



**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** 17   
**Date** 20210825   
**Time** 15:30   
**Location (Street Name and number)** CO1   
**Locality** STONEY CREEK

**Further Location details** 65 GREEN MOUNTAIN   
**Upstream Manhole Number** CO1-3   
**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** 50   
**Year Laid**   
**Year Rehabilitated**   
**Tape / Media Number** 17

**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: CO1-3	
0.0	MWL					0			MWL@0					
18.7	DS	Z	S01			5	5	7	DSZ@18.7				OTHER	
22.1	DS	Z				30	5	7	DSZ@22.1		4		OTHER	
23.5	DS	Z	F01			5	5	7	DSZ@23.5		23		OTHER	
23.5	MCU		S02						MCU@23.5					
48.8	MCU		F02						MCU@48.8		417			
48.8	MWL					10			MWL@48.8					
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
17-CO1-3-3	0	0	0	0	0	0	0000		0	6	0	72	0	78	4B23	3.7	0	6	0	72	0	78	4B23	3.7



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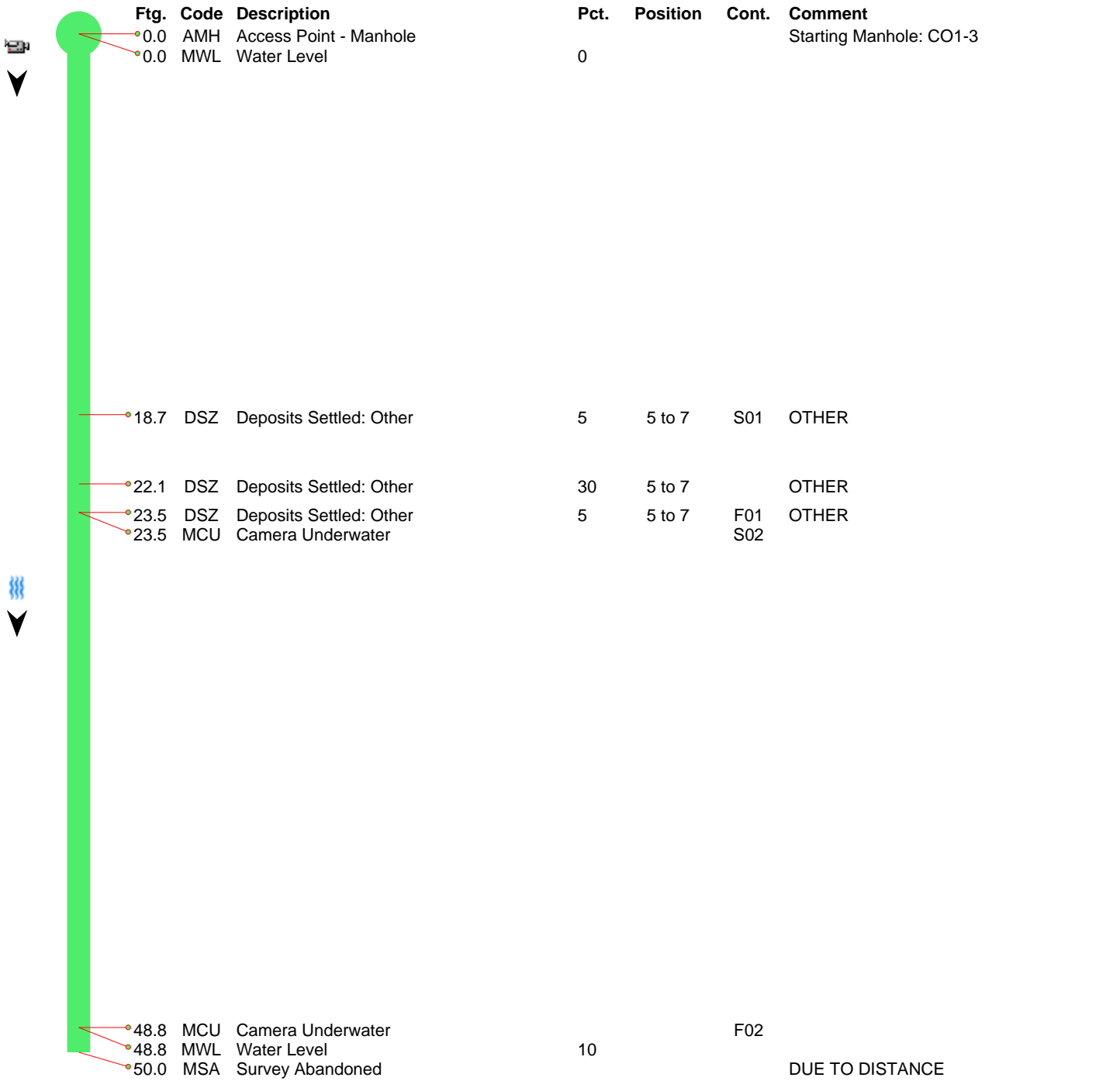
TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

<b>Upstream MH</b> CO1-3	<b>Downstream MH</b> 3	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
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<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1	<b>Location Details</b> 65 GREEN MOUNTAIN
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<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:30	<b>Length Surveyed</b> 50
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**Additional Information**





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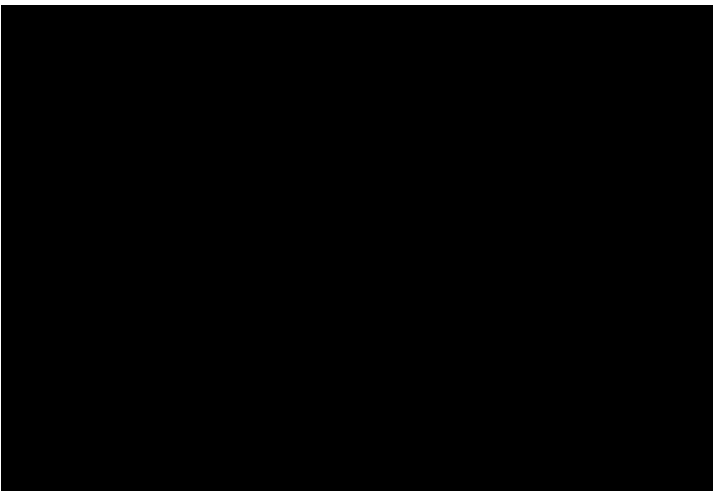
<b>Upstream MH</b> CO1-3	<b>Downstream MH</b> 3	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b> 	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:30	<b>Length Surveyed</b> 50
<b>Additional Information</b> 					



