



PIPEFLO CONTRACTING CORP.

111 FRID STREET
HAMILTON, ONTARIO L8P 4M3

TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Surveyors name PIPEFLOMD
 Certificate Number U-414-06020730
 System Owner REVOLUTION LANDFILL LP
 Survey Customer REVOLUTION LANDFILL LP
 Drainage Area
 Sheet 1

P/O No. 4501005340
Pipeline Segment Reference 6
Date 20210825
Time 14:06
Location (Street Name and number) GWE
Locality STONEY CREEK

Further Location details 65 GREEN MOUNTAIN
Upstream Manhole Number CO15-3
Rim to Invert
Grade to Invert
Rim to Grade

Downstream Manhole Number 3
Rim to Invert
Grade to Invert
Rim to Grade
Use of Sewer Processes
Direction Downstream
Flow Control N
Height 150

Width
Shape Circular
Material PVC
Ln. Method
Pipe Joint Length
Total Length
Length Surveyed 47.4
Year Laid
Year Rehabilitated
Tape / Media Number 6

Purpose F
Sewer Category A
Pre-Cleaning No Pre-Cleaning
Cleaned
Weather Dry
Additional Information

Distance (Meters)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks	
	Group/Descriptor	Modifier/severity		S/M/L				%	At / From					To
					1st	2nd								
0.0	AMH								AMH@0				Starting Manhole: CO15-3	
0.0	MWL					0			MWL@0					
16.9	DS	Z	S01			15	5	7	DSZ@16.9				OTHER	
21.0	DS	Z	F01			15	5	7	DSZ@21		33		OTHER	
21.0	MCU		S02						MCU@21					
47.4	MCU		F02						MCU@47.4		417			
47.4	MSA								MSA@47.4				DUE TO DISTANCE	

Segment	Structural									O & M						Overall								
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
6-CO15-3-3	0	0	0	0	0	0	0000		0	0	9	68	0	77	4B33	3.9	0	0	9	68	0	77	4B33	3.9



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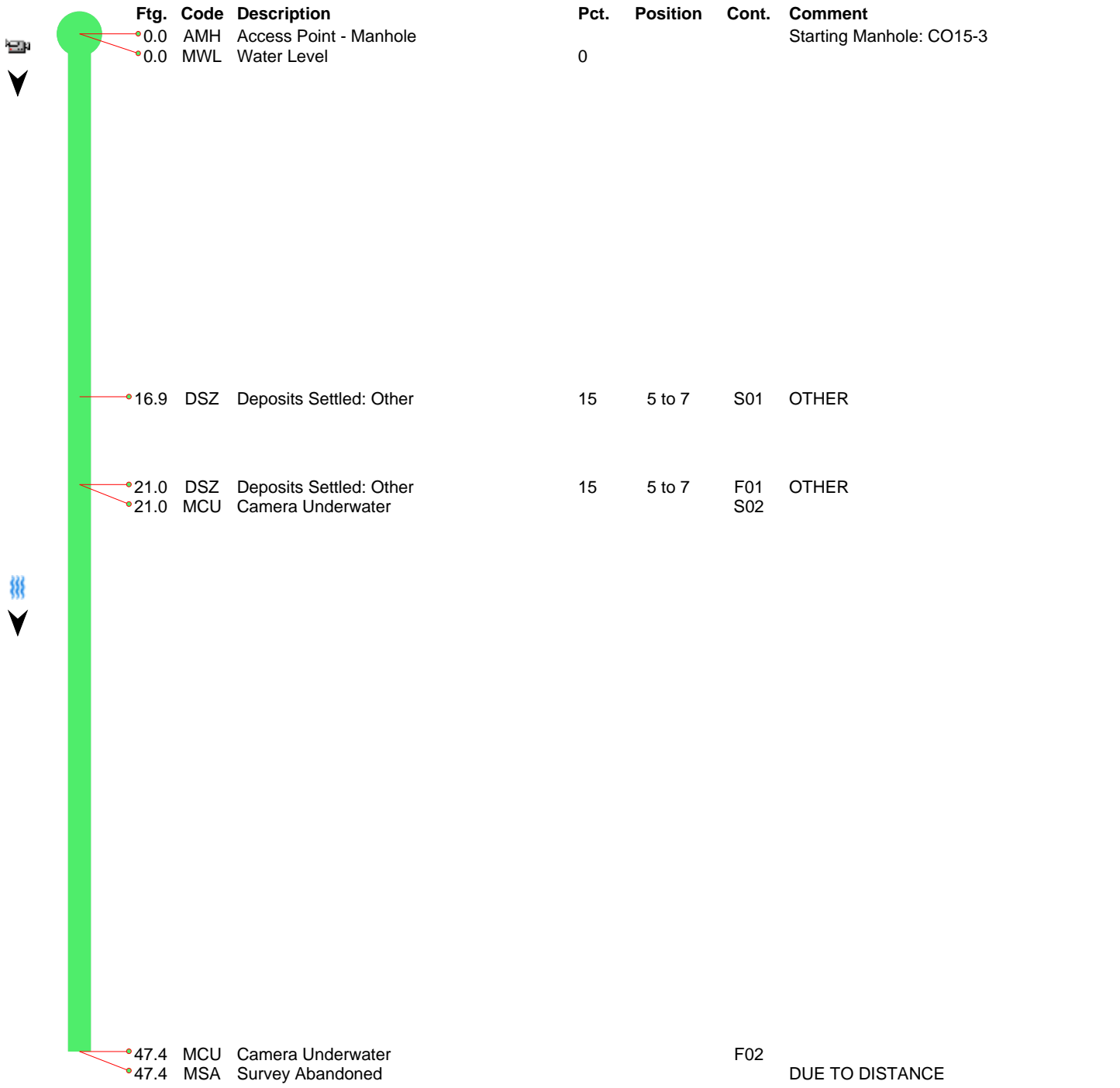
TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Upstream MH CO15-3	Downstream MH 3	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
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Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address GWE	Location Details 65 GREEN MOUNTAIN
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Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:06	Length Surveyed 47.4
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Additional Information





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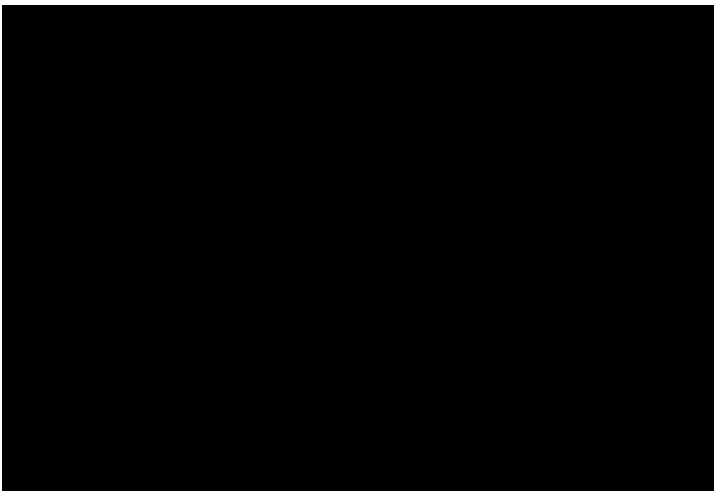
Upstream MH CO15-3	Downstream MH 3	Size 150	Material Polyvinyl Chloride	Total Length 	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address GWE		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:06	Length Surveyed 47.4
Additional Information 					



