-092428.JPG

At: 1.8 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes

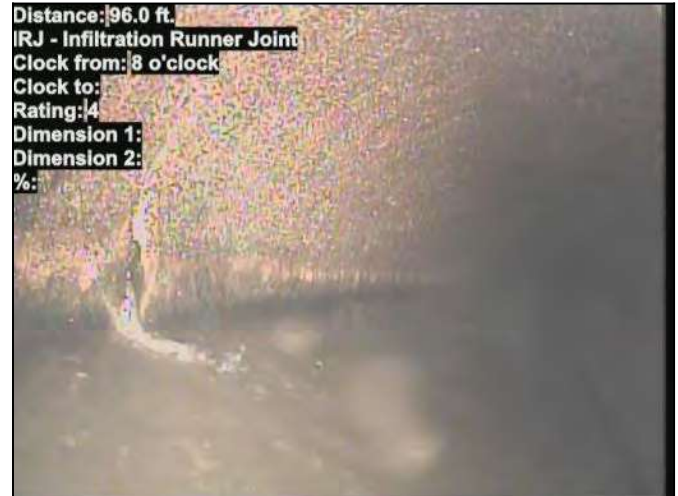


Photo: MH 1-32-MH 1-31-20220824-092825_1.JPG

At: 96 ft. 8/. IRJ - Infiltration Runner Joint

Joint: Yes



Photo: MH 1-32-MH 1-31-20220824-092825.JPG
 At: 96 ft. 8/. IRJ - Infiltration Runner Joint
 Joint: Yes



Photo: MH 1-32-MH 1-31-20220824-093143_1.JPG
 At: 104.5 ft. 3/4 IRJ - Infiltration Runner Joint
 Joint: Yes



Photo: MH 1-32-MH 1-31-20220824-093143.JPG
 At: 104.5 ft. 3/4 IRJ - Infiltration Runner Joint
 Joint: Yes



Photo: MH 1-32-MH 1-31-20220824-093428.JPG
 At: 105.9 ft. 12/. TF - Tap Factory
 Joint: Yes



Photo: MH 1-32-MH 1-31-20220824-093531.JPG
 At: 112.3 ft. 3/4 IRJ - Infiltration Runner Joint
 Joint: Yes



Photo: MH 1-32-MH 1-31-20220824-093658.JPG
 At: 121.8 ft. 12/. TF - Tap Factory
 Joint: Yes



Distance: 124.2 ft.
 CC - Crack Circumferential
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 1
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-32-MH 1-31-20220824-093849.JPG
 At: 124.2 ft. 8/4 CC - Crack Circumferential
 Joint: No



Distance: 124.2 ft.
 IR - Infiltration Runner
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 4
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-32-MH 1-31-20220824-093909.JPG
 At: 124.2 ft. 8/4 IR - Infiltration Runner
 Joint: No



Distance: 127.7 ft.
 IRJ - Infiltration Runner Joint
 Clock from: 3 o'clock
 Clock to: 4 o'clock
 Rating: 4
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-32-MH 1-31-20220824-093952.JPG
 At: 127.7 ft. 3/4 IRJ - Infiltration Runner Joint
 Joint: Yes



8/24/2022 9:45:48 AM
 Upstream MH No: AMH 'MH 1-32'
 Downstream MH No: AMH 'MH 1-31'
 Height: 18 in.
 Photo: MH 1-32-MH 1-31-20220824-094157_2.JPG
 At: 144.4 ft. 3/4 IWJ - Infiltration Weeper Joint
 Joint: Yes



8/24/2022 9:42:54 AM
 Upstream MH No: AMH 'MH 1-32'
 Downstream MH No: AMH 'MH 1-31'
 Height: 18 in.
 Photo: MH 1-32-MH 1-31-20220824-094157_1.JPG
 At: 144.4 ft. 3/4 IWJ - Infiltration Weeper Joint
 Joint: Yes



Distance: 144.4 ft.
 IWJ - Infiltration Weeper Joint
 Clock from: 3 o'clock
 Clock to: 4 o'clock
 Rating: 2
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-32-MH 1-31-20220824-094157.JPG
 At: 144.4 ft. 3/4 IWJ - Infiltration Weeper Joint
 Joint: Yes



Photo: MH 1-32-MH 1-31-20220824-094600.JPG
 At: 232.6 ft. 3/4 IWJ - Infiltration Weeper Joint
 Joint: Yes

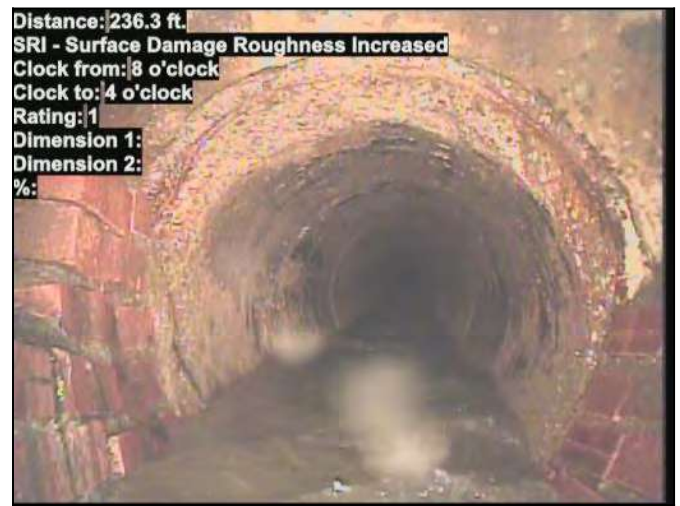


Photo: MH 1-32-MH 1-31-20220824-094648.JPG
 At: 236.3 ft. 8/4 SRI - Surface Damage Roughness Increased
 Joint: Yes

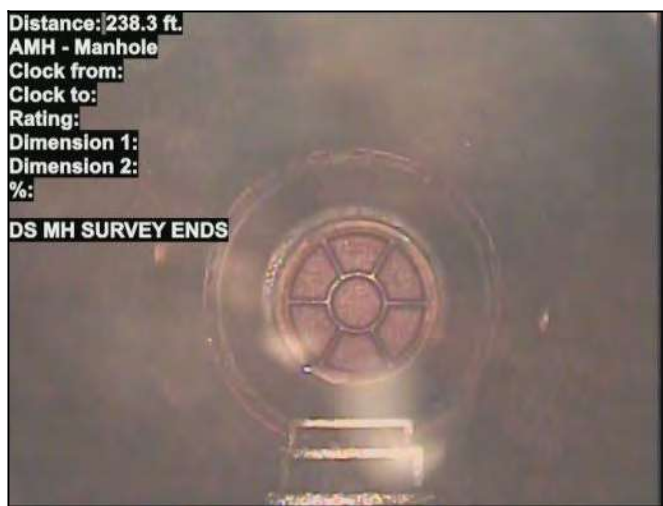


Photo: MH 1-32-MH 1-31-20220824-094741.JPG
 At: 238.3 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

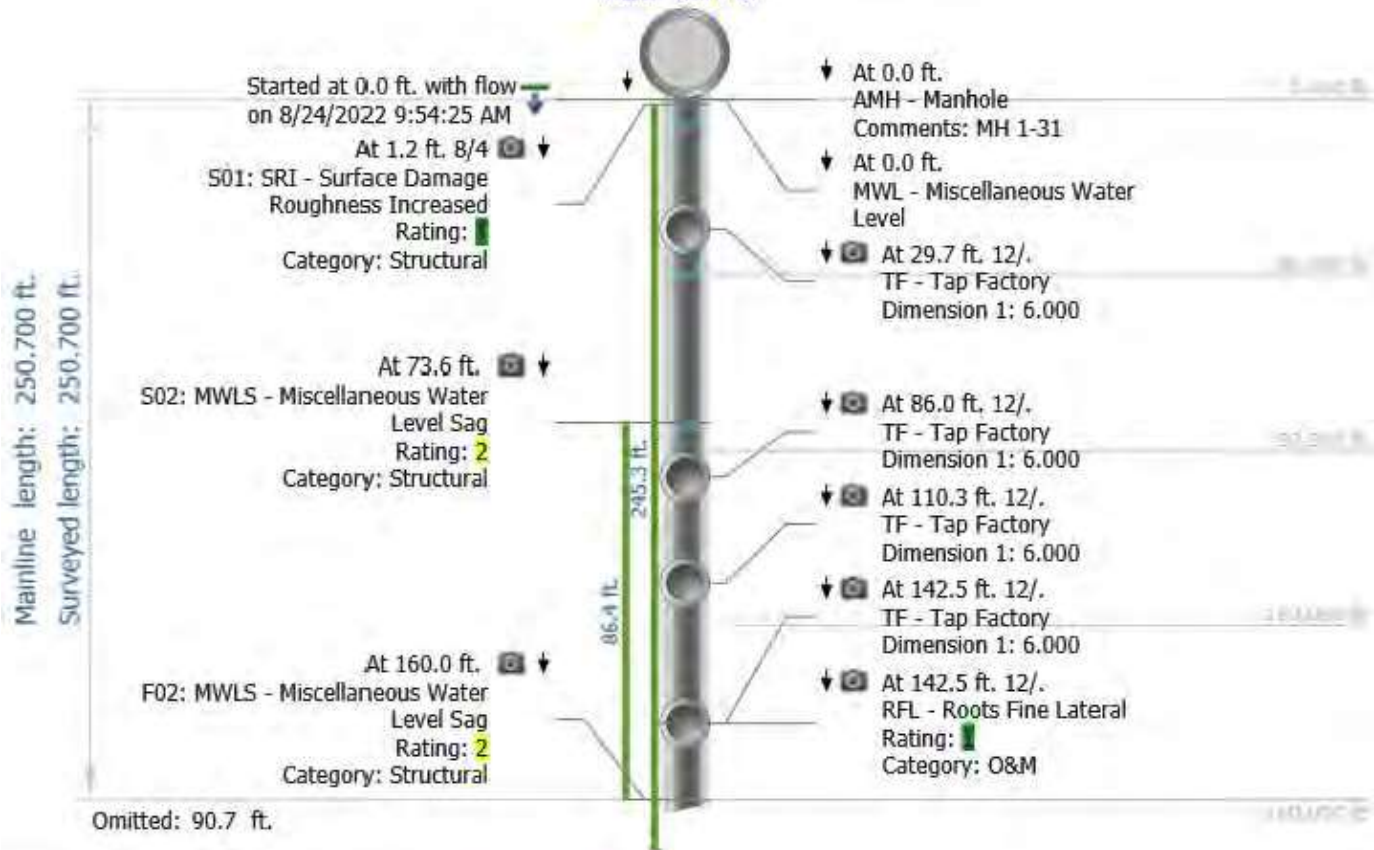
NWMCC INSPECTION REPORT

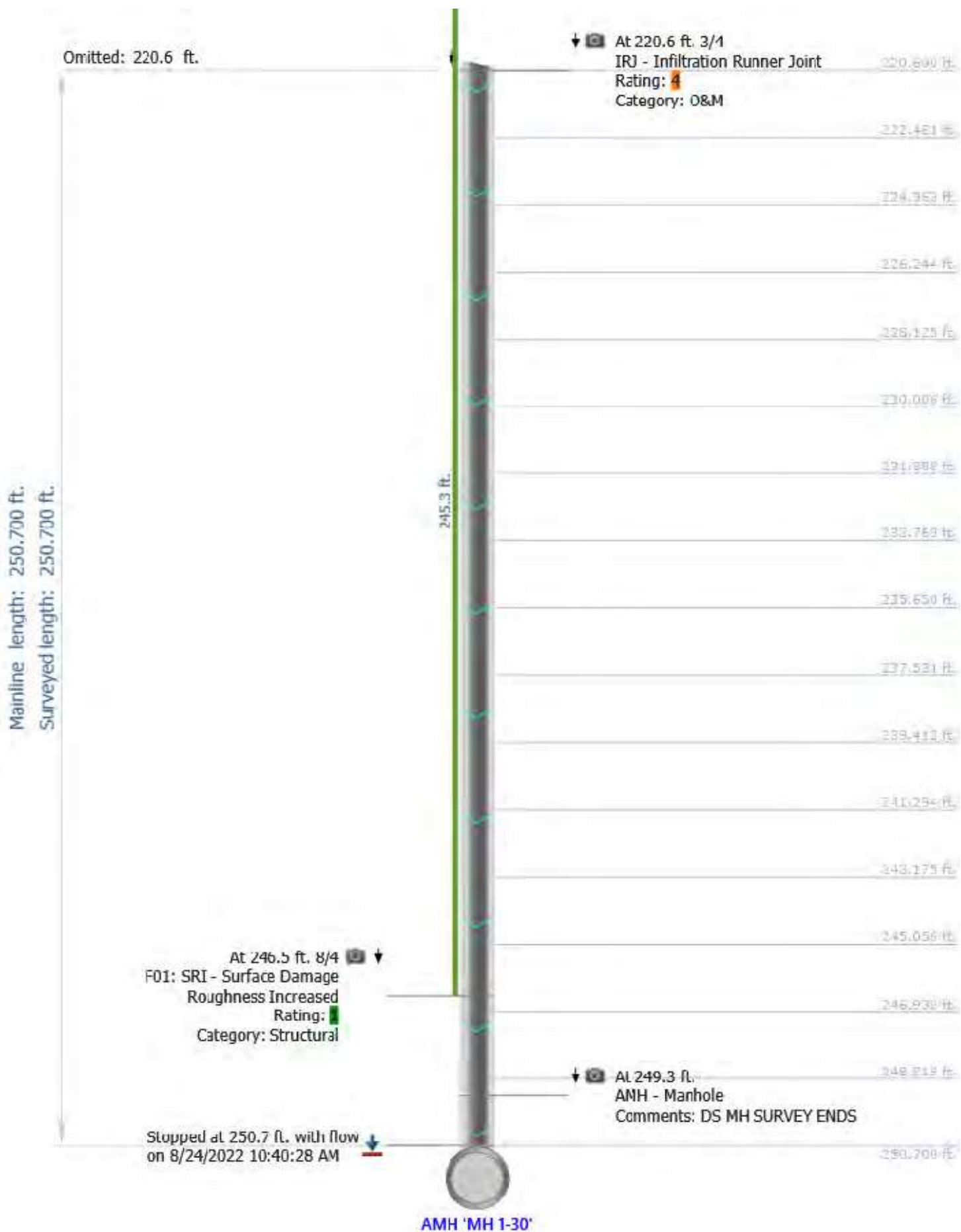
Start date/time: 20220824 09:54	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-31 1-30
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220824	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-31	Downstream MH No: MH 1-30	Direction: D	Total length: 250.700 ft.	Length surveyed: 250.700 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	49	83	2B1H	1.3	0	1	5	4111	2.5	88	1.3	4.1	
2	0	34				0	0							
3	0	0				0	0							
4	0	0				0	4							
5	0	0				0	0							

AMH 'MH 1-31'





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220824 10:43

Pipe segment ref.:

1-31 1-30

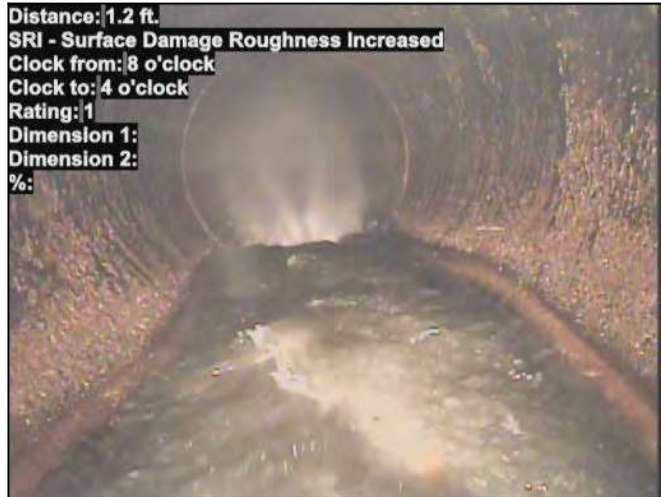


Photo: MH 1-31-MH 1-30-20220824-102336.JPG
At: 1.2 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-31-MH 1-30-20220824-102504.JPG
At: 29.7 ft. 12/ TF - Tap Factory
Joint: No



Photo: MH 1-31-MH 1-30-20220824-102653.JPG
At: 73.6 ft. MWLS - Miscellaneous Water Level Sag
Joint: No 25 %



Photo: MH 1-31-MH 1-30-20220824-102749.JPG
At: 86 ft. 12/ TF - Tap Factory
Joint: No



Distance: 110.3 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-31-MH 1-30-20220824-102919.JPG
At: 110.3 ft. 12/. TF - Tap Factory
Joint: No



Distance: 142.5 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-31-MH 1-30-20220824-103127.JPG
At: 142.5 ft. 12/. TF - Tap Factory
Joint: No



Distance: 142.5 ft.
RFL - Roots Fine Lateral
Clock from: 12 o'clock
Clock to:
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-31-MH 1-30-20220824-103142.JPG
At: 142.5 ft. 12/. RFL - Roots Fine Lateral
Joint: No



Distance: 160.0 ft.
MWLS - Miscellaneous Water Level Sag
Clock from:
Clock to:
Rating: 2
Dimension 1:
Dimension 2:
%: 25 %
Photo: MH 1-31-MH 1-30-20220824-103415.JPG
At: 160 ft. MWLS - Miscellaneous Water Level Sag
Joint: No 25 %



Distance: 220.6 ft.
IRJ - Infiltration Runner Joint
Clock from: 3 o'clock
Clock to: 4 o'clock
Rating: 4
Dimension 1:
Dimension 2:
%:
Photo: MH 1-31-MH 1-30-20220824-103713.JPG
At: 220.6 ft. 3/4 IRJ - Infiltration Runner Joint
Joint: Yes



Distance: 246.5 ft.
SRI - Surface Damage Roughness Increased
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-31-MH 1-30-20220824-103854.JPG
At: 246.5 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-31-MH 1-30-20220824-103942.JPG

At: 249.3 ft. AMH - Manhole

Joint: No DS MH SURVEY ENDS

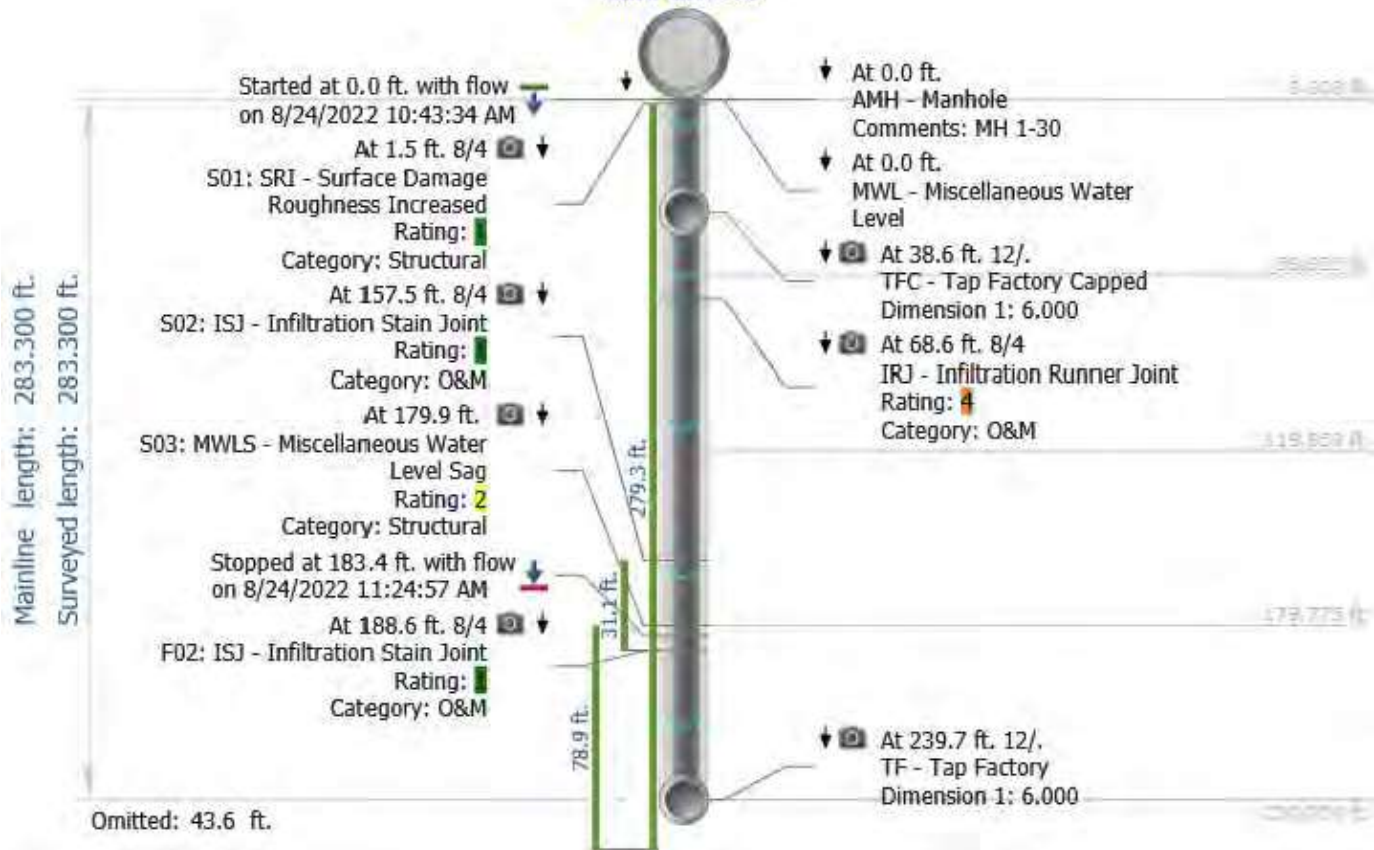
NWMCC INSPECTION REPORT

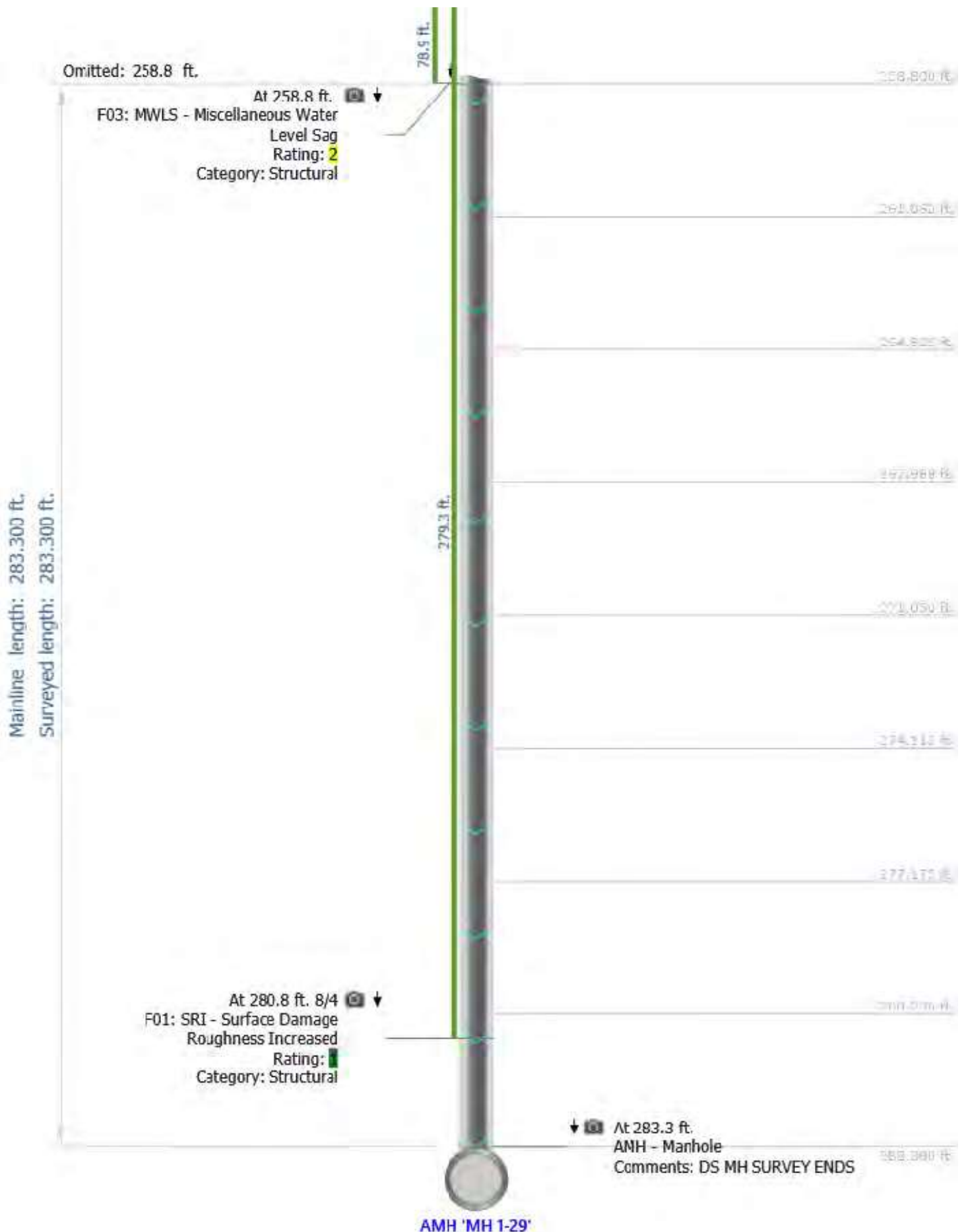
Start date/time: 20220824 10:43	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-30 1-29
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-30	Downstream MH No: MH 1-29	Direction: D	Total length: 283.300 ft.	Length surveyed: 283.300 ft.
Purpose: Routine Assessment	Pipe joint length: 24 in.	Height: Reinforced Concrete Pipe	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF Risk
1	0	56	88	2B1J	1.2	0	6	10	4116	1.4	98	1.2	4.1	
2	0	32				0	0							
3	0	0				0	0							
4	0	0				0	4							
5	0	0				0	0							

AMH 'MH 1-30'





NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	GREENMANVILLE AVE	20220824 12:30	1-30 1-29



Photo: MH 1-30-MH 1-29-20220824-104433.JPG
At: 1.5 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-30-MH 1-29-20220824-104636.JPG
At: 38.6 ft. 12/ TFC - Tap Factory Capped
Joint: No



Photo: MH 1-30-MH 1-29-20220824-110302.JPG
At: 68.6 ft. 8/4 IRJ - Infiltration Runner Joint
Joint: Yes



Photo: MH 1-30-MH 1-29-20220824-110741.JPG
At: 157.5 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 179.9 ft.
MWLS - Miscellaneous Water Level Sag
Clock from:
Clock to:
Rating: 2
Dimension 1:
Dimension 2:
%: 10 %

Photo: MH 1-30-MH 1-29-20220824-110834.JPG
At: 179.9 ft. MWLS - Miscellaneous Water Level Sag
Joint: No 10 %



Distance: 188.6 ft.
ISJ - Infiltration Stain Joint
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:

Photo: MH 1-30-MH 1-29-20220824-110913.JPG
At: 188.6 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 239.7 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-30-MH 1-29-20220824-111158.JPG
At: 239.7 ft. 12/. TF - Tap Factory
Joint: No



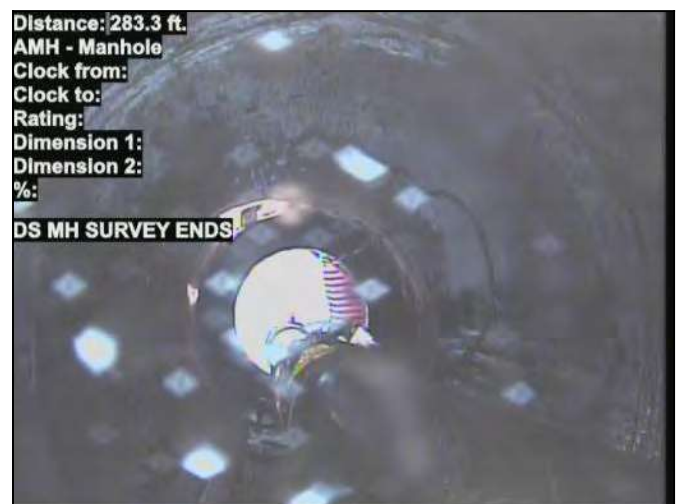
Distance: 258.8 ft.
MWLS - Miscellaneous Water Level Sag
Clock from:
Clock to:
Rating: 2
Dimension 1:
Dimension 2:
%: 10 %

Photo: MH 1-30-MH 1-29-20220824-111742.JPG
At: 258.8 ft. MWLS - Miscellaneous Water Level Sag
Joint: No 10 %



Distance: 280.8 ft.
SRI - Surface Damage Roughness Increased
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:

Photo: MH 1-30-MH 1-29-20220824-112033.JPG
At: 280.8 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Distance: 283.3 ft.
AMH - Manhole
Clock from:
Clock to:
Rating:
Dimension 1:
Dimension 2:
%:
DS MH SURVEY ENDS

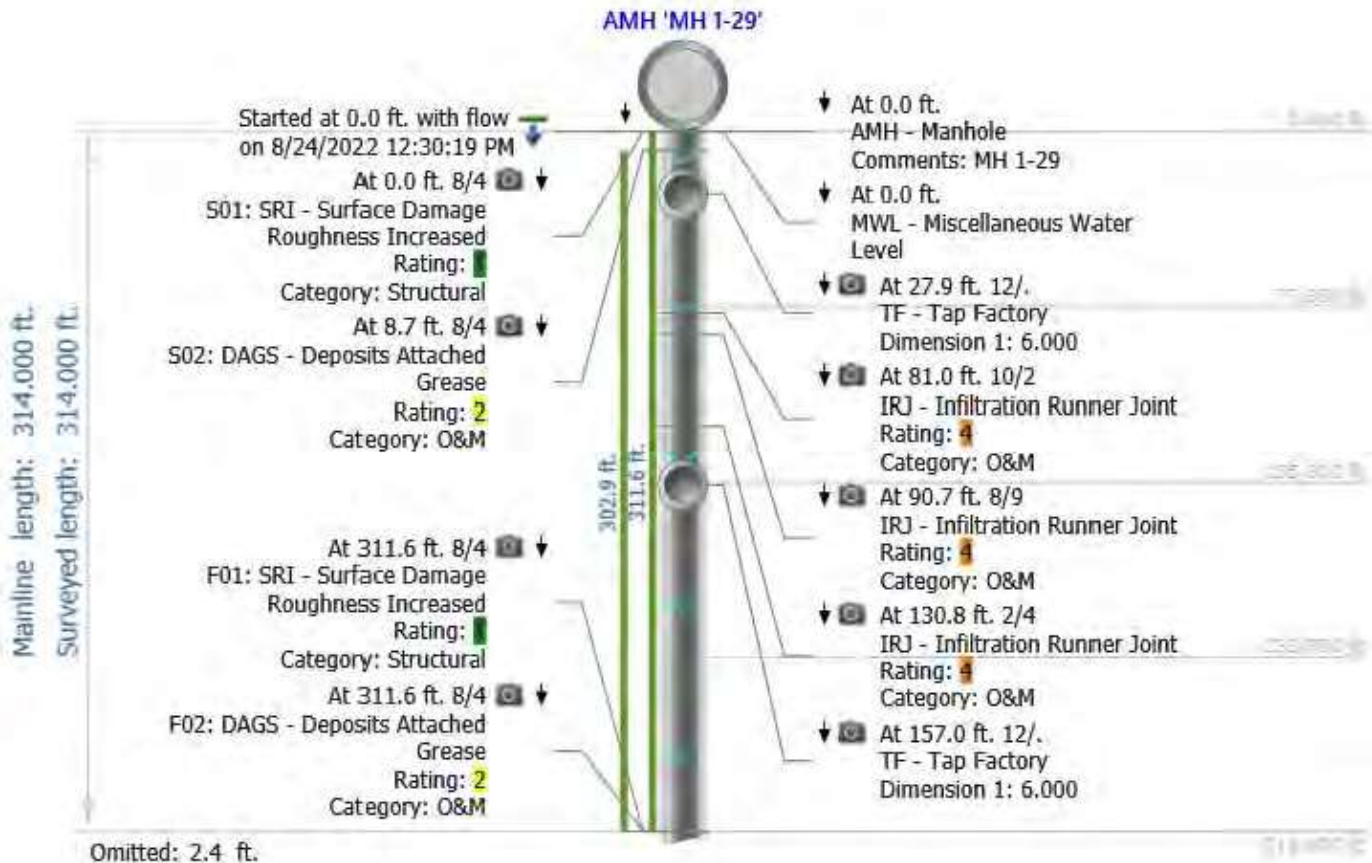
Photo: MH 1-30-MH 1-29-20220824-112132.JPG
At: 283.3 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220824 12:30	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-29 1-28
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220824	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-29	Downstream MH No: MH 1-28	Direction: D	Total length: 314.000 ft.	Length surveyed: 314.000 ft.
Purpose: Routine Assessment	Pipe joint length: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF
1	0	62	62	1K00	1.0	0	0	134	432K	2.1	196	1.6	4.3	
2	0	0				0	122							
3	0	0				0	0							
4	0	0				0	12							
5	0	0				0	0							



Mainline length: 314.000 ft.
Surveyed length: 314.000 ft.

Omitted: 314 ft.

Stopped at 314.0 ft. with flow
on 8/24/2022 1:26:38 PM



AMH 'MH 1-28'



At 314.0 ft.
AMH - Manhole
Comments: DS MH SURVEY ENDS

314.000 ft.
314.000 ft.

NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220824 13:27

Pipe segment ref.:

1-29 1-28

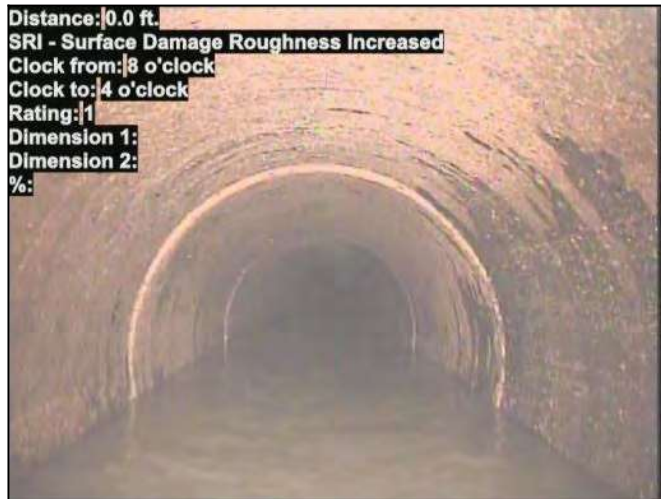


Photo: MH 1-29-MH 1-28-20220824-123141.JPG

At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-29-MH 1-28-20220824-130928.JPG

At: 8.7 ft. 8/4 DAGS - Deposits Attached Grease

Joint: Yes 5 %

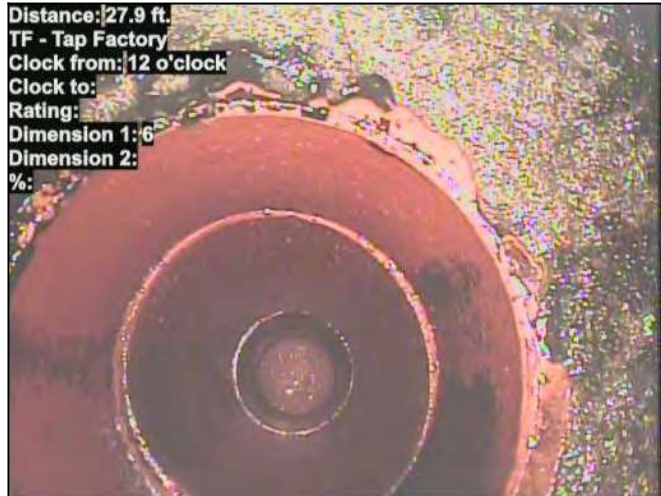


Photo: MH 1-29-MH 1-28-20220824-131045.JPG

At: 27.9 ft. 12/ TF - Tap Factory

Joint: No



Photo: MH 1-29-MH 1-28-20220824-131259.JPG

At: 81 ft. 10/2 IRJ - Infiltration Runner Joint

Joint: Yes

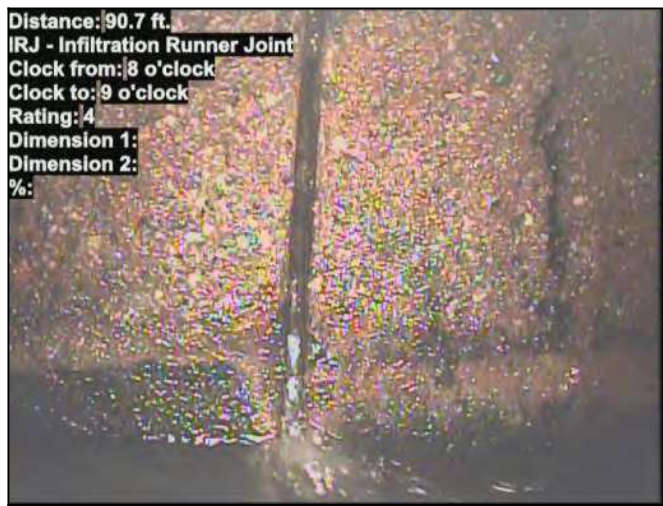


Photo: MH 1-29-MH 1-28-20220824-131353.JPG
 At: 90.7 ft. 8/9 IRJ - Infiltration Runner Joint
 Joint: Yes



Photo: MH 1-29-MH 1-28-20220824-131538.JPG
 At: 130.8 ft. 2/4 IRJ - Infiltration Runner Joint
 Joint: Yes



Photo: MH 1-29-MH 1-28-20220824-131648.JPG
 At: 157 ft. 12/ TF - Tap Factory
 Joint: No



Photo: MH 1-29-MH 1-28-20220824-132349.JPG
 At: 311.6 ft. 8/4 DAGS - Deposits Attached Grease
 Joint: Yes 5 %



Photo: MH 1-29-MH 1-28-20220824-132335.JPG
 At: 311.6 ft. 8/4 SRI - Surface Damage Roughness Increased
 Joint: Yes



Photo: MH 1-29-MH 1-28-20220824-132502.JPG
 At: 314 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220824 13:27	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-28 1-27	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-28	Downstream MH No: MH 1-27	Direction: D	Total length: 217.100 ft.	Length surveyed: 217.100 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF
1	0	43	43	1G00	1.0	0	0	2	2100	2.0	45	1.0	2.1	
2	0	0				0	2							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220824 14:19

Pipe segment ref.:

1-28 1-27

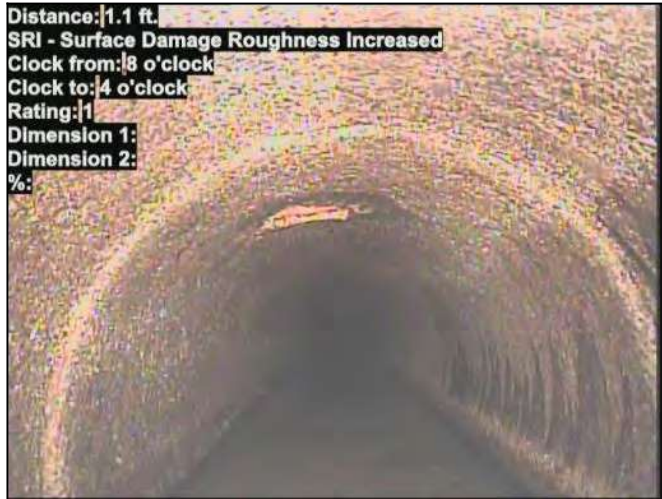


Photo: MH 1-28-MH 1-27-20220824-132835.JPG

At: 1.1 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-28-MH 1-27-20220824-132906.JPG