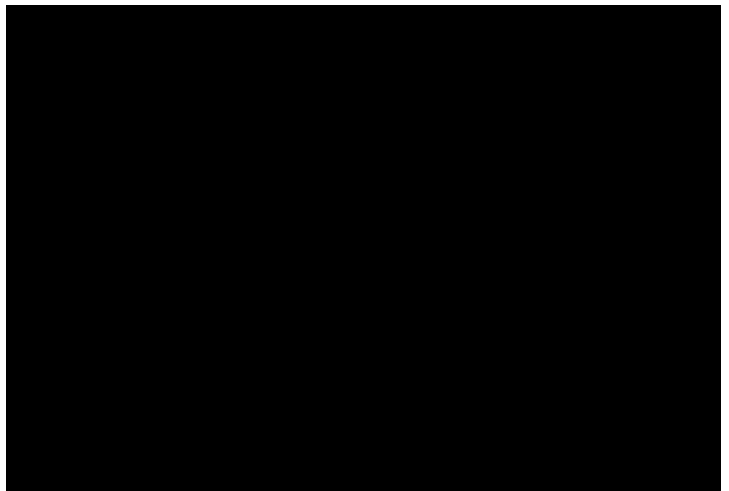
AMH - Access Point - Manhole @ 0.0 m.  
Starting Manhole: CO1-3



MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 18.7 m.  
OTHER



DSZ - Deposits Settled: Other @ 22.1 m.  
OTHER



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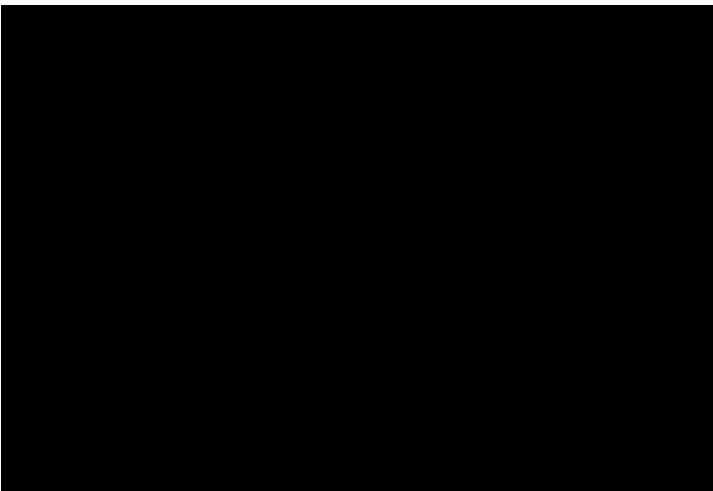
<b>Upstream MH</b> CO1-3	<b>Downstream MH</b> 3	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b> 	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:30	<b>Length Surveyed</b> 50
<b>Additional Information</b> 					



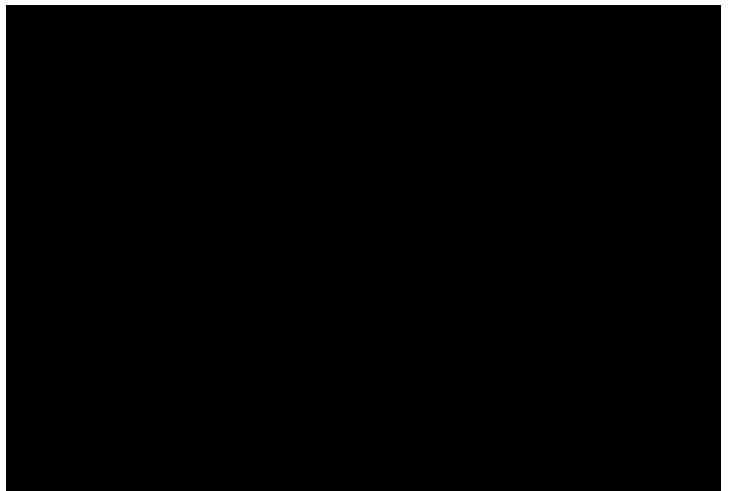
DSZ - Deposits Settled: Other @ 23.5 m.  
OTHER



MCU - Camera Underwater @ 23.5 m.



MCU - Camera Underwater @ 48.8 m.



MWL - Water Level @ 48.8 m.





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<b>Upstream MH</b> CO1-3	<b>Downstream MH</b> 3	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b> 	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:30	<b>Length Surveyed</b> 50
<b>Additional Information</b> 					



MSA - Survey Abandoned @ 50.0 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** 18   
**Date** 20210825   
**Time** 15:43   
**Location (Street Name and number)** CO1   
**Locality** STONEY CREEK

**Further Location details** 65 GREEN MOUNTAIN   
**Upstream Manhole Number** CO1-4   
**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** 18

**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: CO1-4		
0.0	MWL					0			MWL@0					
20.1	DS	Z				20	5	7	DSZ@20.1		3	OTHER		
22.9	MCU		S01						MCU@22.9					
50.0	MCU		F01						MCU@50		418			
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
18-CO1-4-4	0	0	0	0	0	0	0000		0	0	3	72	0	75	4B31	3.9	0	0	3	72	0	75	4B31	3.9