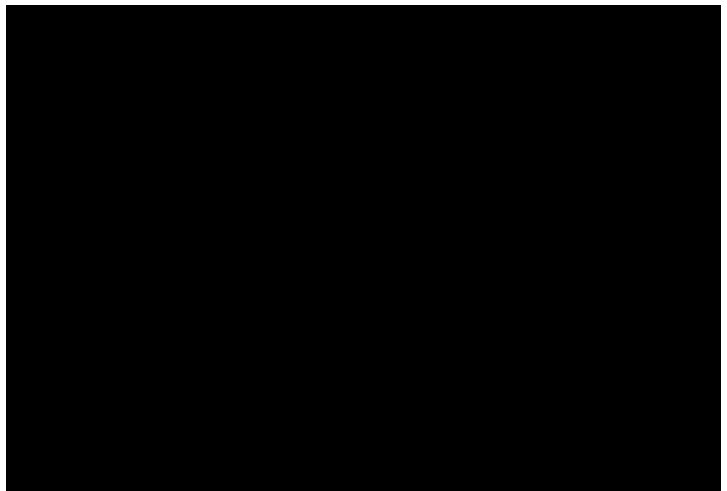
AMH - Access Point - Manhole @ 0.0 m.
Starting Manhole: CO15-3



MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 16.9 m.
OTHER



DSZ - Deposits Settled: Other @ 21.0 m.
OTHER



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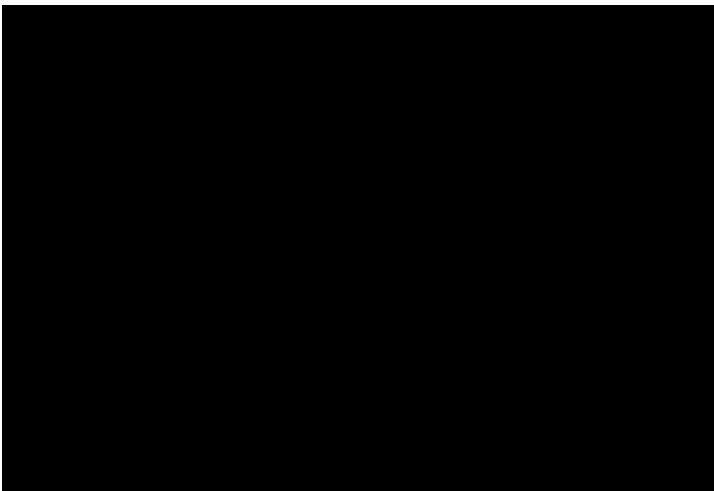
Upstream MH CO15-3	Downstream MH 3	Size 150	Material Polyvinyl Chloride	Total Length 	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address GWE		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:06	Length Surveyed 47.4
Additional Information 					



MCU - Camera Underwater @ 21.0 m.



MCU - Camera Underwater @ 47.4 m.



MSA - Survey Abandoned @ 47.4 m.
DUE TO DISTANCE



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Surveyors name PIPEFLMD
 Certificate Number U-414-06020730
 System Owner REVOLUTION LANDFILL LP
 Survey Customer REVOLUTION LANDFILL LP
 Drainage Area
 Sheet 1

P/O No. 4501005340
Pipeline Segment Reference 7
Date 20210825
Time 14:11
Location (Street Name and number) CO15
Locality STONEY CREEK

Further Location details 65 GREEN MOUNTAIN
Upstream Manhole Number CO15-4
Rim to Invert
Grade to Invert
Rim to Grade

Downstream Manhole Number 4
Rim to Invert
Grade to Invert
Rim to Grade
Use of Sewer Processes
Direction Downstream
Flow Control N
Height 150

Width
Shape Circular
Material PVC
Ln. Method
Pipe Joint Length
Total Length
Length Surveyed 20.3
Year Laid
Year Rehabilitated
Tape / Media Number 7

Purpose F
Sewer Category A
Pre-Cleaning No Pre-Cleaning
Cleaned
Weather Dry
Additional Information

Distance (Meters)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks	
	Group/Descriptor	Modifier/severity		S/M/L				%	At / From					To
					1st	2nd								
0.0	AMH								AMH@0				Starting Manhole: CO15-4	
0.0	MWL				0				MWL@0					
20.3	MCU								MCU@20.3		4			
20.3	MSA								MSA@20.3					DUE TO DISTANCE

Segment	Structural									O & M						Overall								
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
7-CO15-4-4	0	0	0	0	0	0	0000		0	0	0	4	0	4	4100	4.0	0	0	0	4	0	4	4100	4.0



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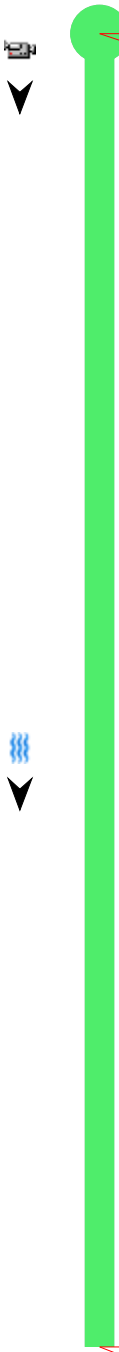
Upstream MH CO15-4	Downstream MH 4	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
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Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO15	Location Details 65 GREEN MOUNTAIN
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Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:11	Length Surveyed 20.3
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Additional Information

	Ftg.	Code	Description	Pct.	Position	Cont.	Comment
	0.0	AMH	Access Point - Manhole				Starting Manhole: CO15-4
	0.0	MWL	Water Level	0			



	20.3	MCU	Camera Underwater				
	20.3	MSA	Survey Abandoned				

DUE TO DISTANCE

Upstream MH CO15-4	Downstream MH 4	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO15		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:11	Length Surveyed 20.3
Additional Information					



AMH - Access Point - Manhole @ 0.0 m.
Starting Manhole: CO15-4

MWL - Water Level @ 0.0 m.



MCU - Camera Underwater @ 20.3 m.

MSA - Survey Abandoned @ 20.3 m.
DUE TO DISTANCE



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Surveyors name PIPEFLMD **Certificate Number** U-414-06020730 **System Owner** REVOLUTION LANDFILL LP **Survey Customer** REVOLUTION LANDFILL LP **Drainage Area** **Sheet** 1

P/O No. 4501005340 **Pipeline Segment Reference** 8 **Date** 20210825 **Time** 14:25 **Location (Street Name and number)** CO15 **Locality** STONEY CREEK

Further Location details 65 GREEN MOUNTAIN **Upstream Manhole Number** CO15-5 **Rim to Invert** **Grade to Invert** **Rim to Grade**

Downstream Manhole Number 5 **Rim to Invert** **Grade to Invert** **Rim to Grade** **Use of Sewer** Processes **Direction** Downstream **Flow Control** N **Height** 150

Width **Shape** Circular **Material** PVC **Ln. Method** **Pipe Joint Length** **Total Length** **Length Surveyed** 46.1 **Year Laid** **Year Rehabilitated** **Tape / Media Number** 8

Purpose F **Sewer Category** A **Pre-Cleaning** No Pre-Cleaning **Cleaned** **Weather** Dry **Additional Information**

Distance (Meters)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks	
	Group/Descriptor	Modifier/severity		S/M/L				%	At / From					To
					1st	2nd								
0.0	AMH								AMH@0			Starting Manhole: CO15-5		
0.0	MWL					0			MWL@0					
15.4	DS	Z	S01			10	5	7	DSZ@15.4			OTHER		
20.1	DS	Z	F01			10	5	7	DSZ@20.1		23	OTHER		
20.1	MCU		S02						MCU@20.1					
46.1	MCU		F02						MCU@46.1		417			
46.1	MSA								MSA@46.1			DUE TO DISTANCE		

Segment	Structural									O & M						Overall								
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
8-CO15-5-5	0	0	0	0	0	0	0000		0	6	0	68	0	74	4B23	3.7	0	6	0	68	0	74	4B23	3.7