At: 5 ft. 12/. TFC - Tap Factory Capped

Joint: No



Photo: MH 1-28-MH 1-27-20220824-133321.JPG

At: 99.7 ft. 3/4 DAE - Deposits Attached Encrustation

Joint: Yes 5 %

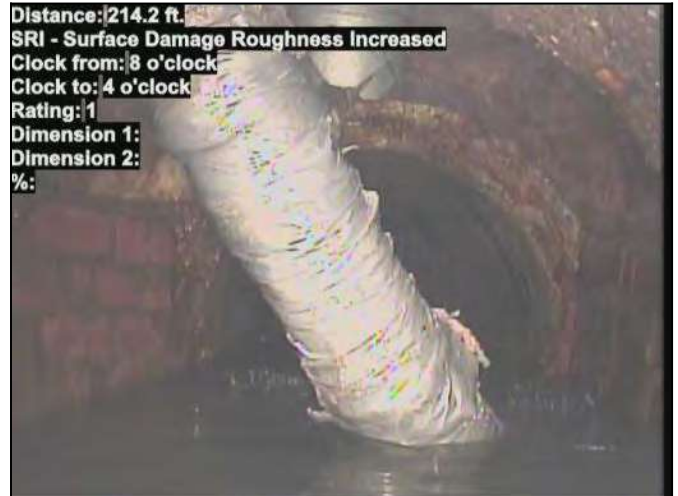


Photo: MH 1-28-MH 1-27-20220824-135410.JPG

At: 214.2 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-28-MH 1-27-20220824-135616.JPG

At: 217.1 ft. AMH - Manhole

Joint: No DS MH SURVEY ENDS

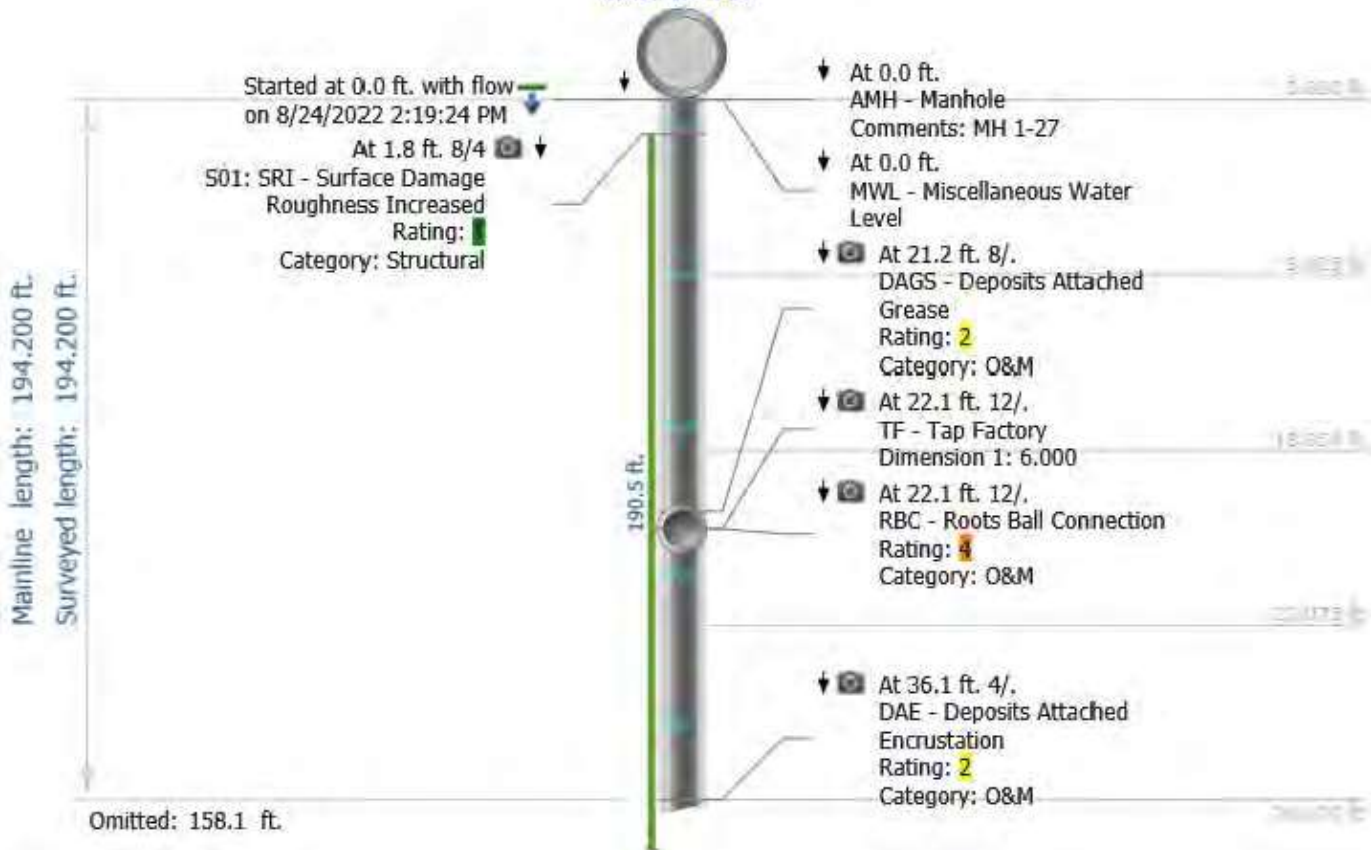
NWMCC INSPECTION REPORT

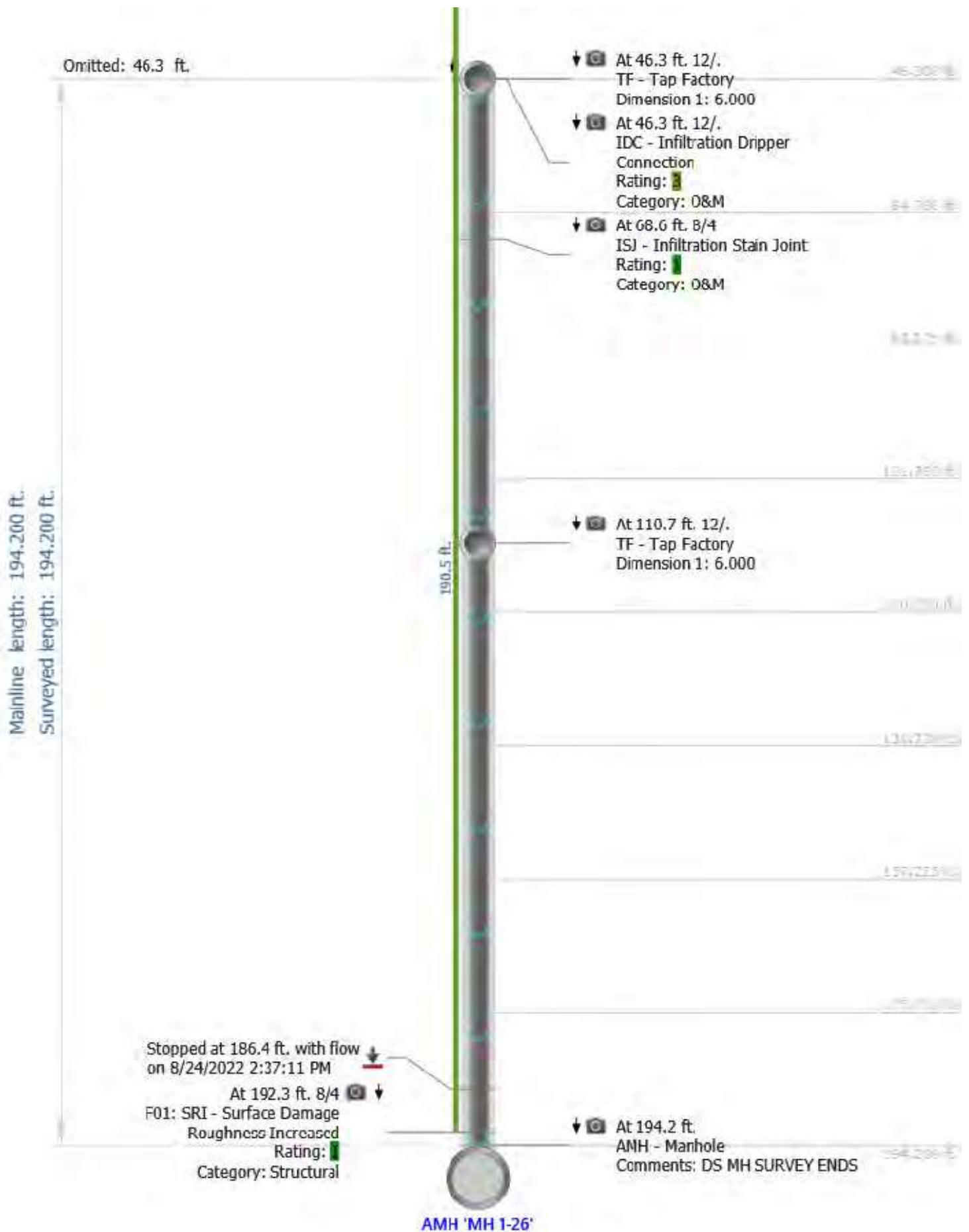
Start date/time: 20220824 14:19	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-27 1-26
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-27	Downstream MH No: MH 1-26	Direction: D	Total length: 194.200 ft.	Length surveyed: 194.200 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	38	38	1F00	1.0	0	1	12	4131	2.4	50	1.2	4.1	
2	0	0				0	4							
3	0	0				0	3							
4	0	0				0	4							
5	0	0				0	0							

AMH 'MH 1-27'





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220825 08:58

Pipe segment ref.:

1-27 1-26

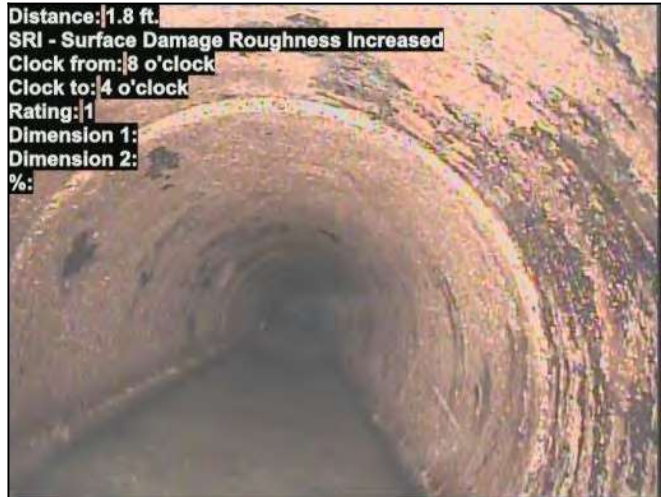


Photo: MH 1-27-MH 1-26-20220824-142111.JPG

At: 1.8 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-27-MH 1-26-20220824-142210.JPG

At: 21.2 ft. 8/. DAGS - Deposits Attached Grease

Joint: No 5 %



Photo: MH 1-27-MH 1-26-20220824-142255.JPG

At: 22.1 ft. 12/. RBC - Roots Ball Connection

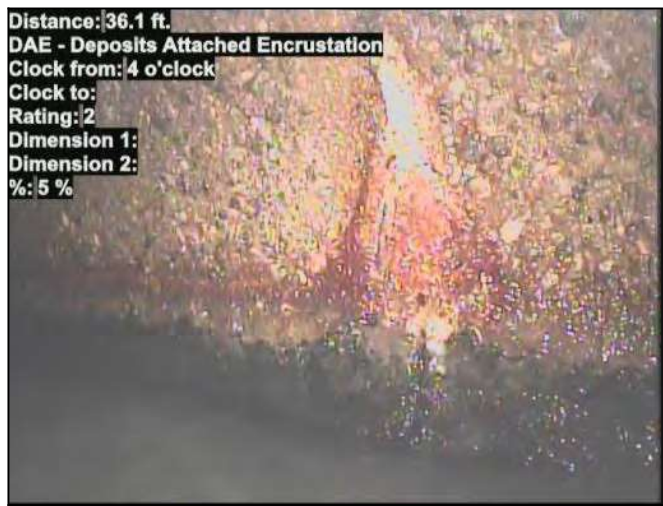
Joint: No 100 %



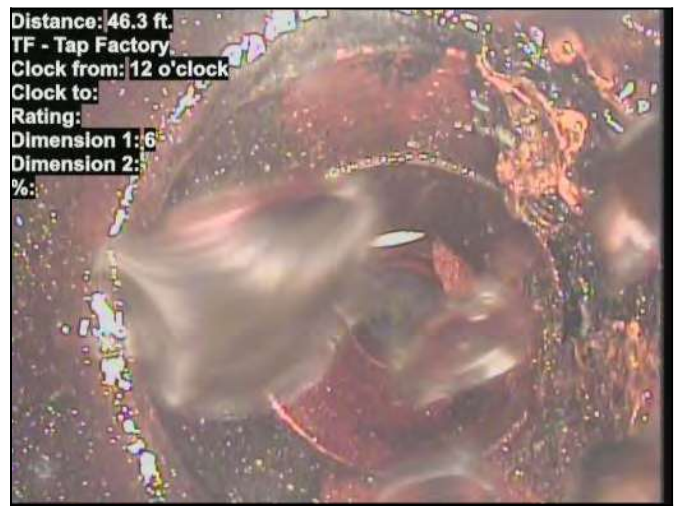
Photo: MH 1-27-MH 1-26-20220824-142241.JPG

At: 22.1 ft. 12/. TF - Tap Factory

Joint: No



Distance: 36.1 ft.
DAE - Deposits Attached Encrustation
Clock from: 4 o'clock
Clock to:
Rating: 2
Dimension 1:
Dimension 2:
%: 5 %
Photo: MH 1-27-MH 1-26-20220824-142354.JPG
At: 36.1 ft. 4/. DAE - Deposits Attached Encrustation
Joint: Yes 5 %



Distance: 46.3 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-27-MH 1-26-20220824-142432.JPG
At: 46.3 ft. 12/. TF - Tap Factory
Joint: No



Distance: 46.3 ft.
IDC - Infiltration Dripper Connection
Clock from: 12 o'clock
Clock to:
Rating: 3
Dimension 1:
Dimension 2:
%:
Photo: MH 1-27-MH 1-26-20220824-142450.JPG
At: 46.3 ft. 12/. IDC - Infiltration Dripper Connection
Joint: No



Distance: 68.6 ft.
ISJ - Infiltration Stain Joint
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-27-MH 1-26-20220824-142634.JPG
At: 68.6 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 110.7 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-27-MH 1-26-20220824-142807.JPG
At: 110.7 ft. 12/. TF - Tap Factory
Joint: No



Distance: 192.3 ft.
SRI - Surface Damage Roughness Increased
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-27-MH 1-26-20220824-143236.JPG
At: 192.3 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes

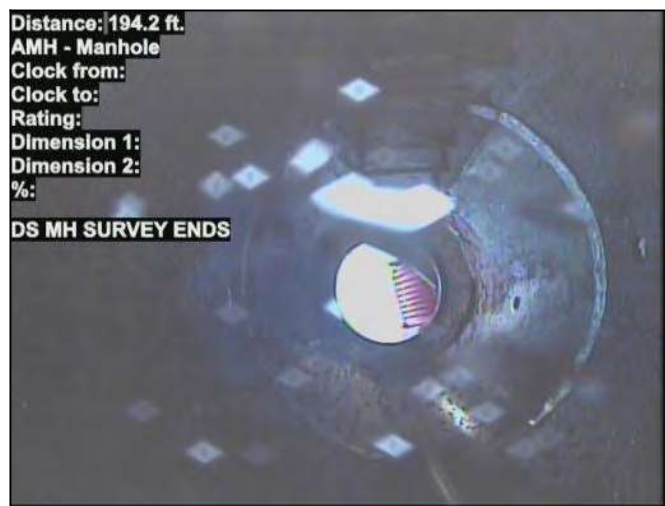


Photo: MH 1-27-MH 1-26-20220824-143327.JPG

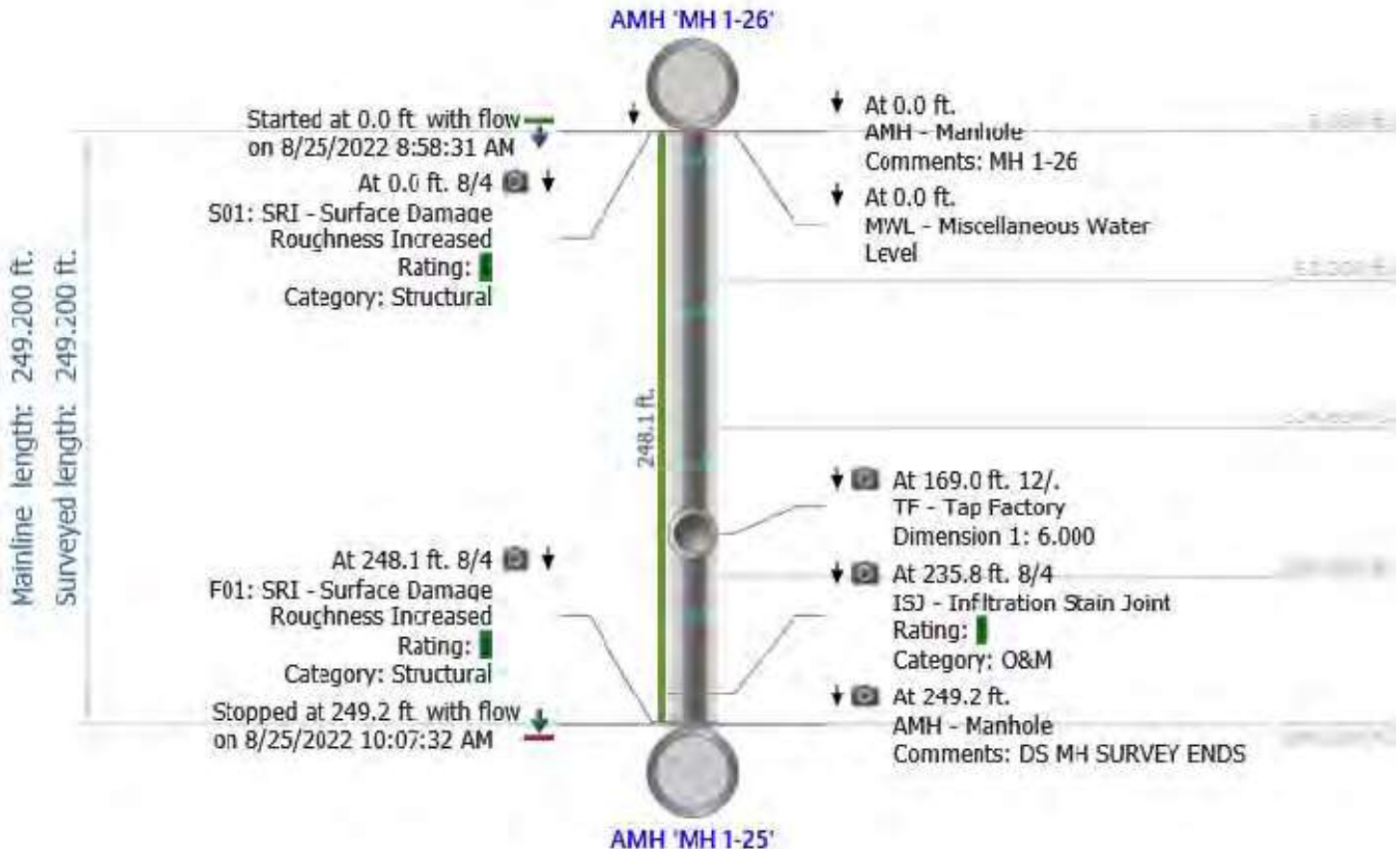
At: 194.2 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220825 08:58	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-26 1-25	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220825	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-26	Downstream MH No: MH 1-25	Direction: D	Total length: 249.200 ft.	Length surveyed: 249.200 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	50	50	1100	1.0	0	1	1	1100	1.0	51	1.0	2.0	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220825 11:11

Pipe segment ref.:

1-26 1-25



Photo: MH 1-26-MH 1-25-20220825-090036.JPG

At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-26-MH 1-25-20220825-092609.JPG

At: 169 ft. 12/ TF - Tap Factory

Joint: No



Photo: MH 1-26-MH 1-25-20220825-093006.JPG

At: 235.8 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-26-MH 1-25-20220825-100646.JPG

At: 248.1 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-26-MH 1-25-20220825-100724.JPG

At: 249.2 ft. AMH - Manhole

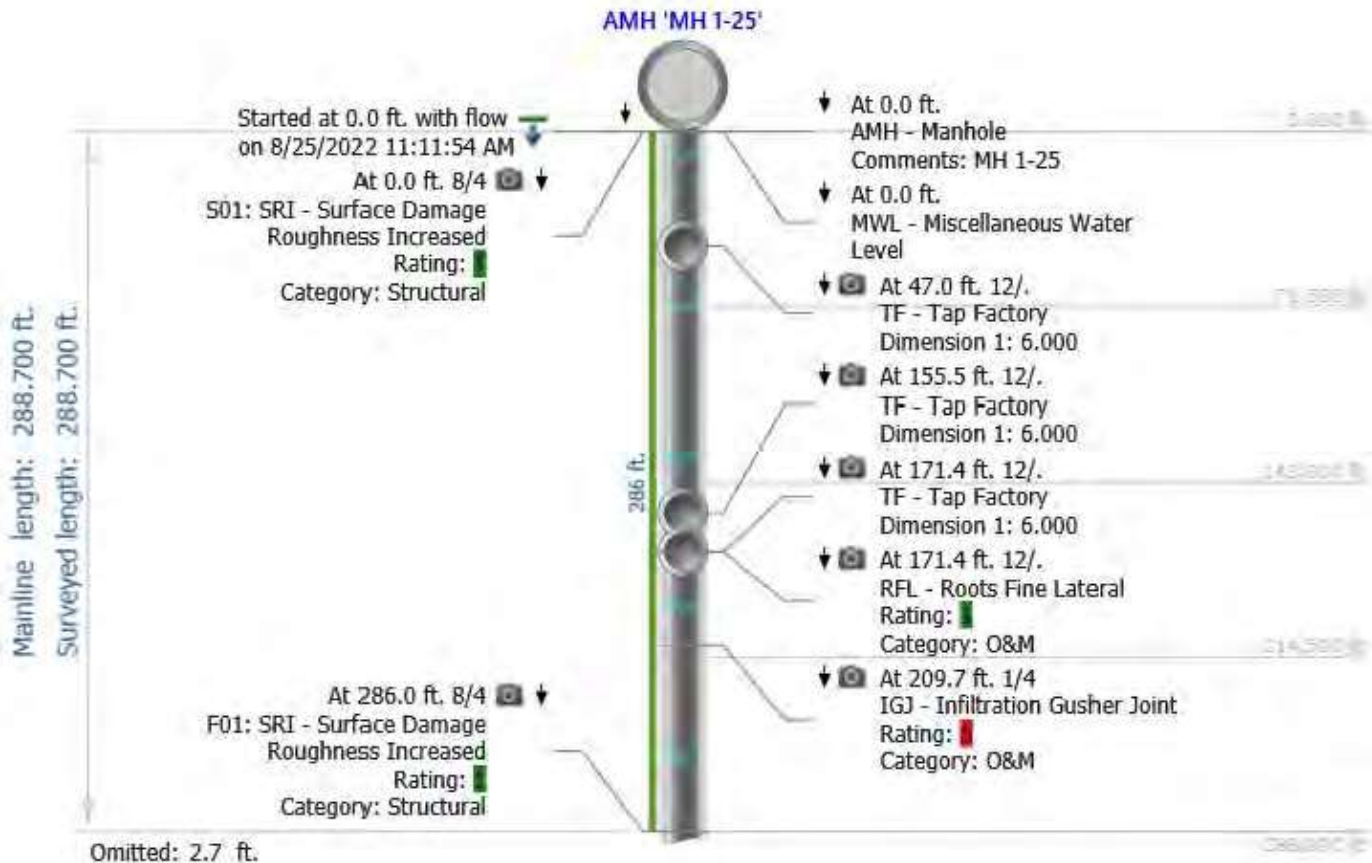
Joint: No DS MH SURVEY ENDS

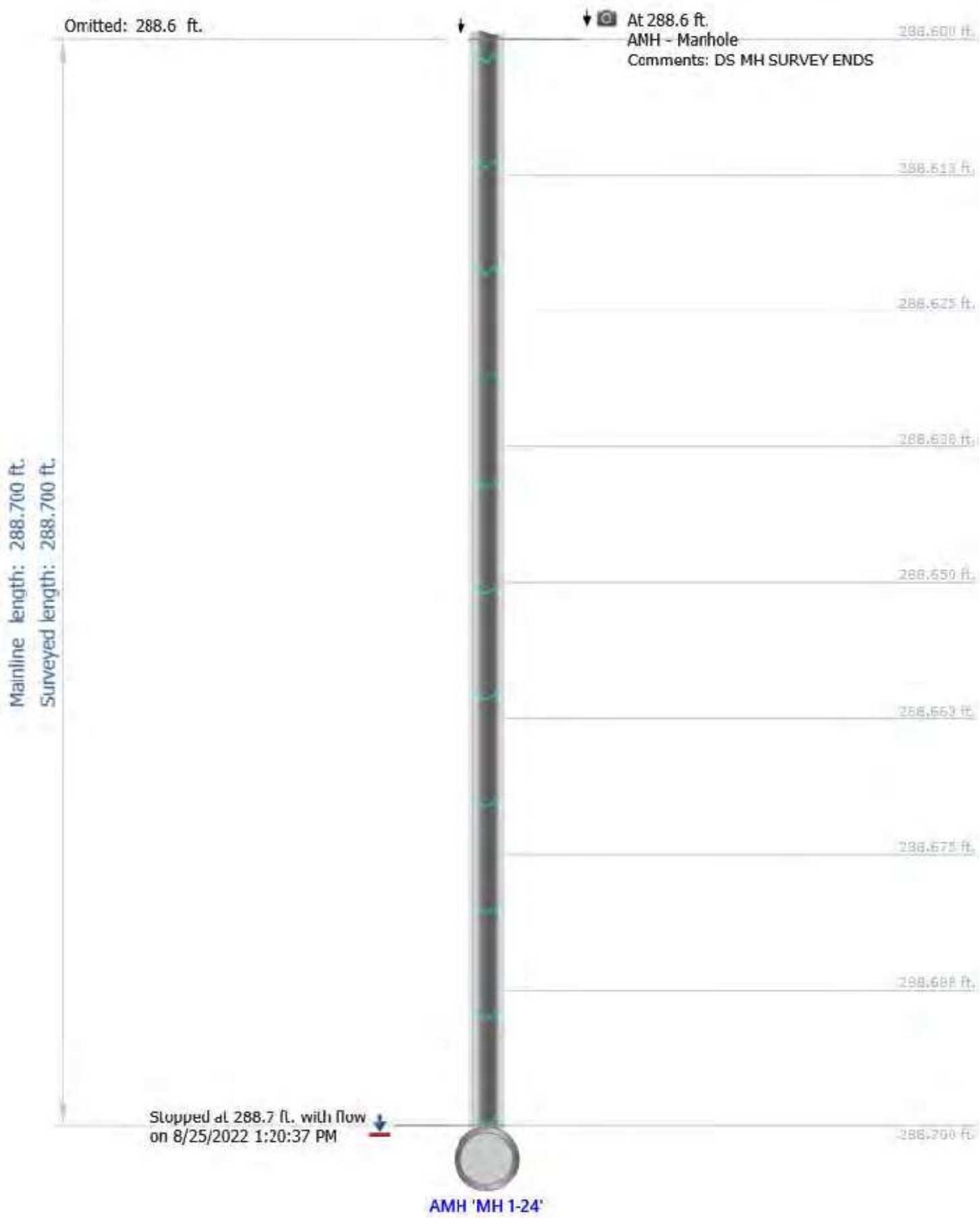
NWMCC INSPECTION REPORT

Start date/time: 20220825 11:11	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-25 1-24
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-25	Downstream MH No: MH 1-24	Direction: D	Total length: 288.700 ft.	Length surveyed: 288.700 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	57	57	1J00	1.0	0	1	6	5111	3.0	63	1.1	5.1	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	5							





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220825 13:22

Pipe segment ref.:

1-25 1-24



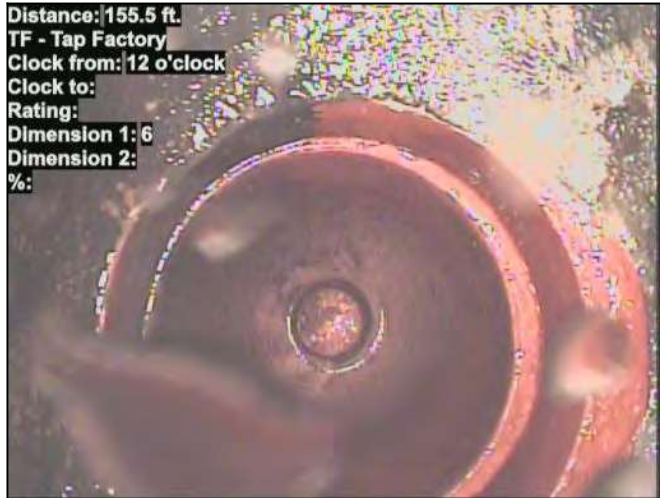
Distance: 0.0 ft.
SRI - Surface Damage Roughness Increased
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:

Photo: MH 1-25-MH 1-24-20220825-111257.JPG
At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Distance: 47.0 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-25-MH 1-24-20220825-115640.JPG
At: 47 ft. 12/. TF - Tap Factory
Joint: No



Distance: 155.5 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-25-MH 1-24-20220825-123703.JPG
At: 155.5 ft. 12/. TF - Tap Factory
Joint: No



Distance: 171.4 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-25-MH 1-24-20220825-123803.JPG
At: 171.4 ft. 12/. TF - Tap Factory
Joint: No



Photo: MH 1-25-MH 1-24-20220825-123814.JPG

At: 171.4 ft. 12/ RFL - Roots Fine Lateral

Joint: No



Photo: MH 1-25-MH 1-24-20220825-131617.JPG

At: 209.7 ft. 1/4 IGJ - Infiltration Gusher Joint

Joint: Yes



Photo: MH 1-25-MH 1-24-20220825-131921.JPG

At: 286 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-25-MH 1-24-20220825-132018.JPG

At: 288.6 ft. AMH - Manhole

Joint: No DS MH SURVEY ENDS

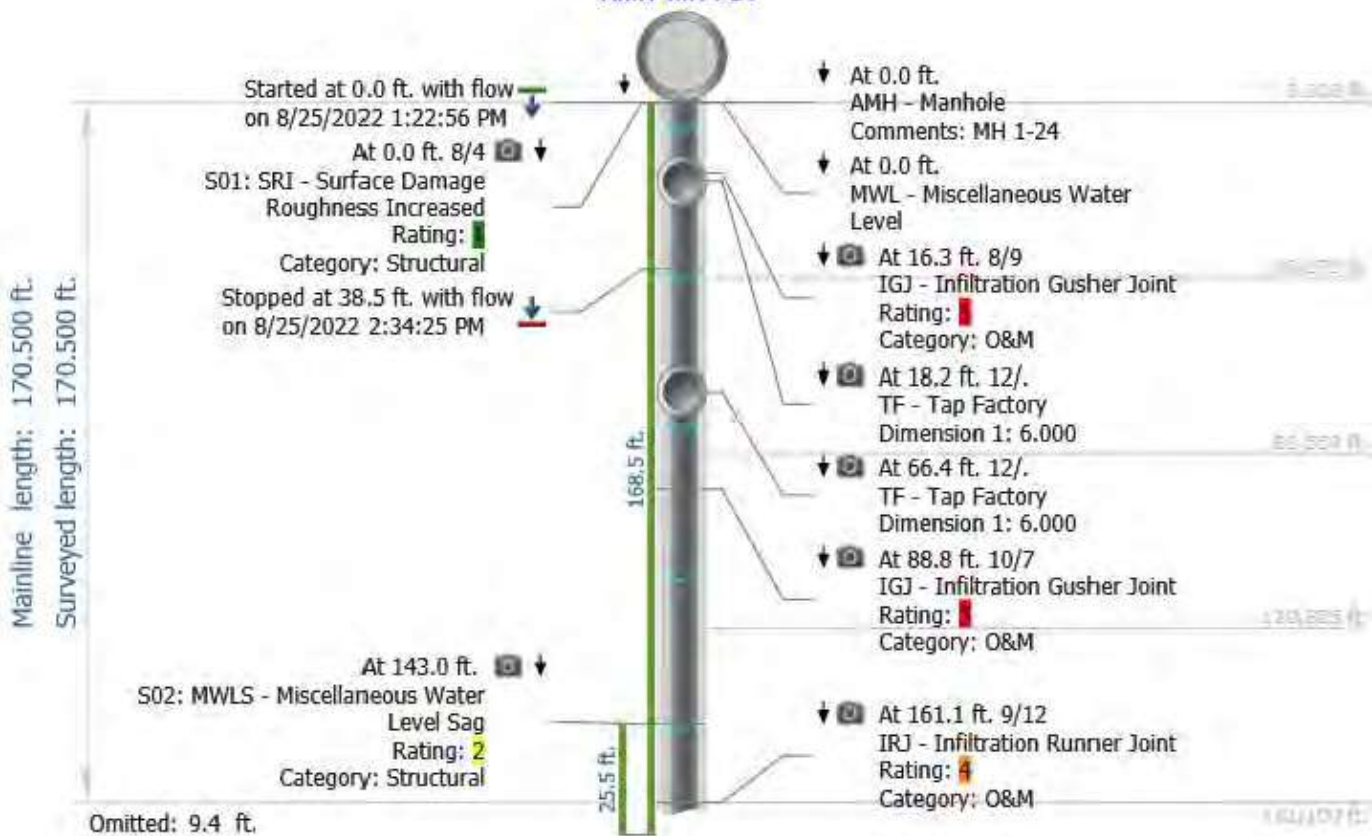
NWMCC INSPECTION REPORT

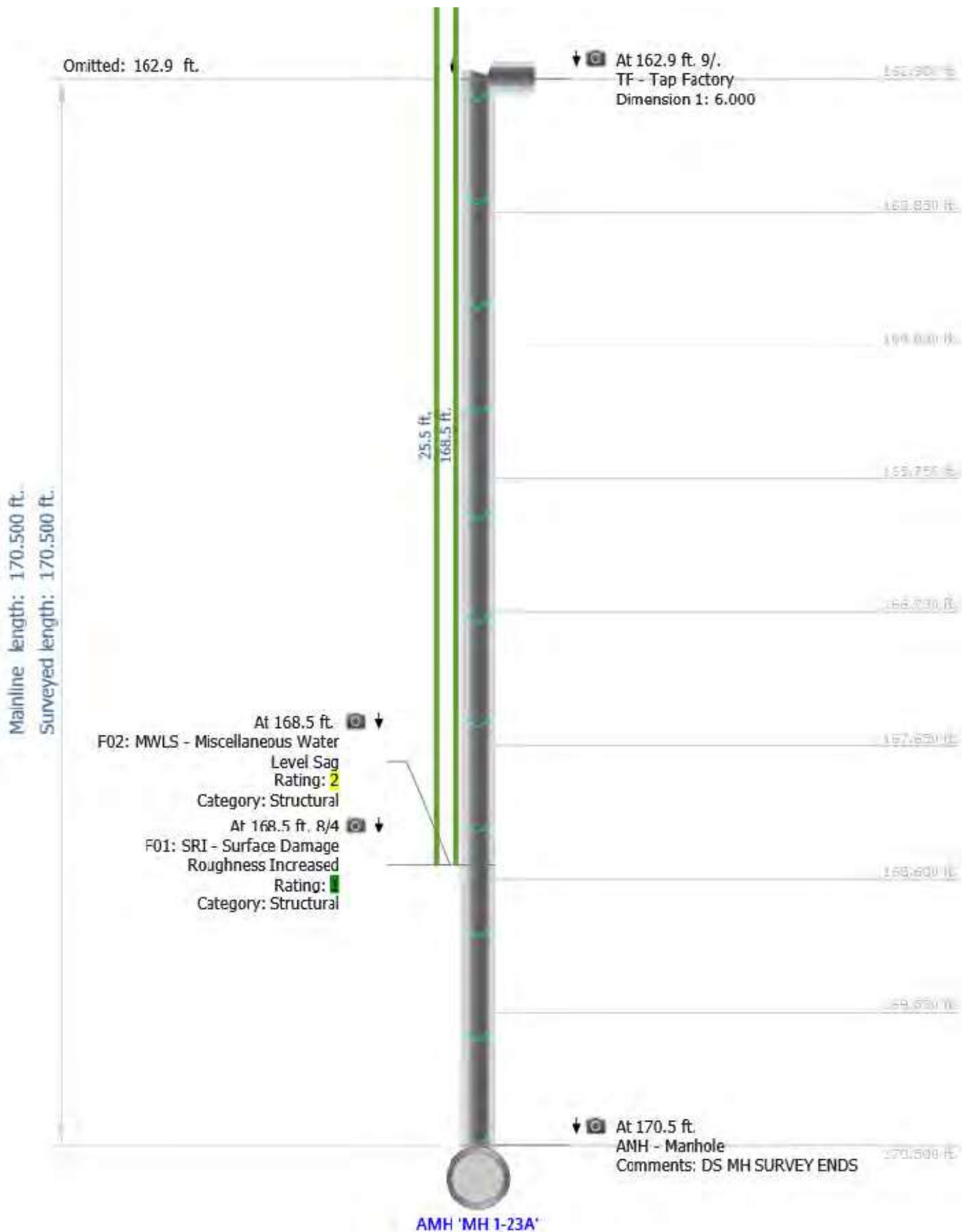
Start date/time: 20220825 13:22	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-24 1-23A
Owner:	Customer:	Pre-cleaning: Heavy Cleaning	Date cleaned: 20220825	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-24	Downstream MH No: MH 1-23A	Direction: D	Total length: 170.500 ft.	Length surveyed: 170.500 ft.
Purpose: Routine Assessment	Pipe joint length: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	34	44	251E	1.1	0	0	14	5241	4.7	58	1.4	5.2	
2	0	10				0	0							
3	0	0				0	0							
4	0	0				0	4							
5	0	0				0	10							

AMH 'MH 1-24'





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220829 09:15

Pipe segment ref.:

1-24 1-23A



Photo: MH 1-24-MH 1-23A-20220825-132452.JPG

At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-24-MH 1-23A-20220825-132605_1.JPG

At: 16.3 ft. 8/9 IGJ - Infiltration Gusher Joint

Joint: Yes



Photo: MH 1-24-MH 1-23A-20220825-132605.JPG

At: 16.3 ft. 8/9 IGJ - Infiltration Gusher Joint

Joint: Yes



Photo: MH 1-24-MH 1-23A-20220825-132643.JPG

At: 18.2 ft. 12/ TF - Tap Factory

Joint: No



Distance: 66.4 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-24-MH 1-23A-20220825-141138.JPG

At: 66.4 ft. 12/. TF - Tap Factory

Joint: No



Distance: 88.8 ft.
IGJ - Infiltration Gusher Joint
Clock from: 10 o'clock
Clock to: 7 o'clock
Rating: 5
Dimension 1:
Dimension 2:
%:

Photo: MH 1-24-MH 1-23A-20220825-141255.JPG

At: 88.8 ft. 10/7 IGJ - Infiltration Gusher Joint

Joint: Yes



Distance: 143.0 ft.
MWLS - Miscellaneous Water Level Sag
Clock from:
Clock to:
Rating: 2
Dimension 1:
Dimension 2:
%: 10 %

Photo: MH 1-24-MH 1-23A-20220825-141651.JPG

At: 143 ft. MWLS - Miscellaneous Water Level Sag

Joint: No 10 %



Distance: 161.1 ft.
IRJ - Infiltration Runner Joint
Clock from: 9 o'clock
Clock to: 12 o'clock
Rating: 4
Dimension 1:
Dimension 2:
%:

Photo: MH 1-24-MH 1-23A-20220825-142556.JPG

At: 161.1 ft. IRJ - Infiltration Runner Joint

Joint: Yes



Distance: 162.9 ft.
TF - Tap Factory
Clock from: 9 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-24-MH 1-23A-20220825-142636.JPG

At: 162.9 ft. 9/. TF - Tap Factory

Joint: Yes



Distance: 168.5 ft.
SRI - Surface Damage Roughness Increased
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:

Photo: MH 1-24-MH 1-23A-20220825-142731.JPG

At: 168.5 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-24-MH 1-23A-20220825-142721.JPG
At: 168.5 ft. MWLS - Miscellaneous Water Level Sag
Joint: No 10 %



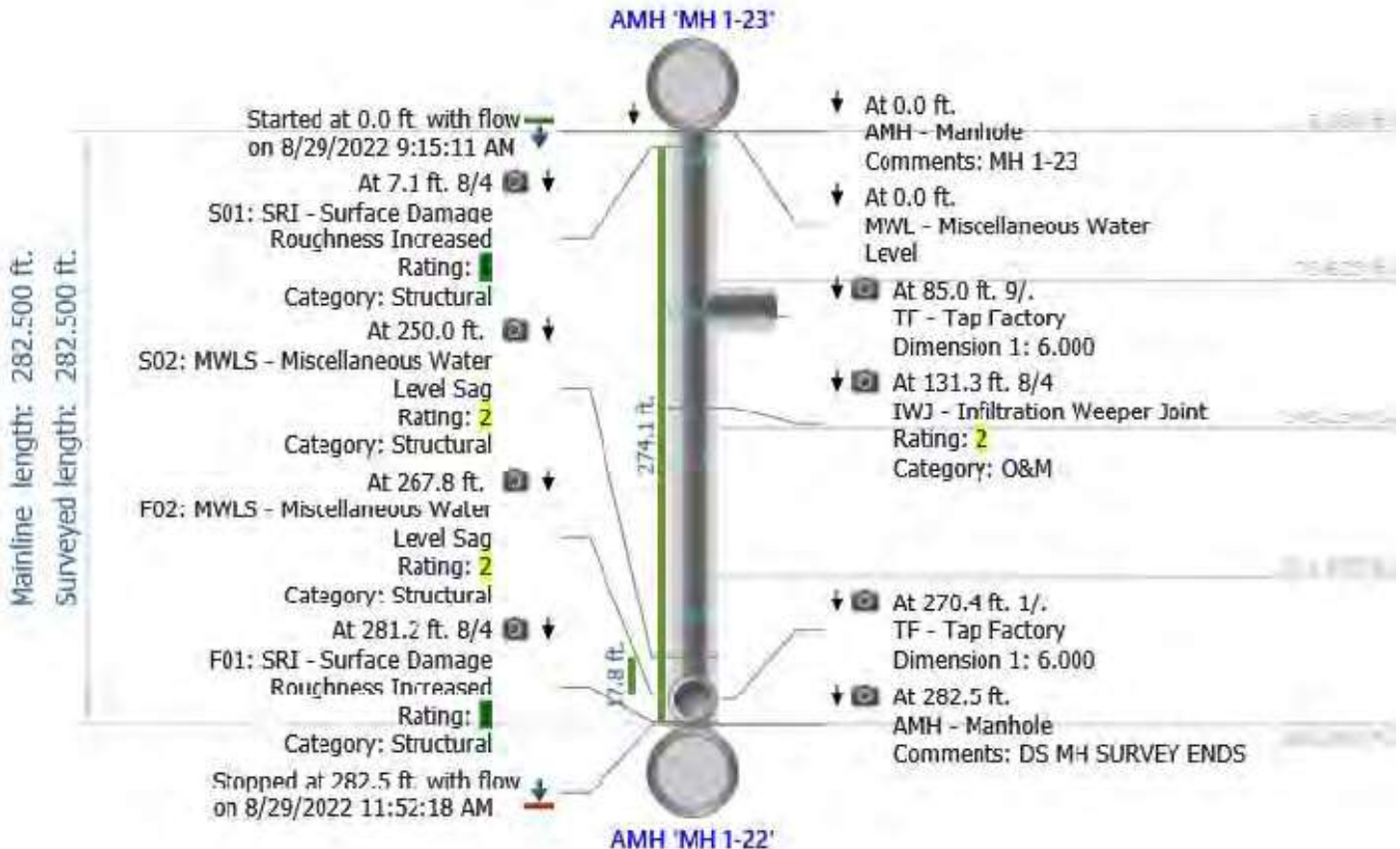
Photo: MH 1-24-MH 1-23A-20220825-142850.JPG
At: 170.5 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220829 09:15	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-23 1-22
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220829	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-23	Downstream MH No: MH 1-22	Direction: D	Total length: 282.500 ft.	Length surveyed: 282.500 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	55	63	241J	1.1	0	0	2	2100	2.0	65	1.1	2.5	
2	0	8				0	2							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220829 11:53

Pipe segment ref.:

1-23 1-22



Photo: MH 1-23-MH 1-22-20220829-093514.JPG

At: 7.1 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-23-MH 1-22-20220829-105206.JPG

At: 85 ft. 9/. TF - Tap Factory

Joint: No



Photo: MH 1-23-MH 1-22-20220829-111040.JPG

At: 131.3 ft. 8/4 IWJ - Infiltration Weeper Joint

Joint: Yes



Photo: MH 1-23-MH 1-22-20220829-114957.JPG

At: 250 ft. MWLS - Miscellaneous Water Level Sag

Joint: No 20 %



Distance: 267.8 ft.
 MWLS - Miscellaneous Water Level Sag
 Clock from:
 Clock to:
 Rating: 2
 Dimension 1:
 Dimension 2:
 %: 20 %

Photo: MH 1-23-MH 1-22-20220829-115030.JPG
 At: 267.8 ft. MWLS - Miscellaneous Water Level Sag
 Joint: No 20 %



Distance: 270.4 ft.
 TF - Tap Factory
 Clock from: 1 o'clock
 Clock to:
 Rating:
 Dimension 1: 6
 Dimension 2:
 %:

Photo: MH 1-23-MH 1-22-20220829-115047.JPG
 At: 270.4 ft. 1/. TF - Tap Factory
 Joint: No



Distance: 281.2 ft.
 SRI - Surface Damage Roughness Increased
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 1
 Dimension 1:
 Dimension 2:
 %:

Photo: MH 1-23-MH 1-22-20220829-115151.JPG
 At: 281.2 ft. 8/4 SRI - Surface Damage Roughness Increased
 Joint: Yes



Distance: 282.5 ft.
 AMH - Manhole
 Clock from:
 Clock to:
 Rating:
 Dimension 1:
 Dimension 2:
 %:

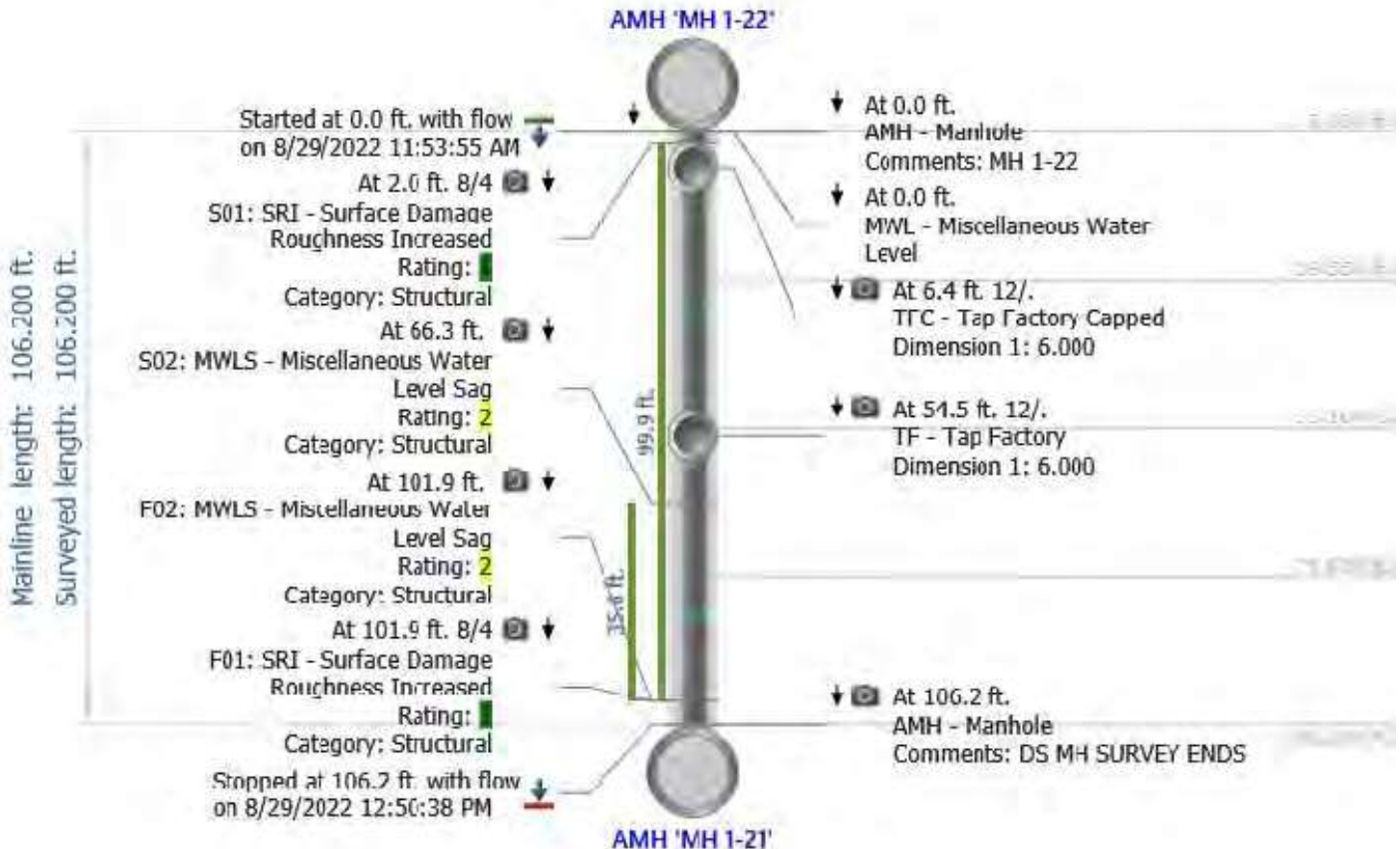
Photo: MH 1-23-MH 1-22-20220829-115204.JPG
 At: 282.5 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220829 11:53	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-22 1-21	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220829	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-22	Downstream MH No: MH 1-21	Direction: D	Total length: 106.200 ft.	Length surveyed: 106.200 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	20	34	271C	1.3	0	0	0	0000	0.0	34	1.3	2.7	
2	0	14				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220829 12:51

Pipe segment ref.:

1-22 1-21



Photo: MH 1-22-MH 1-21-20220829-115540.JPG

At: 2 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes

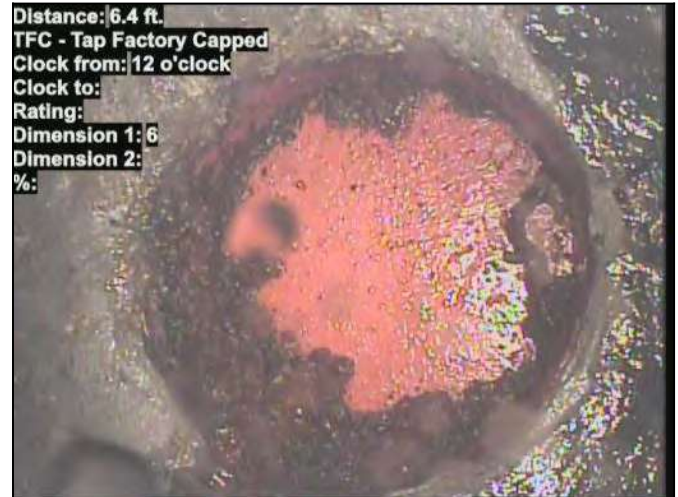


Photo: MH 1-22-MH 1-21-20220829-115613.JPG

At: 6.4 ft. 12/ TFC - Tap Factory Capped

Joint: No



Photo: MH 1-22-MH 1-21-20220829-120227.JPG

At: 54.5 ft. 12/ TF - Tap Factory

Joint: No



Photo: MH 1-22-MH 1-21-20220829-120259.JPG

At: 66.3 ft. MWLS - Miscellaneous Water Level Sag

Joint: No 20 %



Photo: MH 1-22-MH 1-21-20220829-120633.JPG
 At: 101.9 ft. MWLS - Miscellaneous Water Level Sag
 Joint: No 20 %



Photo: MH 1-22-MH 1-21-20220829-120642.JPG
 At: 101.9 ft. 8/4 SRI - Surface Damage Roughness Increased
 Joint: Yes



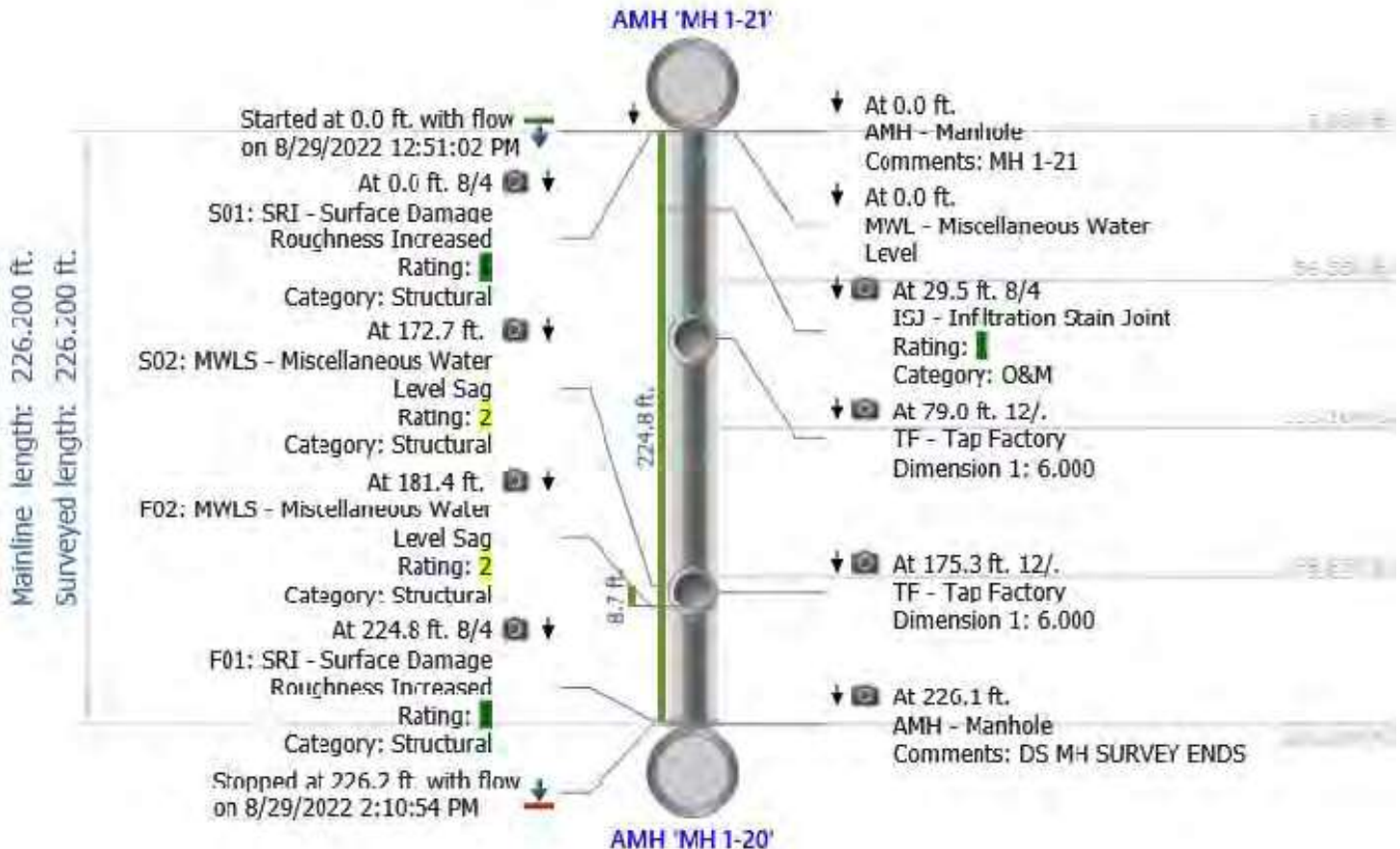
Photo: MH 1-22-MH 1-21-20220829-124724.JPG
 At: 106.2 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220829 12:51	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-21 1-20	
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned: 20220829	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-21	Downstream MH No: MH 1-20	Direction: D	Total length: 226.200 ft.	Length surveyed: 226.200 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF
1	0	45	49	221H	1.0	0	1	1	1100	1.0	50	1.0	2.2	
2	0	4				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	GREENMANVILLE AVE	20220829 14:11	1-21 1-20



Photo: MH 1-21-MH 1-20-20220829-125158.JPG
At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-21-MH 1-20-20220829-131435.JPG
At: 29.5 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-21-MH 1-20-20220829-133636.JPG
At: 79 ft. 12/. TF - Tap Factory
Joint: No



Photo: MH 1-21-MH 1-20-20220829-135630.JPG
At: 172.7 ft. MWLS - Miscellaneous Water Level Sag
Joint: No 25 %



Photo: MH 1-21-MH 1-20-20220829-135617.JPG

At: 175.3 ft. 12/. TF - Tap Factory

Joint: No



Photo: MH 1-21-MH 1-20-20220829-135646.JPG

At: 181.4 ft. MWLS - Miscellaneous Water Level Sag

Joint: No 25 %

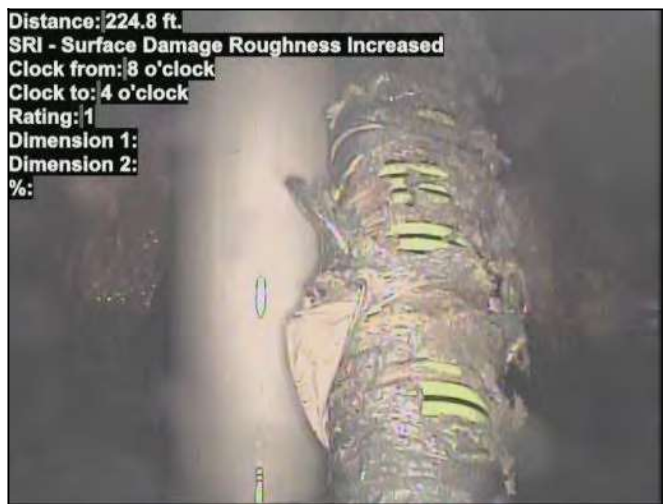


Photo: MH 1-21-MH 1-20-20220829-140025.JPG

At: 224.8 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-21-MH 1-20-20220829-140042.JPG

At: 226.1 ft. AMH - Manhole

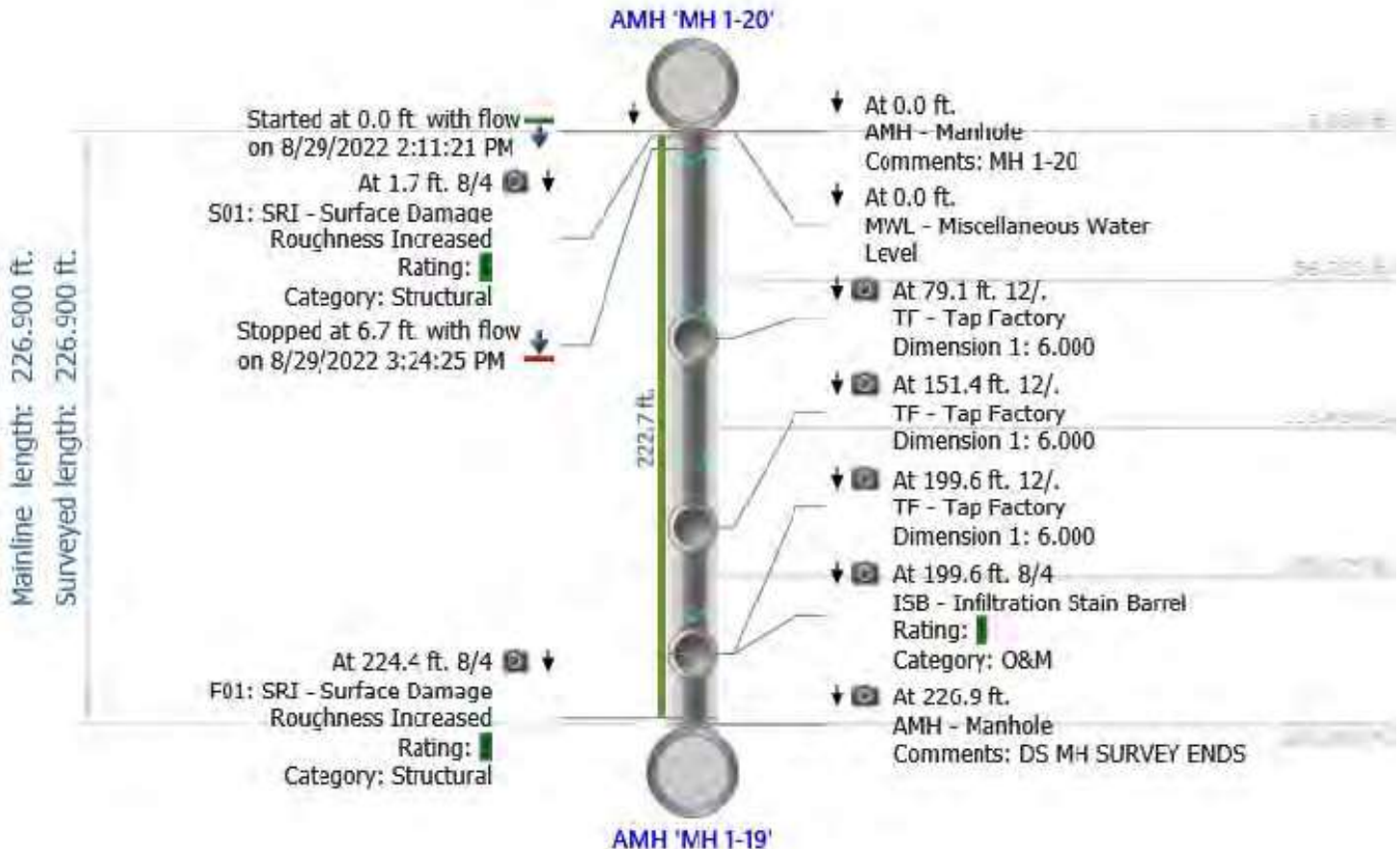
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220829 14:11	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-20 1-19	
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-20	Downstream MH No: MH 1-19	Direction: D	Total length: 226.900 ft.	Length surveyed: 226.900 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF
1	0	45	45	1H00	1.0	0	1	1	1100	1.0	46	1.0	2.0	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220829 15:25

Pipe segment ref.:

1-20 1-19



Photo: MH 1-20-MH 1-19-20220829-142506.JPG

At: 1.7 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-20-MH 1-19-20220829-143828.JPG

At: 79.1 ft. 12/. TF - Tap Factory

Joint: No



Photo: MH 1-20-MH 1-19-20220829-144210.JPG

At: 151.4 ft. 12/. TF - Tap Factory

Joint: No



Photo: MH 1-20-MH 1-19-20220829-144446.JPG

At: 199.6 ft. 12/. TF - Tap Factory

Joint: No

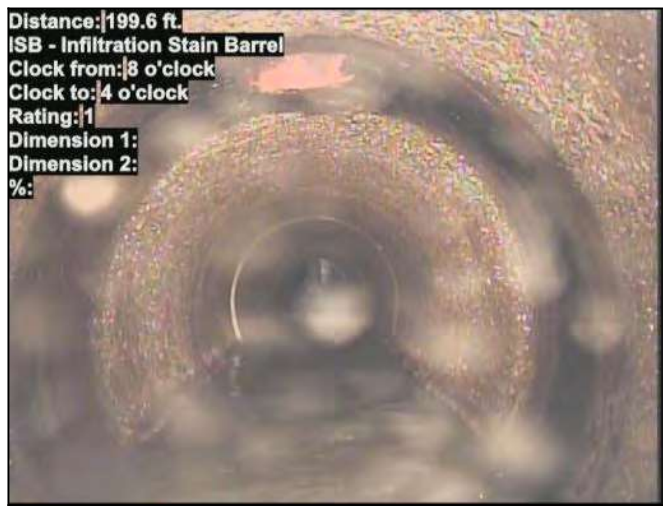


Photo: MH 1-20-MH 1-19-20220829-144458.JPG
At: 199.6 ft. 8/4 ISB - Infiltration Stain Barrel
Joint: No



Photo: MH 1-20-MH 1-19-20220829-144902.JPG
At: 224.4 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



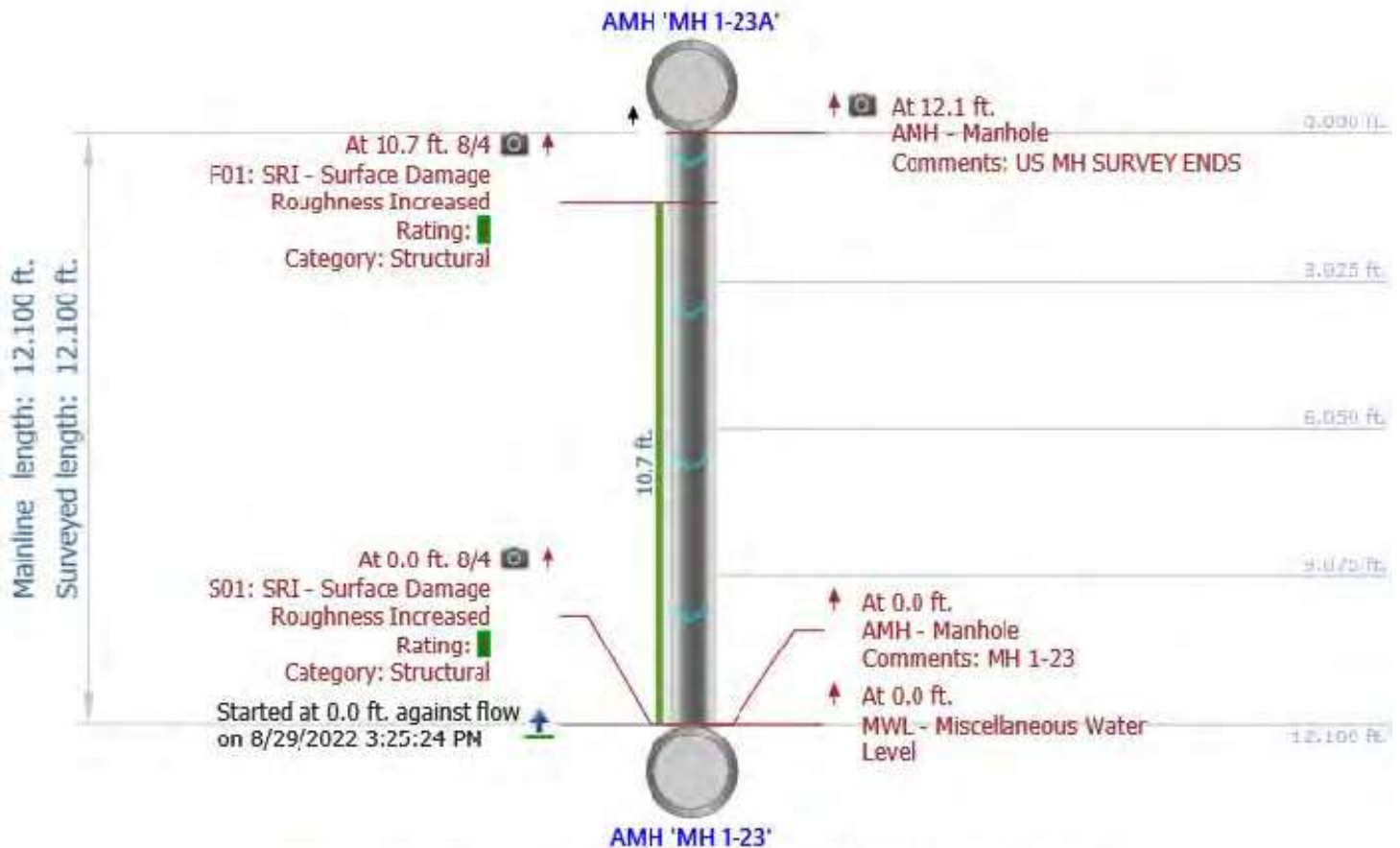
Photo: MH 1-20-MH 1-19-20220829-144917.JPG
At: 226.9 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220829 15:25	Weather: Dry Weather/Wet Ground	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-23A 1-23	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220829	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-23A	Downstream MH No: MH 1-23	Direction: U	Total length: 12.100 ft.	Length surveyed: 12.100 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Overall:		
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index		Pipe Rating	Pipe Rating Index	LoF
1	0	2	2	1200	1.0	0	0	0	0000	0.0	2	1.0	1.2	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	GREENMANVILLE AVE	20220830 08:45	1-23A 1-23



Photo: MH 1-23A-MH 1-23-20220829-152620.JPG
At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-23A-MH 1-23-20220829-152714.JPG
At: 10.7 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



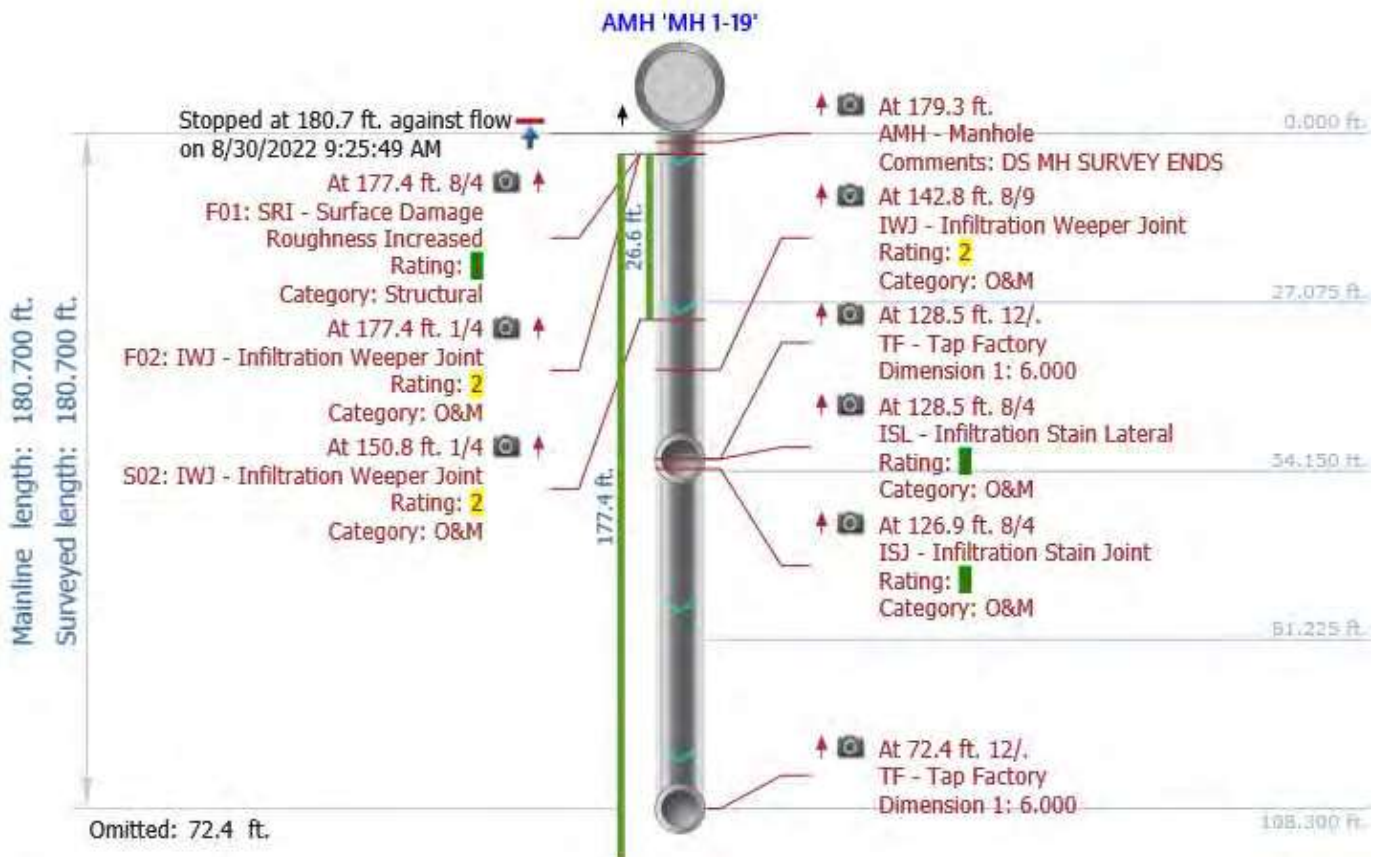
Photo: MH 1-23A-MH 1-23-20220829-152726.JPG
At: 12.1 ft. AMH - Manhole
Joint: No US MH SURVEY ENDS

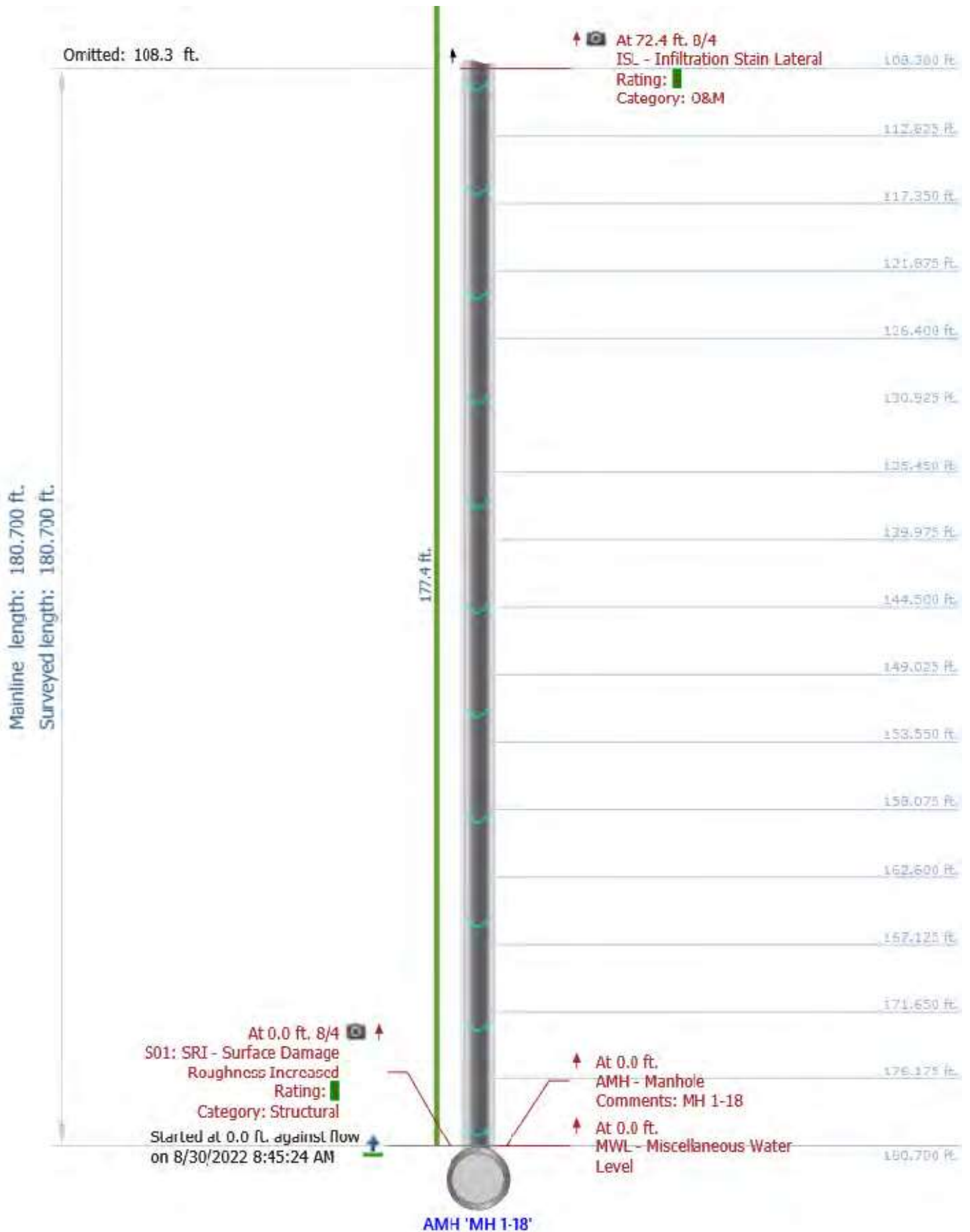
NWMCC INSPECTION REPORT

Start date/time: 20220830 08:45	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-19 1-18	
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-19	Downstream MH No: MH 1-18	Direction: U	Total length: 180.700 ft.	Length surveyed: 180.700 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	35	35	1F00	1.0	0	3	15	2613	1.7	50	1.1	2.6	
2	0	0				0	12							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220830 09:28

Pipe segment ref.:

1-19 1-18



Photo: MH 1-19-MH 1-18-20220830-090743.JPG

At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-19-MH 1-18-20220830-091322.JPG

At: 72.4 ft. 8/4 ISL - Infiltration Stain Lateral

Joint: No



Photo: MH 1-19-MH 1-18-20220830-091253.JPG

At: 72.4 ft. 12/ TF - Tap Factory

Joint: No



Photo: MH 1-19-MH 1-18-20220830-091559.JPG

At: 126.9 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Distance: 128.5 ft.
ISL - Infiltration Stain Lateral
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-19-MH 1-18-20220830-091748.JPG
At: 128.5 ft. 8/4 ISL - Infiltration Stain Lateral
Joint: Yes



Distance: 128.5 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-19-MH 1-18-20220830-091733.JPG
At: 128.5 ft. 12/. TF - Tap Factory
Joint: No



Distance: 142.8 ft.
IWJ - Infiltration Weeper Joint
Clock from: 8 o'clock
Clock to: 9 o'clock
Rating: 2
Dimension 1:
Dimension 2:
%:
Photo: MH 1-19-MH 1-18-20220830-091907.JPG
At: 142.8 ft. 8/9 IWJ - Infiltration Weeper Joint
Joint: Yes



8/30/2022 9:23:04 AM
Upstream MH No: AMH 'MH 1-19'
Downstream MH No: AMH 'MH 1-18'
Height: 24 In.
173.8 ft.
Photo: MH 1-19-MH 1-18-20220830-092042_1.JPG
At: 150.8 ft. 1/4 IWJ - Infiltration Weeper Joint
Joint: Yes



Distance: 150.8 ft.
IWJ - Infiltration Weeper Joint
Clock from: 1 o'clock
Clock to: 4 o'clock
Rating: 2
Dimension 1:
Dimension 2:
%:
Photo: MH 1-19-MH 1-18-20220830-092042.JPG
At: 150.8 ft. 1/4 IWJ - Infiltration Weeper Joint
Joint: Yes



Distance: 177.4 ft.
IWJ - Infiltration Weeper Joint
Clock from: 1 o'clock
Clock to: 4 o'clock
Rating: 2
Dimension 1:
Dimension 2:
%:
Photo: MH 1-19-MH 1-18-20220830-092332.JPG
At: 177.4 ft. 1/4 IWJ - Infiltration Weeper Joint
Joint: Yes

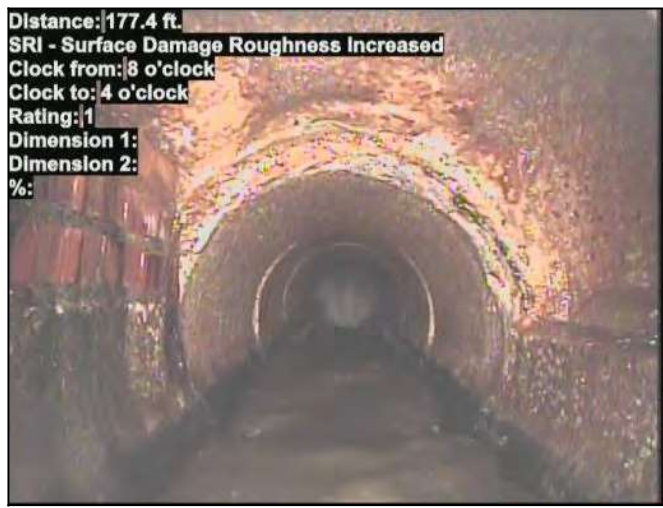


Photo: MH 1-19-MH 1-18-20220830-092320.JPG
At: 177.4 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