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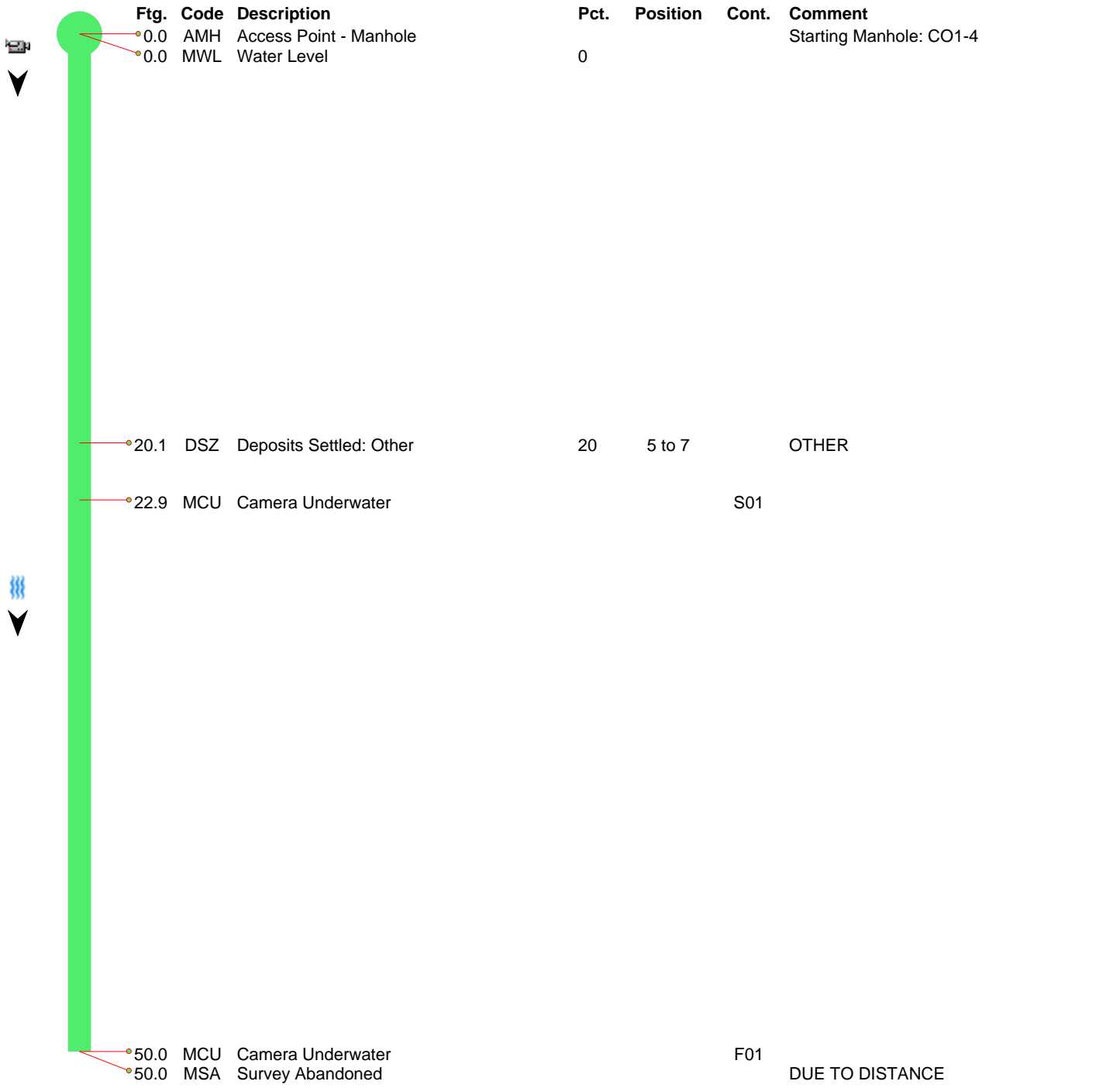
<b>Upstream MH</b> CO1-4	<b>Downstream MH</b> 4	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
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<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1	<b>Location Details</b> 65 GREEN MOUNTAIN
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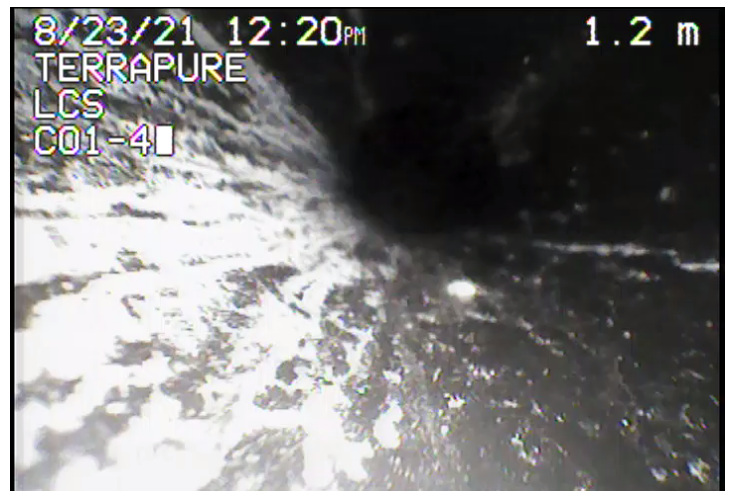
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:43	<b>Length Surveyed</b> 50
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**Additional Information**

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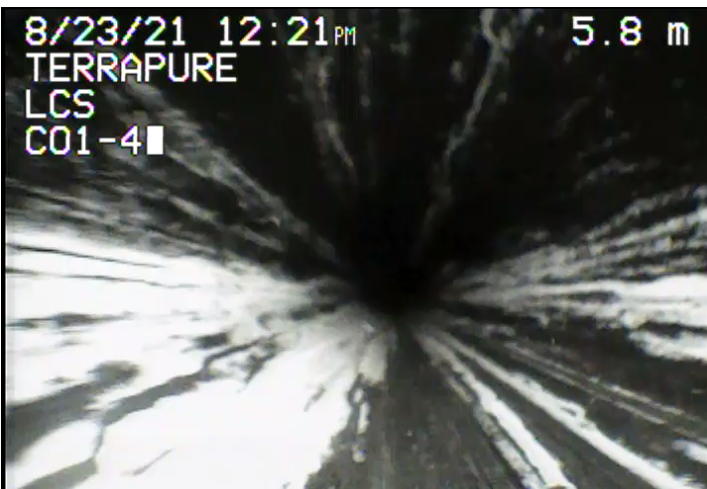


<b>Upstream MH</b> CO1-4	<b>Downstream MH</b> 4	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:43	<b>Length Surveyed</b> 50
<b>Additional Information</b>					



AMH - Access Point - Manhole @ 0.0 m.  
Starting Manhole: CO1-4

MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 20.1 m.  
OTHER

MCU - Camera Underwater @ 22.9 m.

<b>Upstream MH</b> CO1-4	<b>Downstream MH</b> 4	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:43	<b>Length Surveyed</b> 50
<b>Additional Information</b>					



MCU - Camera Underwater @ 50.0 m.



MSA - Survey Abandoned @ 50.0 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** 19   
**Date** 20210825   
**Time** 15:49   
**Location (Street Name and number)** CO1   
**Locality** STONEY CREEK

**Further Location details** 65 GREEN MOUNTAIN   
**Upstream Manhole Number** CO1-5   
**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** 12   
**Year Laid**   
**Year Rehabilitated**   
**Tape / Media Number** 19

**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: CO1-5		
0.0	MWL					0			MWL@0					
10.9	OBZ					5		12	OBZ@10.9		2	STICK		
12.0	DS	Z				100		6	DSZ@12		5	DUE TO BLOCKAGE		
12.0	MSA								MSA@12			DUE TO BLOCKAGE		

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
19-CO1-5-5	0	0	0	0	0	0	0000		0	2	0	0	5	7	5121	3.5	0	2	0	0	5	7	5121	3.5