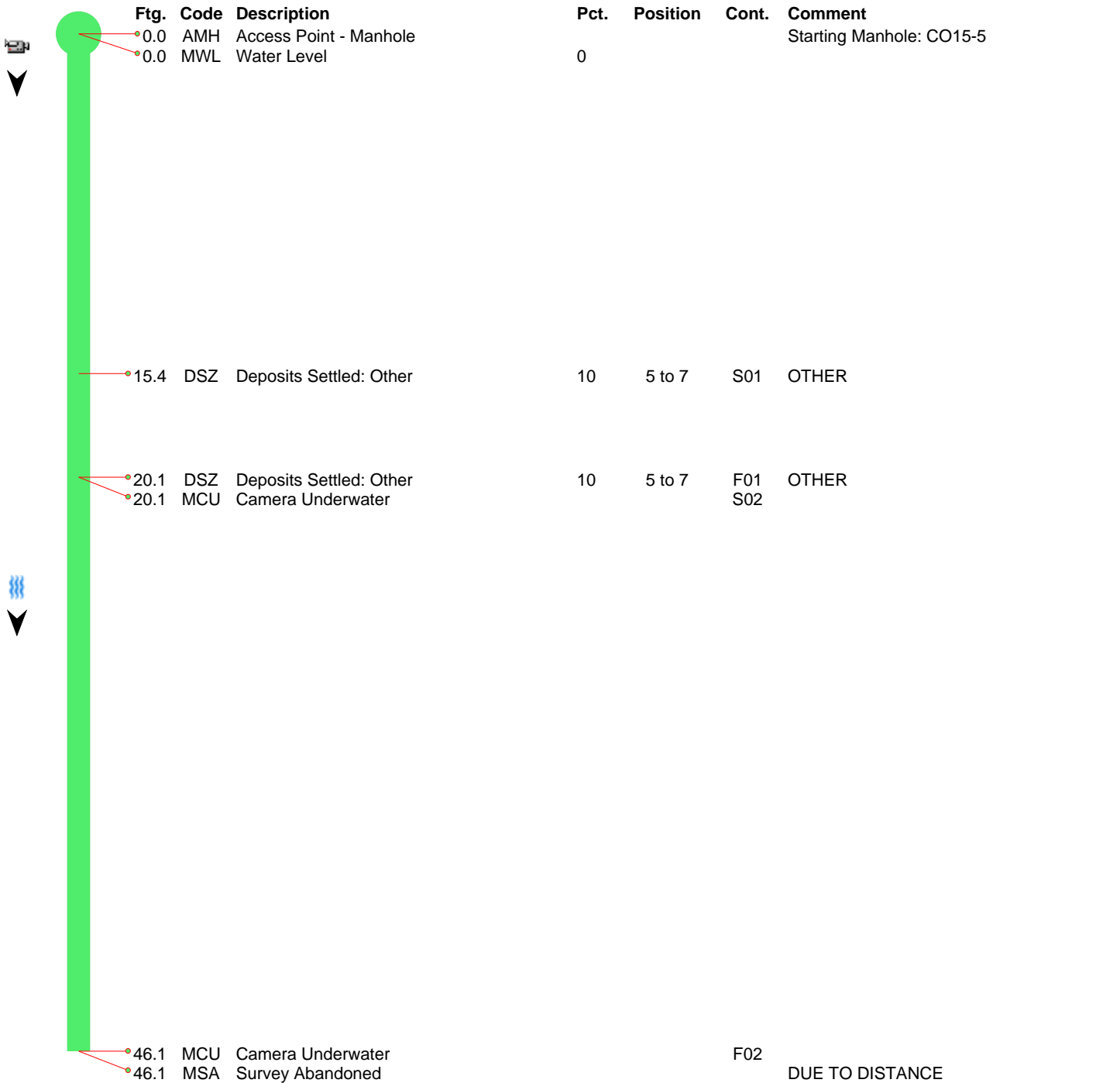
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Upstream MH CO15-5	Downstream MH 5	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO15		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:25	Length Surveyed 46.1
Additional Information					



Upstream MH CO15-5	Downstream MH 5	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO15		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:25	Length Surveyed 46.1
Additional Information					



AMH - Access Point - Manhole @ 0.0 m.
Starting Manhole: CO15-5

MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 15.4 m.
OTHER

DSZ - Deposits Settled: Other @ 20.1 m.
OTHER



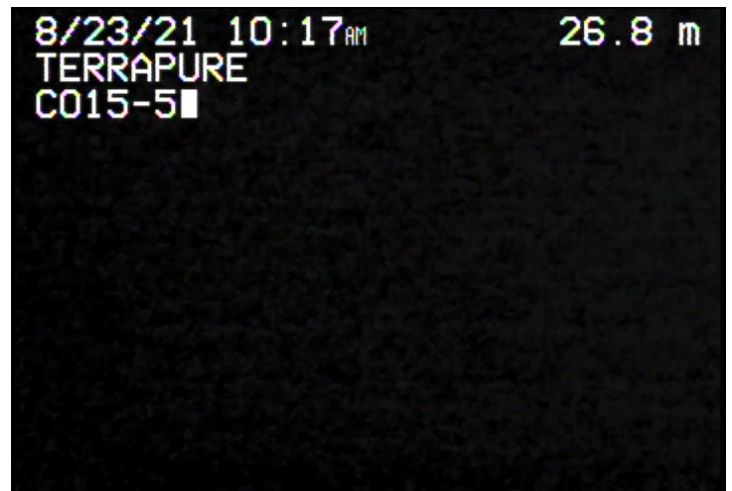
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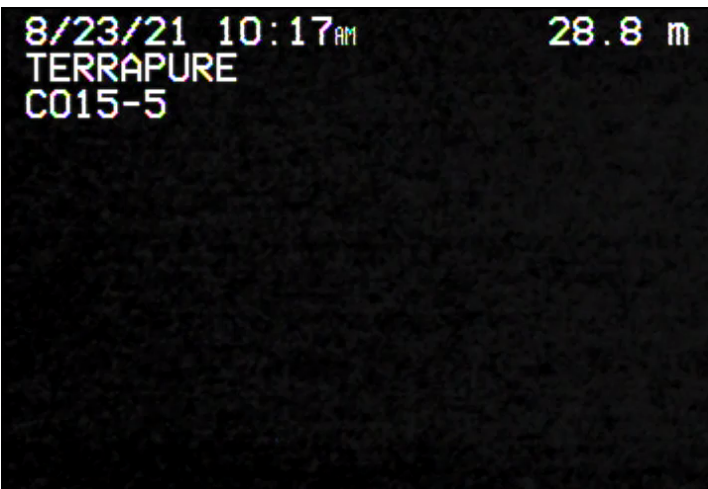
TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Upstream MH CO15-5	Downstream MH 5	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO15		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:25	Length Surveyed 46.1
Additional Information					



MCU - Camera Underwater @ 20.1 m.

MCU - Camera Underwater @ 46.1 m.