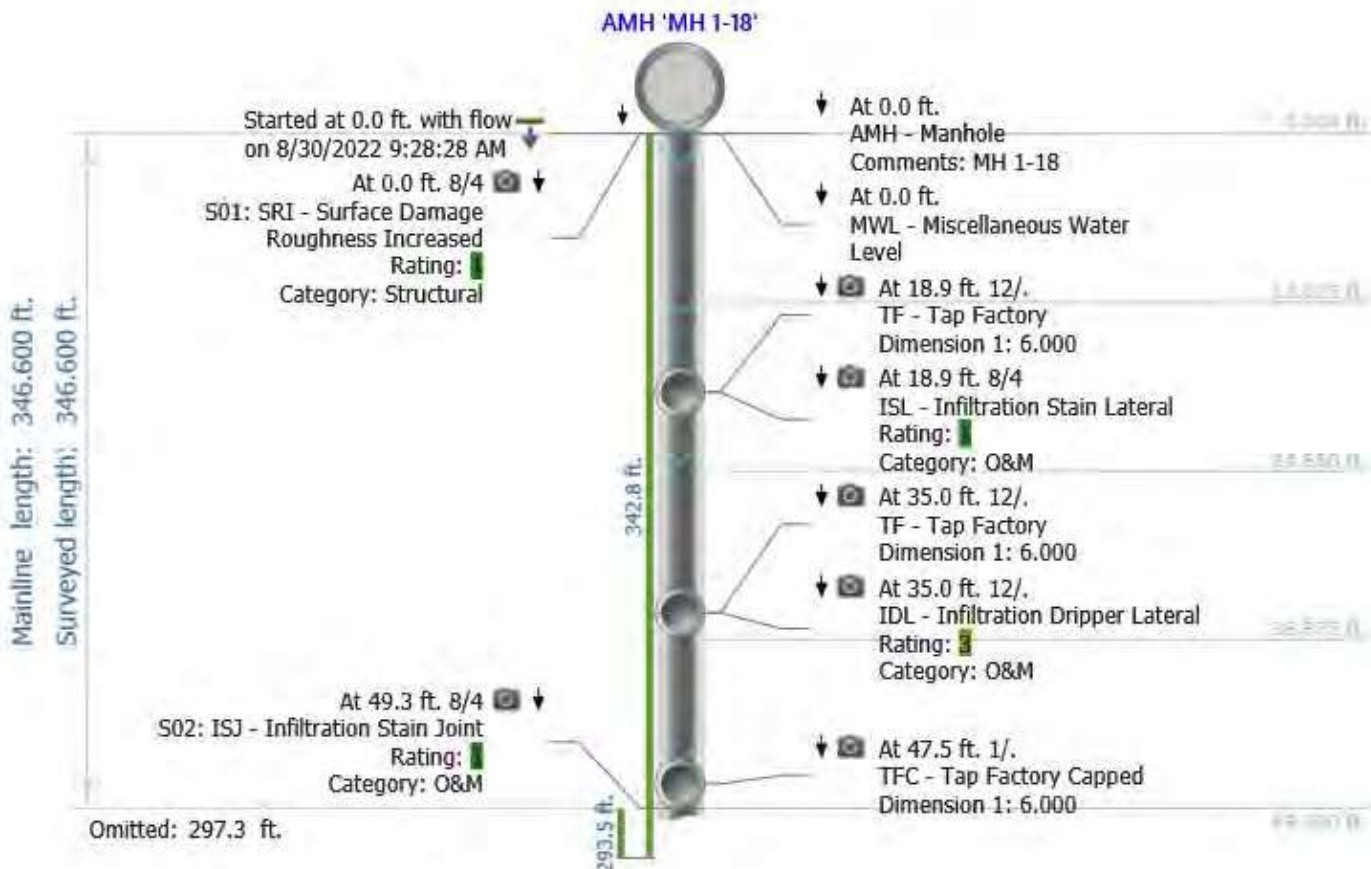
Photo: MH 1-19-MH 1-18-20220830-092411.JPG
At: 179.3 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

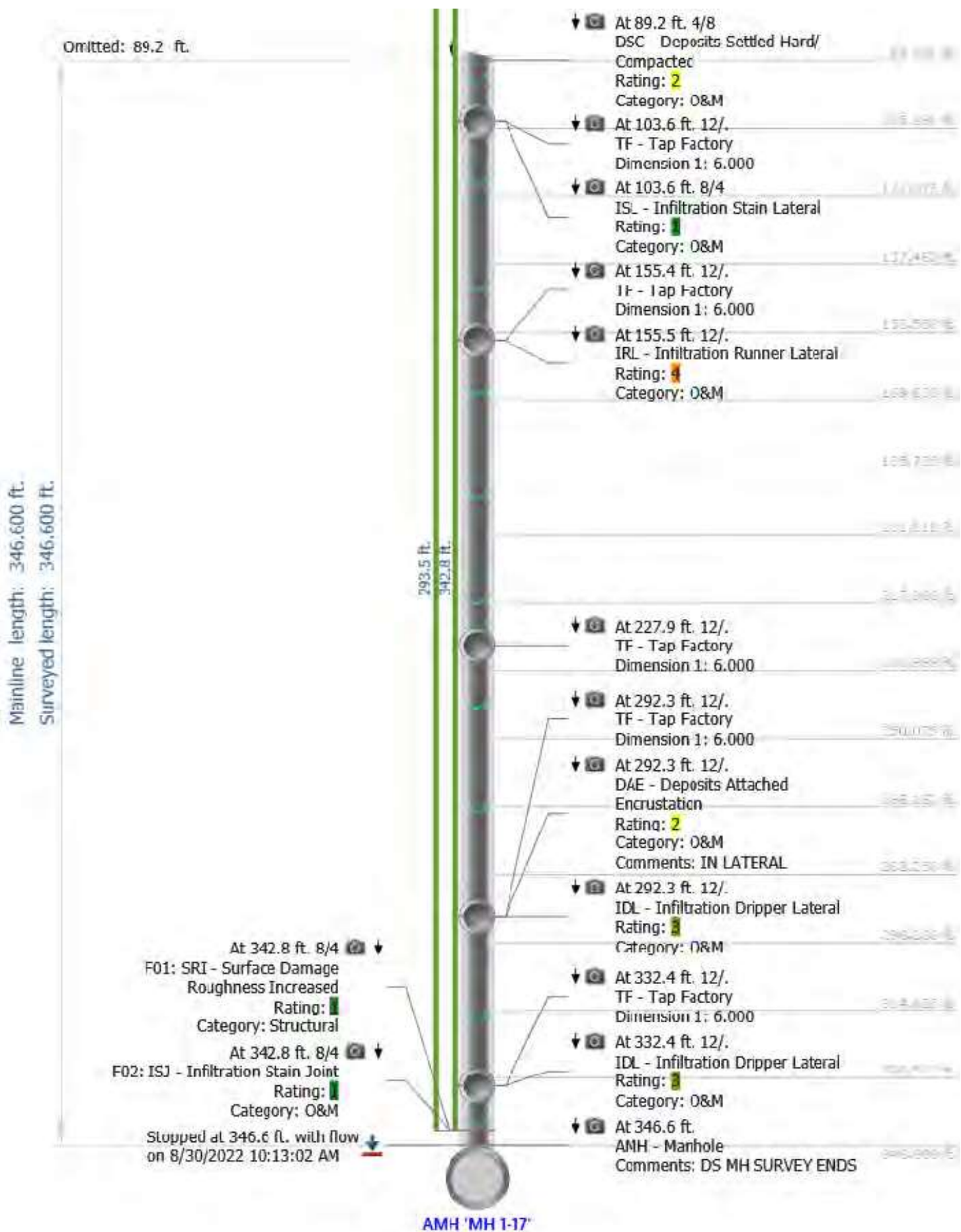
NWMCC INSPECTION REPORT

Start date/time: 20220830 09:28	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-18 1-17
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220830	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-18	Downstream MH No: MH 1-17	Direction: D	Total length: 346.600 ft.	Length surveyed: 346.600 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Defects	Structural:				Defects	Segment Grade	O&M:			Pipe Rating	Pipe Rating Index	LoF	Risk
		Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index				
1	0	69	69	1L00	1.0	0	61	78	4133	1.2	147	1.1	4.1	
2	0	0				0	4							
3	0	0				0	9							
4	0	0				0	4							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

GREENMANVILLE AVE

Start date/time:

20220830 10:14

Pipe segment ref.:

1-18 1-17

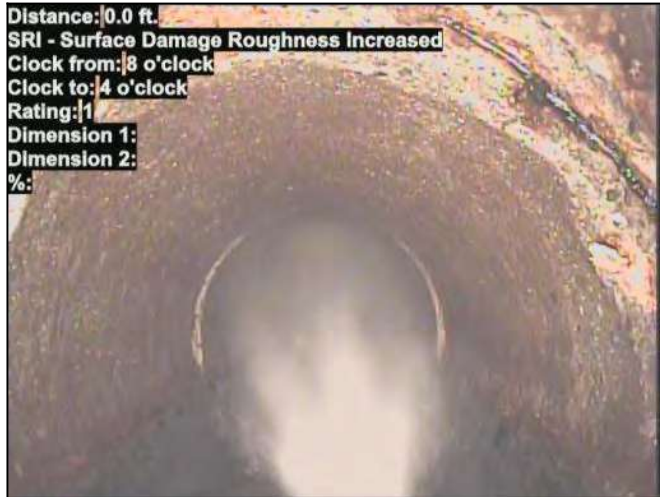


Photo: MH 1-18-MH 1-17-20220830-092918.JPG

At: 0 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-093036.JPG

At: 18.9 ft. 12/. TF - Tap Factory

Joint: No



Photo: MH 1-18-MH 1-17-20220830-093055.JPG

At: 18.9 ft. 8/4 ISL - Infiltration Stain Lateral

Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-093215.JPG

At: 35 ft. 12/. IDL - Infiltration Dripper Lateral

Joint: Yes



Distance: 35.0 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-18-MH 1-17-20220830-093210.JPG
At: 35 ft. 12/. TF - Tap Factory
Joint: No



Distance: 47.5 ft.
TFC - Tap Factory Capped
Clock from: 1 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-18-MH 1-17-20220830-093314.JPG
At: 47.5 ft. 1/. TFC - Tap Factory Capped
Joint: Yes



8/30/2022 9:36:07 AM
Upstream MH No: AMH 'MH 1-18'
Downstream MH No: AMH 'MH 1-17'
Height: 24 in.
Photo: MH 1-18-MH 1-17-20220830-093456_3.JPG
At: 49.3 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



8/30/2022 9:35:11 AM
Upstream MH No: AMH 'MH 1-18'
Downstream MH No: AMH 'MH 1-17'
Height: 24 in.
Photo: MH 1-18-MH 1-17-20220830-093456_2.JPG
At: 49.3 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



8/30/2022 9:34:44 AM
Upstream MH No: AMH 'MH 1-18'
Downstream MH No: AMH 'MH 1-17'
Height: 24 in.
Photo: MH 1-18-MH 1-17-20220830-093456_1.JPG
At: 49.3 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 49.3 ft.
ISJ - Infiltration Stain Joint
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-18-MH 1-17-20220830-093456.JPG
At: 49.3 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-093656_3.JPG
 At: 89.2 ft. 4/8 DSC - Deposits Settled Hard/Compacted
 Joint: Yes 10 %



Photo: MH 1-18-MH 1-17-20220830-093656_2.JPG
 At: 89.2 ft. 4/8 DSC - Deposits Settled Hard/Compacted
 Joint: Yes 10 %



Photo: MH 1-18-MH 1-17-20220830-093656_1.JPG
 At: 89.2 ft. 4/8 DSC - Deposits Settled Hard/Compacted
 Joint: Yes 10 %



Photo: MH 1-18-MH 1-17-20220830-093656.JPG
 At: 89.2 ft. 4/8 DSC - Deposits Settled Hard/Compacted
 Joint: Yes 10 %



Photo: MH 1-18-MH 1-17-20220830-093939.JPG
 At: 103.6 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-18-MH 1-17-20220830-094013_5.JPG
 At: 103.6 ft. 8/4 ISL - Infiltration Stain Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-094013_4.JPG
 At: 103.6 ft. 8/4 ISL - Infiltration Stain Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-094013_3.JPG
 At: 103.6 ft. 8/4 ISL - Infiltration Stain Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-094013_2.JPG
 At: 103.6 ft. 8/4 ISL - Infiltration Stain Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-094013_1.JPG
 At: 103.6 ft. 8/4 ISL - Infiltration Stain Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-094013.JPG
 At: 103.6 ft. 8/4 ISL - Infiltration Stain Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-100047.JPG
 At: 155.4 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-18-MH 1-17-20220830-100052_4.JPG
 At: 155.5 ft. 12/. IRL - Infiltration Runner Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-100052_3.JPG
 At: 155.5 ft. 12/. IRL - Infiltration Runner Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-100052_2.JPG
 At: 155.5 ft. 12/. IRL - Infiltration Runner Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-100052_1.JPG
 At: 155.5 ft. 12/. IRL - Infiltration Runner Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-100052.JPG
 At: 155.5 ft. 12/. IRL - Infiltration Runner Lateral
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-100437.JPG
 At: 227.9 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-18-MH 1-17-20220830-100821_1.JPG
At: 292.3 ft. 12/. IDL - Infiltration Dripper Lateral
Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-100821.JPG
At: 292.3 ft. 12/. IDL - Infiltration Dripper Lateral
Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-100725.JPG
At: 292.3 ft. 12/. TF - Tap Factory
Joint: No



Photo: MH 1-18-MH 1-17-20220830-100737.JPG
At: 292.3 ft. 12/. DAE - Deposits Attached Encrustation
Joint: No 10 % IN LATERAL



Photo: MH 1-18-MH 1-17-20220830-101055.JPG
At: 332.4 ft. 12/. TF - Tap Factory
Joint: No



Photo: MH 1-18-MH 1-17-20220830-101132.JPG
At: 332.4 ft. 12/. IDL - Infiltration Dripper Lateral
Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-101206.JPG
 At: 342.8 ft. 8/4 SRI - Surface Damage Roughness Increased
 Joint: Yes



Photo: MH 1-18-MH 1-17-20220830-101217.JPG
 At: 342.8 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes



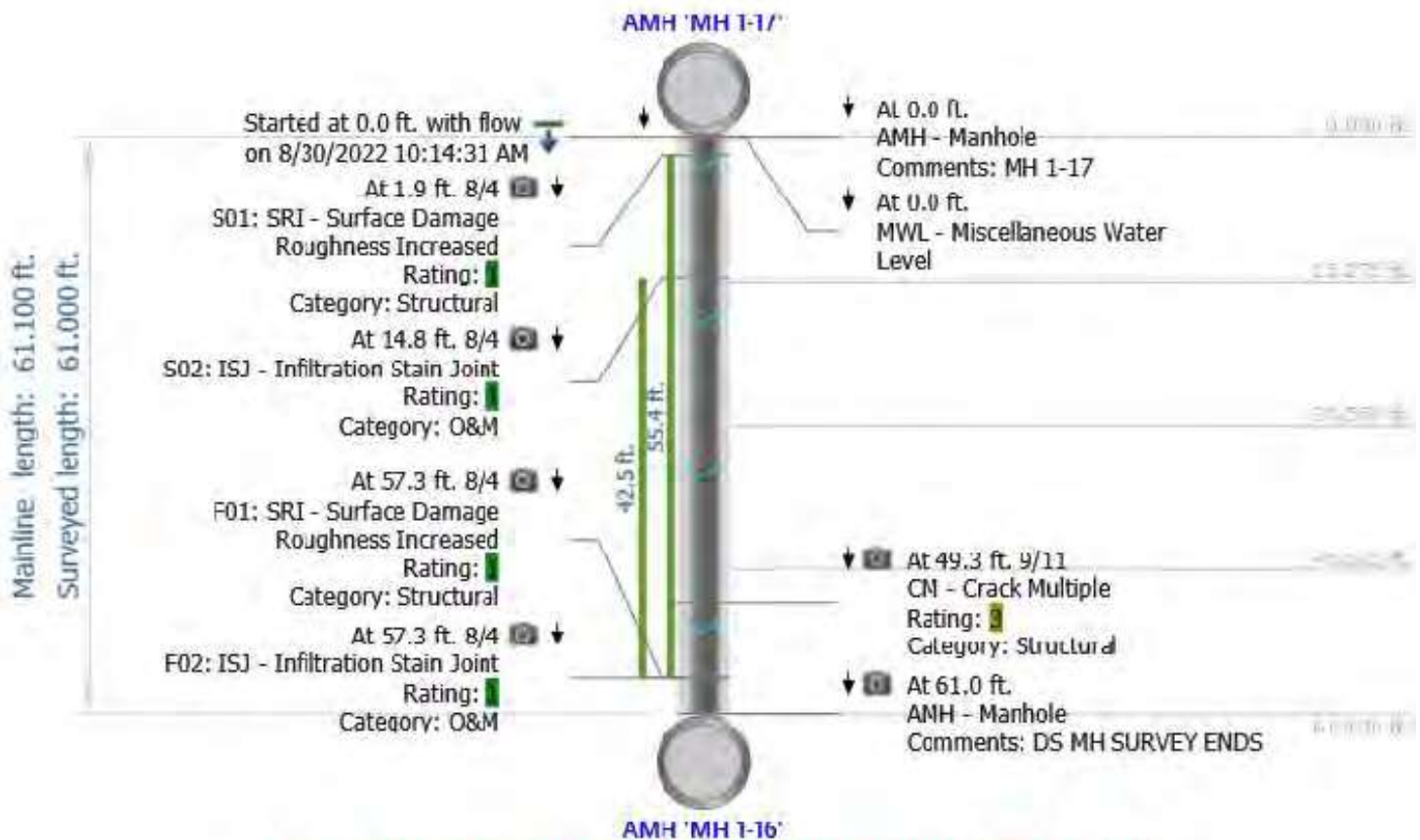
Photo: MH 1-18-MH 1-17-20220830-101248.JPG
 At: 346.6 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220830 10:14	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-17 1-16
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220830	Project name: CDM002-28
City: STONINGTON CT	Street: GREENMANVILLE AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-17	Downstream MH No: MH 1-16	Direction: D	Total length: 61.100 ft.	Length surveyed: 61.000 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Defects	Structural:				Defects	Segment Grade	O&M:			Pipe Rating	Pipe Rating Index	LoF	Risk
		Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index				
1	0	11	14	311A	1.2	0	9	9	1900	1.0	23	1.1	3.1	
2	0	0				0	0							
3	0	3				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	GREENMANVILLE AVE	20220830 11:23	1-17 1-16



Photo: MH 1-17-MH 1-16-20220830-101532.JPG
At: 1.9 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-17-MH 1-16-20220830-101640.JPG
At: 14.8 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-17-MH 1-16-20220830-102008_1.JPG
At: 49.3 ft. 9/11 CM - Crack Multiple
Joint: Yes



Photo: MH 1-17-MH 1-16-20220830-102008.JPG
At: 49.3 ft. 9/11 CM - Crack Multiple
Joint: Yes



Photo: MH 1-17-MH 1-16-20220830-102142.JPG
 At: 57.3 ft. 8/4 SRI - Surface Damage Roughness Increased
 Joint: Yes



Photo: MH 1-17-MH 1-16-20220830-102155.JPG
 At: 57.3 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes

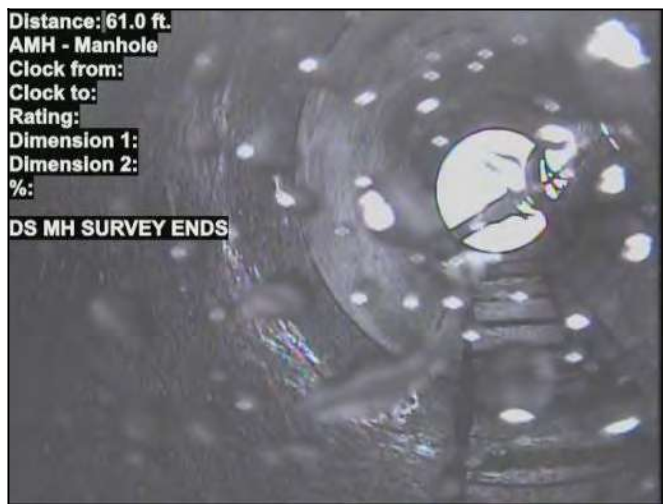


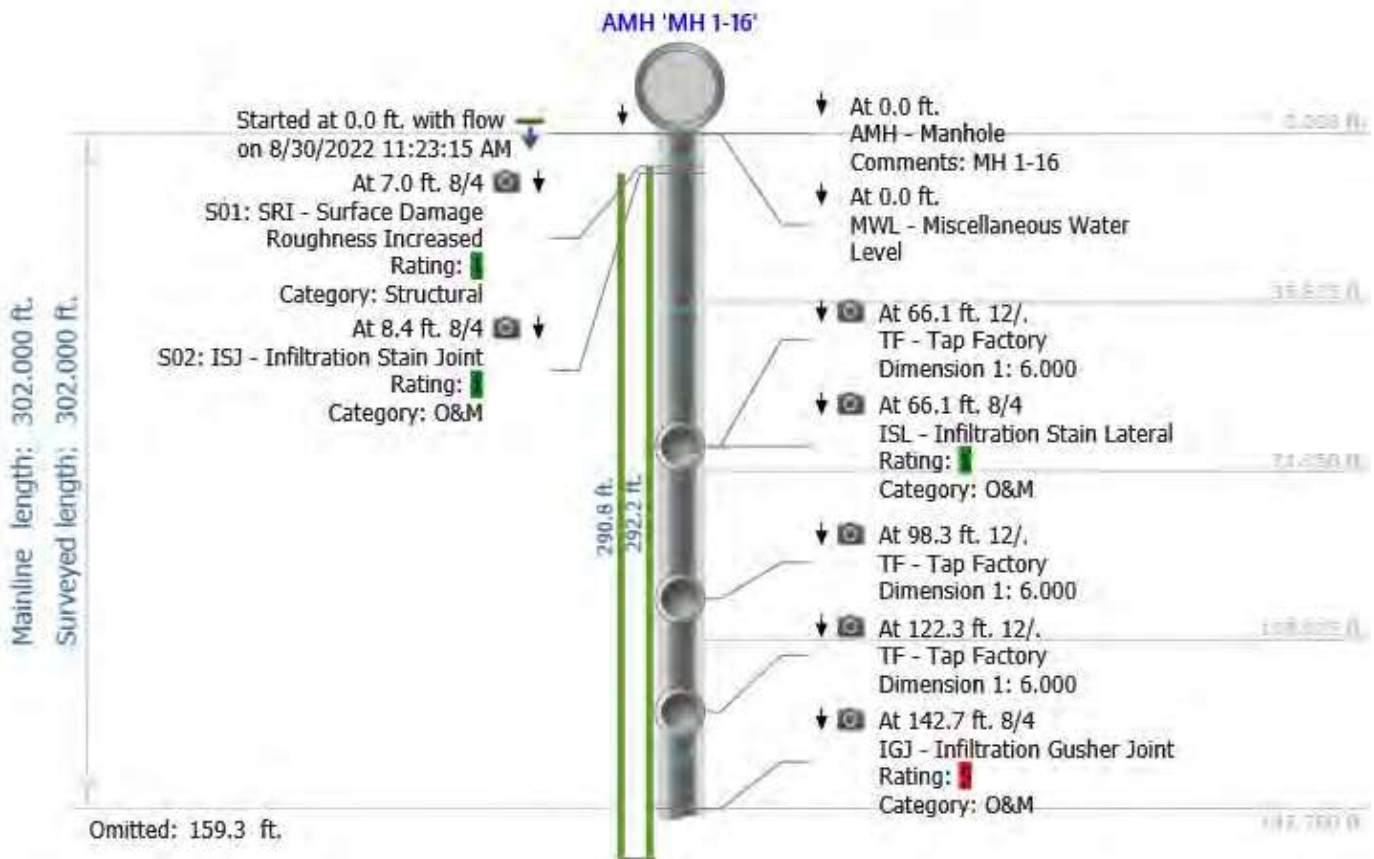
Photo: MH 1-17-MH 1-16-20220830-102322.JPG
 At: 61 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

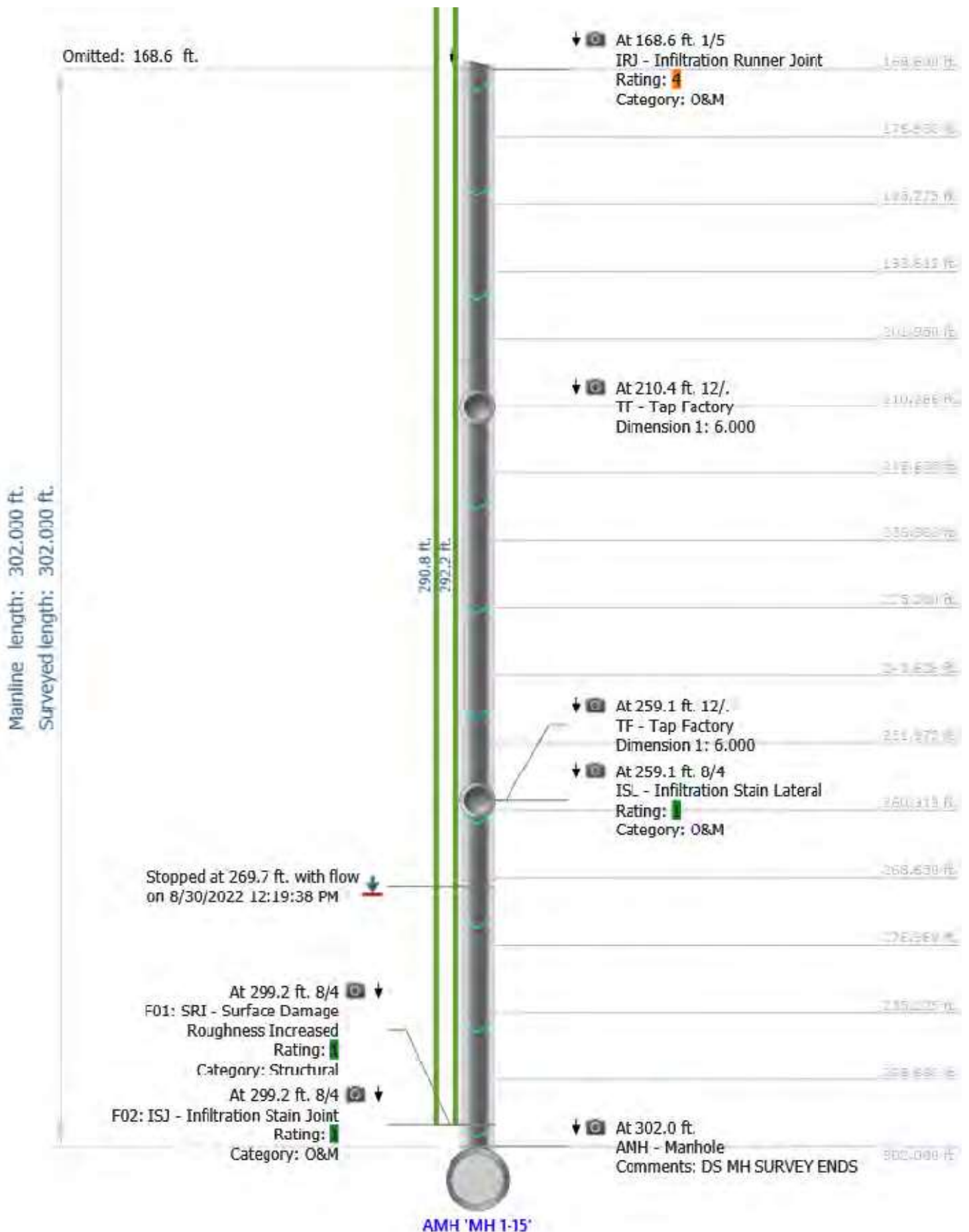
NWMCC INSPECTION REPORT

Start date/time: 20220830 11:23	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-16 1-15
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220830	Project name: CDM002-28
City: STONINGTON CT	Street: WILLOW ST	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-16	Downstream MH No: MH 1-15	Direction: D	Total length: 302.000 ft.	Length surveyed: 302.000 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	58	58	1J00	1.0	0	60	69	5141	1.1	127	1.1	5.1	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	4							
5	0	0				0	5							





NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	WILLOW ST	20220830 13:05	1-16 1-15

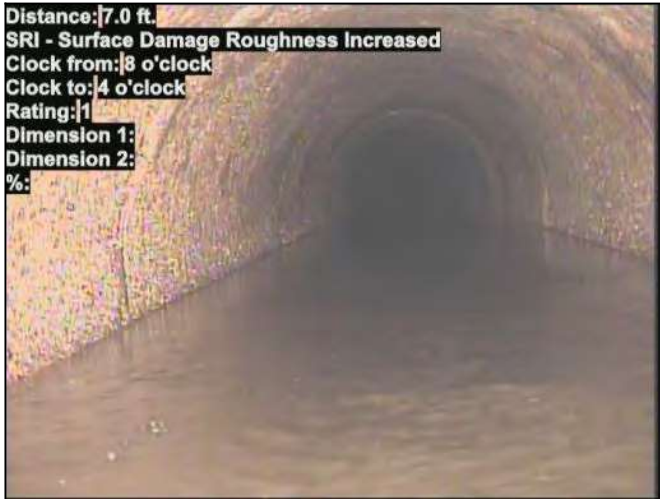


Photo: MH 1-16-MH 1-15-20220830-113931.JPG
At: 7 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-16-MH 1-15-20220830-114258_2.JPG
At: 8.4 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-16-MH 1-15-20220830-114258_1.JPG
At: 8.4 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-16-MH 1-15-20220830-114258.JPG
At: 8.4 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-16-MH 1-15-20220830-114630.JPG
 At: 66.1 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-16-MH 1-15-20220830-114649.JPG
 At: 66.1 ft. 8/4 ISL - Infiltration Stain Lateral
 Joint: Yes



Photo: MH 1-16-MH 1-15-20220830-114831_1.JPG
 At: 98.3 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-16-MH 1-15-20220830-114831.JPG
 At: 98.3 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-16-MH 1-15-20220830-114957.JPG
 At: 122.3 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-16-MH 1-15-20220830-115110_1.JPG
 At: 142.7 ft. 8/4 IGJ - Infiltration Gusher Joint
 Joint: Yes



Distance: 142.7 ft.
IGJ - Infiltration Gusher Joint
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 5
Dimension 1:
Dimension 2:
%:
Photo: MH 1-16-MH 1-15-20220830-115110.JPG
At: 142.7 ft. 8/4 IGJ - Infiltration Gusher Joint
Joint: Yes



8/30/2022 11:54:34 AM
Upstream MH No: AMH 'MH 1-16'
Downstream MH No: AMH 'MH 1-15'
Height: 24 In.
173.7 ft.
Photo: MH 1-16-MH 1-15-20220830-115308_1.JPG
At: 168.6 ft. 1/5 IRJ - Infiltration Runner Joint
Joint: Yes



Distance: 168.6 ft.
IRJ - Infiltration Runner Joint
Clock from: 1 o'clock
Clock to: 5 o'clock
Rating: 4
Dimension 1:
Dimension 2:
%:
Photo: MH 1-16-MH 1-15-20220830-115308.JPG
At: 168.6 ft. 1/5 IRJ - Infiltration Runner Joint
Joint: Yes



Distance: 210.4 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-16-MH 1-15-20220830-115625.JPG
At: 210.4 ft. 12/. TF - Tap Factory
Joint: No



Distance: 259.1 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-16-MH 1-15-20220830-121132.JPG
At: 259.1 ft. 12/. TF - Tap Factory
Joint: No



Distance: 259.1 ft.
ISL - Infiltration Stain Lateral
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-16-MH 1-15-20220830-121148.JPG
At: 259.1 ft. 8/4 ISL - Infiltration Stain Lateral
Joint: Yes

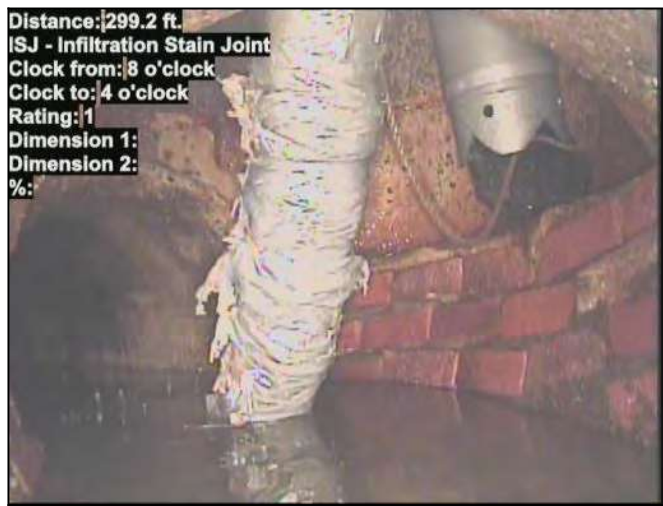


Photo: MH 1-16-MH 1-15-20220830-121711.JPG
 At: 299.2 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes

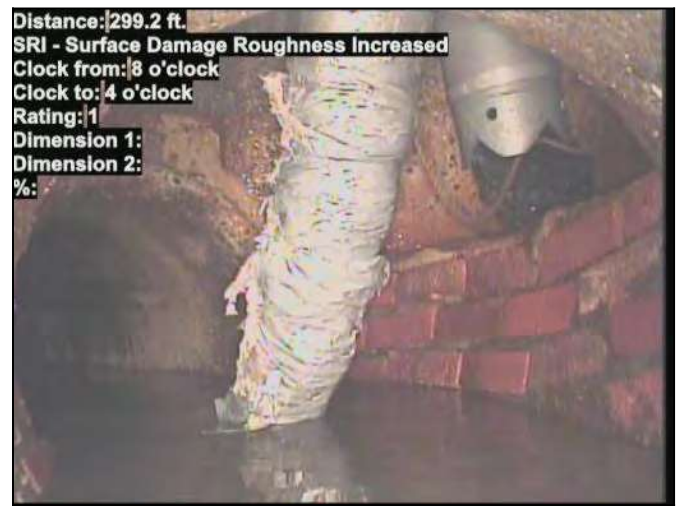


Photo: MH 1-16-MH 1-15-20220830-121658.JPG
 At: 299.2 ft. 8/4 SRI - Surface Damage Roughness Increased
 Joint: Yes



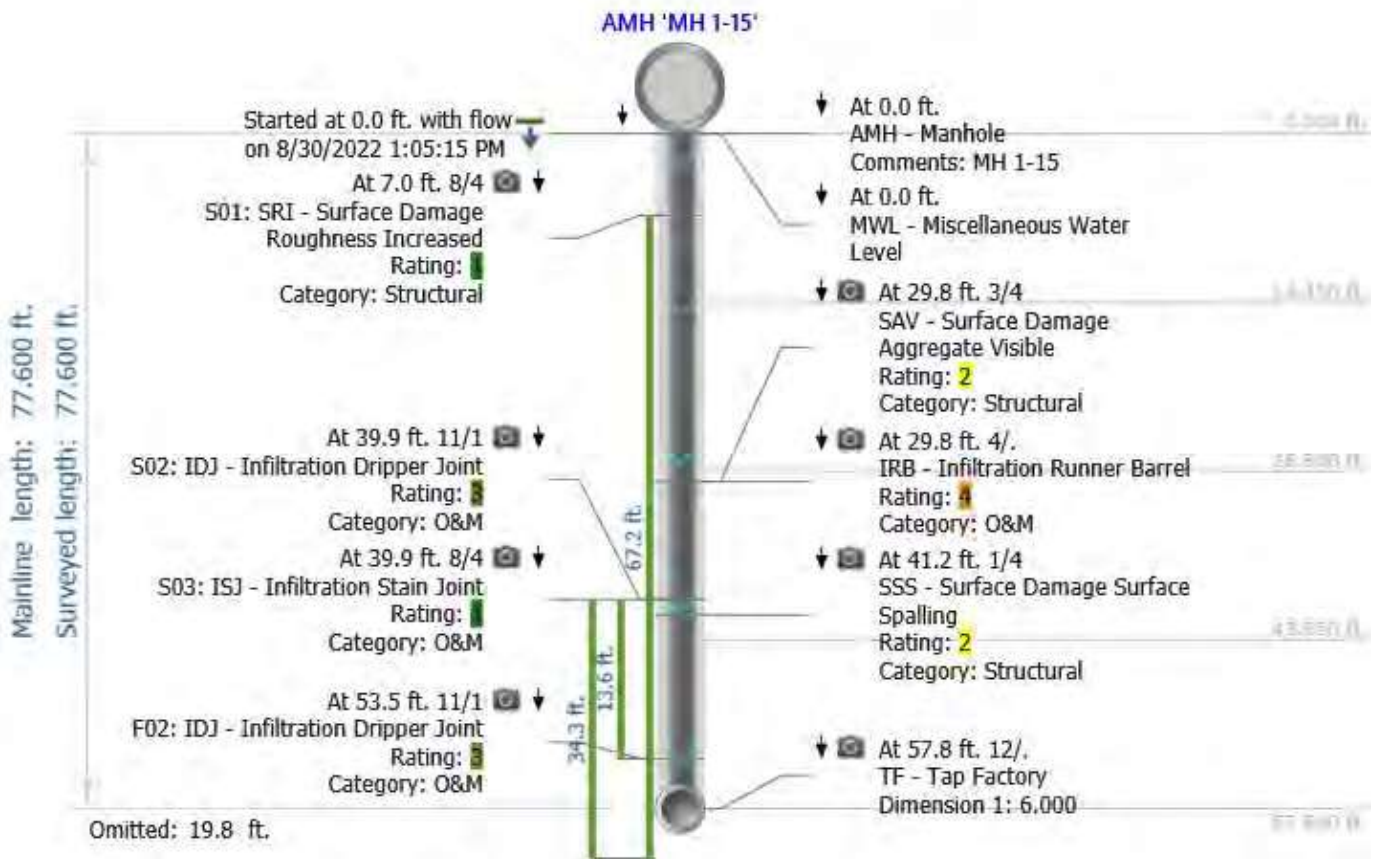
Photo: MH 1-16-MH 1-15-20220830-121758.JPG
 At: 302 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