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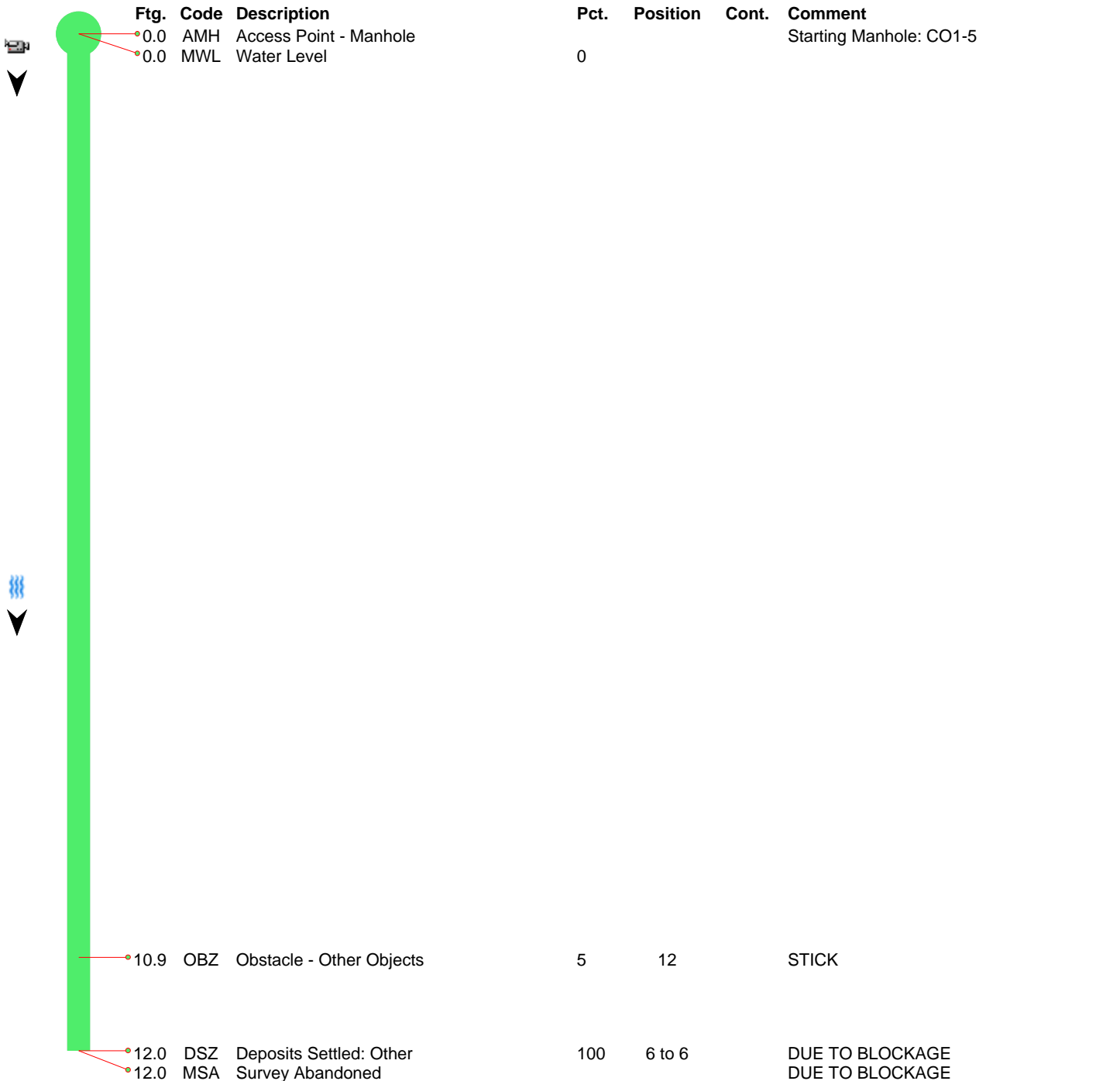
<b>Upstream MH</b> CO1-5	<b>Downstream MH</b> 5	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
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<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1	<b>Location Details</b> 65 GREEN MOUNTAIN
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<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:49	<b>Length Surveyed</b> 12
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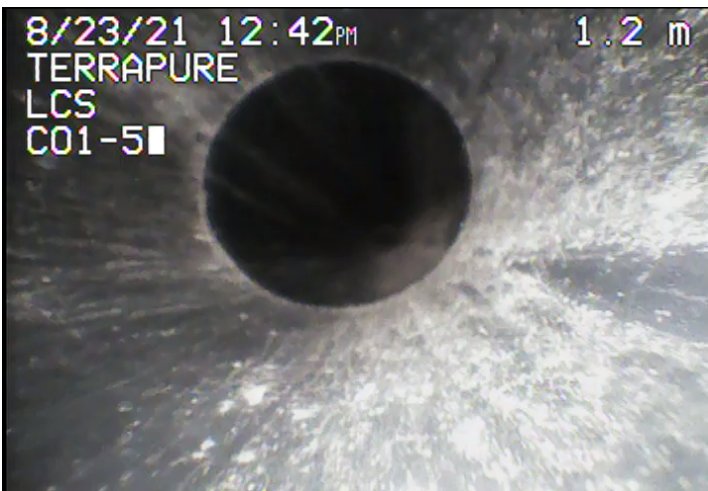
**Additional Information**

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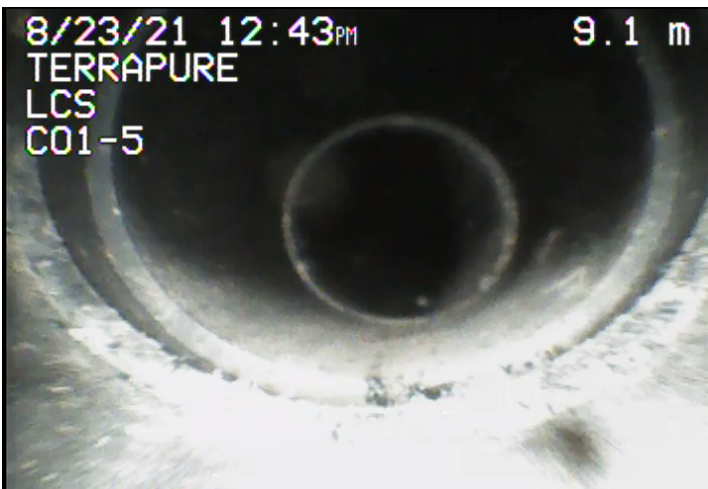
<b>Upstream MH</b> CO1-5	<b>Downstream MH</b> 5	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:49	<b>Length Surveyed</b> 12
<b>Additional Information</b>					



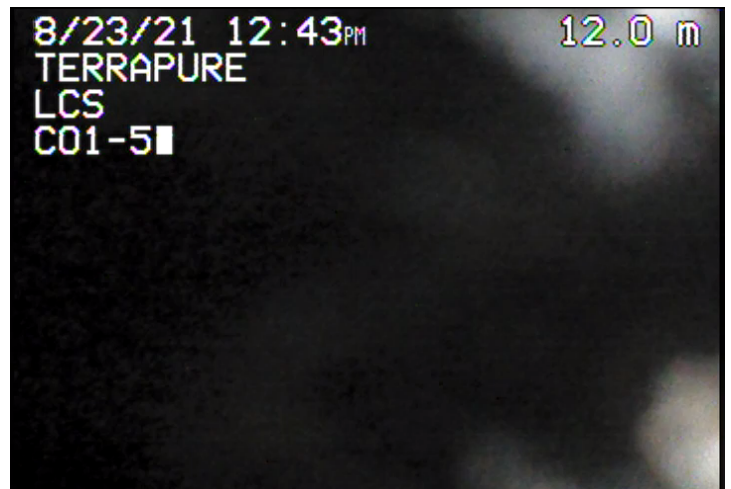
AMH - Access Point - Manhole @ 0.0 m.  
Starting Manhole: CO1-5



MWL - Water Level @ 0.0 m.