MSA - Survey Abandoned @ 46.1 m.
DUE TO DISTANCE



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Surveyors name PIPEFLOMD
 Certificate Number U-414-06020730
 System Owner REVOLUTION LANDFILL LP
 Survey Customer REVOLUTION LANDFILL LP
 Drainage Area
 Sheet 1

P/O No. 4501005340
Pipeline Segment Reference 9
Date 20210825
Time 14:30
Location (Street Name and number) CO15
Locality STONEY CREEK

Further Location details 65 GREEN MOUNTAIN
Upstream Manhole Number CO15-6
Rim to Invert
Grade to Invert
Rim to Grade

Downstream Manhole Number 6
Rim to Invert
Grade to Invert
Rim to Grade
Use of Sewer Processes
Direction Downstream
Flow Control N
Height 150

Width
Shape Circular
Material PVC
Ln. Method
Pipe Joint Length
Total Length
Length Surveyed 40
Year Laid
Year Rehabilitated
Tape / Media Number 9

Purpose F
Sewer Category A
Pre-Cleaning No Pre-Cleaning
Cleaned
Weather Dry
Additional Information

Distance (Meters)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks	
	Group/Descriptor	Modifier/severity		S/M/L				%	At / From					To
					1st	2nd								
0.0	AMH								AMH@0			Starting Manhole: CO15-6		
0.0	MWL					0			MWL@0					
14.7	DS	Z				15	5	7	DSZ@14.7		3	OTHER		
14.8	DS	Z	S01			5	5	7	DSZ@14.8			OTHER		
20.0	DS	Z	F01			20	5	7	DSZ@20		33	OTHER		
20.0	MCU		S02						MCU@20					
40.0	MCU		F02						MCU@40		413			
40.0	MSA								MSA@40			DUE TO DISTANCE		

Segment	Structural						O & M						Overall											
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
9-CO15-6-6	0	0	0	0	0	0	0000		0	0	12	52	0	64	4A34	3.8	0	0	12	52	0	64	4A34	3.8



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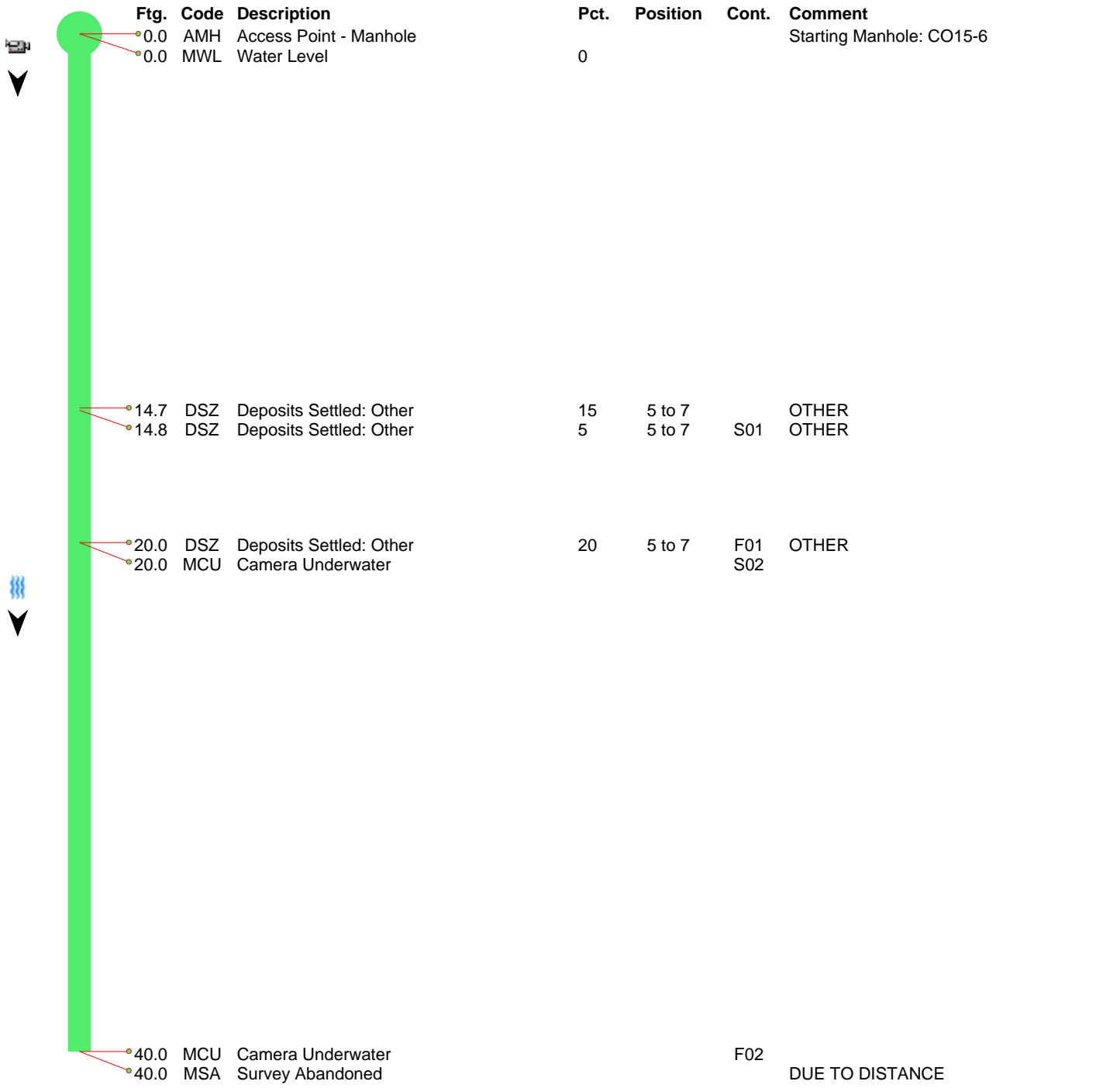
TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Upstream MH CO15-6	Downstream MH 6	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
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Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO15	Location Details 65 GREEN MOUNTAIN
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Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:30	Length Surveyed 40
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Additional Information



Upstream MH CO15-6	Downstream MH 6	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO15		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:30	Length Surveyed 40
Additional Information					



AMH - Access Point - Manhole @ 0.0 m.
Starting Manhole: CO15-6

MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 14.7 m.
OTHER

DSZ - Deposits Settled: Other @ 14.8 m.
OTHER

Upstream MH CO15-6	Downstream MH 6	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO15		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:30	Length Surveyed 40
Additional Information					



DSZ - Deposits Settled: Other @ 20.0 m.
OTHER



MCU - Camera Underwater @ 20.0 m.



MCU - Camera Underwater @ 40.0 m.



MSA - Survey Abandoned @ 40.0 m.
DUE TO DISTANCE



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HAMILTON, ONTARIO L8P 4M3

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Surveyors name PIPEFLMD
 Certificate Number U-414-06020730
 System Owner REVOLUTION LANDFILL LP
 Survey Customer REVOLUTION LANDFILL LP
 Drainage Area
 Sheet 1

P/O No. 4501005340
Pipeline Segment Reference 10
Date 20210825
Time 14:37
Location (Street Name and number) CO16
Locality STONEY CREEK

Further Location details 65 GREEN MOUNTAIN
Upstream Manhole Number CO16-1
Rim to Invert
Grade to Invert
Rim to Grade

Downstream Manhole Number 1
Rim to Invert
Grade to Invert
Rim to Grade
Use of Sewer Processes
Direction Downstream
Flow Control N
Height 150

Width
Shape Circular
Material PVC
Ln. Method
Pipe Joint Length
Total Length
Length Surveyed 49.8
Year Laid
Year Rehabilitated
Tape / Media Number 10

Purpose F
Sewer Category A
Pre-Cleaning No Pre-Cleaning
Cleaned
Weather Dry
Additional Information

Distance (Meters)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks	
	Group/Descriptor	Modifier/severity		S/M/L				%	At / From					To
					1st	2nd								
0.0	AMH								AMH@0			Starting Manhole: CO16-1		
0.0	MWL					0			MWL@0					
12.0	DS	Z				5	5	7	DSZ@12		2	OTHER		
13.4	DS	Z				15	5	7	DSZ@13.4		3	OTHER		
16.4	DS	Z				10	5	7	DSZ@16.4		2	OTHER		
18.2	MCU		S01						MCU@18.2					
49.8	MCU		F01						MCU@49.8		421			
49.8	MSA								MSA@49.8			DUE TO DISTANCE		

Segment	Structural									O & M						Overall								
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
10-CO16-1-1	0	0	0	0	0	0	0000		0	4	3	84	0	91	4C31	3.8	0	4	3	84	0	91	4C31	3.8