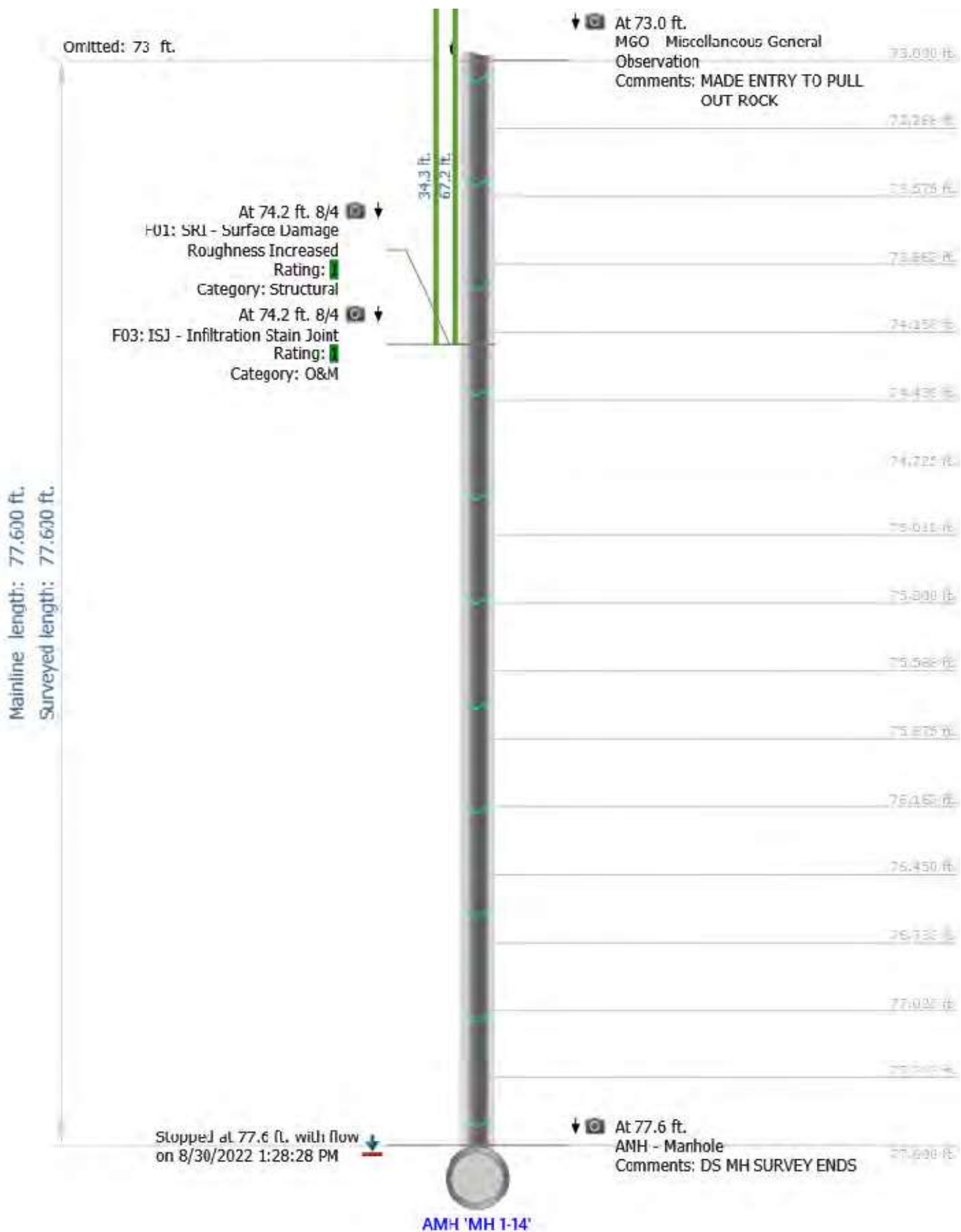
NWMCC INSPECTION REPORT

Start date/time: 20220830 13:05	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-15 1-14
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220830	Project name: CDM002-28
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-15	Downstream MH No: MH 1-14	Direction: D	Total length: 77.600 ft.	Length surveyed: 77.600 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	13	17	221A	1.1	0	7	20	4133	1.8	37	1.4	4.1	
2	0	4				0	0							
3	0	0				0	9							
4	0	0				0	4							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	BROADWAY AVE	20220830 13:28	1-15 1-14

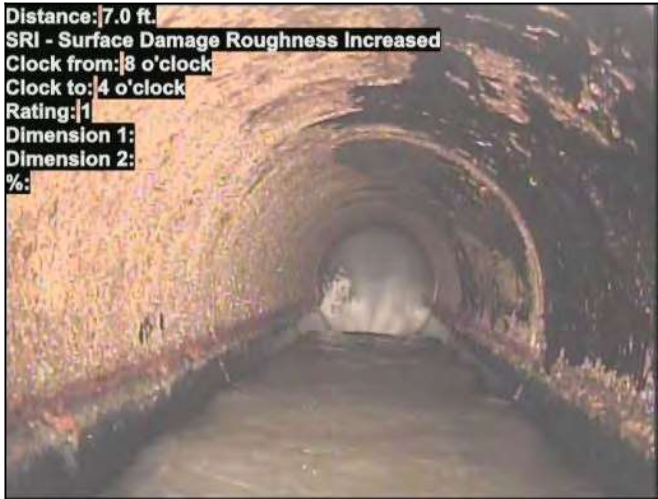


Photo: MH 1-15-MH 1-14-20220830-130713.JPG
At: 7 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-15-MH 1-14-20220830-130845.JPG
At: 29.8 ft. 3/4 SAV - Surface Damage Aggregate Visible
Joint: No



Photo: MH 1-15-MH 1-14-20220830-130903_1.JPG
At: 29.8 ft. 4/. IRB - Infiltration Runner Barrel
Joint: No



Photo: MH 1-15-MH 1-14-20220830-130903.JPG
At: 29.8 ft. 4/. IRB - Infiltration Runner Barrel
Joint: No



Distance: 39.9 ft.
ISJ - Infiltration Stain Joint
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-15-MH 1-14-20220830-131049.JPG
At: 39.9 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 39.9 ft.
IDJ - Infiltration Dripper Joint
Clock from: 11 o'clock
Clock to: 1 o'clock
Rating: 3
Dimension 1:
Dimension 2:
%:
Photo: MH 1-15-MH 1-14-20220830-131030.JPG
At: 39.9 ft. 11/1 IDJ - Infiltration Dripper Joint
Joint: Yes



8/30/2022 1:12:51 PM
Upstream MH No: AMH 'MH 1-15'
Downstream MH No: AMH 'MH 1-14'
Height: 24 in.
Photo: MH 1-15-MH 1-14-20220830-131138_1.JPG
At: 41.2 ft. 1/4 SSS - Surface Damage Surface Spalling
Joint: Yes



Distance: 41.2 ft.
SSS - Surface Damage Surface Spalling
Clock from: 1 o'clock
Clock to: 4 o'clock
Rating: 2
Dimension 1:
Dimension 2:
%:
Photo: MH 1-15-MH 1-14-20220830-131138.JPG
At: 41.2 ft. 1/4 SSS - Surface Damage Surface Spalling
Joint: Yes



Distance: 53.5 ft.
IDJ - Infiltration Dripper Joint
Clock from: 11 o'clock
Clock to: 1 o'clock
Rating: 3
Dimension 1:
Dimension 2:
%:
Photo: MH 1-15-MH 1-14-20220830-131344.JPG
At: 53.5 ft. 11/1 IDJ - Infiltration Dripper Joint
Joint: Yes



Distance: 57.8 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-15-MH 1-14-20220830-131405.JPG
At: 57.8 ft. 12/ TF - Tap Factory
Joint: No

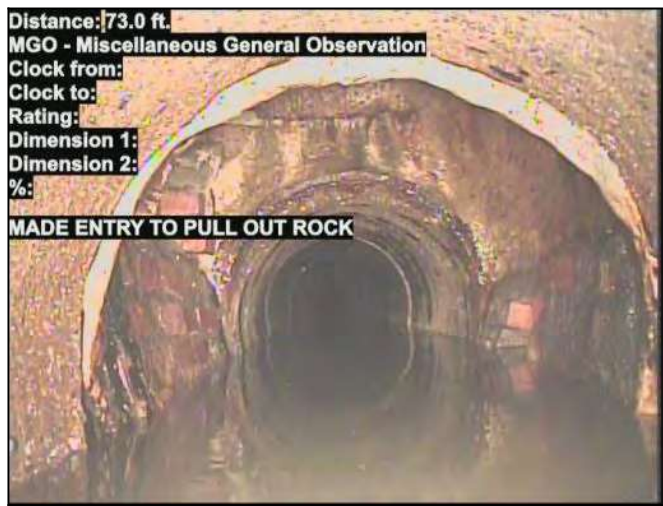


Photo: MH 1-15-MH 1-14-20220830-132356.JPG
At: 73 ft. MGO - Miscellaneous General Observation
Joint: No MADE ENTRY TO PULL OUT ROCK



Photo: MH 1-15-MH 1-14-20220830-132738.JPG
At: 74.2 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-15-MH 1-14-20220830-132749.JPG
At: 74.2 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



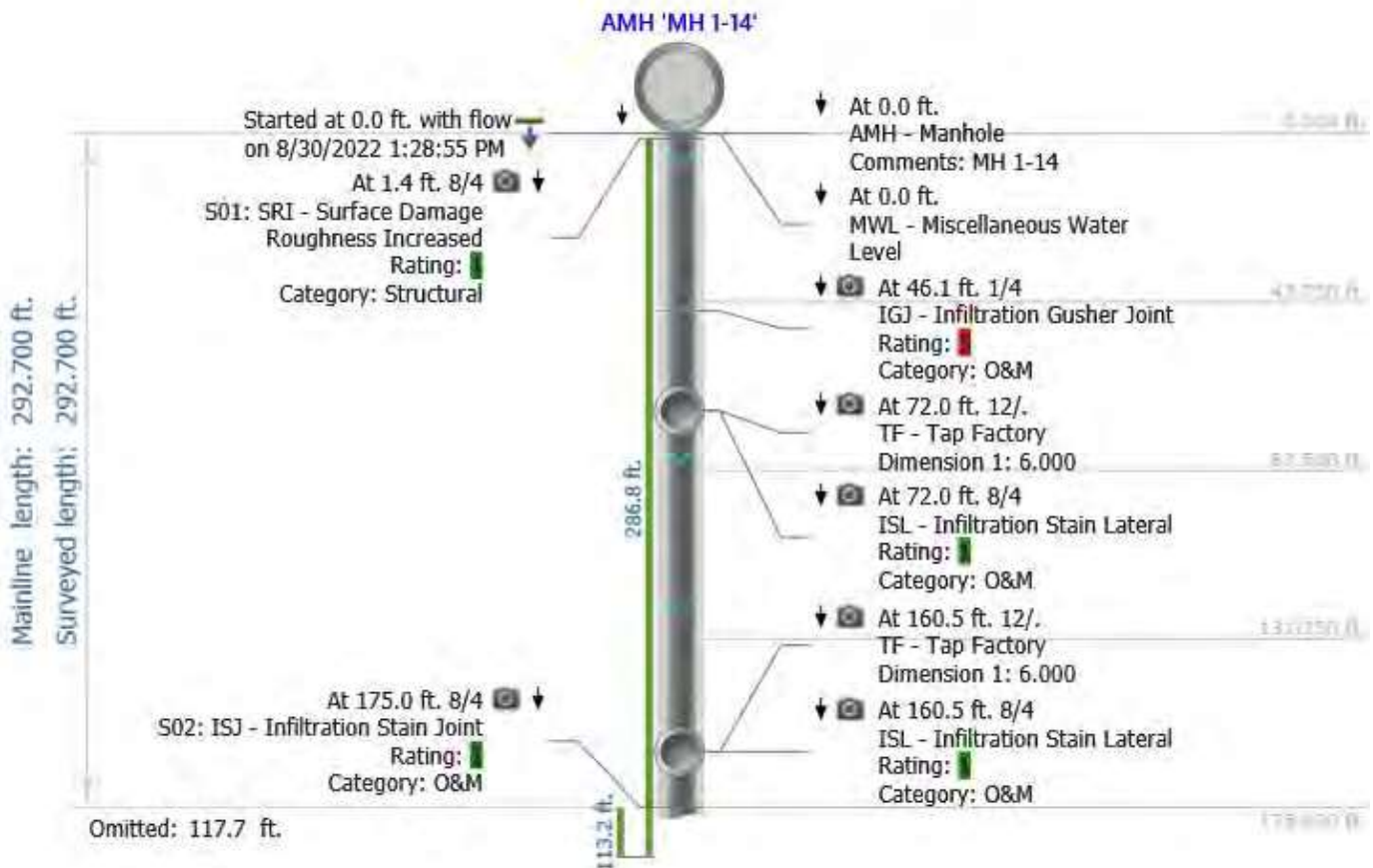
Photo: MH 1-15-MH 1-14-20220830-132822.JPG
At: 77.6 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

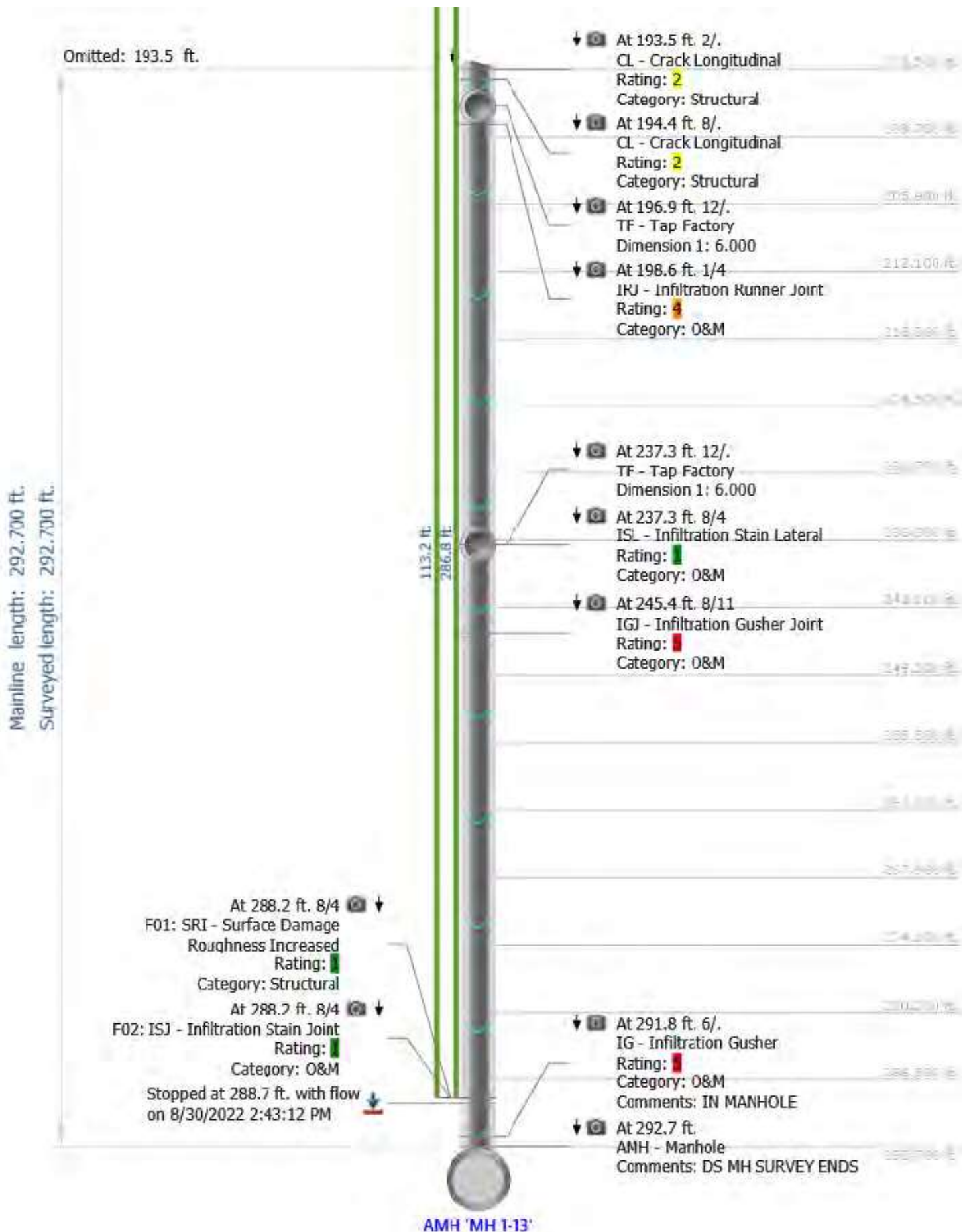
NWMCC INSPECTION REPORT

Start date/time: 20220830 13:28	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-14 1-13
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-14	Downstream MH No: MH 1-13	Direction: D	Total length: 292.700 ft.	Length surveyed: 292.700 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Pipe Rating Index	LoF	Risk
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index				
1	0	57	61	221J	1.0	0	26	45	5341	1.5	106	1.2	5.3	
2	0	4				0	0							
3	0	0				0	0							
4	0	0				0	4							
5	0	0				0	15							





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

BROADWAY AVE

Start date/time:

20220830 14:59

Pipe segment ref.:

1-14 1-13

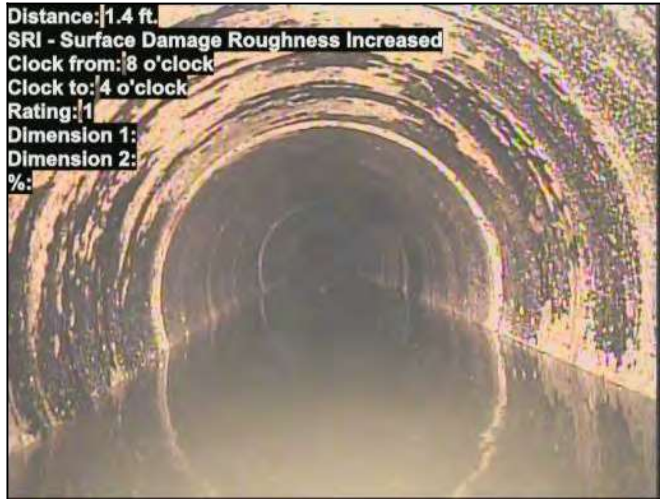


Photo: MH 1-14-MH 1-13-20220830-133127.JPG

At: 1.4 ft. 8/4 SRI - Surface Damage Roughness Increased

Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-134653.JPG

At: 46.1 ft. 1/4 IGJ - Infiltration Gusher Joint

Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-134905.JPG

At: 72 ft. 8/4 ISL - Infiltration Stain Lateral

Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-134853.JPG

At: 72 ft. 12/ TF - Tap Factory

Joint: No



Photo: MH 1-14-MH 1-13-20220830-141346.JPG
 At: 160.5 ft. 8/4 ISL - Infiltration Stain Lateral
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-141334.JPG
 At: 160.5 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-14-MH 1-13-20220830-141448.JPG
 At: 175 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-141615.JPG
 At: 193.5 ft. 2/. CL - Crack Longitudinal
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-141641.JPG
 At: 194.4 ft. 8/. CL - Crack Longitudinal
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-141708.JPG
 At: 196.9 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-14-MH 1-13-20220830-141729_1.JPG
 At: 198.6 ft. 1/4 IRJ - Infiltration Runner Joint
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-141729.JPG
 At: 198.6 ft. 1/4 IRJ - Infiltration Runner Joint
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-141907.JPG
 At: 237.3 ft. 12/ TF - Tap Factory
 Joint: No



Photo: MH 1-14-MH 1-13-20220830-141925.JPG
 At: 237.3 ft. 8/4 ISL - Infiltration Stain Lateral
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-142029.JPG
 At: 245.4 ft. IGJ - Infiltration Gusher Joint
 8/11
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-142321_1.JPG
 At: 288.2 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-142321.JPG
 At: 288.2 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes

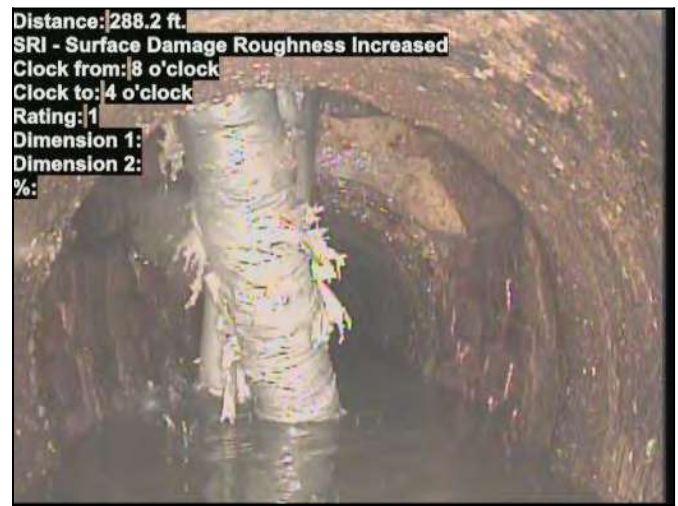


Photo: MH 1-14-MH 1-13-20220830-142307.JPG
 At: 288.2 ft. 8/4 SRI - Surface Damage Roughness Increased
 Joint: Yes



Photo: MH 1-14-MH 1-13-20220830-144008.JPG
 At: 291.8 ft. 6/. IG - Infiltration Gusher
 Joint: No IN MANHOLE



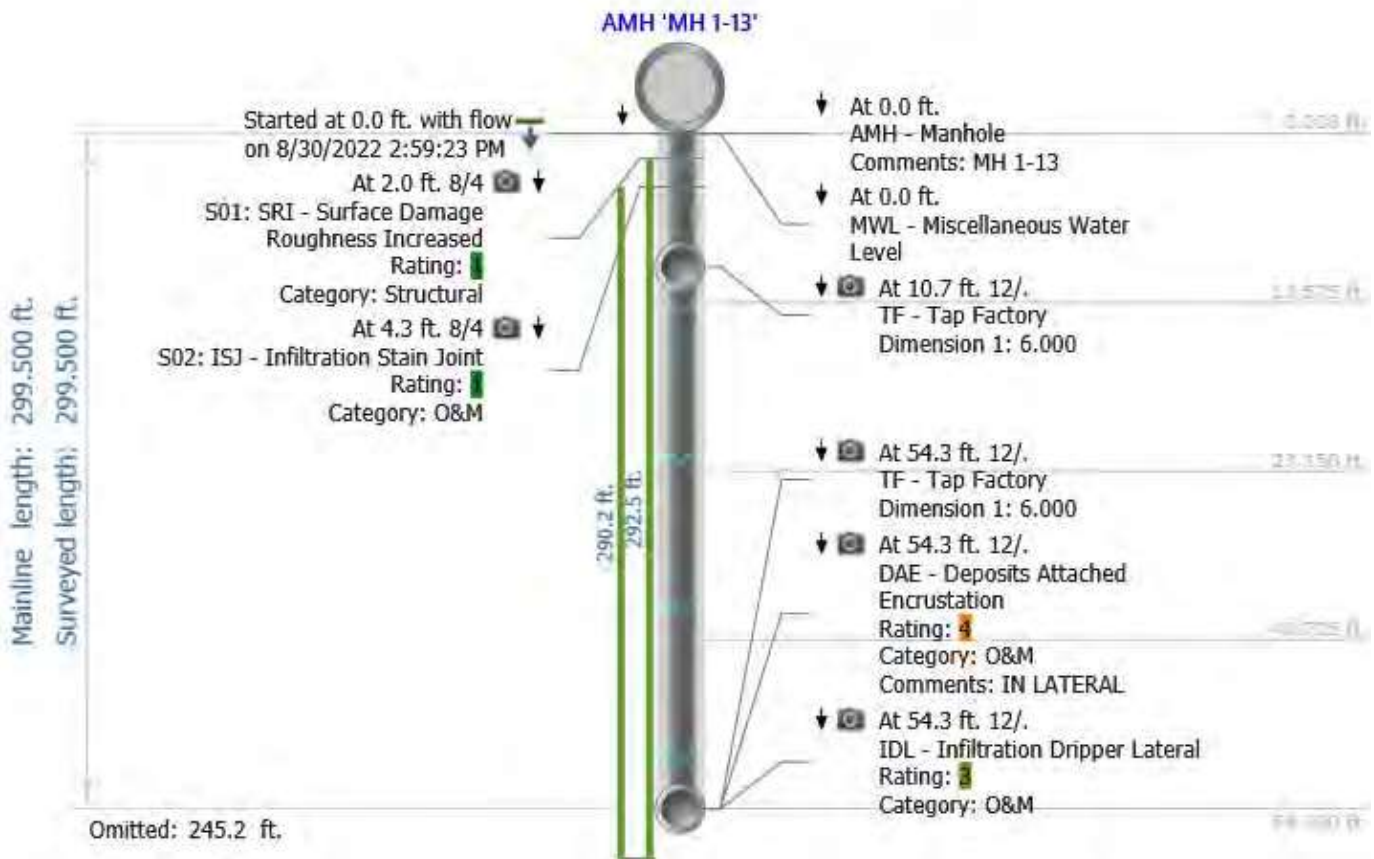
Photo: MH 1-14-MH 1-13-20220830-144113.JPG
 At: 292.7 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

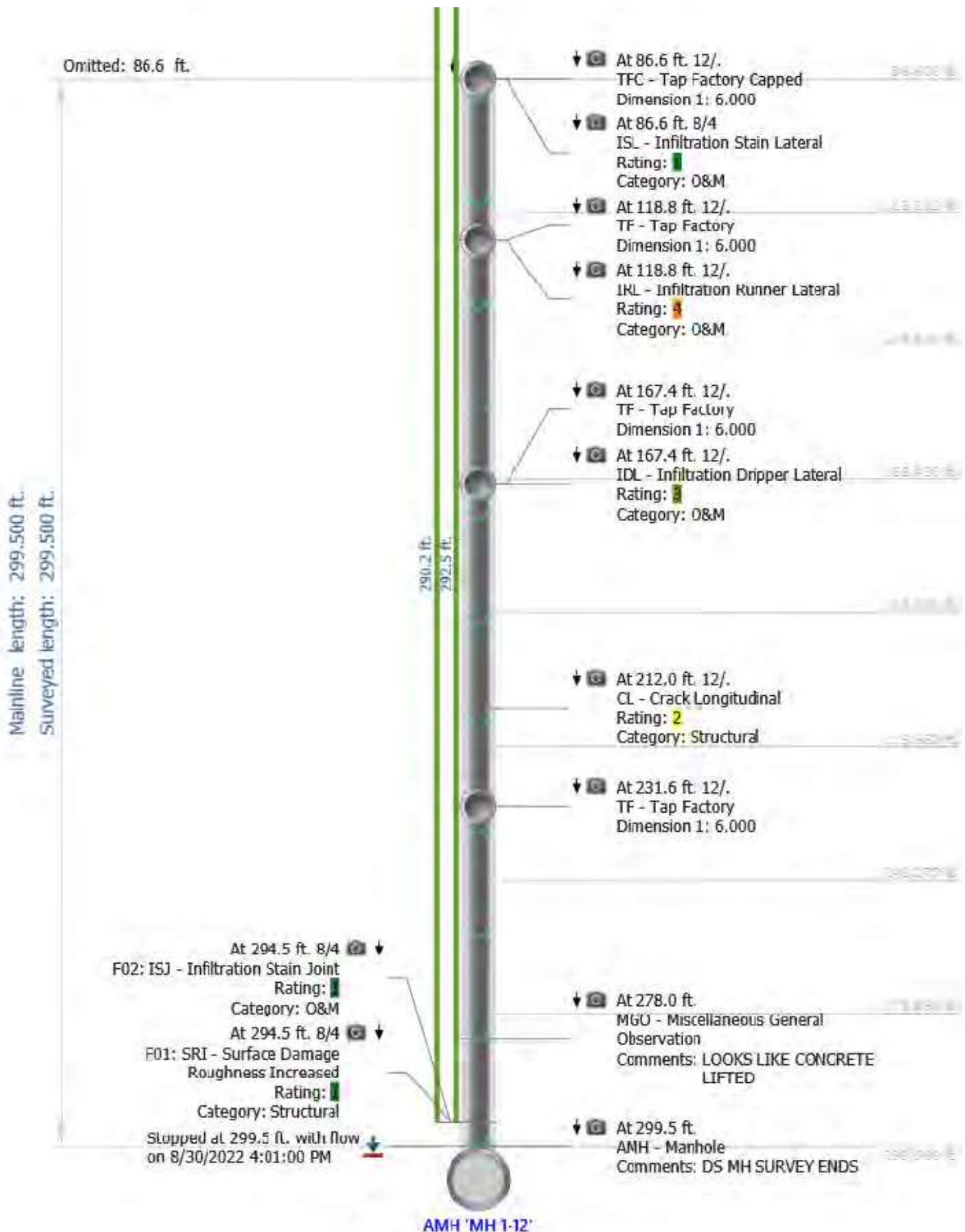
NWMCC INSPECTION REPORT

Start date/time: 20220830 14:59	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-13 1-12
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-13	Downstream MH No: MH 1-12	Direction: D	Total length: 299.500 ft.	Length surveyed: 299.500 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Pipe Rating Index	LoF	Risk
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index				
1	0	59	61	211J	1.0	0	59	73	4232	1.2	134	1.1	4.2	
2	0	2				0	0							
3	0	0				0	6							
4	0	0				0	8							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	BROADWAY AVE	20220831 07:41	1-13 1-12



Photo: MH 1-13-MH 1-12-20220830-152236.JPG
At: 2 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Photo: MH 1-13-MH 1-12-20220830-152318.JPG
At: 4.3 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-13-MH 1-12-20220830-152401.JPG
At: 10.7 ft. 12/. TF - Tap Factory
Joint: No



Photo: MH 1-13-MH 1-12-20220830-152609.JPG
At: 54.3 ft. 12/. DAE - Deposits Attached Encrustation
Joint: No 25 % IN LATERAL



Photo: MH 1-13-MH 1-12-20220830-152604.JPG

At: 54.3 ft. 12/. TF - Tap Factory

Joint: No



Photo: MH 1-13-MH 1-12-20220830-152642_1.JPG

At: 54.3 ft. 12/. IDL - Infiltration Dripper Lateral

Joint: No



Photo: MH 1-13-MH 1-12-20220830-152642.JPG

At: 54.3 ft. 12/. IDL - Infiltration Dripper Lateral

Joint: No



Photo: MH 1-13-MH 1-12-20220830-152858.JPG

At: 86.6 ft. 12/. TFC - Tap Factory Capped

Joint: No



Photo: MH 1-13-MH 1-12-20220830-152927.JPG

At: 86.6 ft. 8/4 ISL - Infiltration Stain Lateral

Joint: No



Photo: MH 1-13-MH 1-12-20220830-154213.JPG

At: 118.8 ft. 12/. IRL - Infiltration Runner Lateral

Joint: No



Photo: MH 1-13-MH 1-12-20220830-154158.JPG

At: 118.8 ft. 12/. TF - Tap Factory

Joint: No

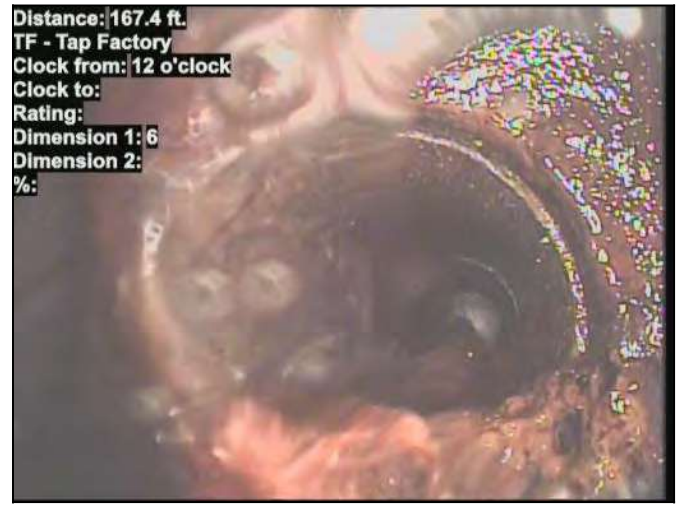


Photo: MH 1-13-MH 1-12-20220830-154433.JPG

At: 167.4 ft. 12/. TF - Tap Factory

Joint: No



Photo: MH 1-13-MH 1-12-20220830-154500_1.JPG

At: 167.4 ft. 12/. IDL - Infiltration Dripper Lateral

Joint: No



Photo: MH 1-13-MH 1-12-20220830-154500.JPG

At: 167.4 ft. 12/. IDL - Infiltration Dripper Lateral

Joint: No



Photo: MH 1-13-MH 1-12-20220830-155115.JPG

At: 212 ft. 12/. CL - Crack Longitudinal

Joint: Yes



Photo: MH 1-13-MH 1-12-20220830-155235_1.JPG

At: 231.6 ft. 12/. TF - Tap Factory

Joint: No



Distance: 231.6 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-13-MH 1-12-20220830-155235.JPG
At: 231.6 ft. 12/. TF - Tap Factory
Joint: No



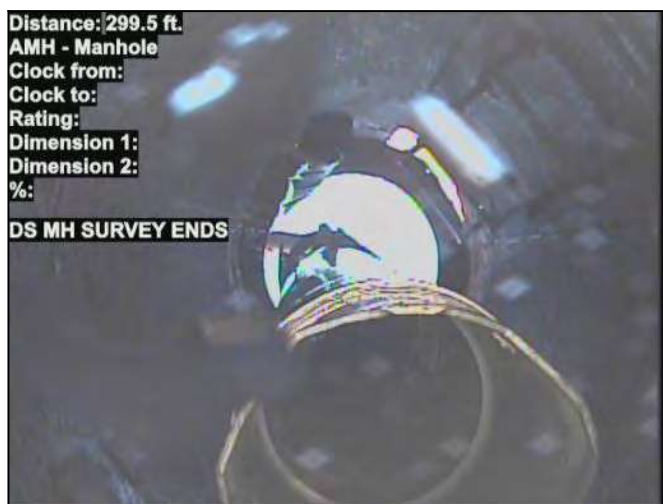
Distance: 278.0 ft.
MGO - Miscellaneous General Observation
Clock from:
Clock to:
Rating:
Dimension 1:
Dimension 2:
%:
LOOKS LIKE CONCRETE LIFTED
Photo: MH 1-13-MH 1-12-20220830-155650.JPG
At: 278 ft. MGO - Miscellaneous General Observation
Joint: No LOOKS LIKE CONCRETE LIFTED



Distance: 294.5 ft.
SRI - Surface Damage Roughness Increased
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-13-MH 1-12-20220830-155949.JPG
At: 294.5 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Distance: 294.5 ft.
ISJ - Infiltration Stain Joint
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-13-MH 1-12-20220830-155935.JPG
At: 294.5 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



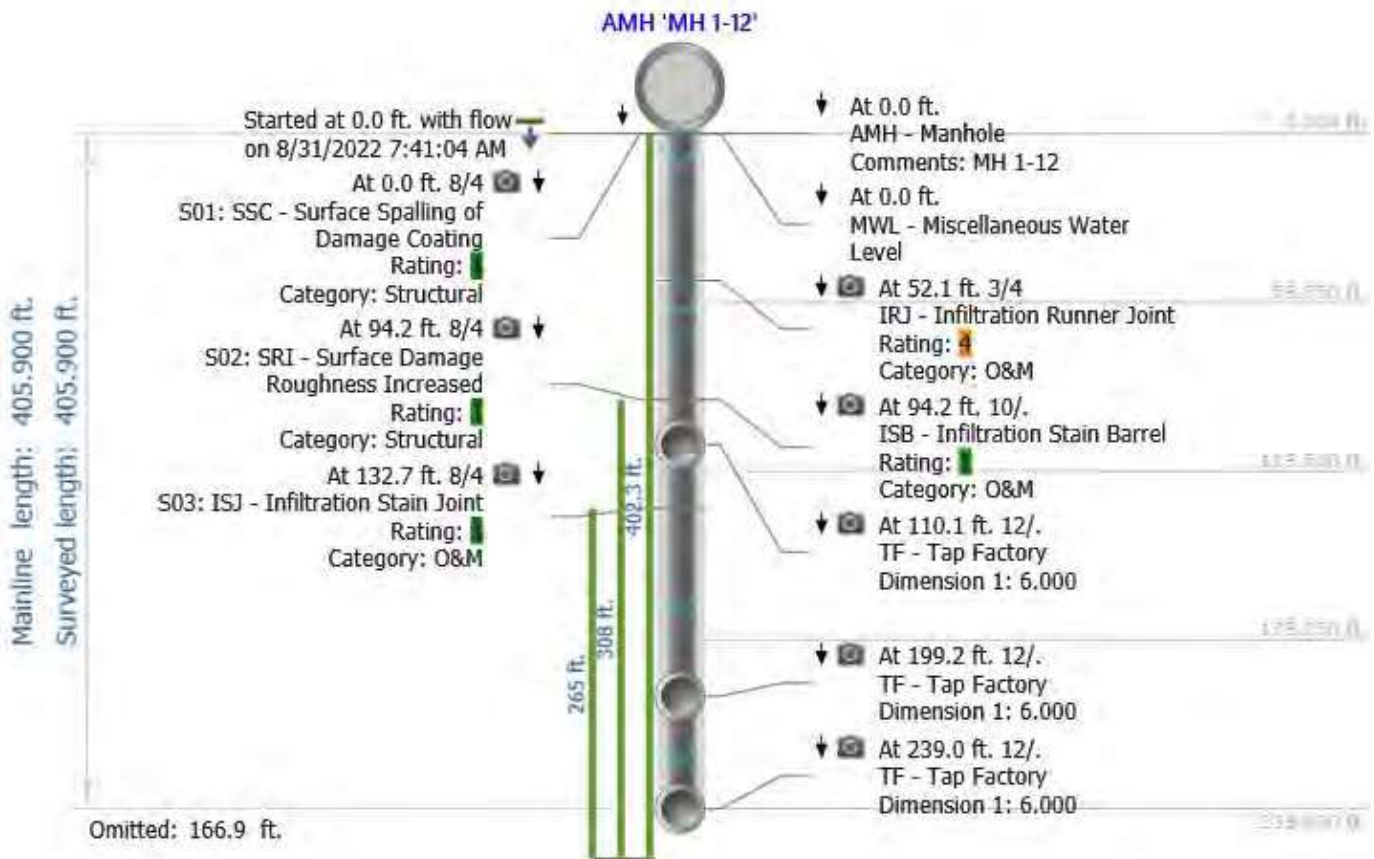
Distance: 299.5 ft.
AMH - Manhole
Clock from:
Clock to:
Rating:
Dimension 1:
Dimension 2:
%:
DS MH SURVEY ENDS
Photo: MH 1-13-MH 1-12-20220830-160030.JPG
At: 299.5 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

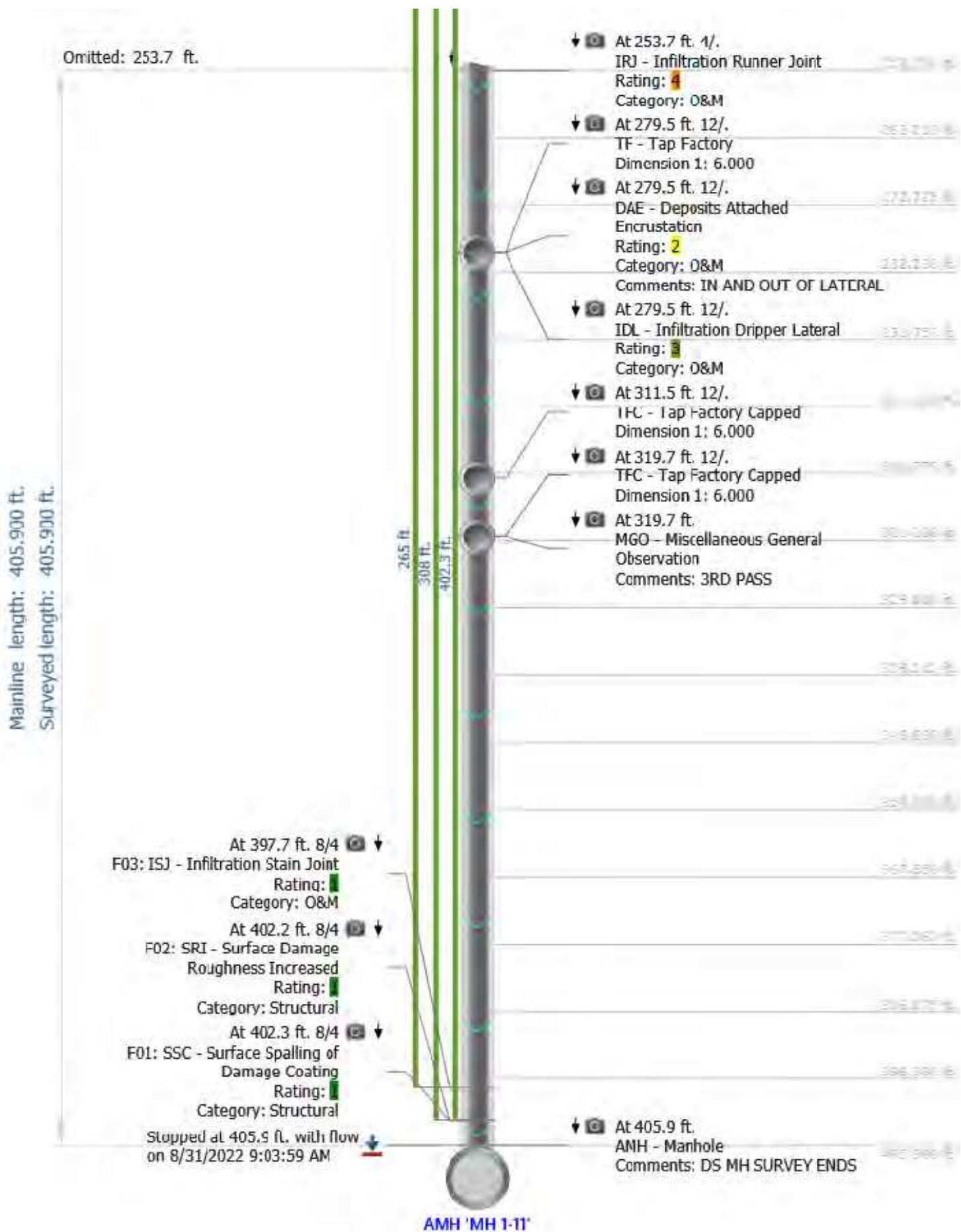
NWMCC INSPECTION REPORT

Start date/time: 20220831 07:41	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-12 1-11
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220831	Project name: CDM002-28
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-12	Downstream MH No: MH 1-11	Direction: D	Total length: 405.900 ft.	Length surveyed: 405.900 ft.
Purpose: Routine Assessment	Pipe joint length: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info: 1ST PASS WAS ALREADY MADE