OBZ - Obstacle - Other Objects @ 10.9 m.  
STICK



DSZ - Deposits Settled: Other @ 12.0 m.  
DUE TO BLOCKAGE





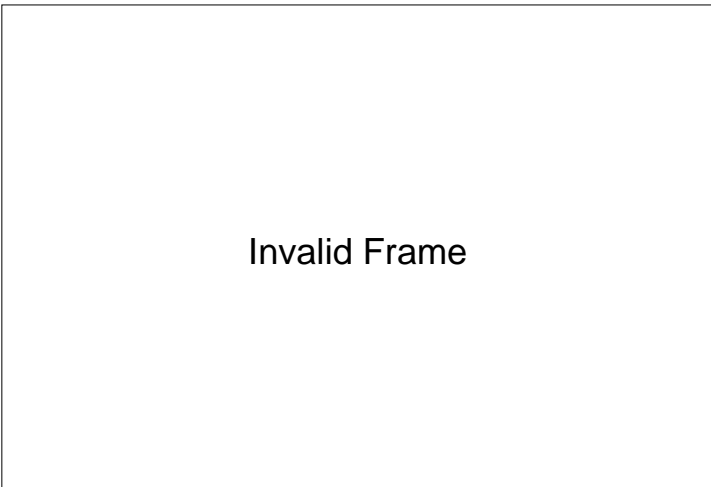
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TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

<b>Upstream MH</b> CO1-5	<b>Downstream MH</b> 5	<b>Size</b> 150	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO1		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:49	<b>Length Surveyed</b> 12
<b>Additional Information</b>					



MSA - Survey Abandoned @ 12.0 m.  
DUE TO BLOCKAGE



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**Surveyors name** PIPEFLLOMD   
 **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** 20   
**Date** 20210825   
**Time** 15:53   
**Location (Street Name and number)** CO2   
**Locality** STONEY CREEK

**Further Location details** 65 GREEN MOUNTAIN   
**Upstream Manhole Number** CO2-1   
**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** 200

**Width**   
**Shape** Circular   
**Material** PVC   
**Ln. Method**   
**Pipe Joint Length**   
**Total Length**   
**Length Surveyed** 49.6   
**Year Laid**   
**Year Rehabilitated**   
**Tape / Media Number** 20

**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: CO2-1		
0.0	MWL					0			MWL@0					
5.7	ISSR	H				25	7	2	ISSRH@5.7		4			
19.9	DS	Z	S01			10	5	7	DSZ@19.9			OTHER		
22.0	DS	Z	F01			10	5	7	DSZ@22		21	OTHER		
22.0	MCU		S02						MCU@22					
49.6	MCU		F02						MCU@49.6		418			
49.6	MSA								MSA@49.6			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
20-CO2-1-1	0	0	0	0	0	0	0000		0	2	0	76	0	78	4B21	3.9	0	2	0	76	0	78	4B21	3.9



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HAMILTON, ONTARIO L8P 4M3






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

<b>Upstream MH</b> CO2-1	<b>Downstream MH</b> 1	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
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<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2	<b>Location Details</b> 65 GREEN MOUNTAIN
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<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:53	<b>Length Surveyed</b> 49.6
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**Additional Information**

	Ftg.	Code	Description	Pct.	Position	Cont.	Comment
 	0.0	AMH	Access Point - Manhole				Starting Manhole: CO2-1
	0.0	MWL	Water Level	0			
 	5.7	ISSRH	Intruding Seal Material - Sealing Ring: Hanging	25	7 to 2		
	19.9	DSZ	Deposits Settled: Other	10	5 to 7	S01	OTHER
	22.0	DSZ	Deposits Settled: Other	10	5 to 7	F01	OTHER
	22.0	MCU	Camera Underwater			S02	
	49.6	MCU	Camera Underwater			F02	DUE TO DISTANCE
	49.6	MSA	Survey Abandoned				

<b>Upstream MH</b> CO2-1	<b>Downstream MH</b> 1	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:53	<b>Length Surveyed</b> 49.6
<b>Additional Information</b>					



AMH - Access Point - Manhole @ 0.0 m.  
Starting Manhole: CO2-1

MWL - Water Level @ 0.0 m.



ISSRH - Intruding Seal Material - Sealing Ring: Hanging @ 5.7 m.

DSZ - Deposits Settled: Other @ 19.9 m.  
OTHER

<b>Upstream MH</b> CO2-1	<b>Downstream MH</b> 1	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 15:53	<b>Length Surveyed</b> 49.6
<b>Additional Information</b>					



DSZ - Deposits Settled: Other @ 22.0 m.  
OTHER



MCU - Camera Underwater @ 22.0 m.



MCU - Camera Underwater @ 49.6 m.



MSA - Survey Abandoned @ 49.6 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** 21   
**Date** 20210825   
**Time** 16:04   
**Location (Street Name and number)** CO2   
**Locality** STONEY CREEK

**Further Location details** 65 GREEN MOUNTAIN   
**Upstream Manhole Number** CO2-2   
**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** 200

**Width**   
**Shape** Circular   
**Material** PVC   
**Ln. Method**   
**Pipe Joint Length**   
**Total Length**   
**Length Surveyed** 22.8   
**Year Laid**   
**Year Rehabilitated**   
**Tape / Media Number** 21

**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: CO2-2	
0.0	MWL					0			MWL@0					
22.8	DS	Z				100	6	6	DSZ@22.8		5		OTHER	
22.8	MSA								MSA@22.8				DUE TO BLOCKAGE	

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
21-CO2-2-2	0	0	0	0	0	0	0000		0	0	0	0	5	5	5100	5.0	0	0	0	0	5	5	5100	5.0



**PIPEFLO CONTRACTING CORP.**

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

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

<b>Upstream MH</b> CO2-2	<b>Downstream MH</b> 2	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
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<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2	<b>Location Details</b> 65 GREEN MOUNTAIN
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<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:04	<b>Length Surveyed</b> 22.8
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**Additional Information**