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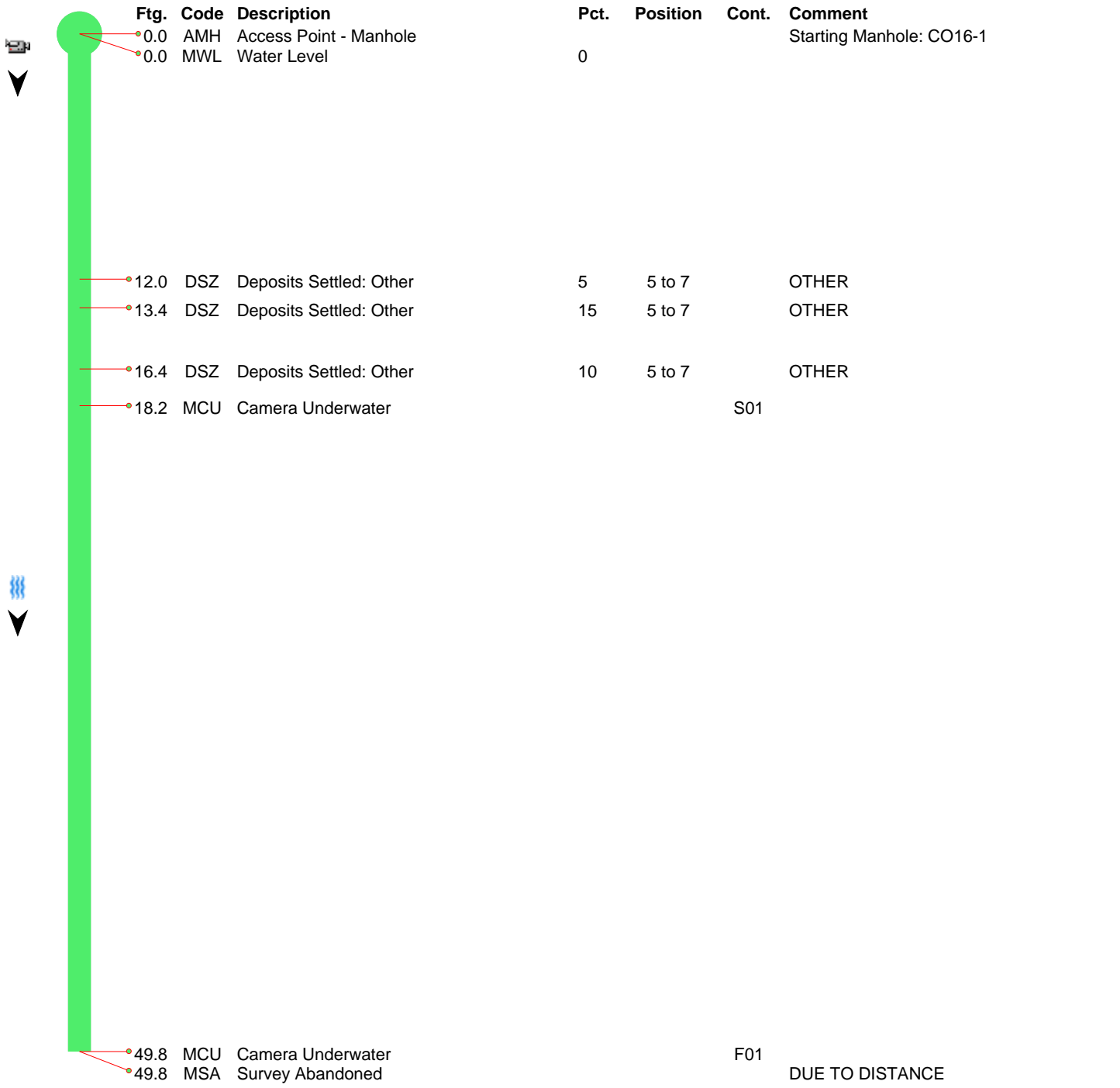
TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Upstream MH CO16-1	Downstream MH 1	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
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Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16	Location Details 65 GREEN MOUNTAIN
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Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:37	Length Surveyed 49.8
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Additional Information



Upstream MH CO16-1	Downstream MH 1	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:37	Length Surveyed 49.8
Additional Information					



AMH - Access Point - Manhole @ 0.0 m.
Starting Manhole: CO16-1



MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 12.0 m.
OTHER



DSZ - Deposits Settled: Other @ 13.4 m.
OTHER

Upstream MH CO16-1	Downstream MH 1	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:37	Length Surveyed 49.8
Additional Information					



DSZ - Deposits Settled: Other @ 16.4 m.
OTHER



MCU - Camera Underwater @ 18.2 m.



MCU - Camera Underwater @ 49.8 m.



MSA - Survey Abandoned @ 49.8 m.
DUE TO DISTANCE



PIPEFLO CONTRACTING CORP.

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HAMILTON, ONTARIO L8P 4M3

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Surveyors name PIPEFL0MD
 Certificate Number U-414-06020730
 System Owner REVOLUTION LANDFILL LP
 Survey Customer REVOLUTION LANDFILL LP
 Drainage Area
 Sheet 1

P/O No. 4501005340
Pipeline Segment Reference 11
Date 20210825
Time 14:53
Location (Street Name and number) CO16
Locality STONEY CREEK

Further Location details 65 GREEN MOUNTAIN
Upstream Manhole Number CO16-2
Rim to Invert
Grade to Invert
Rim to Grade

Downstream Manhole Number 2
Rim to Invert
Grade to Invert
Rim to Grade
Use of Sewer Processes
Direction Downstream
Flow Control N
Height 150

Width
Shape Circular
Material PVC
Ln. Method
Pipe Joint Length
Total Length
Length Surveyed 50.3
Year Laid
Year Rehabilitated
Tape / Media Number 11

Purpose F
Sewer Category A
Pre-Cleaning No Pre-Cleaning
Cleaned
Weather Dry
Additional Information

Distance (Meters)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks		
	Group/Descriptor	Modifier/severity		S/M/L	1st			2nd	%					At / From	To
0.0	AMH									AMH@0			Starting Manhole: CO16-2		
0.0	MWL					0				MWL@0					
17.1	MCU		S01							MCU@17.1					
50.3	MCU		F01							MCU@50.3	422				
50.3	MSA									MSA@50.3				DUE TO DISTANCE	

Segment	Structural									O & M						Overall								
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
11-CO16-2-2	0	0	0	0	0	0	0000		0	0	0	88	0	88	4C00	4.0	0	0	0	88	0	88	4C00	4.0