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	142	142	1Z00	1.0	0	54	67	4231	1.2	209	1.0	4.2	
2	0	0				0	2							
3	0	0				0	3							
4	0	0				0	8							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	BROADWAY AVE	20220831 09:06	1-12 1-11



Photo: MH 1-12-MH 1-11-20220831-074235_2.JPG
At: 0 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



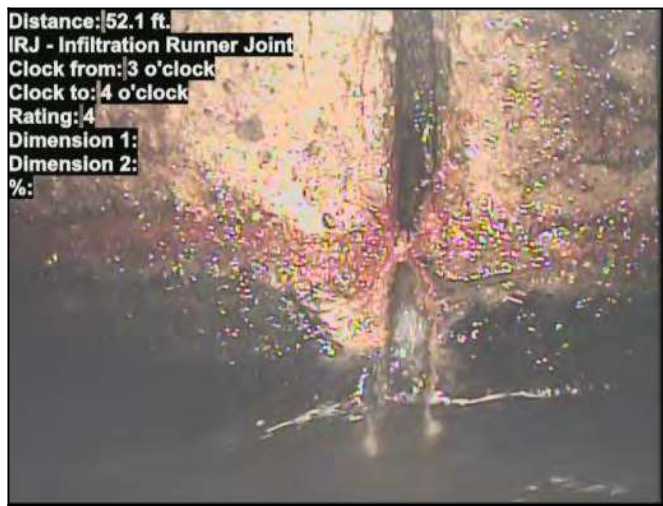
Photo: MH 1-12-MH 1-11-20220831-074235_1.JPG
At: 0 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



Photo: MH 1-12-MH 1-11-20220831-074235.JPG
At: 0 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



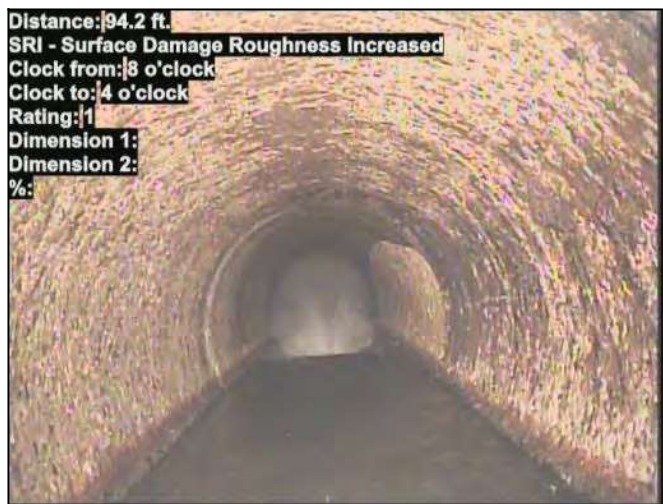
Photo: MH 1-12-MH 1-11-20220831-075257_1.JPG
At: 52.1 ft. 3/4 IRJ - Infiltration Runner Joint
Joint: Yes



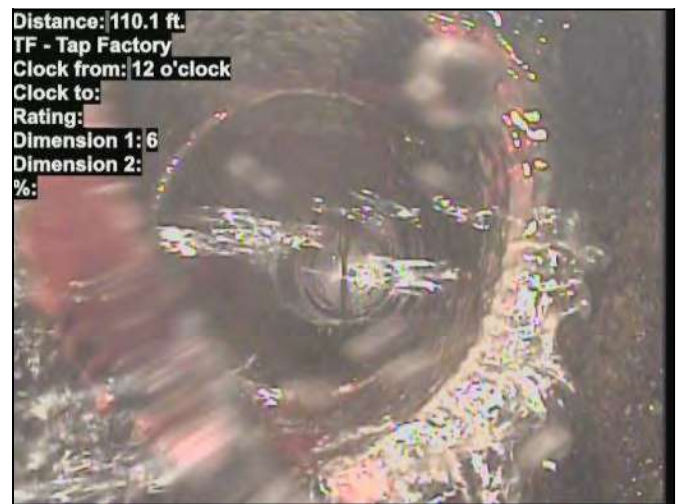
Distance: 52.1 ft.
IRJ - Infiltration Runner Joint
Clock from: 3 o'clock
Clock to: 4 o'clock
Rating: 4
Dimension 1:
Dimension 2:
%:
Photo: MH 1-12-MH 1-11-20220831-075257.JPG
At: 52.1 ft. 3/4 IRJ - Infiltration Runner Joint
Joint: Yes



Distance: 94.2 ft.
ISB - Infiltration Stain Barrel
Clock from: 10 o'clock
Clock to:
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-12-MH 1-11-20220831-075511.JPG
At: 94.2 ft. 10/. ISB - Infiltration Stain Barrel
Joint: No



Distance: 94.2 ft.
SRI - Surface Damage Roughness Increased
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-12-MH 1-11-20220831-075530.JPG
At: 94.2 ft. 8/4 SRI - Surface Damage Roughness Increased
Joint: Yes



Distance: 110.1 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-12-MH 1-11-20220831-075645.JPG
At: 110.1 ft. 12/. TF - Tap Factory
Joint: No



8/31/2022 8:02:16 AM
Upstream MH No: AMH 'MH 1-12'
Downstream MH No: AMH 'MH 1-11'
Height: 24 in.
181.1 ft.
Photo: MH 1-12-MH 1-11-20220831-075835_2.JPG
At: 132.7 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



8/31/2022 8:00:03 AM
Upstream MH No: AMH 'MH 1-12'
Downstream MH No: AMH 'MH 1-11'
Height: 24 in.
142.2 ft.
Photo: MH 1-12-MH 1-11-20220831-075835_1.JPG
At: 132.7 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 132.7 ft.
ISJ - Infiltration Stain Joint
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:

Photo: MH 1-12-MH 1-11-20220831-075835.JPG
At: 132.7 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 199.2 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-12-MH 1-11-20220831-080312.JPG
At: 199.2 ft. 12/. TF - Tap Factory
Joint: No



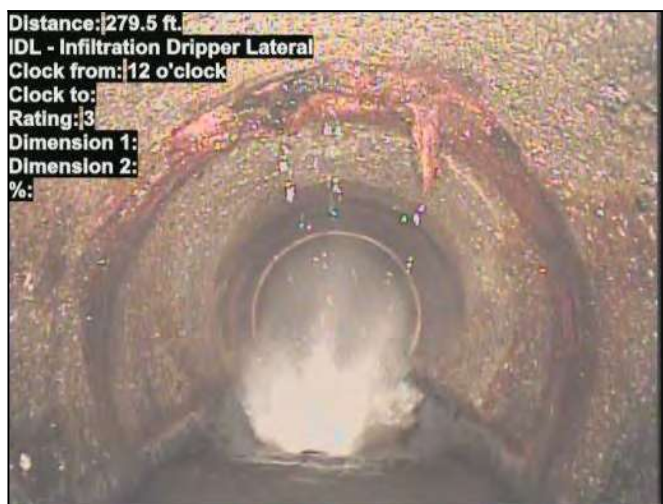
Distance: 239.0 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-12-MH 1-11-20220831-080440.JPG
At: 239 ft. 12/. TF - Tap Factory
Joint: No



Distance: 253.7 ft.
IRJ - Infiltration Runner Joint
Clock from: 4 o'clock
Clock to:
Rating: 4
Dimension 1:
Dimension 2:
%:

Photo: MH 1-12-MH 1-11-20220831-080547.JPG
At: 253.7 ft. 4/. IRJ - Infiltration Runner Joint
Joint: Yes



Distance: 279.5 ft.
IDL - Infiltration Dripper Lateral
Clock from: 12 o'clock
Clock to:
Rating: 3
Dimension 1:
Dimension 2:
%:

Photo: MH 1-12-MH 1-11-20220831-080802.JPG
At: 279.5 ft. 12/. IDL - Infiltration Dripper Lateral
Joint: Yes



Distance: 279.5 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-12-MH 1-11-20220831-080711.JPG
At: 279.5 ft. 12/. TF - Tap Factory
Joint: No



Photo: MH 1-12-MH 1-11-20220831-080715_1.JPG
At: 279.5 ft. 12/. DAE - Deposits Attached Encrustation
Joint: Yes 10 % IN AND OUT OF LATERAL



Photo: MH 1-12-MH 1-11-20220831-080715.JPG
At: 279.5 ft. 12/. DAE - Deposits Attached Encrustation
Joint: Yes 10 % IN AND OUT OF LATERAL



Photo: MH 1-12-MH 1-11-20220831-080939.JPG
At: 311.5 ft. 12/. TFC - Tap Factory Capped
Joint: Yes



Photo: MH 1-12-MH 1-11-20220831-081037.JPG
At: 319.7 ft. 12/. TFC - Tap Factory Capped
Joint: Yes



Photo: MH 1-12-MH 1-11-20220831-081440_1.JPG
At: 319.7 ft. MGO - Miscellaneous General Observation
Joint: No 3RD PASS



Photo: MH 1-12-MH 1-11-20220831-081440.JPG
At: 319.7 ft. MGO - Miscellaneous General Observation
Joint: No 3RD PASS

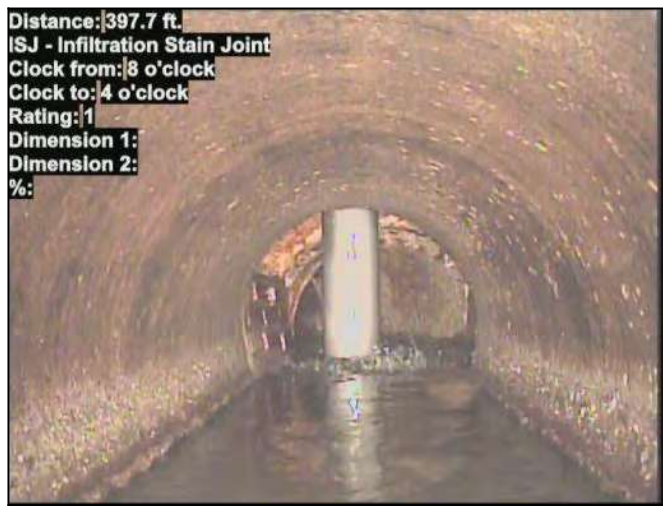


Photo: MH 1-12-MH 1-11-20220831-081915.JPG
 At: 397.7 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes

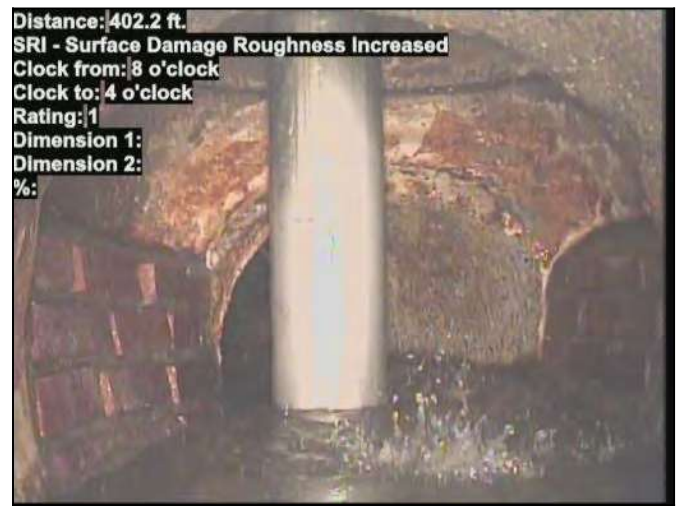


Photo: MH 1-12-MH 1-11-20220831-081930.JPG
 At: 402.2 ft. 8/4 SRI - Surface Damage Roughness Increased
 Joint: Yes



Photo: MH 1-12-MH 1-11-20220831-081944.JPG
 At: 402.3 ft. 8/4 SSC - Surface Spalling of Damage Coating
 Joint: Yes



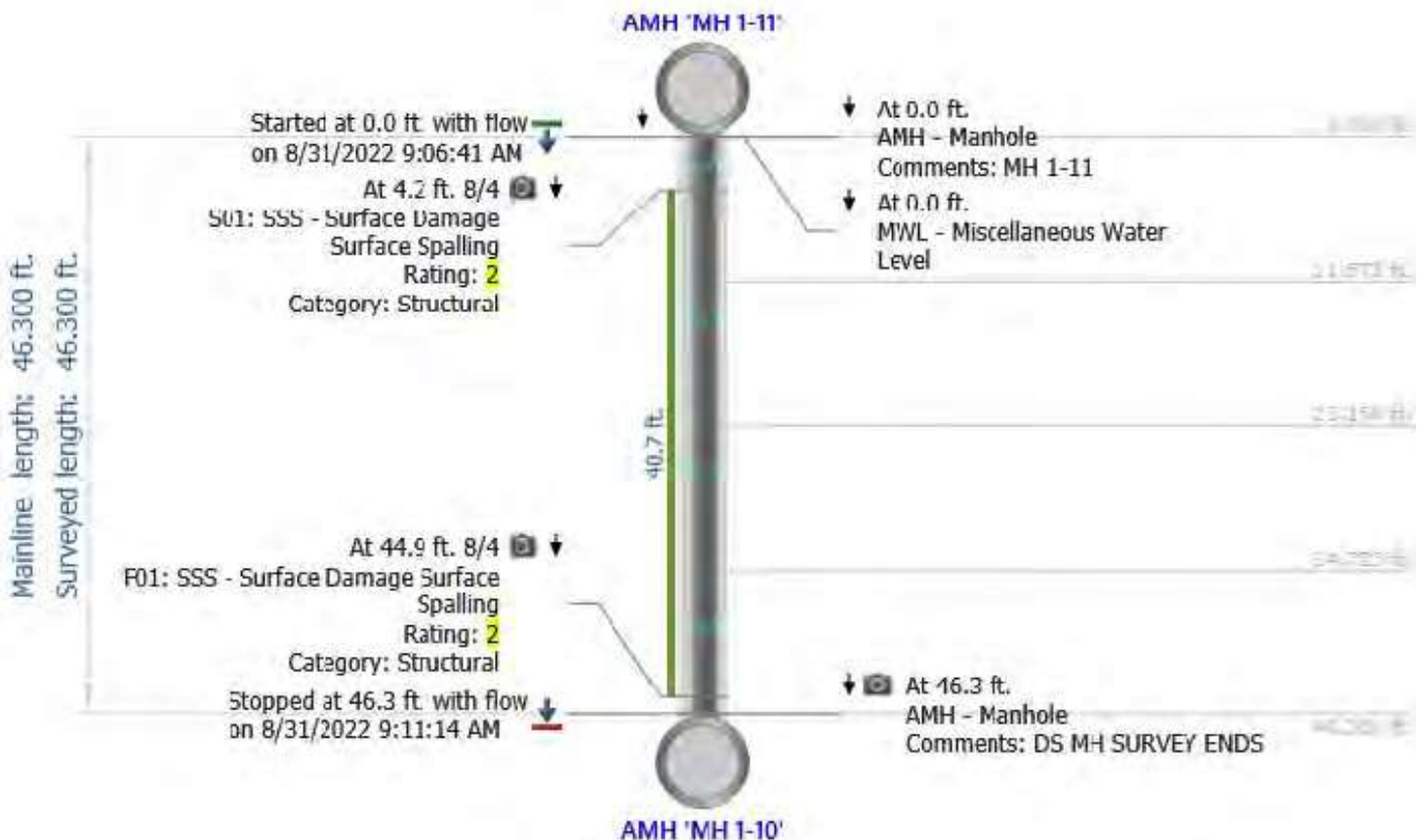
Photo: MH 1-12-MH 1-11-20220831-090339.JPG
 At: 405.9 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220831 09:06	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-11 1-10	
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-11	Downstream MH No: MH 1-10	Direction: D	Total length: 46.300 ft.	Length surveyed: 46.300 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	Laterals/Counter:	Additional info: 1ST PASS

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Pipe Rating Index	LoF	Risk
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index				
1	0	0	16	2800	2.0	0	0	0	0000	0.0	16	2.0	2.8	
2	0	16				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	BROADWAY AVE	20220831 09:13	1-11 1-10



Photo: MH 1-11-MH 1-10-20220831-090839.JPG
At: 4.2 ft. 8/4 SSS - Surface Damage Surface Spalling
Joint: Yes



Photo: MH 1-11-MH 1-10-20220831-091049.JPG
At: 44.9 ft. 8/4 SSS - Surface Damage Surface Spalling
Joint: Yes

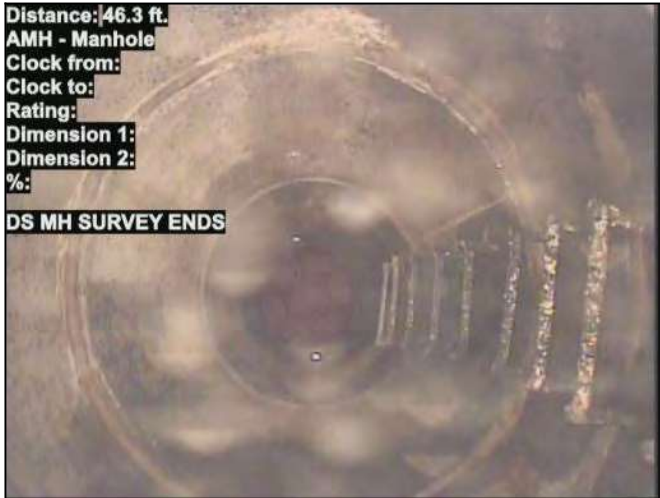


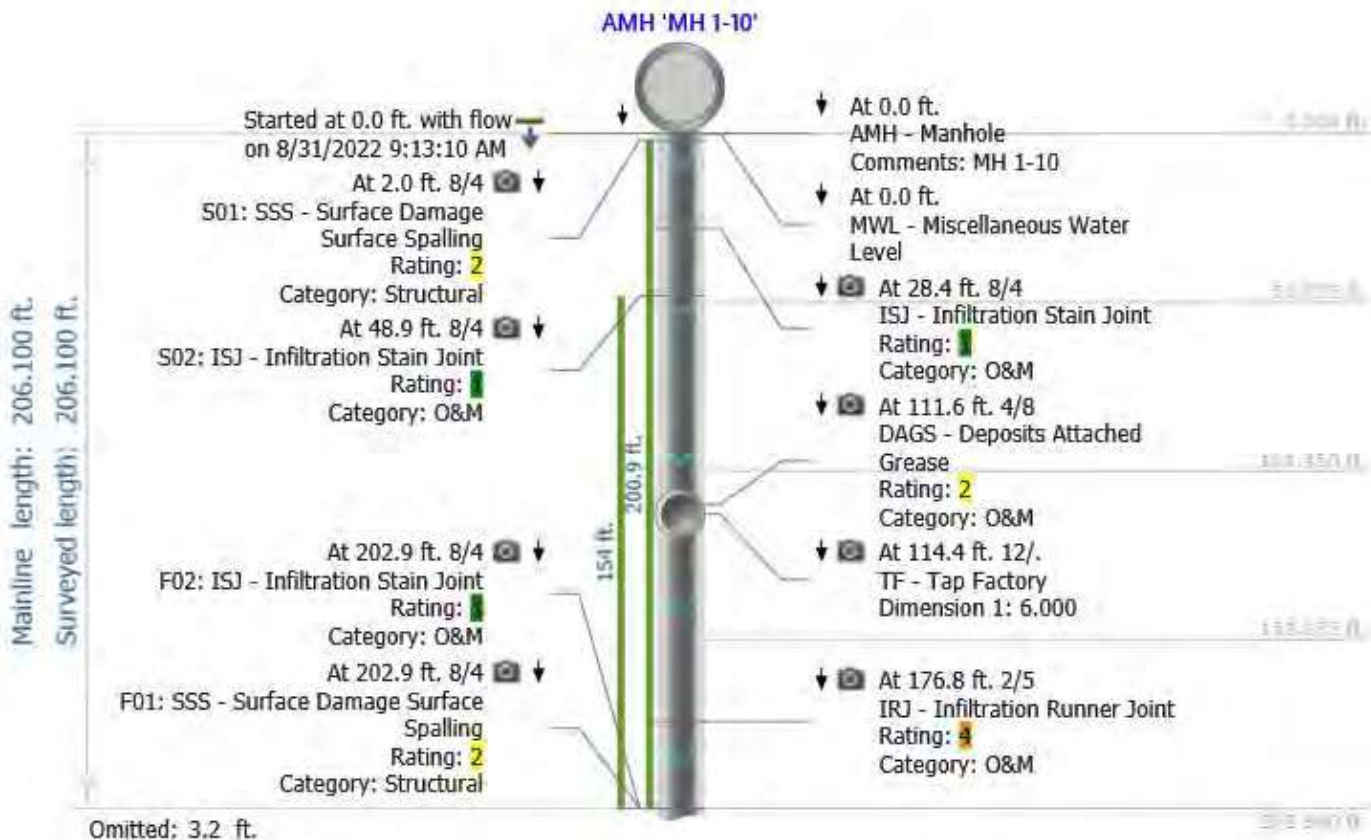
Photo: MH 1-11-MH 1-10-20220831-091106.JPG
At: 46.3 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220831 09:13	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-10 1-09
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-10	Downstream MH No: MH 1-09	Direction: D	Total length: 206.100 ft.	Length surveyed: 206.100 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info: 1ST PASS

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	0	80	2G00	2.0	0	32	38	4121	1.1	118	1.6	4.1	
2	0	80				0	2							
3	0	0				0	0							
4	0	0				0	4							
5	0	0				0	0							



Mainline length: 206.100 ft.
Surveyed length: 206.100 ft.

Omitted: 206.1 ft.

Stopped at 206.1 ft. with flow
on 8/31/2022 9:31:38 AM



AMH 'MH 1-09'



At 206.1 ft.

AMH - Manhole

Comments: DS MH SURVEY ENDS

206.100 ft.

185.100 ft.

NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

BROADWAY AVE

Start date/time:

20220831 09:36

Pipe segment ref.:

1-10 1-09



Photo: MH 1-10-MH 1-09-20220831-091434.JPG

At: 2 ft. 8/4 SSS - Surface Damage Surface Spalling

Joint: Yes



Photo: MH 1-10-MH 1-09-20220831-091613.JPG

At: 28.4 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-10-MH 1-09-20220831-091859_2.JPG

At: 48.9 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-10-MH 1-09-20220831-091859_1.JPG

At: 48.9 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-10-MH 1-09-20220831-091859.JPG
 At: 48.9 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes



Photo: MH 1-10-MH 1-09-20220831-092455_1.JPG
 At: 111.6 ft. 4/8 DAGS - Deposits Attached Grease
 Joint: Yes 10 %



Photo: MH 1-10-MH 1-09-20220831-092455.JPG
 At: 111.6 ft. 4/8 DAGS - Deposits Attached Grease
 Joint: Yes 10 %



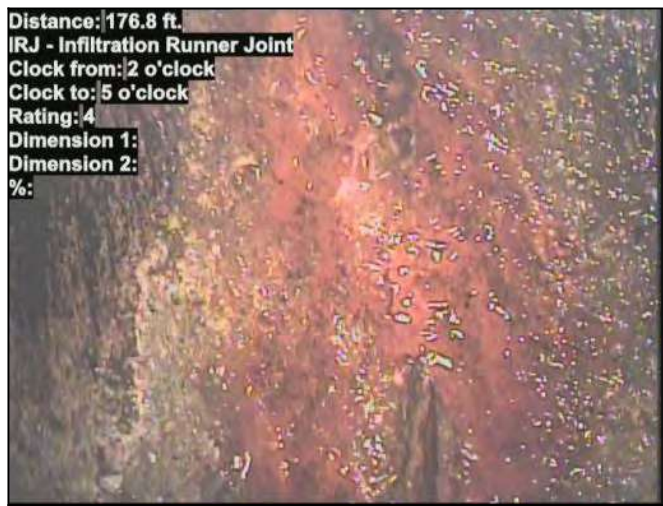
Photo: MH 1-10-MH 1-09-20220831-092158_1.JPG
 At: 114.4 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-10-MH 1-09-20220831-092158.JPG
 At: 114.4 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-10-MH 1-09-20220831-092900_1.JPG
 At: 176.8 ft. 2/5 IRJ - Infiltration Runner Joint
 Joint: Yes



Distance: 176.8 ft.
 IRJ - Infiltration Runner Joint
 Clock from: 2 o'clock
 Clock to: 5 o'clock
 Rating: 4
 Dimension 1:
 Dimension 2:
 %:

Photo: MH 1-10-MH 1-09-20220831-092900.JPG
 At: 176.8 ft. 2/5 IRJ - Infiltration Runner Joint
 Joint: Yes



Distance: 202.9 ft.
 SSS - Surface Damage Surface Spalling
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 2
 Dimension 1:
 Dimension 2:
 %:

Photo: MH 1-10-MH 1-09-20220831-093109.JPG
 At: 202.9 ft. 8/4 SSS - Surface Damage Surface Spalling
 Joint: Yes



Distance: 202.9 ft.
 ISJ - Infiltration Stain Joint
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 1
 Dimension 1:
 Dimension 2:
 %:

Photo: MH 1-10-MH 1-09-20220831-093056.JPG
 At: 202.9 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes



Distance: 206.1 ft.
 AMH - Manhole
 Clock from:
 Clock to:
 Rating:
 Dimension 1:
 Dimension 2:
 %:
 DS MH SURVEY ENDS

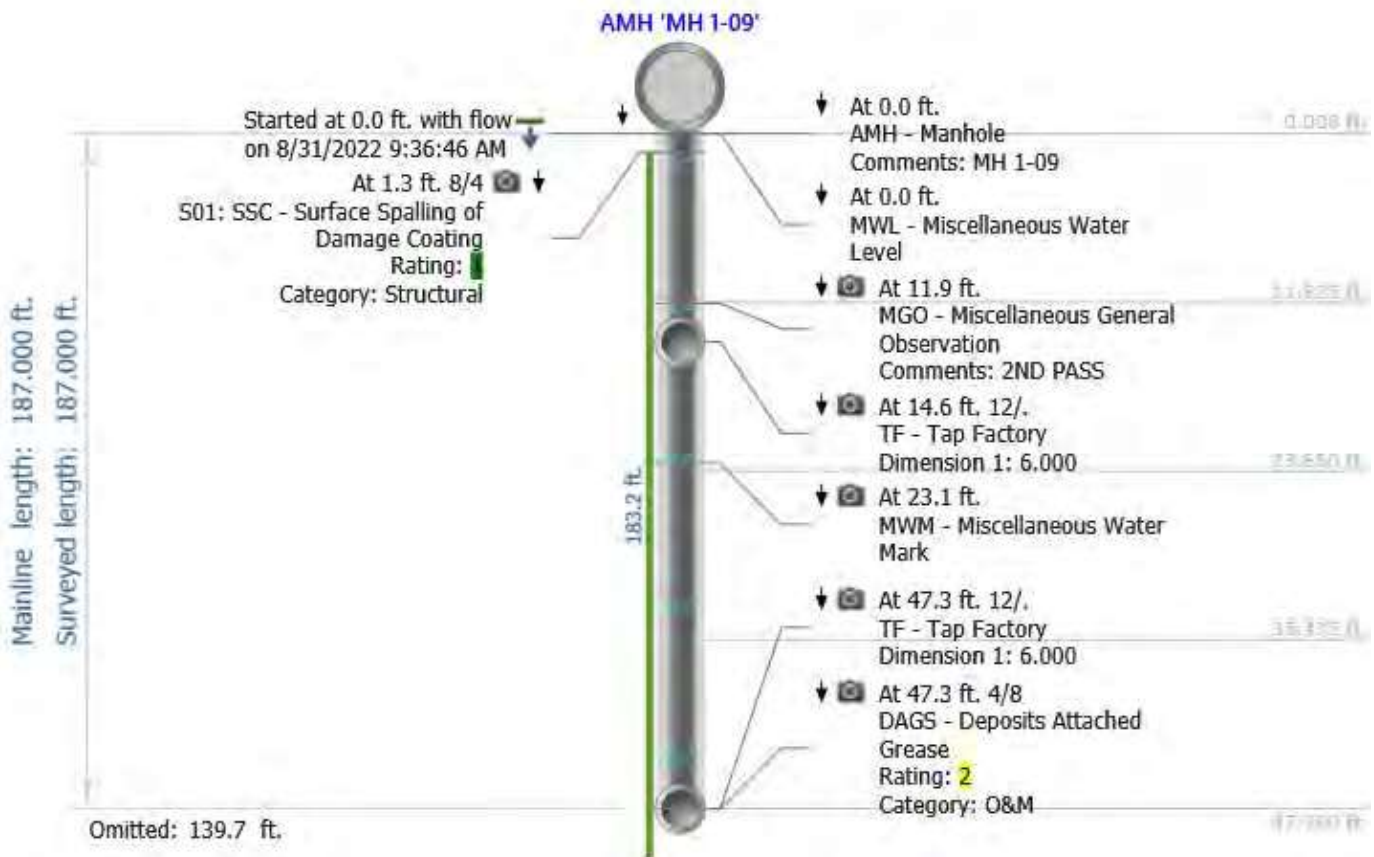
Photo: MH 1-10-MH 1-09-20220831-093132.JPG
 At: 206.1 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

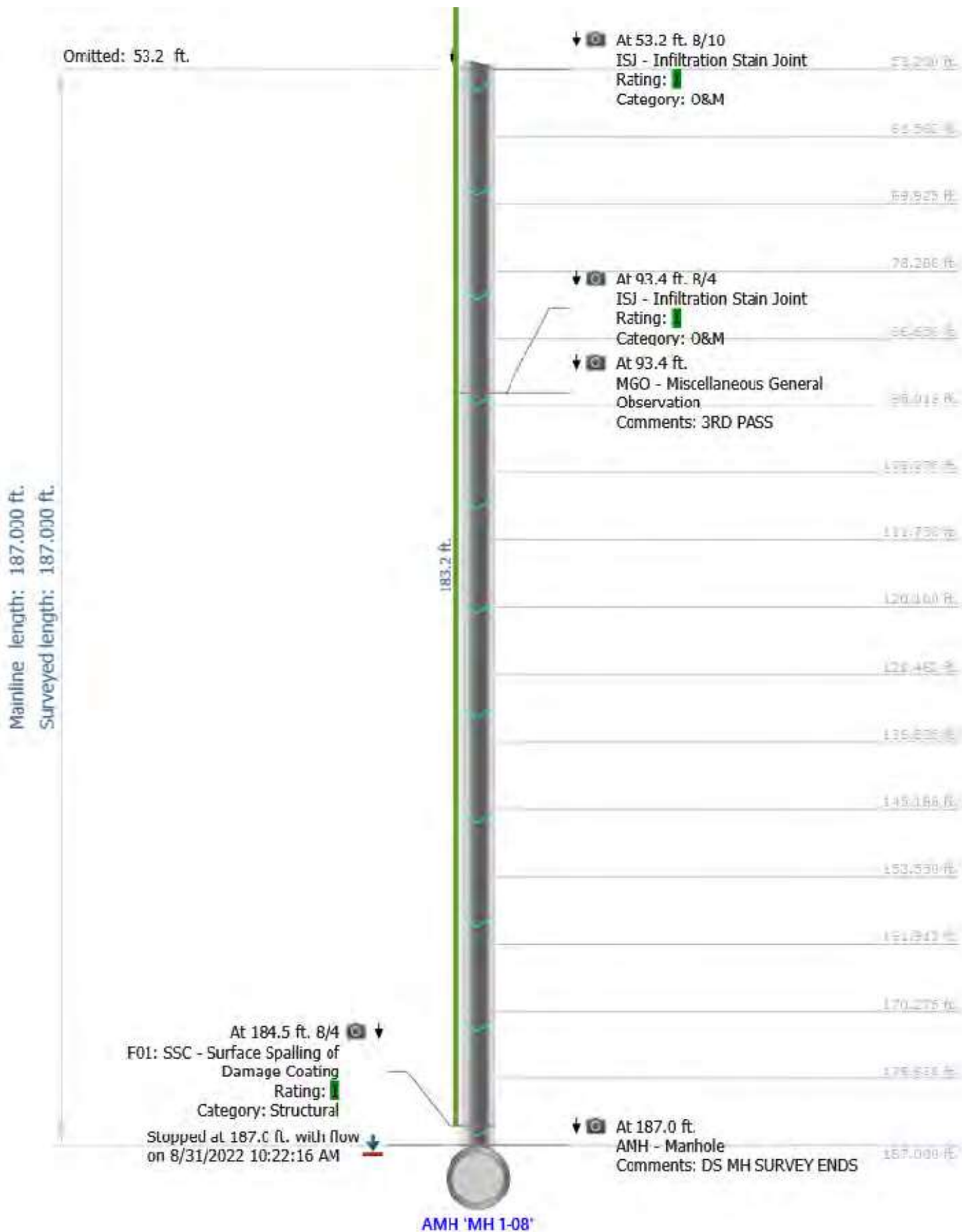
NWMCC INSPECTION REPORT

Start date/time: 20220831 09:36	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-09 1-08	
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-09	Downstream MH No: MH 1-08	Direction: D	Total length: 187.000 ft.	Length surveyed: 187.000 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	Laterals/Counter:	Additional info: 1ST PASS

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	37	37	1F00	1.0	0	2	4	2112	1.3	41	1.0	2.1	
2	0	0				0	2							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	BROADWAY AVE	20220831 11:22	1-09 1-08



Photo: MH 1-09-MH 1-08-20220831-093912.JPG
At: 1.3 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



Photo: MH 1-09-MH 1-08-20220831-095123.JPG
At: 11.9 ft. MGO - Miscellaneous General Observation
Joint: No 2ND PASS



Photo: MH 1-09-MH 1-08-20220831-094023.JPG
At: 14.6 ft. 12/ TF - Tap Factory
Joint: No



Photo: MH 1-09-MH 1-08-20220831-095307.JPG
At: 23.1 ft. MWM - Miscellaneous Water Mark
Joint: No 40 %



Photo: MH 1-09-MH 1-08-20220831-095442_1.JPG

At: 47.3 ft. 12/. TF - Tap Factory

Joint: No



Photo: MH 1-09-MH 1-08-20220831-095442.JPG

At: 47.3 ft. 12/. TF - Tap Factory

Joint: No



Photo: MH 1-09-MH 1-08-20220831-095529.JPG

At: 47.3 ft. 4/8 DAGS - Deposits Attached Grease

Joint: Yes 10 %



Photo: MH 1-09-MH 1-08-20220831-095645.JPG

At: 53.2 ft. 8/10 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-09-MH 1-08-20220831-101340.JPG

At: 93.4 ft. MGO - Miscellaneous General Observation

Joint: No 3RD PASS



Photo: MH 1-09-MH 1-08-20220831-095920.JPG

At: 93.4 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-09-MH 1-08-20220831-102126.JPG
At: 184.5 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



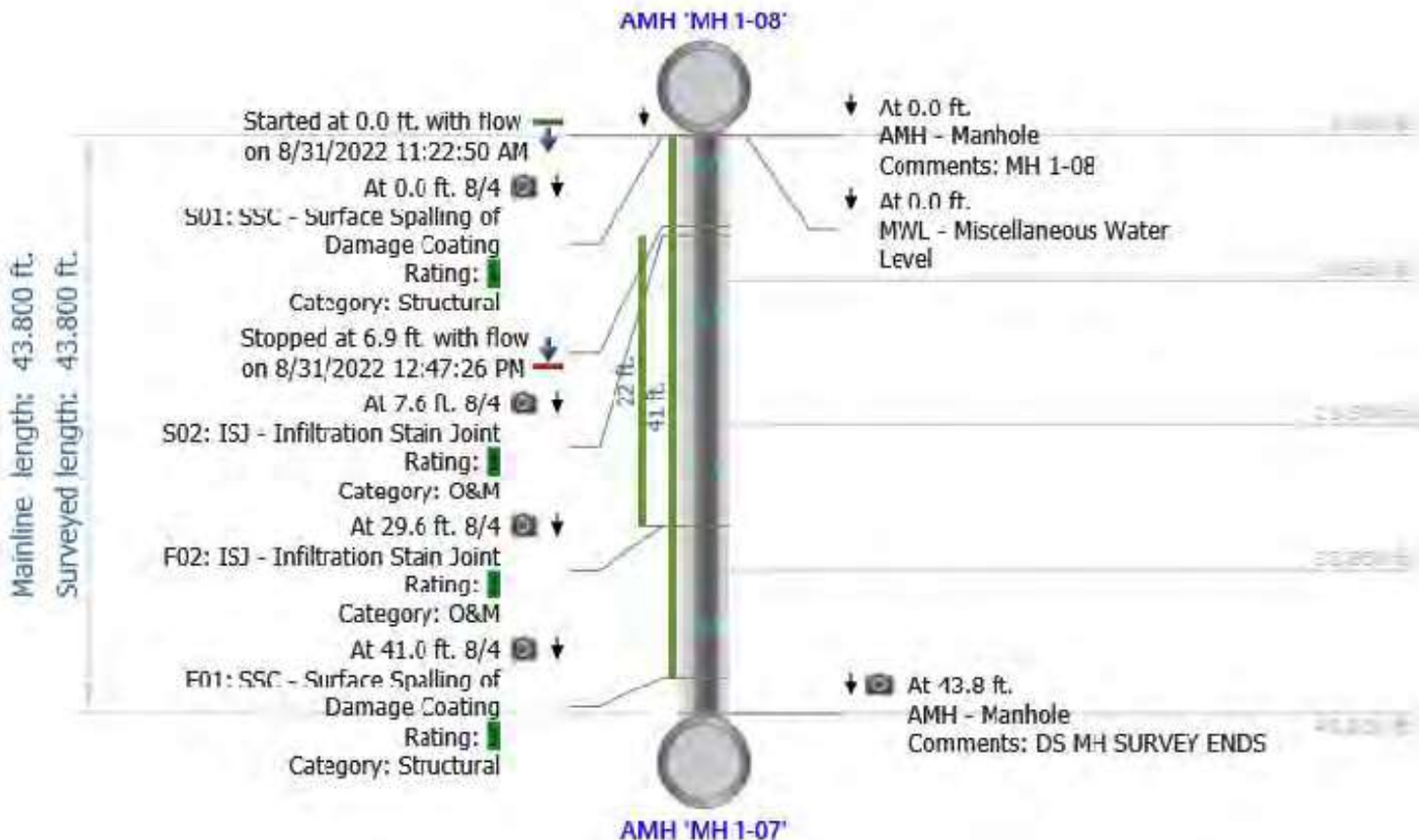
Photo: MH 1-09-MH 1-08-20220831-102201.JPG
At: 187 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220831 11:22	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-08 1-07
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-08	Downstream MH No: MH 1-07	Direction: D	Total length: 43.800 ft.	Length surveyed: 43.800 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	8	8	1800	1.0	0	4	4	1400	1.0	12	1.0	2.0	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

BROADWAY AVE

Start date/time:

20220831 12:47

Pipe segment ref.:

1-08 1-07



Photo: MH 1-08-MH 1-07-20220831-112434.JPG

At: 0 ft. 8/4 SSC - Surface Spalling of Damage Coating

Joint: Yes



Photo: MH 1-08-MH 1-07-20220831-112701_2.JPG

At: 7.6 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-08-MH 1-07-20220831-112701_1.JPG

At: 7.6 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-08-MH 1-07-20220831-112701.JPG

At: 7.6 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-08-MH 1-07-20220831-112809.JPG
 At: 29.6 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes



Photo: MH 1-08-MH 1-07-20220831-112900.JPG
 At: 41 ft. 8/4 SSC - Surface Spalling of Damage Coating
 Joint: Yes

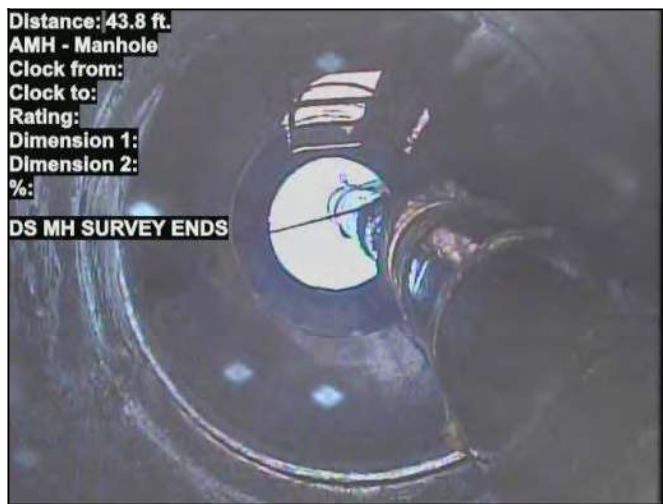


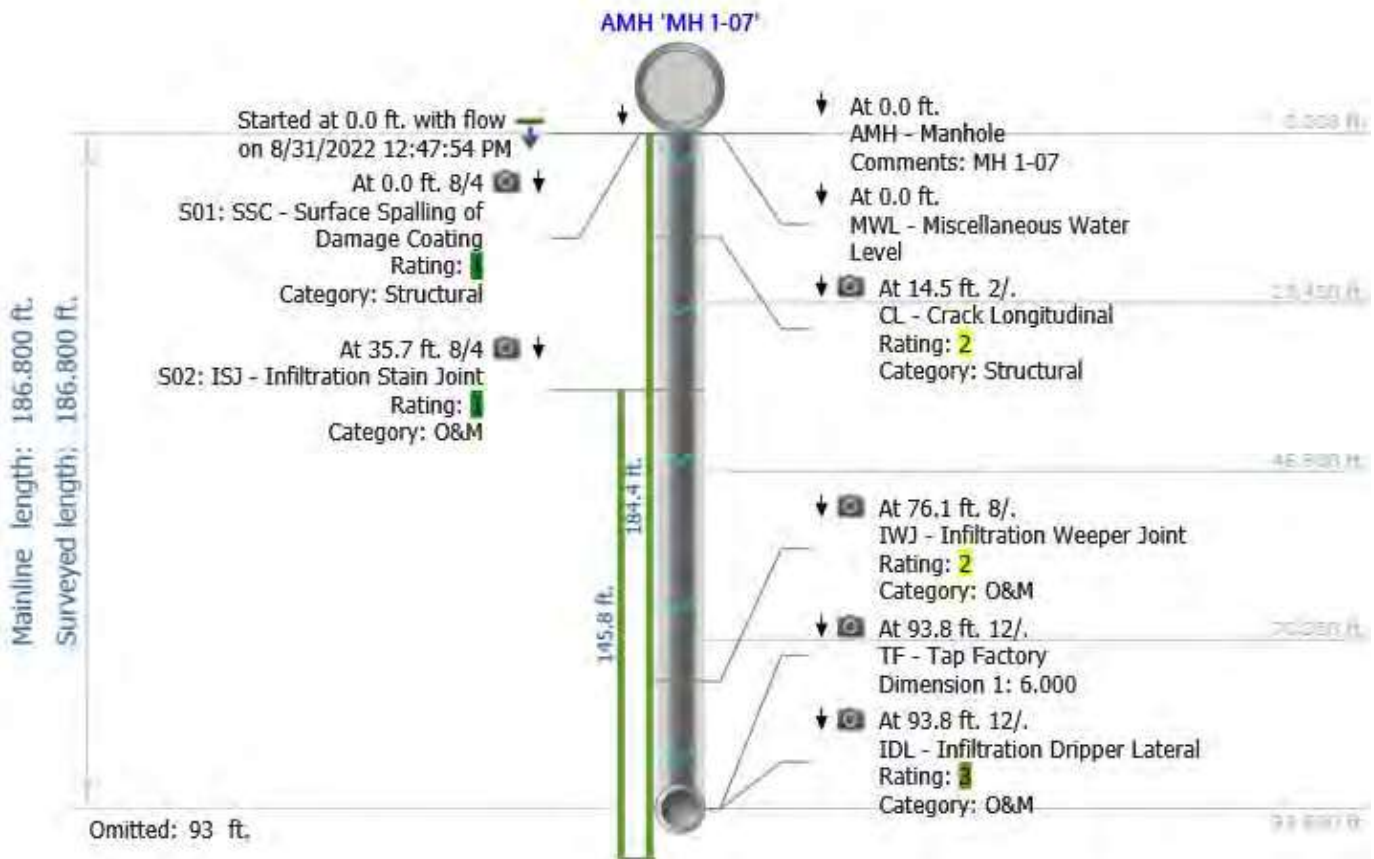
Photo: MH 1-08-MH 1-07-20220831-112932.JPG
 At: 43.8 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

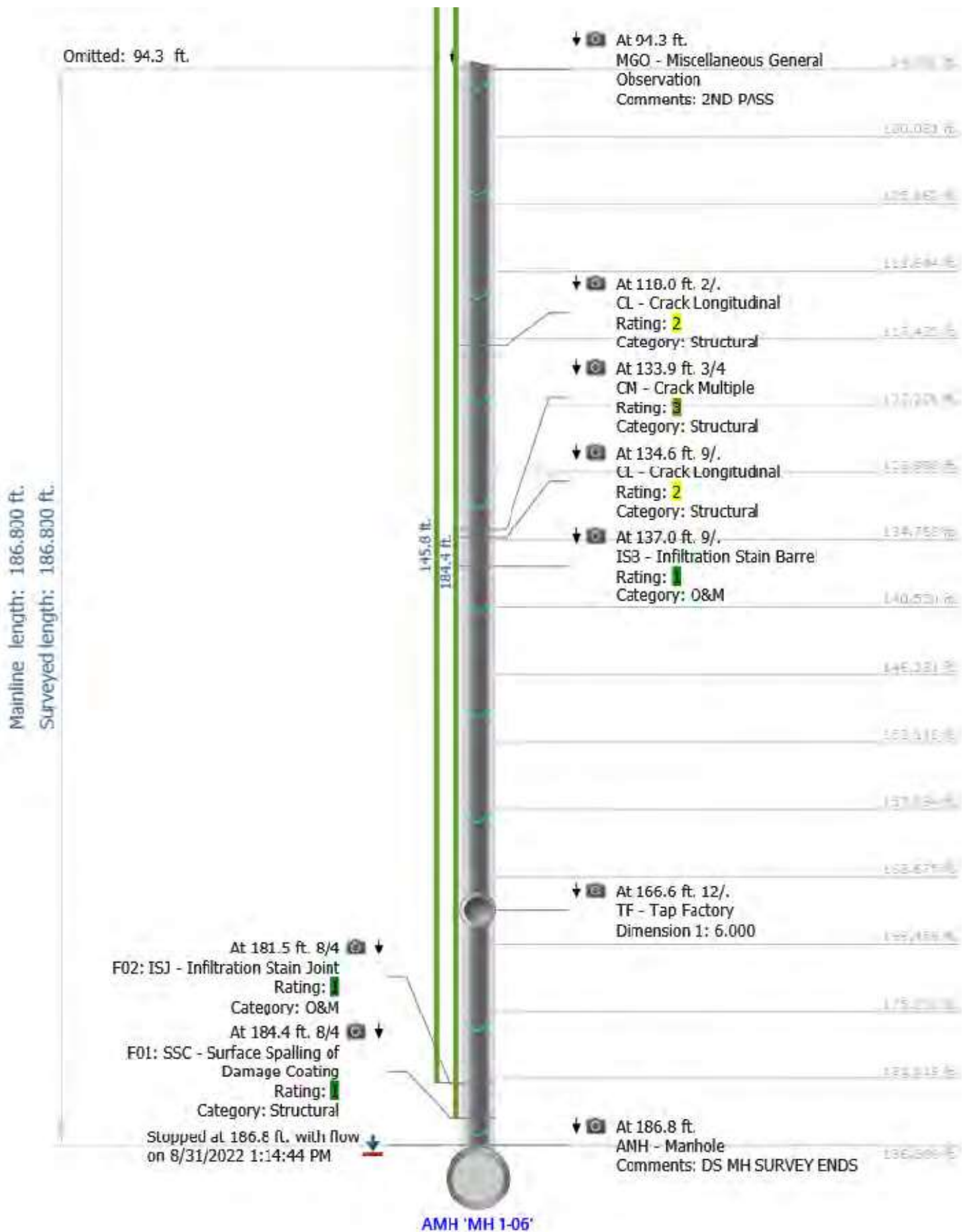
NWMCC INSPECTION REPORT

Start date/time: 20220831 12:47	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-07 1-06
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-07	Downstream MH No: MH 1-06	Direction: D	Total length: 186.800 ft.	Length surveyed: 186.800 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info: 1ST PASS

Pipe Ratings

Grade	Defects	Segment Grade	Structural:			Defects	Segment Grade	O&M:			Pipe Rating	Pipe Rating Index	LoF	Risk
			Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index				
1	0	37	46	3123	1.1	0	30	35	3121	1.1	81	1.1	3.2	
2	0	6				0	2							
3	0	3				0	3							
4	0	0				0	0							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	BROADWAY AVE	20220831 13:17	1-07 1-06



Photo: MH 1-07-MH 1-06-20220831-124859.JPG
At: 0 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



Photo: MH 1-07-MH 1-06-20220831-125032.JPG
At: 14.5 ft. 2/ CL - Crack Longitudinal
Joint: No



Photo: MH 1-07-MH 1-06-20220831-125339_2.JPG
At: 35.7 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-07-MH 1-06-20220831-125339_1.JPG
At: 35.7 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 35.7 ft.
ISJ - Infiltration Stain Joint
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-07-MH 1-06-20220831-125339.JPG
At: 35.7 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 76.1 ft.
IWJ - Infiltration Weeper Joint
Clock from: 8 o'clock
Clock to:
Rating: 2
Dimension 1:
Dimension 2:
%:
Photo: MH 1-07-MH 1-06-20220831-125615.JPG
At: 76.1 ft. 8/. IWJ - Infiltration Weeper Joint
Joint: Yes



Distance: 93.8 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-07-MH 1-06-20220831-125720.JPG
At: 93.8 ft. 12/. TF - Tap Factory
Joint: No



Distance: 93.8 ft.
IDL - Infiltration Dripper Lateral
Clock from: 12 o'clock
Clock to:
Rating: 3
Dimension 1:
Dimension 2:
%:
Photo: MH 1-07-MH 1-06-20220831-125750.JPG
At: 93.8 ft. 12/. IDL - Infiltration Dripper Lateral
Joint: Yes



8/31/2022 1:05:20 PM
Upstream MH No: AMH 'MH 1-07'
Downstream MH No: AMH 'MH 1-06'
Height: 24 in.
113.7 ft.
Photo: MH 1-07-MH 1-06-20220831-130320_1.JPG
At: 94.3 ft. MGO - Miscellaneous General Observation
Joint: No 2ND PASS



Distance: 94.3 ft.
MGO - Miscellaneous General Observation
Clock from:
Clock to:
Rating:
Dimension 1:
Dimension 2:
%:
2ND PASS
Photo: MH 1-07-MH 1-06-20220831-130320.JPG
At: 94.3 ft. MGO - Miscellaneous General Observation
Joint: No 2ND PASS



Distance: 118.0 ft.
CL - Crack Longitudinal
Clock from: 2 o'clock
Clock to:
Rating: 2
Dimension 1:
Dimension 2:
%:

Photo: MH 1-07-MH 1-06-20220831-130548_1.JPG

At: 118 ft. 2/. CL - Crack Longitudinal

Joint: Yes



Distance: 118.0 ft.
CL - Crack Longitudinal
Clock from: 2 o'clock
Clock to:
Rating: 2
Dimension 1:
Dimension 2:
%:

Photo: MH 1-07-MH 1-06-20220831-130548.JPG

At: 118 ft. 2/. CL - Crack Longitudinal

Joint: Yes



Distance: 133.9 ft.
CM - Crack Multiple
Clock from: 3 o'clock
Clock to: 4 o'clock
Rating: 3
Dimension 1:
Dimension 2:
%:

Photo: MH 1-07-MH 1-06-20220831-130738.JPG

At: 133.9 ft. 3/4 CM - Crack Multiple

Joint: Yes



Distance: 134.6 ft.
CL - Crack Longitudinal
Clock from: 9 o'clock
Clock to:
Rating: 2
Dimension 1:
Dimension 2:
%:

Photo: MH 1-07-MH 1-06-20220831-130846.JPG

At: 134.6 ft. 9/. CL - Crack Longitudinal

Joint: Yes



8/31/2022 1:11:08 PM
Upstream MH No: AMH 'MH 1-07'
Downstream MH No: AMH 'MH 1-06'
Height: 24 in.

154.7 ft.

Photo: MH 1-07-MH 1-06-20220831-130914_3.JPG

At: 137 ft. 9/. ISB - Infiltration Stain Barrel

Joint: No



8/31/2022 1:11:04 PM
Upstream MH No: AMH 'MH 1-07'
Downstream MH No: AMH 'MH 1-06'
Height: 24 in.

154.2 ft.

Photo: MH 1-07-MH 1-06-20220831-130914_2.JPG

At: 137 ft. 9/. ISB - Infiltration Stain Barrel

Joint: No



Photo: MH 1-07-MH 1-06-20220831-130914_1.JPG
 At: 137 ft. 9/. ISB - Infiltration Stain Barrel
 Joint: No



Photo: MH 1-07-MH 1-06-20220831-130914.JPG
 At: 137 ft. 9/. ISB - Infiltration Stain Barrel
 Joint: No

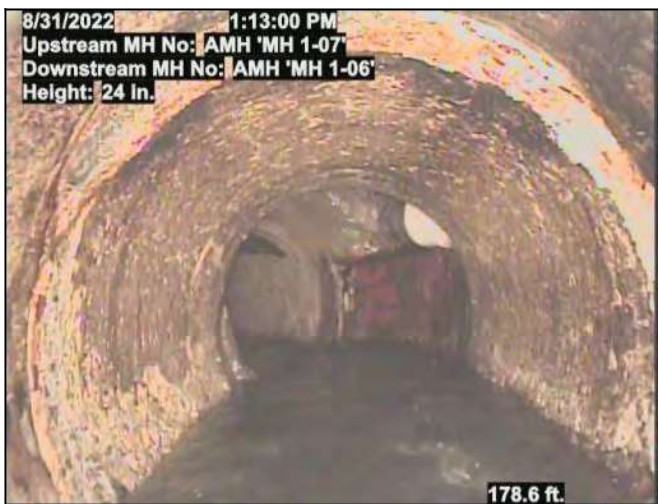


Photo: MH 1-07-MH 1-06-20220831-131157_2.JPG
 At: 166.6 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-07-MH 1-06-20220831-131157_1.JPG
 At: 166.6 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-07-MH 1-06-20220831-131157.JPG
 At: 166.6 ft. 12/. TF - Tap Factory
 Joint: No



Photo: MH 1-07-MH 1-06-20220831-131333.JPG
 At: 181.5 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes



Photo: MH 1-07-MH 1-06-20220831-131346.JPG
 At: 184.4 ft. 8/4 SSC - Surface Spalling of Damage Coating
 Joint: Yes



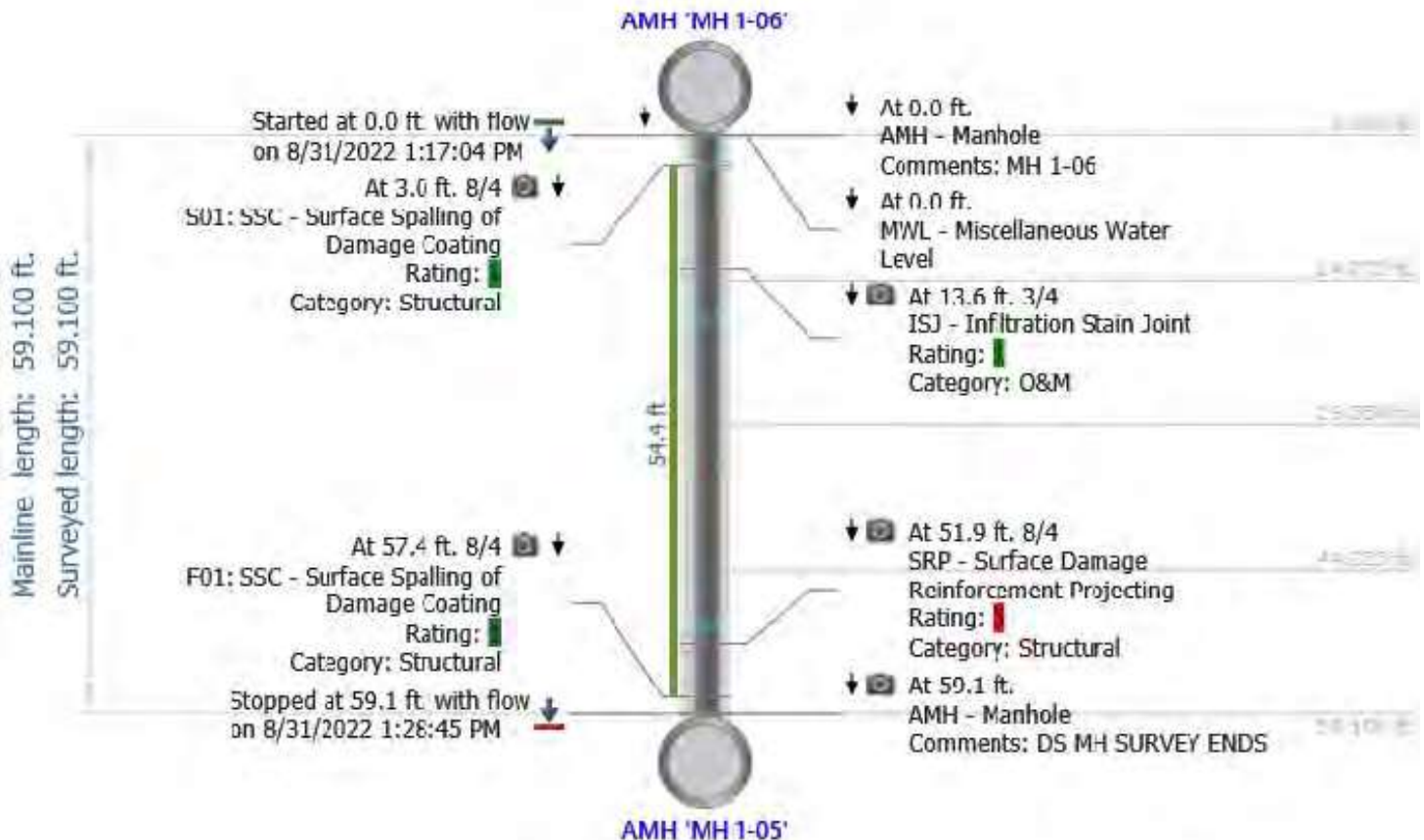
Photo: MH 1-07-MH 1-06-20220831-131435.JPG
 At: 186.8 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220831 13:17	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-06 1-05
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220831	Project name: CDM002-28
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-06	Downstream MH No: MH 1-05	Direction: D	Total length: 59.100 ft.	Length surveyed: 59.100 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 24 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	11	16	511A	1.3	0	1	1	1100	1.0	17	1.3	5.1	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	5				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	BROADWAY AVE	20220831 13:33	1-06 1-05



Photo: MH 1-06-MH 1-05-20220831-131817.JPG
At: 3 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



Photo: MH 1-06-MH 1-05-20220831-132421_1.JPG
At: 13.6 ft. 3/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-06-MH 1-05-20220831-132421.JPG
At: 13.6 ft. 3/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-06-MH 1-05-20220831-132642_1.JPG
At: 51.9 ft. 8/4 SRP - Surface Damage Reinforcement Projecting
Joint: Yes



Photo: MH 1-06-MH 1-05-20220831-132642.JPG
At: 51.9 ft. 8/4 SRP - Surface Damage Reinforcement Projecting
Joint: Yes



Photo: MH 1-06-MH 1-05-20220831-132739.JPG
At: 57.4 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



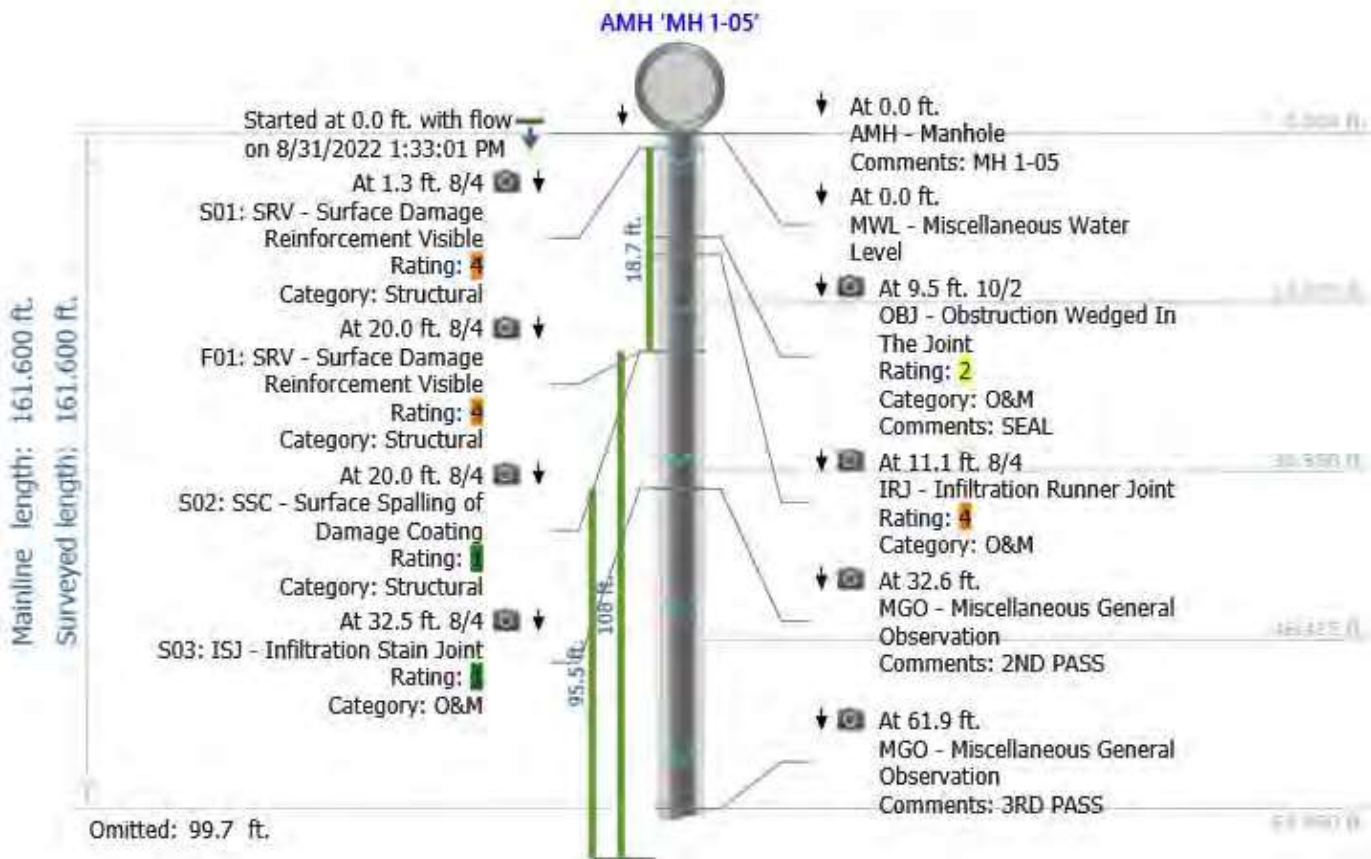
Photo: MH 1-06-MH 1-05-20220831-132831.JPG
At: 59.1 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

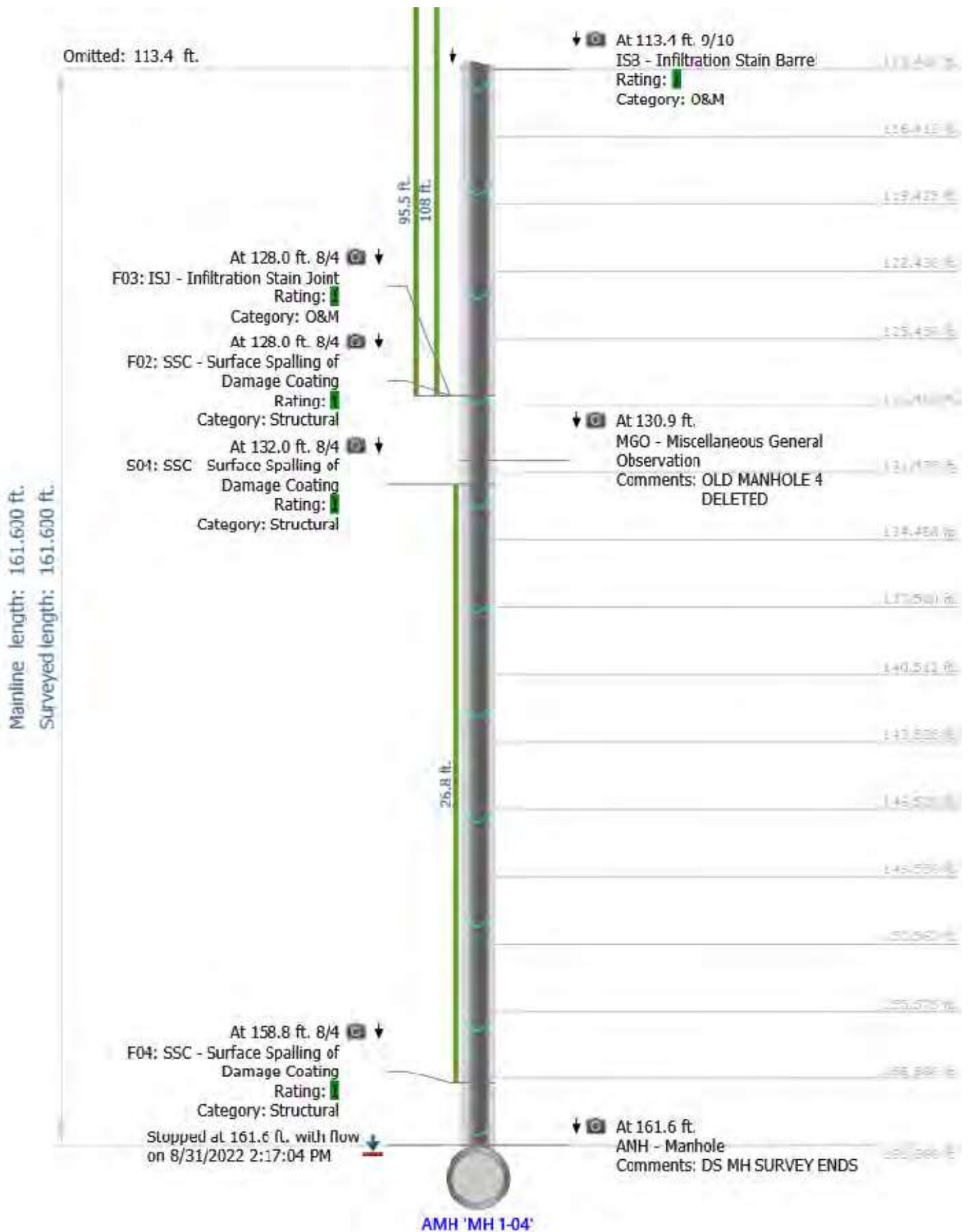
NWMCC INSPECTION REPORT

Start date/time: 20220831 13:33	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-05 1-04
Owner:	Customer:	Pre-cleaning: Light Cleaning	Date cleaned: 20220831	Project name: CDM002-28
City: STONINGTON CT	Street: BROADWAY AVE	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-05	Downstream MH No: MH 1-04	Direction: D	Total length: 161.600 ft.	Length surveyed: 161.600 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 30 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	27	43	441D	1.4	0	20	26	4121	1.2	69	1.3	4.5	
2	0	0				0	2							
3	0	0				0	0							
4	0	16				0	4							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

BROADWAY AVE

Start date/time:

20220901 08:56

Pipe segment ref.:

1-05 1-04



Photo: MH 1-05-MH 1-04-20220831-133415.JPG

At: 1.3 ft. 8/4 SRV - Surface Damage Reinforcement Visible

Joint: Yes



Photo: MH 1-05-MH 1-04-20220831-133618_1.JPG

At: 9.5 ft. 10/2 OBJ - Obstruction Wedged In The Joint

Joint: Yes 10 % SEAL



Photo: MH 1-05-MH 1-04-20220831-133618.JPG

At: 9.5 ft. 10/2 OBJ - Obstruction Wedged In The Joint

Joint: Yes 10 % SEAL



Photo: MH 1-05-MH 1-04-20220831-133823.JPG

At: 11.1 ft. 8/4 IRJ - Infiltration Runner Joint

Joint: Yes



Photo: MH 1-05-MH 1-04-20220831-133912.JPG
At: 20 ft. 8/4 SRV - Surface Damage Reinforcement Visible
Joint: Yes



Photo: MH 1-05-MH 1-04-20220831-133924.JPG
At: 20 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



Photo: MH 1-05-MH 1-04-20220831-134111.JPG
At: 32.5 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-05-MH 1-04-20220831-135349.JPG
At: 32.6 ft. MGO - Miscellaneous General Observation
Joint: No 2ND PASS



Photo: MH 1-05-MH 1-04-20220831-140626.JPG
At: 61.9 ft. MGO - Miscellaneous General Observation
Joint: No 3RD PASS



Photo: MH 1-05-MH 1-04-20220831-140949.JPG
At: 113.4 ft. ISB - Infiltration Stain Barrel 9/10
Joint: No



Distance: 128.0 ft.
 ISJ - Infiltration Stain Joint
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 1
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-05-MH 1-04-20220831-141101.JPG
 At: 128 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes



Distance: 128.0 ft.
 SSC - Surface Spalling of Damage Coating
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 1
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-05-MH 1-04-20220831-141114.JPG
 At: 128 ft. 8/4 SSC - Surface Spalling of Damage Coating
 Joint: Yes



Distance: 130.9 ft.
 MGO - Miscellaneous General Observation
 Clock from:
 Clock to:
 Rating:
 Dimension 1:
 Dimension 2:
 %:
 OLD MANHOLE 4 DELETED
 Photo: MH 1-05-MH 1-04-20220831-141259.JPG
 At: 130.9 ft. MGO - Miscellaneous General Observation
 Joint: No OLD MANHOLE 4 DELETED



Distance: 132.0 ft.
 SSC - Surface Spalling of Damage Coating
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 1
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-05-MH 1-04-20220831-141338.JPG
 At: 132 ft. 8/4 SSC - Surface Spalling of Damage Coating
 Joint: Yes



Distance: 158.8 ft.
 SSC - Surface Spalling of Damage Coating
 Clock from: 8 o'clock
 Clock to: 4 o'clock
 Rating: 1
 Dimension 1:
 Dimension 2:
 %:
 Photo: MH 1-05-MH 1-04-20220831-141547.JPG
 At: 158.8 ft. 8/4 SSC - Surface Spalling of Damage Coating
 Joint: Yes



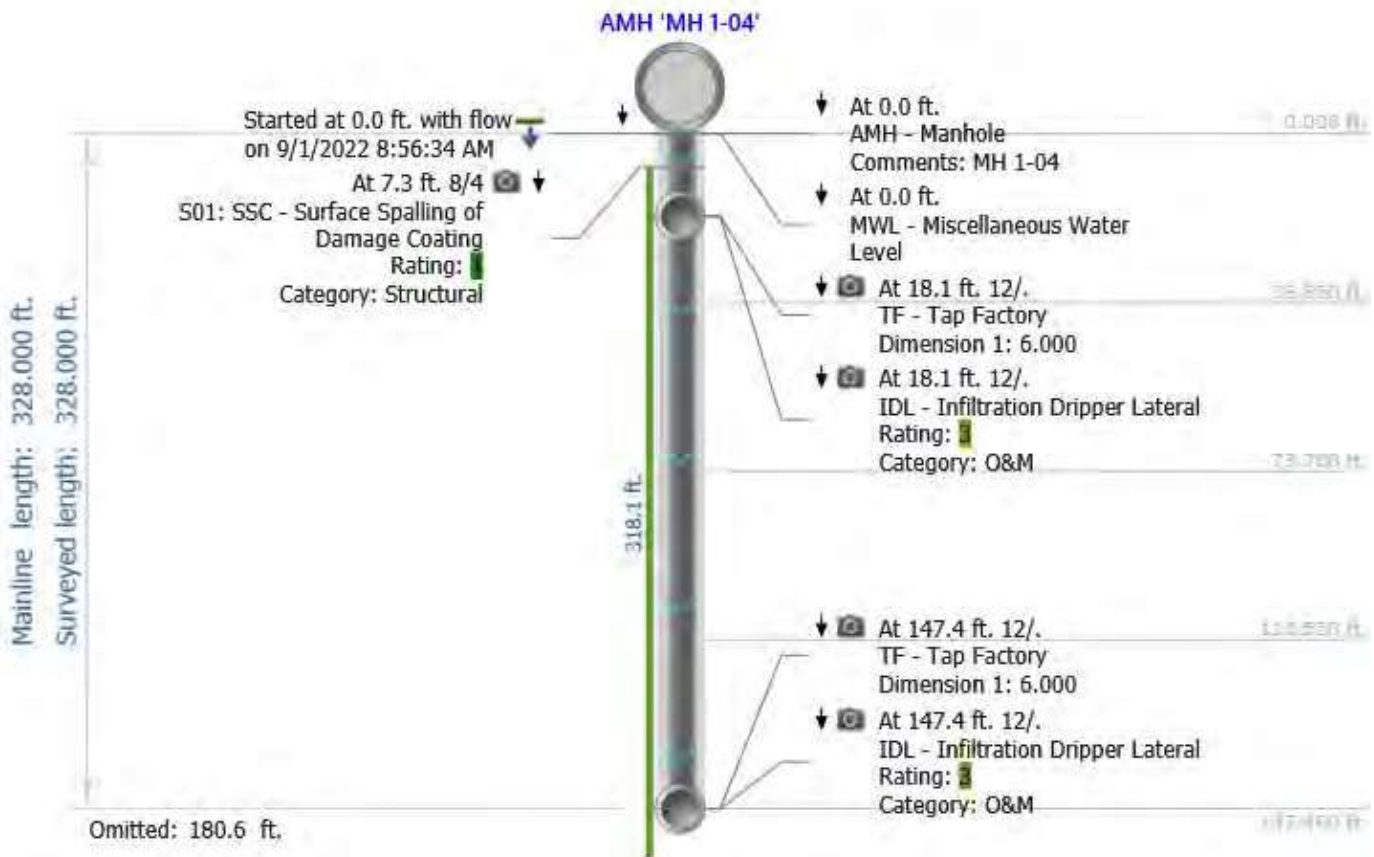
Distance: 161.6 ft.
 AMH - Manhole
 Clock from:
 Clock to:
 Rating:
 Dimension 1:
 Dimension 2:
 %:
 DS MH SURVEY ENDS
 Photo: MH 1-05-MH 1-04-20220831-141647.JPG
 At: 161.6 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

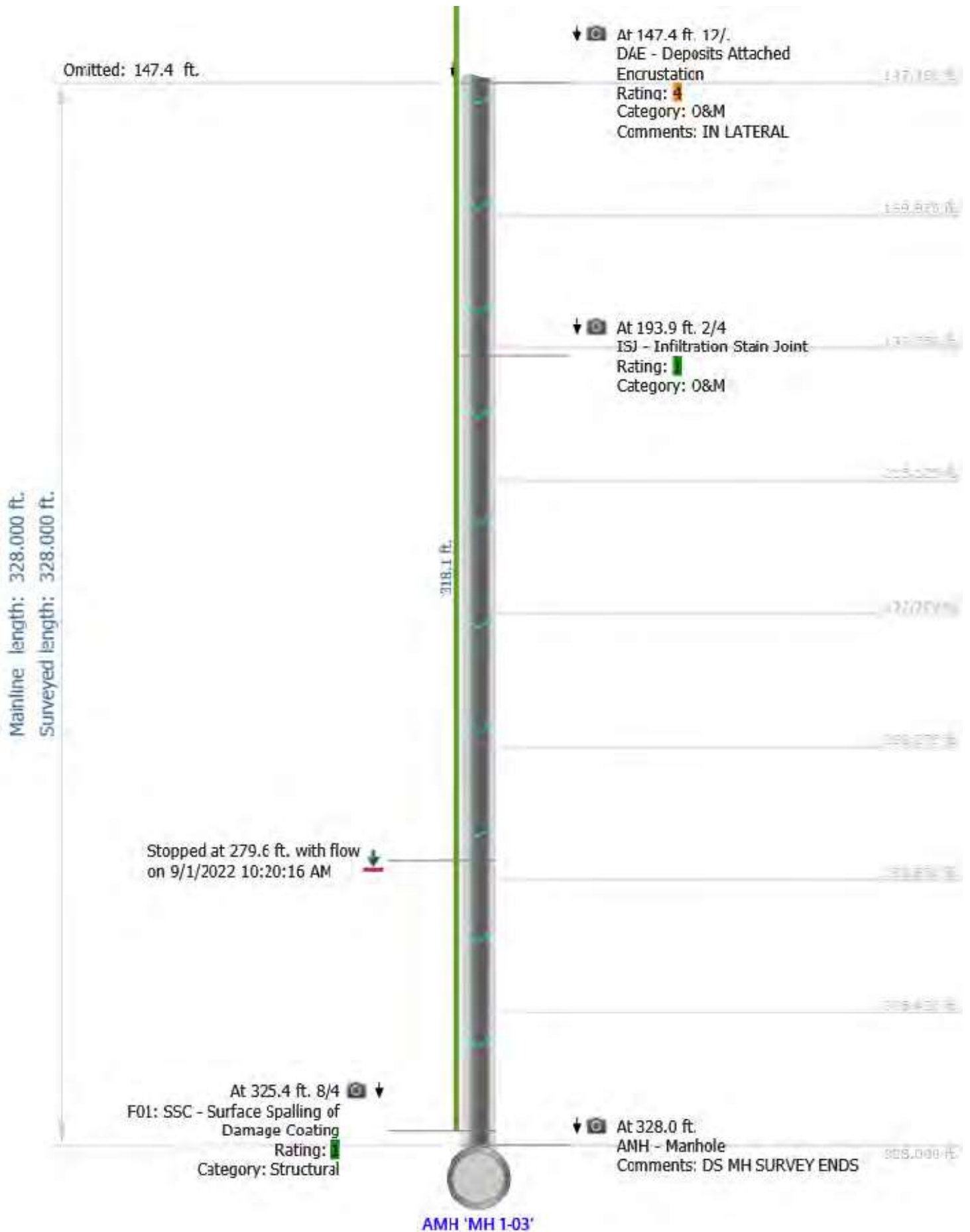
NWMCC INSPECTION REPORT

Start date/time: 20220901 08:56	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-04 1-03	
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: BROADWAY AVE EXT	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-04	Downstream MH No: MH 1-03	Direction: D	Total length: 328.000 ft.	Length surveyed: 328.000 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 30 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	64	64	1K00	1.0	0	1	11	4132	2.8	75	1.1	4.1	
2	0	0				0	0							
3	0	0				0	6							
4	0	0				0	4							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