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<b>Upstream MH</b> CO2-2	<b>Downstream MH</b> 2	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
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<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2	<b>Location Details</b> 65 GREEN MOUNTAIN
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<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:04	<b>Length Surveyed</b> 22.8
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**Additional Information**

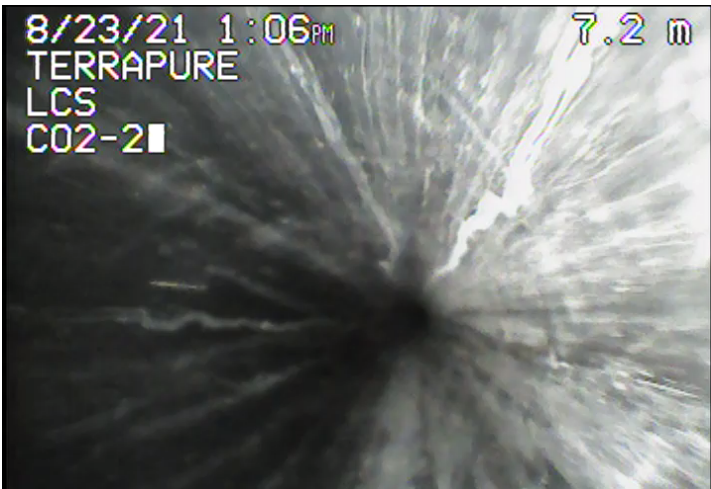
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AMH - Access Point - Manhole @ 0.0 m.  
Starting Manhole: CO2-2



MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 22.8 m.  
OTHER



MSA - Survey Abandoned @ 22.8 m.  
DUE TO BLOCKAGE





**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** 22   
**Date** 20210825   
**Time** 16:07   
**Location (Street Name and number)** CO2   
**Locality** STONEY CREEK

**Further Location details** 65 GREEN MOUNTAIN   
**Upstream Manhole Number** CO2-3   
**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** 200

**Width**   
**Shape** Circular   
**Material** PVC   
**Ln. Method**   
**Pipe Joint Length**   
**Total Length**   
**Length Surveyed** 37   
**Year Laid**   
**Year Rehabilitated**   
**Tape / Media Number** 22

**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: CO2-3	
0.0	MWL					0			MWL@0					
19.5	DS	Z	S01			15	5	7	DSZ@19.5				OTHER	
22.7	DS	Z	F01			10	5	7	DSZ@22.7		22		OTHER	
22.7	MCU								MCU@22.7		4			
37.0	MSA								MSA@37				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
22-CO2-3-3	0	0	0	0	0	0	0000		0	4	0	4	0	8	4122	2.7	0	4	0	4	0	8	4122	2.7



**PIPEFLO CONTRACTING CORP.**

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

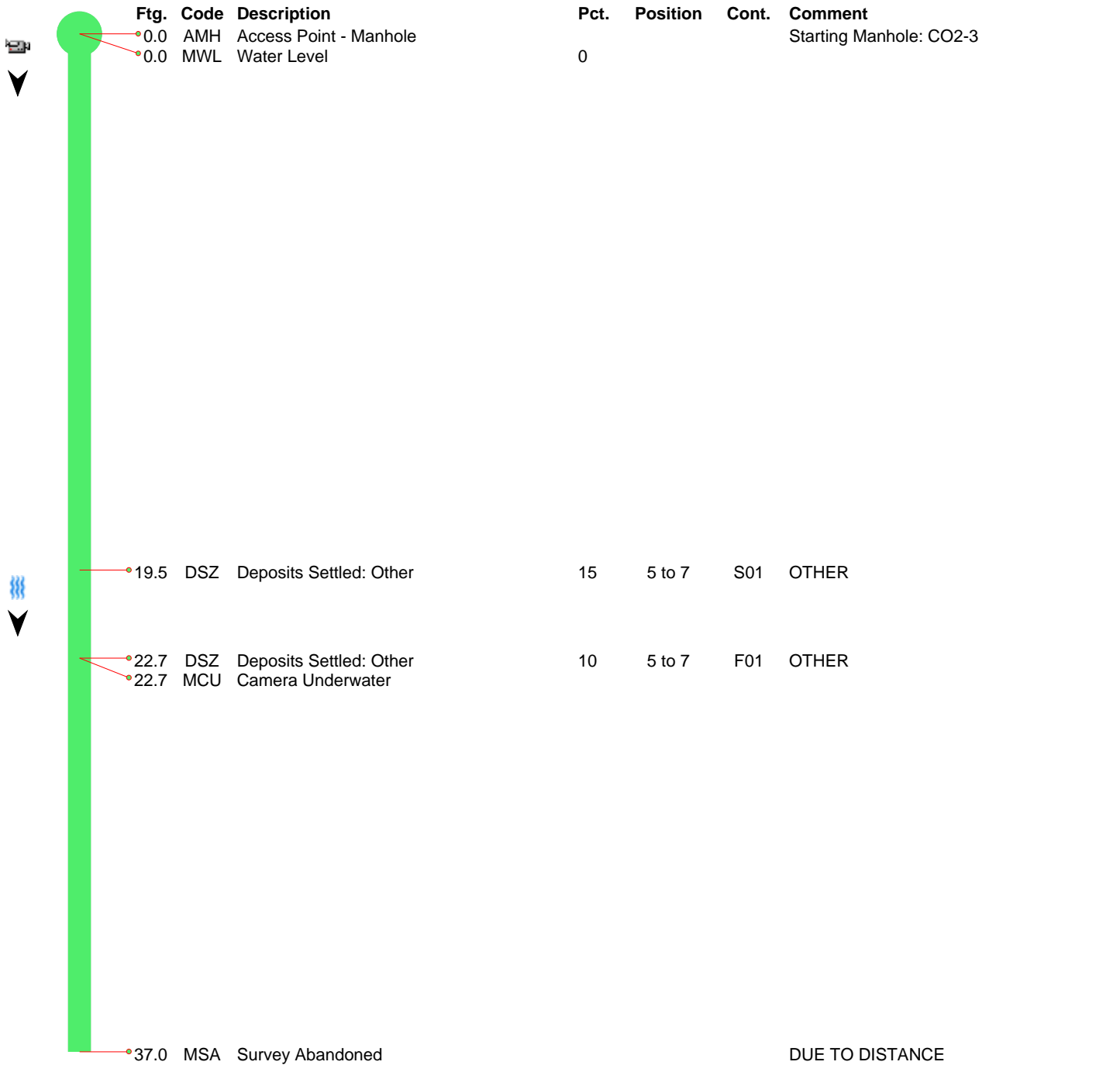
TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