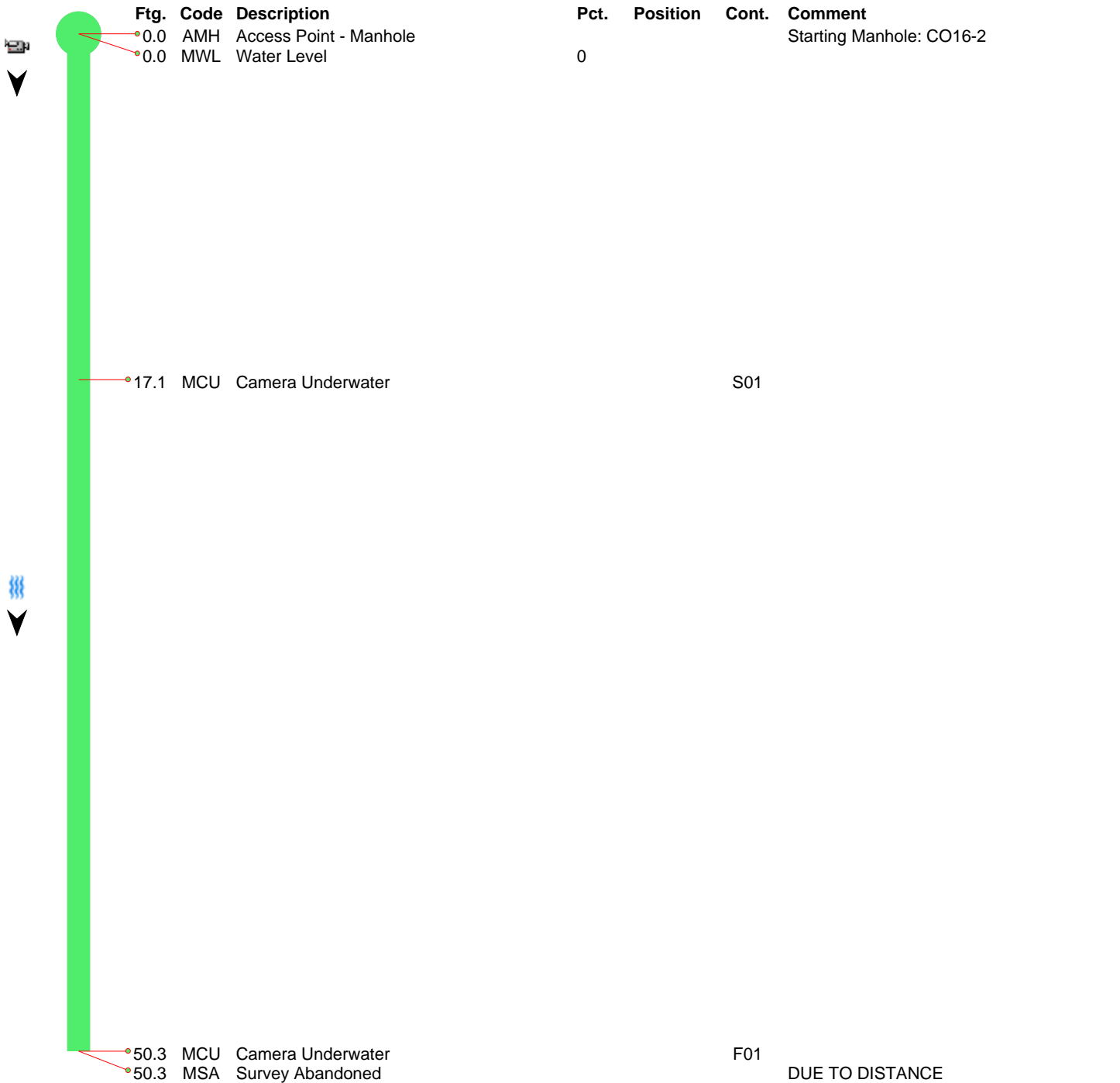
PIPEFLO CONTRACTING CORP.

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Upstream MH CO16-2	Downstream MH 2	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:53	Length Surveyed 50.3
Additional Information					





PIPEFLO CONTRACTING CORP.

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

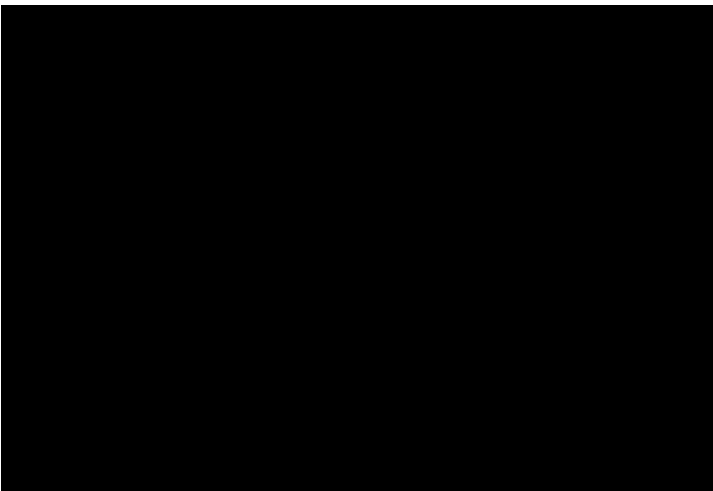
Upstream MH CO16-2	Downstream MH 2	Size 150	Material Polyvinyl Chloride	Total Length 	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:53	Length Surveyed 50.3
Additional Information 					



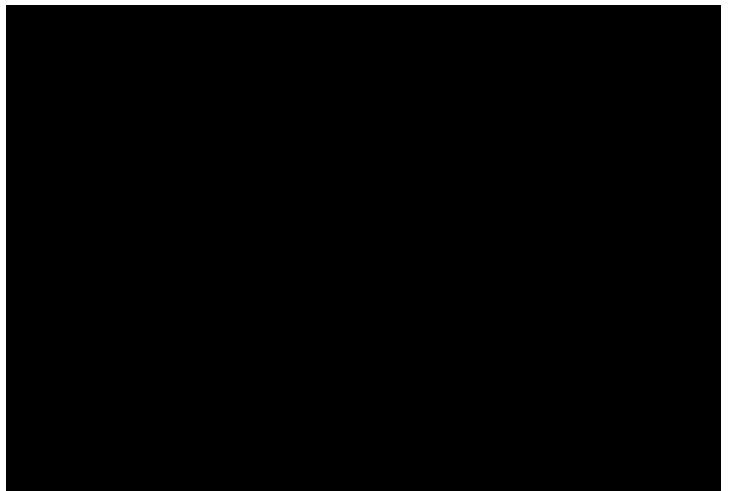
AMH - Access Point - Manhole @ 0.0 m.
Starting Manhole: CO16-2



MWL - Water Level @ 0.0 m.



MCU - Camera Underwater @ 17.1 m.



MCU - Camera Underwater @ 50.3 m.



PIPEFLO CONTRACTING CORP.

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Upstream MH CO16-2	Downstream MH 2	Size 150	Material Polyvinyl Chloride	Total Length 	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:53	Length Surveyed 50.3
Additional Information 					



MSA - Survey Abandoned @ 50.3 m.
DUE TO DISTANCE



PIPEFLO CONTRACTING CORP.

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Surveyors name PIPEFLOMD
 Certificate Number U-414-06020730
 System Owner REVOLUTION LANDFILL LP
 Survey Customer REVOLUTION LANDFILL LP
 Drainage Area
 Sheet 1

P/O No. 4501005340
Pipeline Segment Reference 12
Date 20210825
Time 14:58
Location (Street Name and number) CO16
Locality STONEY CREEK

Further Location details 65 GREEN MOUNTAIN
Upstream Manhole Number CO16-3
Rim to Invert
Grade to Invert
Rim to Grade

Downstream Manhole Number 3
Rim to Invert
Grade to Invert
Rim to Grade
Use of Sewer Processes
Direction Downstream
Flow Control N
Height 150

Width
Shape Circular
Material PVC
Ln. Method
Pipe Joint Length
Total Length
Length Surveyed 49.2
Year Laid
Year Rehabilitated
Tape / Media Number 12

Purpose F
Sewer Category A
Pre-Cleaning No Pre-Cleaning
Cleaned
Weather Dry
Additional Information

Distance (Meters)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks	
	Group/Descriptor	Modifier/severity		S/M/L				%	At / From					To
					1st	2nd								
0.0	AMH								AMH@0			Starting Manhole: CO16-3		
0.0	MWL					0			MWL@0					
0.0	DS	Z				30	5	7	DSZ@0		4	OTHER		
10.8	DS	Z	S01			5	5	7	DSZ@10.8			OTHER		
16.3	DS	Z	F01			5	5	7	DSZ@16.3		24	OTHER		
17.9	MCU		S02						MCU@17.9					
49.2	MCU		F02						MCU@49.2		421			
49.2	MSA								MSA@49.2			DUE TO DISTANCE		

Segment	Structural						O & M						Overall											
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
12-CO16-3-3	0	0	0	0	0	0	0000		0	8	0	88	0	96	4C24	3.7	0	8	0	88	0	96	4C24	3.7



PIPEFLO CONTRACTING CORP.