BROADWAY AVE EXT

Start date/time:

20220901 10:59

Pipe segment ref.:

1-04 1-03

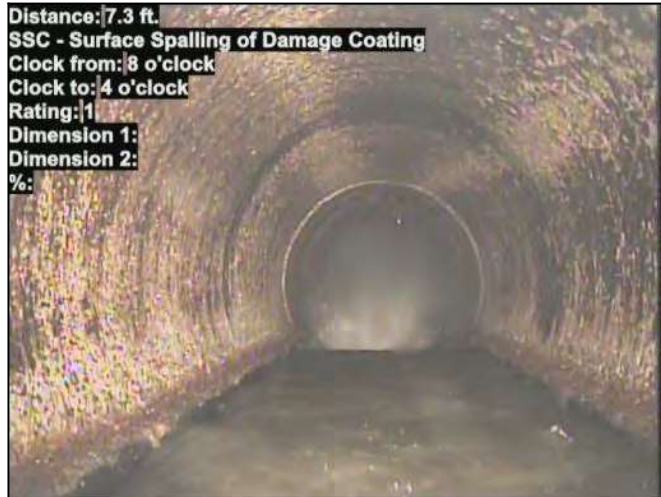


Photo: MH 1-04-MH 1-03-20220901-091810.JPG
At: 7.3 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



Photo: MH 1-04-MH 1-03-20220901-091855.JPG
At: 18.1 ft. 12/. TF - Tap Factory
Joint: No



Photo: MH 1-04-MH 1-03-20220901-091911.JPG
At: 18.1 ft. 12/. IDL - Infiltration Drinker Lateral
Joint: No



Photo: MH 1-04-MH 1-03-20220901-095727.JPG
At: 147.4 ft. 12/. TF - Tap Factory
Joint: No



Photo: MH 1-04-MH 1-03-20220901-095751_1.JPG
At: 147.4 ft. 12/. DAE - Deposits Attached Encrustation
Joint: No 30 % IN LATERAL



Photo: MH 1-04-MH 1-03-20220901-095751.JPG
At: 147.4 ft. 12/. DAE - Deposits Attached Encrustation
Joint: No 30 % IN LATERAL



Photo: MH 1-04-MH 1-03-20220901-095736.JPG
At: 147.4 ft. 12/. IDL - Infiltration Dripper Lateral
Joint: No



Photo: MH 1-04-MH 1-03-20220901-100109_1.JPG
At: 193.9 ft. 2/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-04-MH 1-03-20220901-100109.JPG
At: 193.9 ft. 2/4 ISJ - Infiltration Stain Joint
Joint: Yes



Photo: MH 1-04-MH 1-03-20220901-101659.JPG
At: 325.4 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes

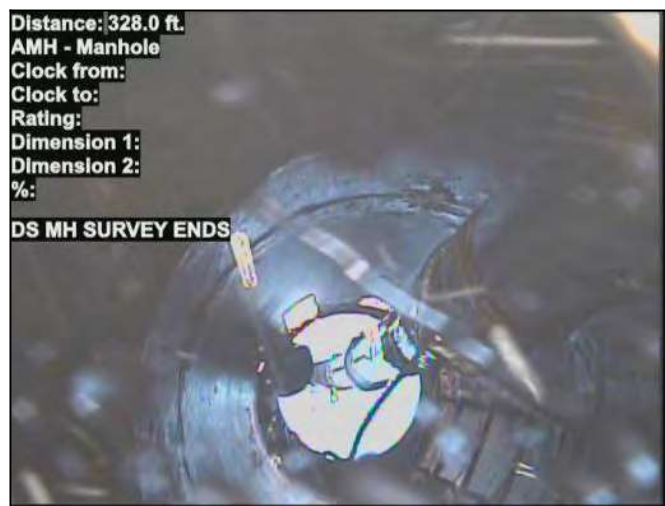


Photo: MH 1-04-MH 1-03-20220901-101729.JPG

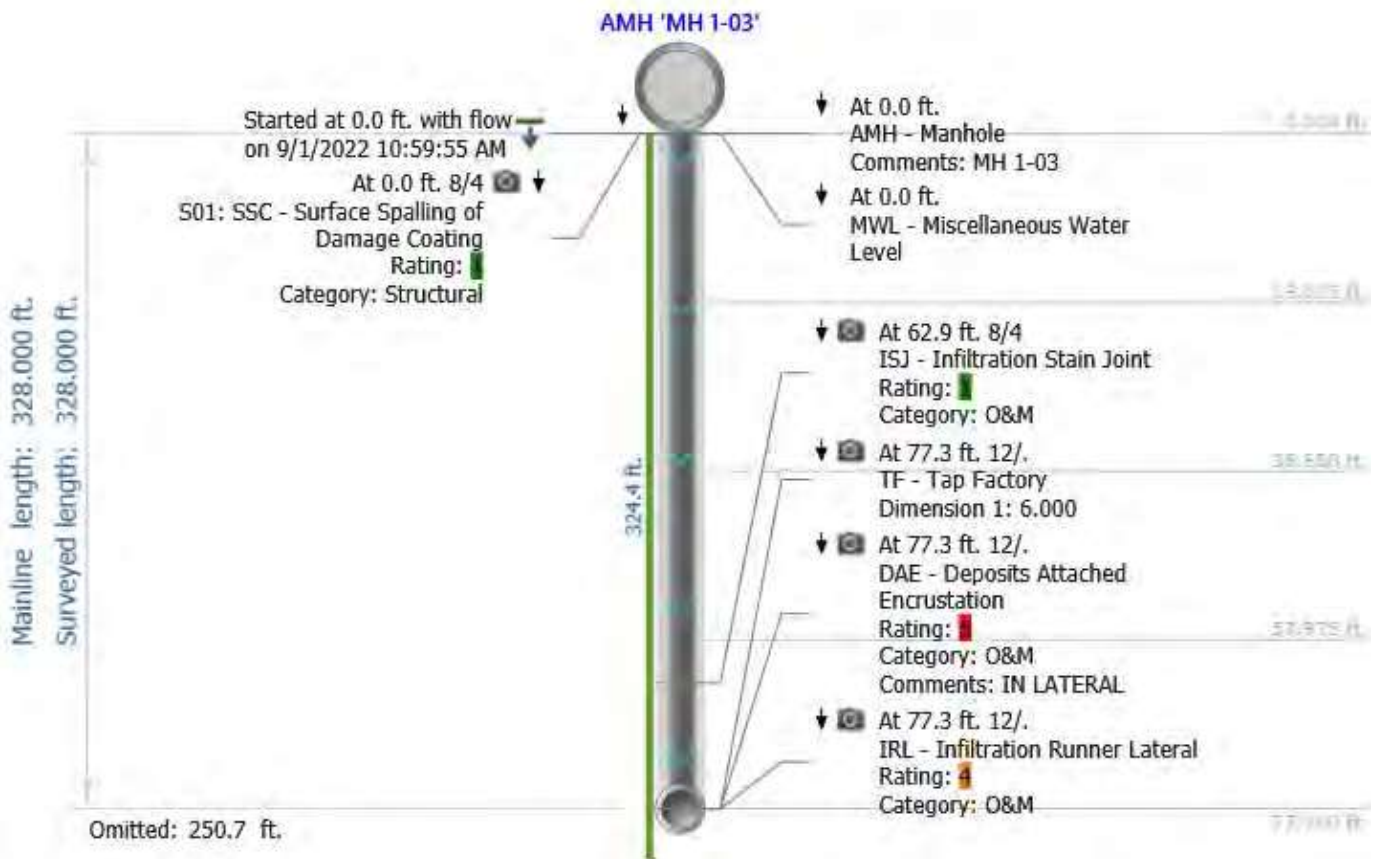
At: 328 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

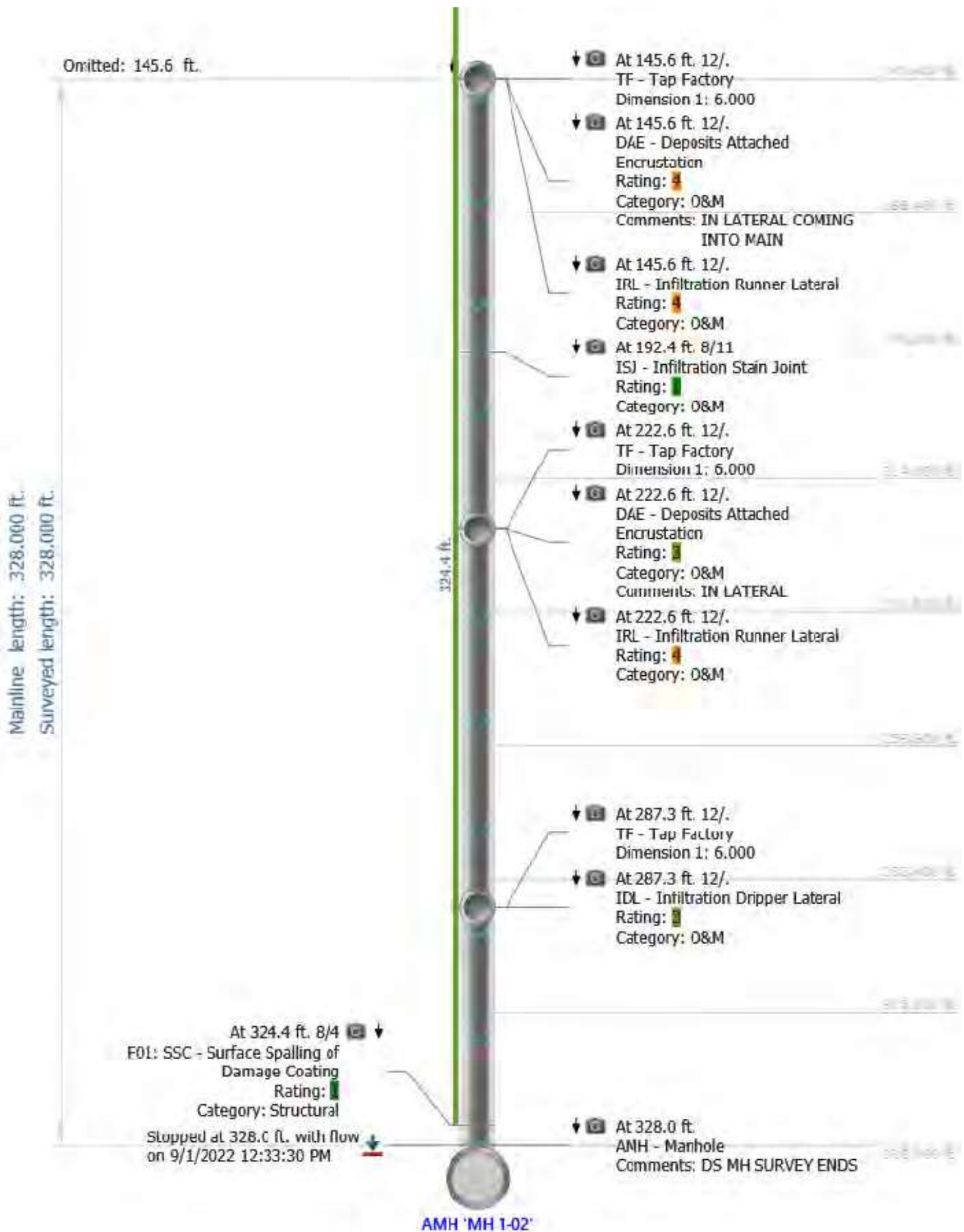
NWMCC INSPECTION REPORT

Start date/time: 20220901 10:59	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-03 1-02
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28
City: STONINGTON CT	Street: EDGEMONT ST	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area: Flow control:
Upstream MH No: MH 1-03	Downstream MH No: MH 1-02	Direction: D	Total length: 328.000 ft.	Length surveyed: 328.000 ft.
Purpose: Routine Assessment	Pipe joint length:	Height: 30 in.	Material: Reinforced Concrete Pipe	LateralsCounter: Additional info:

Pipe Ratings

Grade	Defects	Structural:				Defects	Segment Grade	O&M:			Pipe Rating	Pipe Rating Index	LoF	Risk
		Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index			Pipe Rating	Quick Rating	Pipe Rating Index				
1	0	65	65	1L00	1.0	0	2	29	5144	3.2	94	1.3	5.1	
2	0	0				0	0							
3	0	0				0	6							
4	0	0				0	16							
5	0	0				0	5							





NWMCC INSPECTION REPORT

Inspection Photos

City:

STONINGTON CT

Street:

EDGEMONT ST

Start date/time:

20220901 12:34

Pipe segment ref.:

1-03 1-02

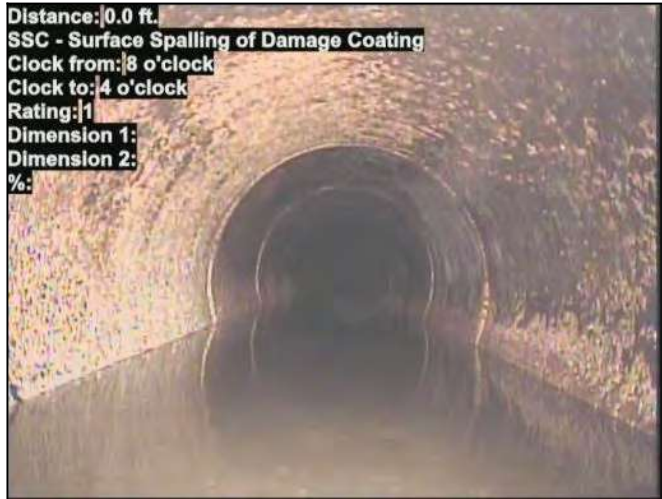


Photo: MH 1-03-MH 1-02-20220901-111623.JPG

At: 0 ft. 8/4 SSC - Surface Spalling of Damage Coating

Joint: Yes



Photo: MH 1-03-MH 1-02-20220901-113859.JPG

At: 62.9 ft. 8/4 ISJ - Infiltration Stain Joint

Joint: Yes



Photo: MH 1-03-MH 1-02-20220901-114026.JPG

At: 77.3 ft. 12/. IRL - Infiltration Runner Lateral

Joint: No



Photo: MH 1-03-MH 1-02-20220901-113955.JPG

At: 77.3 ft. 12/. TF - Tap Factory

Joint: No



Distance: 77.3 ft.
DAE - Deposits Attached Encrustation
Clock from: 12 o'clock
Clock to:
Rating: 5
Dimension 1:
Dimension 2:
%: 35 %
IN LATERAL

Photo: MH 1-03-MH 1-02-20220901-114000.JPG
At: 77.3 ft. 12/. DAE - Deposits Attached Encrustation
Joint: No 35 % IN LATERAL



Distance: 145.6 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:

Photo: MH 1-03-MH 1-02-20220901-114356.JPG
At: 145.6 ft. 12/. TF - Tap Factory
Joint: No



Distance: 145.6 ft.
DAE - Deposits Attached Encrustation
Clock from: 12 o'clock
Clock to:
Rating: 4
Dimension 1:
Dimension 2:
%: 25 %
IN LATERAL COMING INTO MAIN

Photo: MH 1-03-MH 1-02-20220901-114404.JPG
At: 145.6 ft. 12/. DAE - Deposits Attached Encrustation
Joint: No 25 % IN LATERAL COMING INTO MAIN



Distance: 145.6 ft.
IRL - Infiltration Runner Lateral
Clock from: 12 o'clock
Clock to:
Rating: 4
Dimension 1:
Dimension 2:
%:

Photo: MH 1-03-MH 1-02-20220901-114437.JPG
At: 145.6 ft. 12/. IRL - Infiltration Runner Lateral
Joint: No



Distance: 192.4 ft.
ISJ - Infiltration Stain Joint
Clock from: 8 o'clock
Clock to: 11 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:

Photo: MH 1-03-MH 1-02-20220901-114657.JPG
At: 192.4 ft. ISJ - Infiltration Stain Joint
8/11
Joint: Yes



Distance: 222.6 ft.
IRL - Infiltration Runner Lateral
Clock from: 12 o'clock
Clock to:
Rating: 4
Dimension 1:
Dimension 2:
%:

Photo: MH 1-03-MH 1-02-20220901-114912.JPG
At: 222.6 ft. 12/. IRL - Infiltration Runner Lateral
Joint: Yes



Distance: 222.6 ft.
DAE - Deposits Attached Encrustation
Clock from: 12 o'clock
Clock to:
Rating: 3
Dimension 1:
Dimension 2:
%: 20 %
IN LATERAL
Photo: MH 1-03-MH 1-02-20220901-114850.JPG
At: 222.6 ft. 12/. DAE - Deposits Attached Encrustation
Joint: Yes 20 % IN LATERAL



Distance: 222.6 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-03-MH 1-02-20220901-114837.JPG
At: 222.6 ft. 12/. TF - Tap Factory
Joint: No



Distance: 287.3 ft.
TF - Tap Factory
Clock from: 12 o'clock
Clock to:
Rating:
Dimension 1: 6
Dimension 2:
%:
Photo: MH 1-03-MH 1-02-20220901-115209.JPG
At: 287.3 ft. 12/. TF - Tap Factory
Joint: No



Distance: 287.3 ft.
IDL - Infiltration Dripper Lateral
Clock from: 12 o'clock
Clock to:
Rating: 3
Dimension 1:
Dimension 2:
%:
Photo: MH 1-03-MH 1-02-20220901-115218.JPG
At: 287.3 ft. 12/. IDL - Infiltration Dripper Lateral
Joint: Yes



Distance: 324.4 ft.
SSC - Surface Spalling of Damage Coating
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:
Photo: MH 1-03-MH 1-02-20220901-123014.JPG
At: 324.4 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



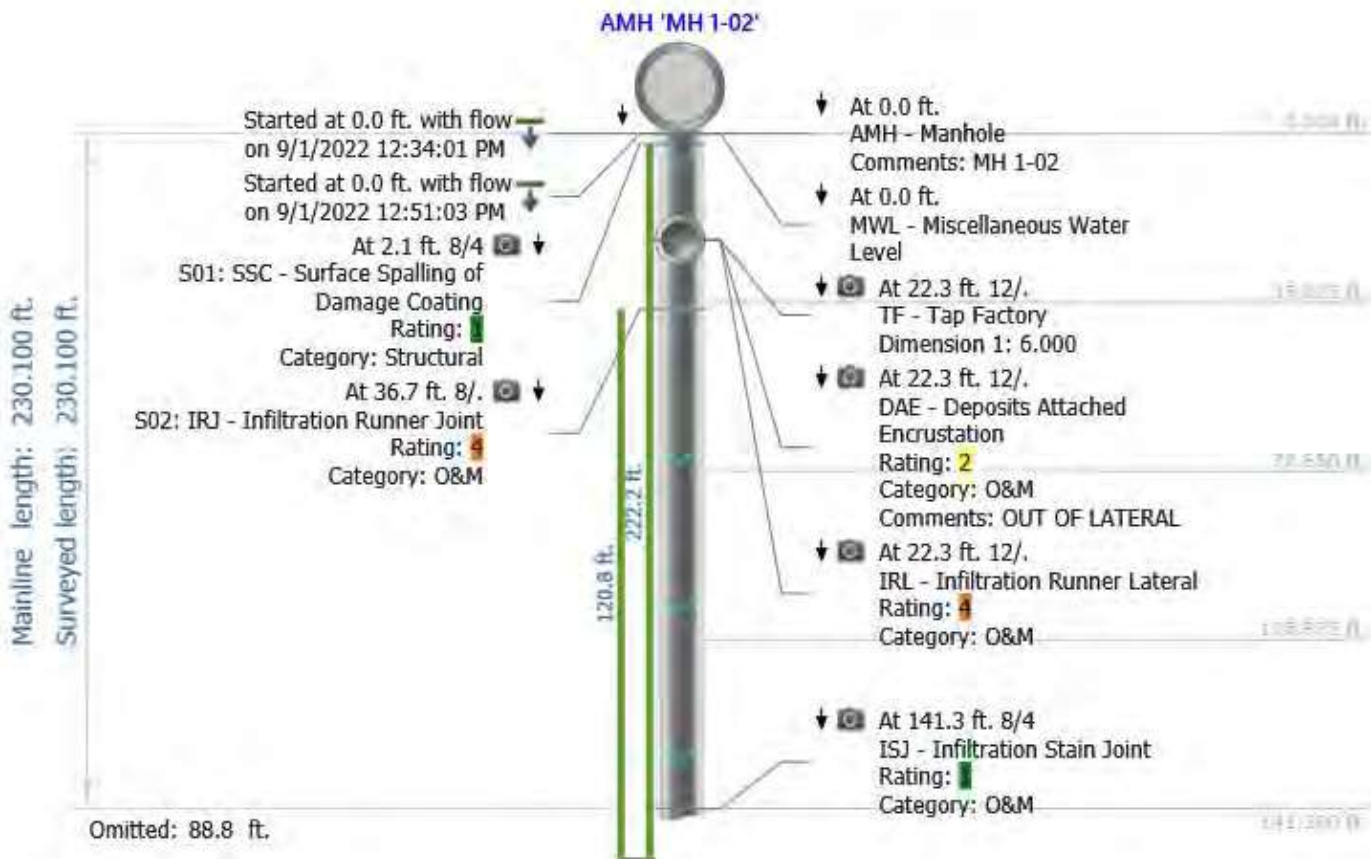
Distance: 328.0 ft.
AMH - Manhole
Clock from:
Clock to:
Rating:
Dimension 1:
Dimension 2:
%:
DS MH SURVEY ENDS
Photo: MH 1-03-MH 1-02-20220901-123056.JPG
At: 328 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS

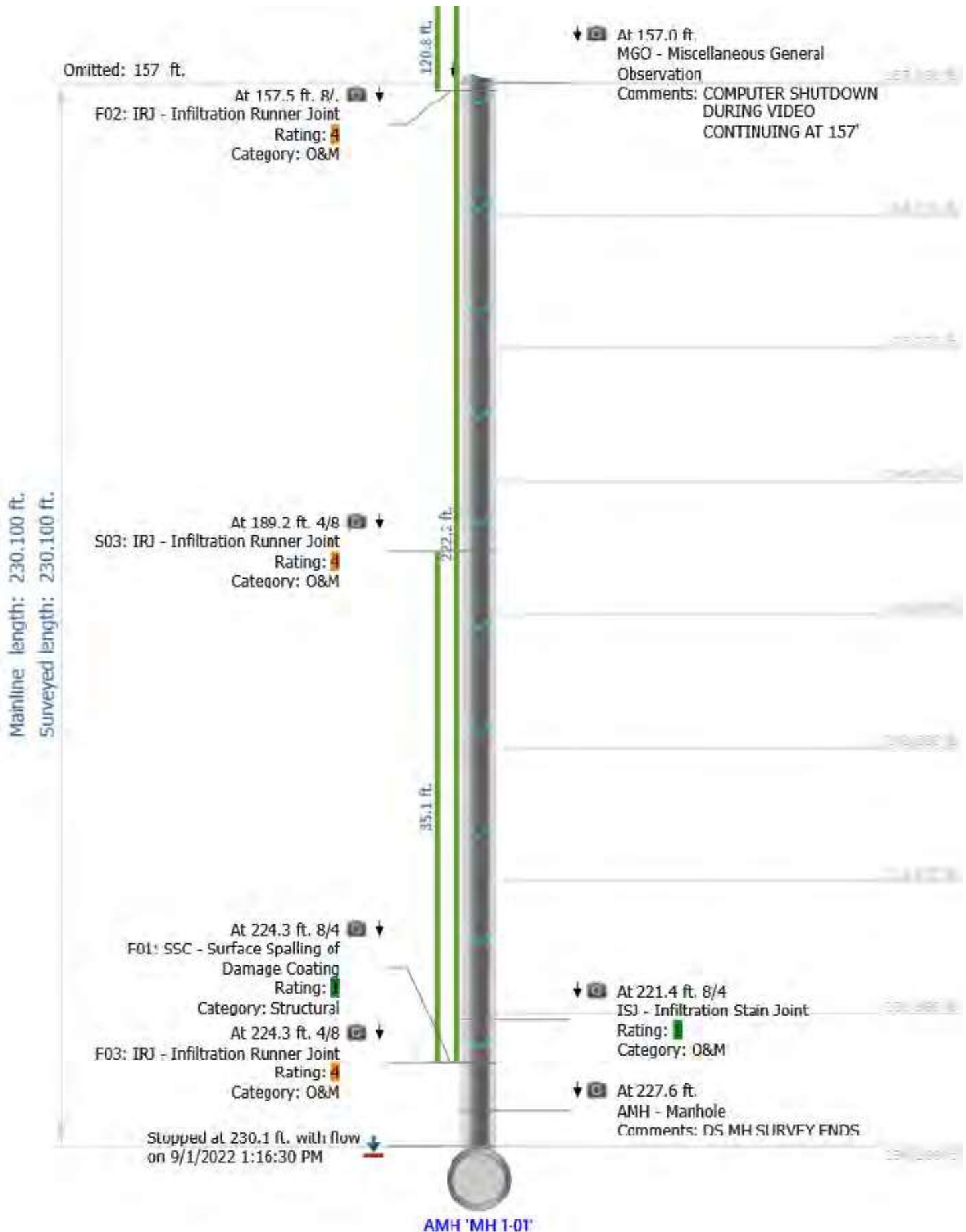
NWMCC INSPECTION REPORT

Start date/time:		Weather:		Surveyed by:		Certificate number:		Pipe segment ref.:					
20220901 12:34		Dry - No precipitation during survey		STEVEN MORTON		0217-07007093		1-02 1-01					
Owner:		Customer:		Pre-cleaning:		Date cleaned:		Project name:					
				Light Cleaning		20220901		CDM002-28					
City:		Street:		Location code:		Pipe use:		Drainage area:		Flow control:			
STONINGTON CT		EDGEMONT ST				Sanitary Sewage Pipe							
Upstream MH No:				Downstream MH No:				Direction:		Total length:		Length surveyed:	
MH 1-02				MH 1-01				D		230.100 ft.		230.100 ft.	
Purpose:		Pipe joint length:		Height:		Material:		LateralsCounter:		Additional info:			
Routine Assessment				30 in.		Reinforced Concrete Pipe							

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	44	44	1G00	1.0	0	2	132	4E21	3.8	176	2.2	5.0	
2	0	0				0	2							
3	0	0				0	0							
4	0	0				0	128							
5	0	0				0	0							





NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	EDGEMONT ST	20220901 13:20	1-02 1-01



Photo: MH 1-02-MH 1-01-20220901-123532.JPG
At: 2.1 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



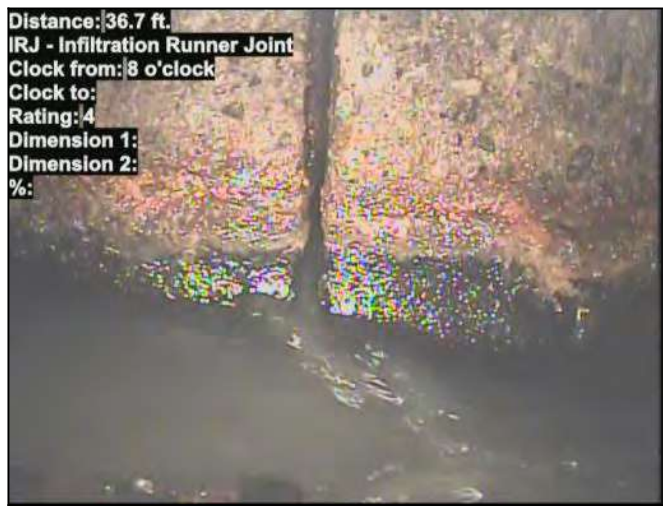
Photo: MH 1-02-MH 1-01-20220901-123747.JPG
At: 22.3 ft. 12/. IRL - Infiltration Runner Lateral
Joint: Yes



Photo: MH 1-02-MH 1-01-20220901-123718.JPG
At: 22.3 ft. 12/. DAE - Deposits Attached Encrustation
Joint: Yes 10 % OUT OF LATERAL



Photo: MH 1-02-MH 1-01-20220901-123707.JPG
At: 22.3 ft. 12/. TF - Tap Factory
Joint: No



Distance: 36.7 ft.
IRJ - Infiltration Runner Joint
Clock from: 8 o'clock
Clock to:
Rating: 4
Dimension 1:
Dimension 2:
%:

Photo: MH 1-02-MH 1-01-20220901-124030_1.JPG
At: 36.7 ft. 8/. IRJ - Infiltration Runner Joint
Joint: Yes



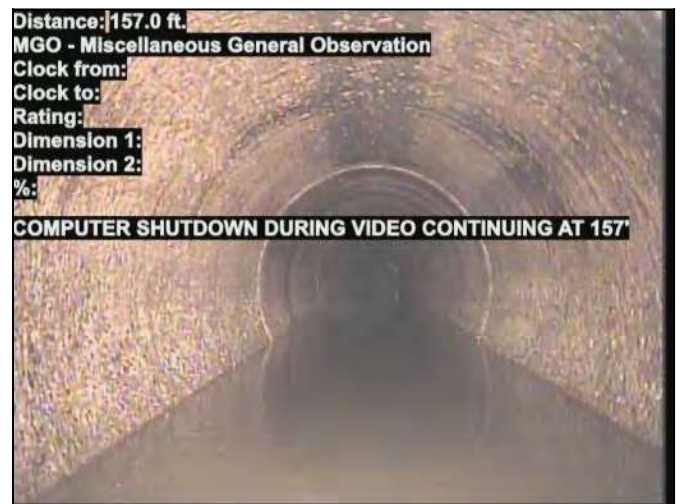
Distance: 36.7 ft.
IRJ - Infiltration Runner Joint
Clock from: 8 o'clock
Clock to:
Rating: 4
Dimension 1:
Dimension 2:
%:

Photo: MH 1-02-MH 1-01-20220901-124030.JPG
At: 36.7 ft. 8/. IRJ - Infiltration Runner Joint
Joint: Yes



Distance: 141.3 ft.
ISJ - Infiltration Stain Joint
Clock from: 8 o'clock
Clock to: 4 o'clock
Rating: 1
Dimension 1:
Dimension 2:
%:

Photo: MH 1-02-MH 1-01-20220901-124724.JPG
At: 141.3 ft. 8/4 ISJ - Infiltration Stain Joint
Joint: Yes



Distance: 157.0 ft.
MGO - Miscellaneous General Observation
Clock from:
Clock to:
Rating:
Dimension 1:
Dimension 2:
%:

COMPUTER SHUTDOWN DURING VIDEO CONTINUING AT 157'

Photo: MH 1-02-MH 1-01-20220901-125131.JPG
At: 157 ft. MGO - Miscellaneous General Observation
Joint: No
COMPUTER SHUTDOWN DURING VIDEO CONTINUING AT 157'



Distance: 157.5 ft.
IRJ - Infiltration Runner Joint
Clock from: 8 o'clock
Clock to:
Rating: 4
Dimension 1:
Dimension 2:
%:

Photo: MH 1-02-MH 1-01-20220901-125340.JPG
At: 157.5 ft. 8/. IRJ - Infiltration Runner Joint
Joint: Yes



Distance: 189.2 ft.
IRJ - Infiltration Runner Joint
Clock from: 4 o'clock
Clock to: 8 o'clock
Rating: 4
Dimension 1:
Dimension 2:
%:

Photo: MH 1-02-MH 1-01-20220901-125557.JPG
At: 189.2 ft. 4/8 IRJ - Infiltration Runner Joint
Joint: Yes

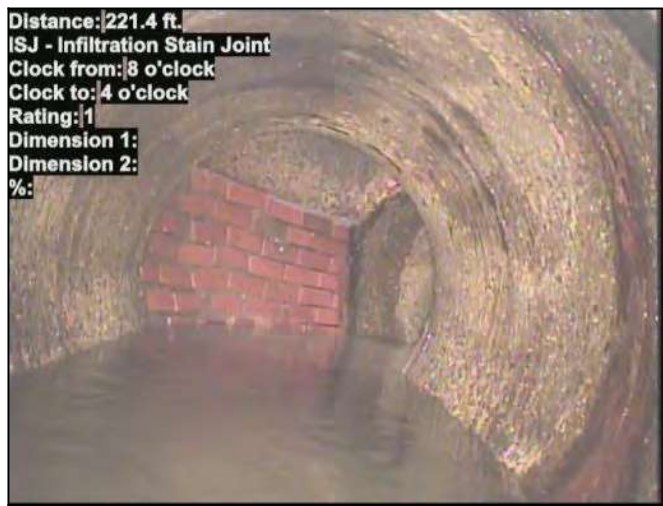


Photo: MH 1-02-MH 1-01-20220901-131436.JPG
 At: 221.4 ft. 8/4 ISJ - Infiltration Stain Joint
 Joint: Yes

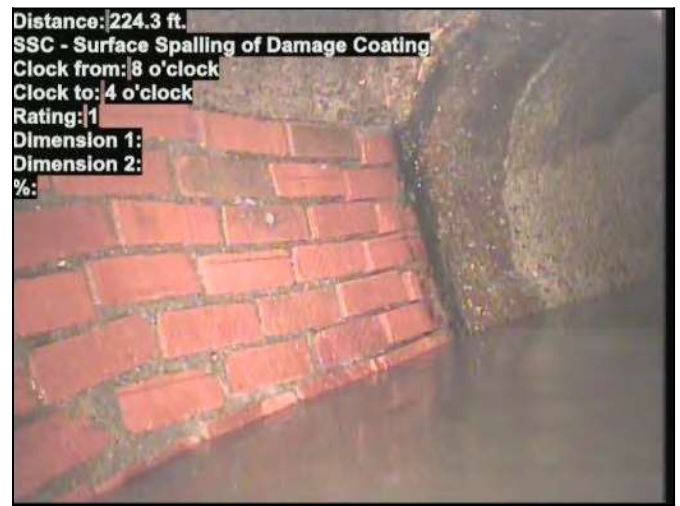


Photo: MH 1-02-MH 1-01-20220901-131457.JPG
 At: 224.3 ft. 8/4 SSC - Surface Spalling of Damage Coating
 Joint: Yes



Photo: MH 1-02-MH 1-01-20220901-131508.JPG
 At: 224.3 ft. 4/8 IRJ - Infiltration Runner Joint
 Joint: Yes



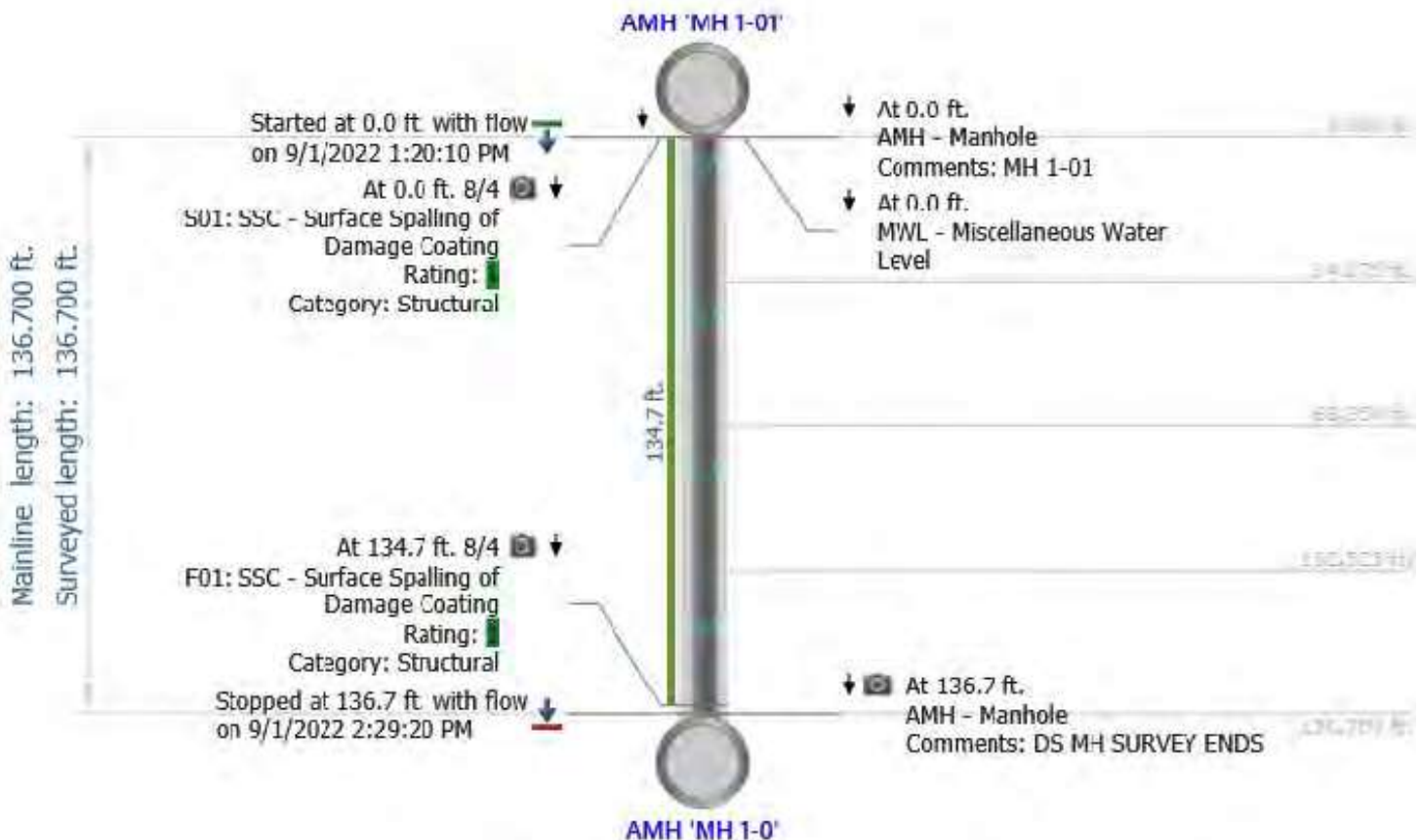
Photo: MH 1-02-MH 1-01-20220901-131541.JPG
 At: 227.6 ft. AMH - Manhole
 Joint: No DS MH SURVEY ENDS

NWMCC INSPECTION REPORT

Start date/time: 20220901 13:20	Weather: Dry - No precipitation during survey	Surveyed by: STEVEN MORTON	Certificate number: 0217-07007093	Pipe segment ref.: 1-01 1-0	
Owner:	Customer:	Pre-cleaning: No Pre-Cleaning	Date cleaned:	Project name: CDM002-28	
City: STONINGTON CT	Street: EDGEMONT ST IN PLANT	Location code:	Pipe use: Sanitary Sewage Pipe	Drainage area:	Flow control:
Upstream MH No: MH 1-01	Downstream MH No: MH 1-0	Direction: D	Total length: 136.700 ft.	Length surveyed: 136.700 ft.	
Purpose: Routine Assessment	Pipe joint length:	Height: 30 in.	Material: Reinforced Concrete Pipe	LateralsCounter:	Additional info:

Pipe Ratings

Grade	Structural:					O&M:					Overall:			
	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Defects	Segment Grade	Pipe Rating	Quick Rating	Pipe Rating Index	Pipe Rating	Pipe Rating Index	LoF	Risk
1	0	27	27	1D00	1.0	0	0	0	0000	0.0	27	1.0	2.0	
2	0	0				0	0							
3	0	0				0	0							
4	0	0				0	0							
5	0	0				0	0							



NWMCC INSPECTION REPORT

Inspection Photos

City:	Street:	Start date/time:	Pipe segment ref.:
STONINGTON CT	EDGEMONT ST IN PLANT	20220901 13:20	1-01 1-0



Photo: MH 1-01-MH 1-0-20220901-132140_1.JPG
At: 0 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



Photo: MH 1-01-MH 1-0-20220901-132140.JPG
At: 0 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



Photo: MH 1-01-MH 1-0-20220901-141458.JPG
At: 134.7 ft. 8/4 SSC - Surface Spalling of Damage Coating
Joint: Yes



Photo: MH 1-01-MH 1-0-20220901-142901.JPG
At: 136.7 ft. AMH - Manhole
Joint: No DS MH SURVEY ENDS