<b>Upstream MH</b> CO2-3	<b>Downstream MH</b> 3	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
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<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2	<b>Location Details</b> 65 GREEN MOUNTAIN
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<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:07	<b>Length Surveyed</b> 37
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**Additional Information**



<b>Upstream MH</b> CO2-3	<b>Downstream MH</b> 3	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:07	<b>Length Surveyed</b> 37
<b>Additional Information</b>					



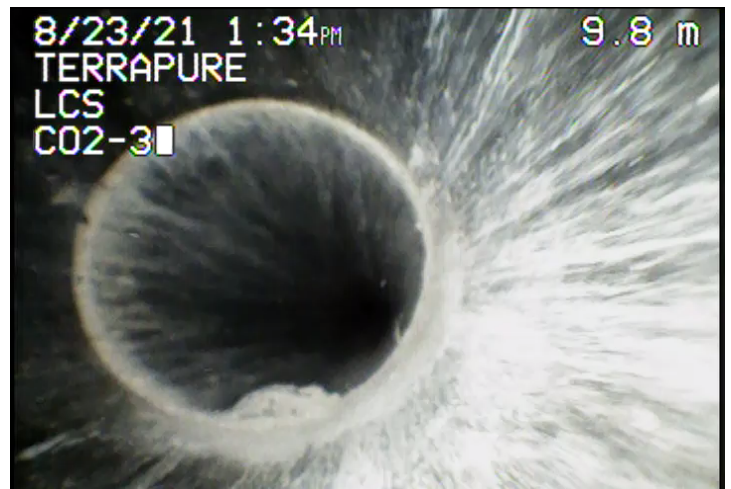
AMH - Access Point - Manhole @ 0.0 m.  
Starting Manhole: CO2-3



MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 19.5 m.  
OTHER



DSZ - Deposits Settled: Other @ 22.7 m.  
OTHER

<b>Upstream MH</b> CO2-3	<b>Downstream MH</b> 3	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:07	<b>Length Surveyed</b> 37
<b>Additional Information</b>					



MCU - Camera Underwater @ 22.7 m.



MSA - Survey Abandoned @ 37.0 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** 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** 23   
**Date** 20210825   
**Time** 16:13   
**Location (Street Name and number)** CO2   
**Locality** STONEY CREEK

**Further Location details** 65 GREEN MOUNTAIN   
**Upstream Manhole Number** CO2-4   
**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** 200

**Width**   
**Shape** Circular   
**Material** PVC   
**Ln. Method**   
**Pipe Joint Length**   
**Total Length**   
**Length Surveyed** 43.7   
**Year Laid**   
**Year Rehabilitated**   
**Tape / Media Number** 23

**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				
0.0	AMH									AMH@0			Starting Manhole: CO2-4
0.0	MWL					0				MWL@0			
20.8	DS	Z				10		5	7	DSZ@20.8		2	OTHER
23.0	MCU		S01							MCU@23			
43.7	MCU		F01							MCU@43.7		414	
43.7	MSA									MSA@43.7			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
23-CO2-4-4	0	0	0	0	0	0	0000		0	2	0	56	0	58	4A21	3.9	0	2	0	56	0	58	4A21	3.9



**PIPEFLO CONTRACTING CORP.**

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

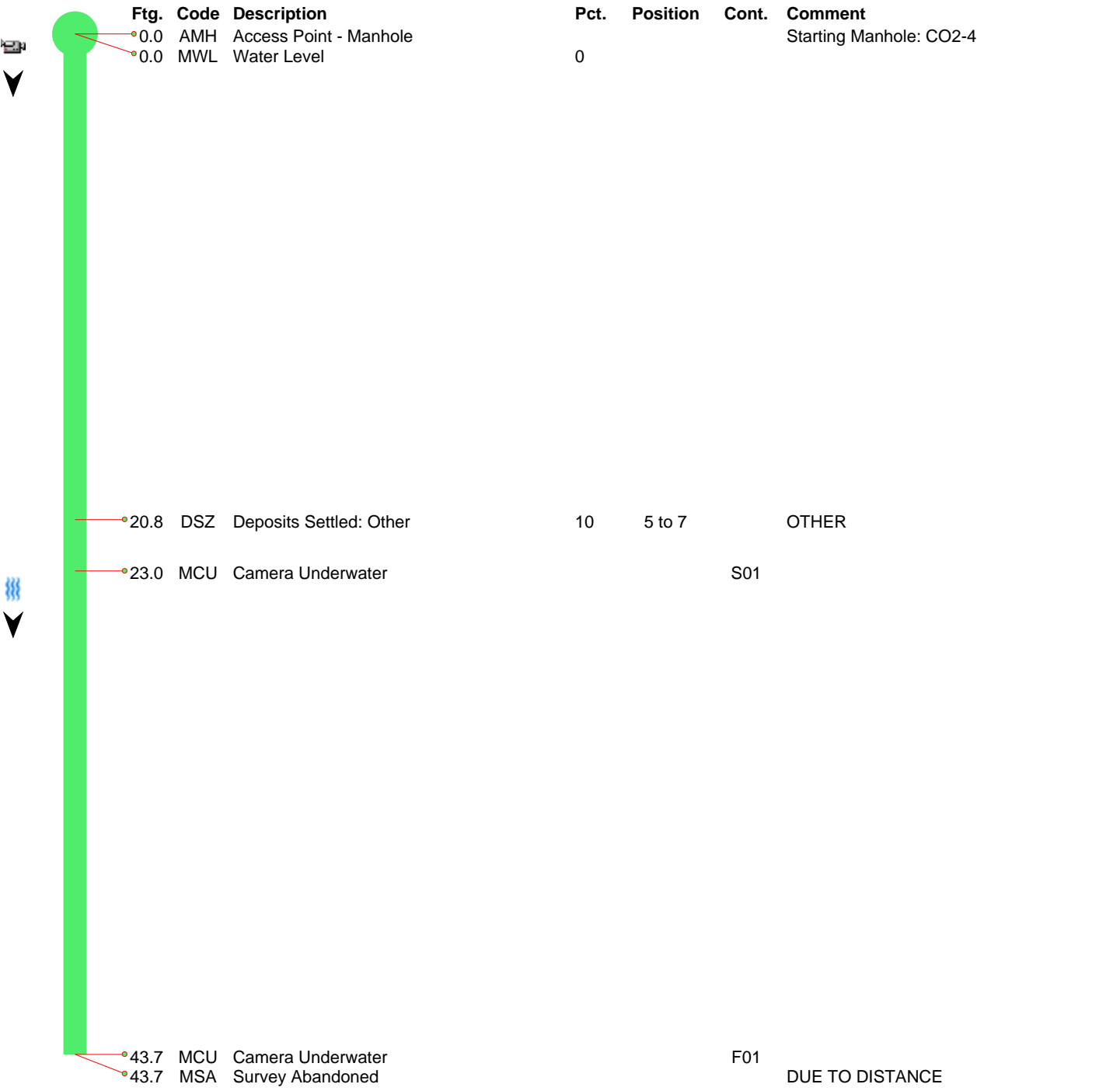
TOLL-FREE: 1-866-711-4567, TELEPHONE: 905-572-7767, FAX: 905-572-7768