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

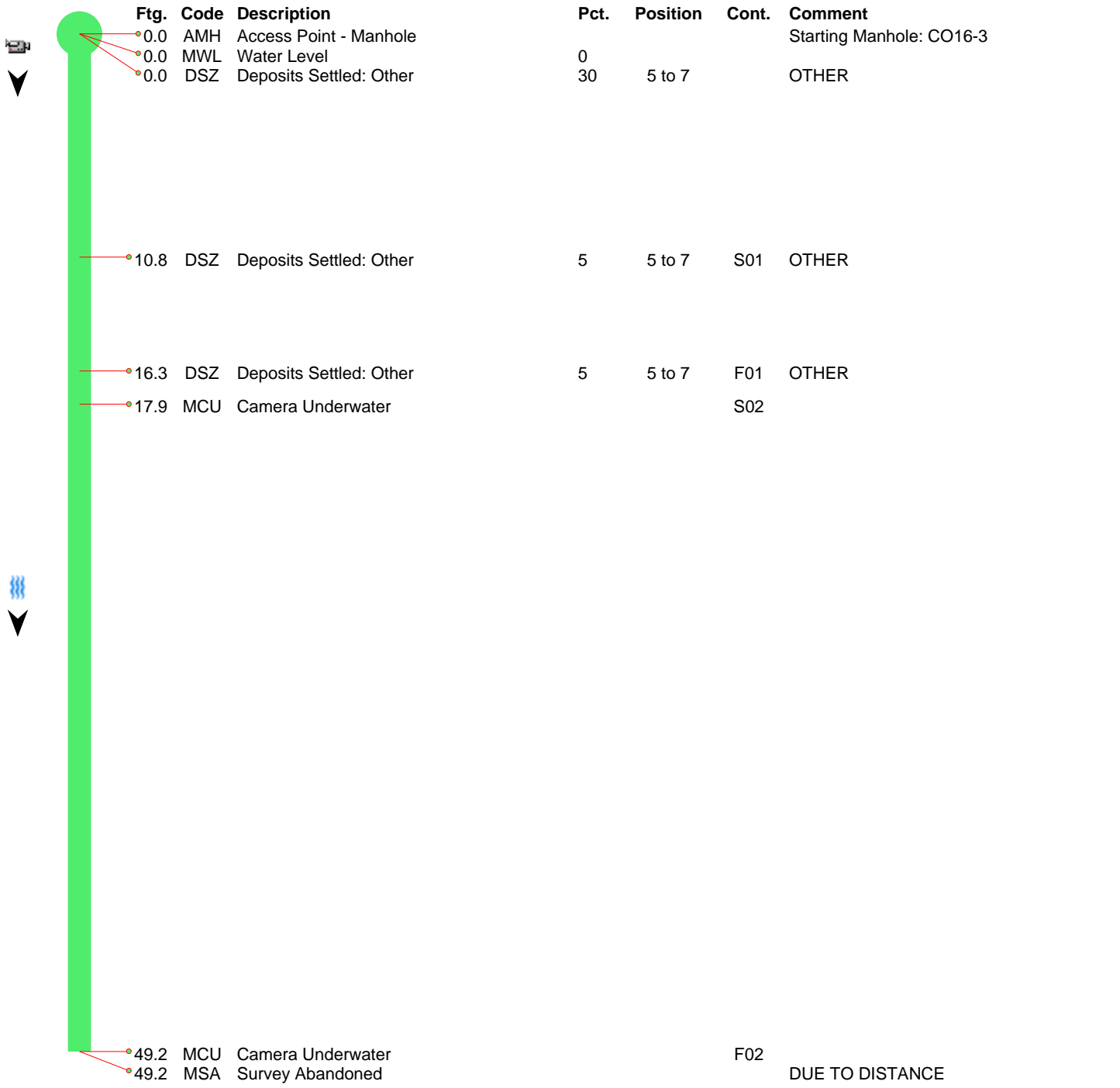
TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Upstream MH CO16-3	Downstream MH 3	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
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Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16	Location Details 65 GREEN MOUNTAIN
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Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:58	Length Surveyed 49.2
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Additional Information



Upstream MH CO16-3	Downstream MH 3	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:58	Length Surveyed 49.2
Additional Information					



AMH - Access Point - Manhole @ 0.0 m.
Starting Manhole: CO16-3



MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 0.0 m.
OTHER

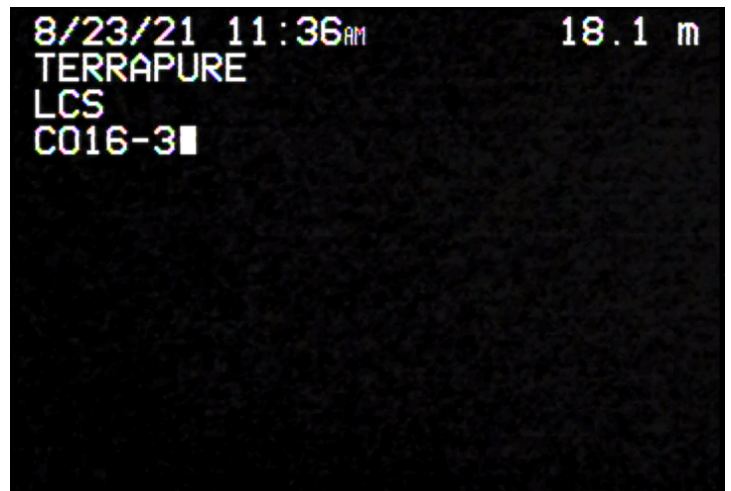


DSZ - Deposits Settled: Other @ 10.8 m.
OTHER

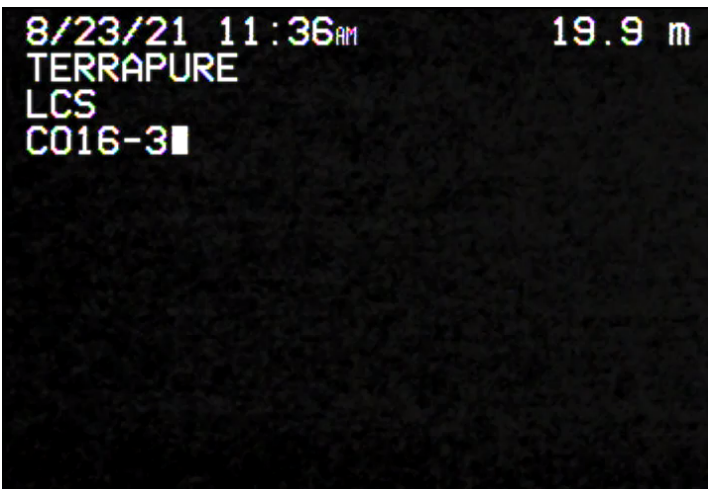
Upstream MH CO16-3	Downstream MH 3	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 14:58	Length Surveyed 49.2
Additional Information					



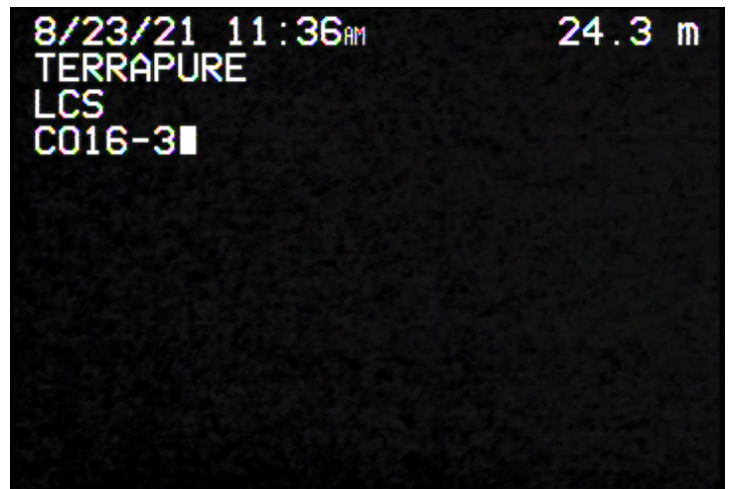
DSZ - Deposits Settled: Other @ 16.3 m.
OTHER



MCU - Camera Underwater @ 17.9 m.



MCU - Camera Underwater @ 49.2 m.



MSA - Survey Abandoned @ 49.2 m.
DUE TO DISTANCE



PIPEFLO CONTRACTING CORP.

111 FRID STREET
HAMILTON, ONTARIO L8P 4M3

TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Surveyors name PIPEFLMD
 Certificate Number U-414-06020730
 System Owner REVOLUTION LANDFILL LP
 Survey Customer REVOLUTION LANDFILL LP
 Drainage Area
 Sheet 1

P/O No. 4501005340
Pipeline Segment Reference 13
Date 20210825
Time 15:07
Location (Street Name and number) CO16
Locality STONEY CREEK

Further Location details 65 GREEN MOUNTAIN
Upstream Manhole Number CO16-4
Rim to Invert
Grade to Invert
Rim to Grade

Downstream Manhole Number 4
Rim to Invert
Grade to Invert
Rim to Grade
Use of Sewer Processes
Direction Downstream
Flow Control N
Height 150

Width
Shape Circular
Material PVC
Ln. Method
Pipe Joint Length
Total Length
Length Surveyed 50
Year Laid
Year Rehabilitated
Tape / Media Number 13

Purpose F
Sewer Category A
Pre-Cleaning No Pre-Cleaning
Cleaned
Weather Dry
Additional Information

Distance (Meters)	Code		Continuous defect	Value			Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks	
	Group/Descriptor	Modifier/severity		S/M/L				%	At / From					To
					1st	2nd								
0.0	AMH								AMH@0			Starting Manhole: CO16-4		
0.0	MWL					0			MWL@0					
13.2	DS	Z				5	5	7	DSZ@13.2		2	OTHER		
14.1	DS	Z				30	5	7	DSZ@14.1		4	OTHER		
17.8	MCU		S01						MCU@17.8					
50.0	MCU		F01						MCU@50		421			
50.0	MSA								MSA@50			DUE TO DISTANCE		

Segment	Structural									O & M						Overall								
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
13-CO16-4-4	0	0	0	0	0	0	0000		0	2	0	88	0	90	4C21	3.9	0	2	0	88	0	90	4C21	3.9



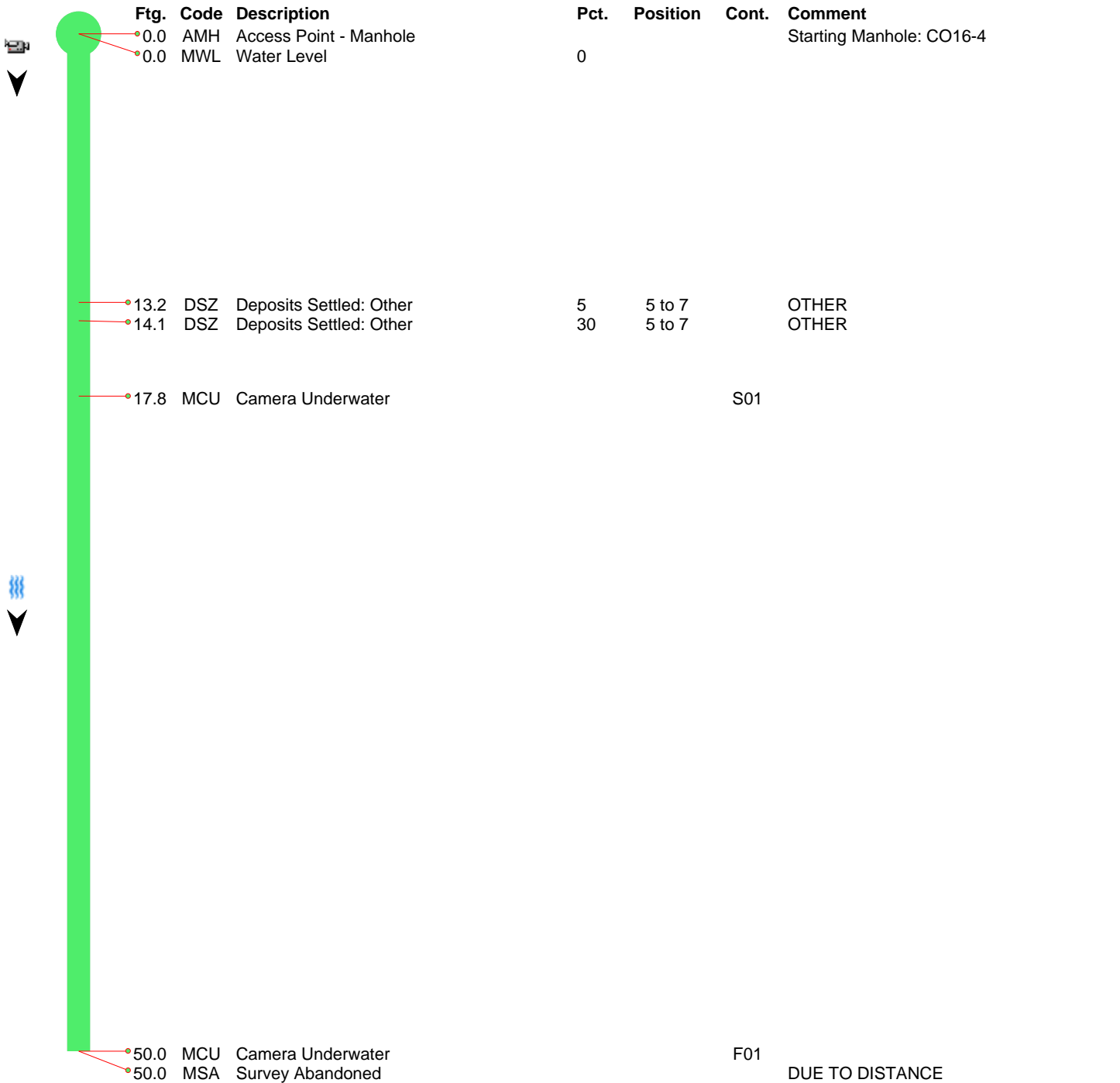
PIPEFLO CONTRACTING CORP.

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

Upstream MH CO16-4	Downstream MH 4	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 15:07	Length Surveyed 50
Additional Information					



Upstream MH CO16-4	Downstream MH 4	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 15:07	Length Surveyed 50
Additional Information					



AMH - Access Point - Manhole @ 0.0 m.
Starting Manhole: CO16-4



MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 13.2 m.
OTHER



DSZ - Deposits Settled: Other @ 14.1 m.
OTHER

Upstream MH CO16-4	Downstream MH 4	Size 150	Material Polyvinyl Chloride	Total Length	City STONEY CREEK
Surveyor's Name PIPEFLOMD	Certificate Number U-414-06020730	Street Address CO16		Location Details 65 GREEN MOUNTAIN	
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20210825	Time 15:07	Length Surveyed 50
Additional Information					



MCU - Camera Underwater @ 17.8 m.



MCU - Camera Underwater @ 50.0 m.



MSA - Survey Abandoned @ 50.0 m.
DUE TO DISTANCE