<b>Upstream MH</b> CO2-4	<b>Downstream MH</b> 4	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
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<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2	<b>Location Details</b> 65 GREEN MOUNTAIN
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<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:13	<b>Length Surveyed</b> 43.7
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**Additional Information**





<b>Upstream MH</b> CO2-4	<b>Downstream MH</b> 4	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:13	<b>Length Surveyed</b> 43.7
<b>Additional Information</b>					



AMH - Access Point - Manhole @ 0.0 m.  
Starting Manhole: CO2-4

MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 20.8 m.  
OTHER

MCU - Camera Underwater @ 23.0 m.

<b>Upstream MH</b> CO2-4	<b>Downstream MH</b> 4	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:13	<b>Length Surveyed</b> 43.7
<b>Additional Information</b>					



MCU - Camera Underwater @ 43.7 m.



MSA - Survey Abandoned @ 43.7 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** 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** 24   
**Date** 20210825   
**Time** 16:16   
**Location (Street Name and number)** CO2   
**Locality** STONEY CREEK

**Further Location details** 65 GREEN MOUNTAIN   
**Upstream Manhole Number** CO2-5   
**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** 200

**Width**   
**Shape** Circular   
**Material** PVC   
**Ln. Method**   
**Pipe Joint Length**   
**Total Length**   
**Length Surveyed** 33.5   
**Year Laid**   
**Year Rehabilitated**   
**Tape / Media Number** 24

**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: CO2-5	
0.0	MWL					0			MWL@0					
19.7	DS	Z	S01			10		5	7	DSZ@19.7			OTHER	
22.5	DS	Z	F01			10		5	7	DSZ@22.5		22	OTHER	
33.5	MCU									MCU@33.5		4		
33.5	MSA												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
24-CO2-5-5	0	0	0	0	0	0	0000		0	4	0	4	0	8	4122	2.7	0	4	0	4	0	8	4122	2.7



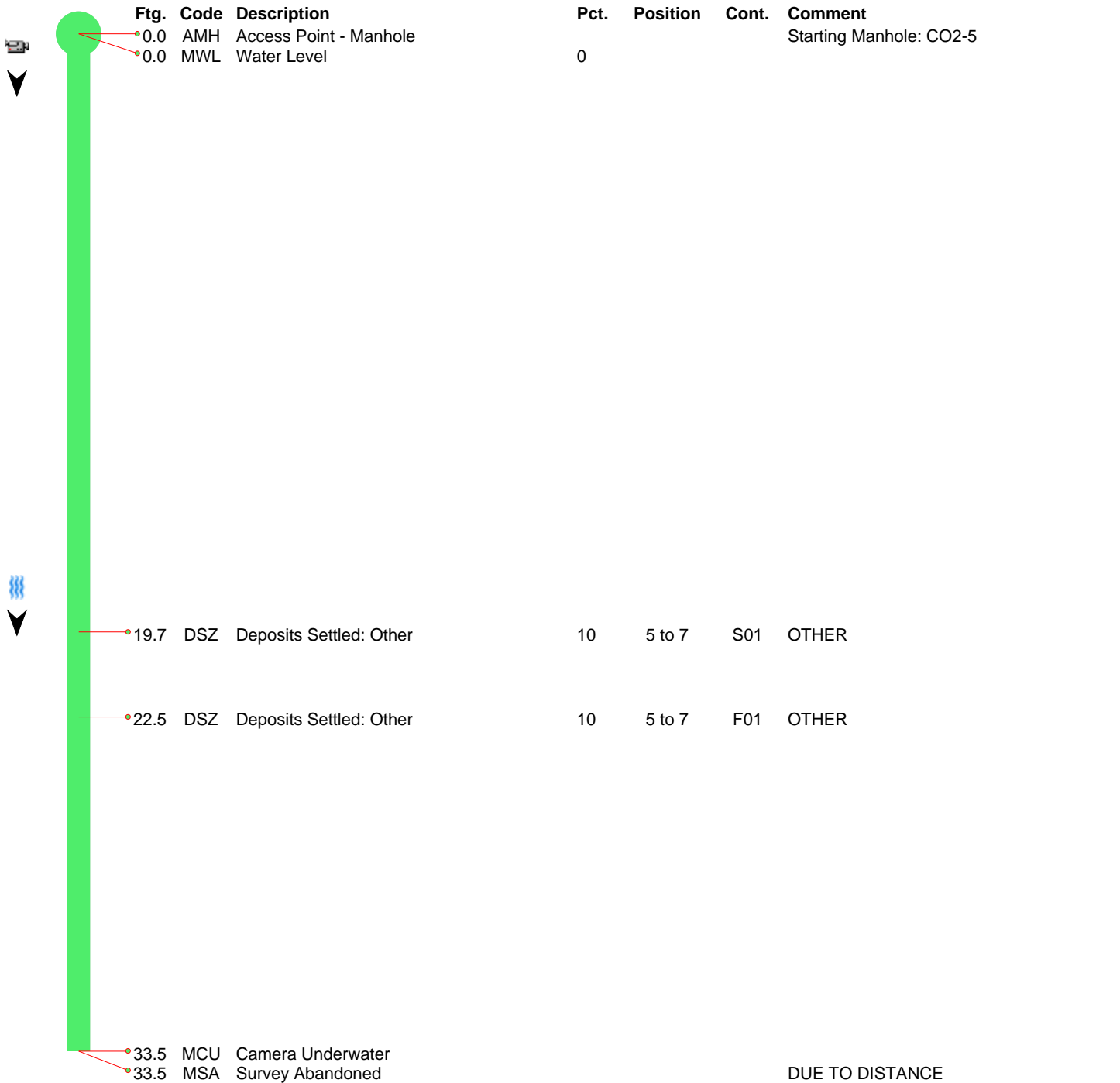
**PIPEFLO CONTRACTING CORP.**

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

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

<b>Upstream MH</b> CO2-5	<b>Downstream MH</b> 5	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b>	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:16	<b>Length Surveyed</b> 33.5
<b>Additional Information</b>					





**PIPEFLO CONTRACTING CORP.**

111 FRID STREET

HAMILTON, ONTARIO L8P 4M3

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

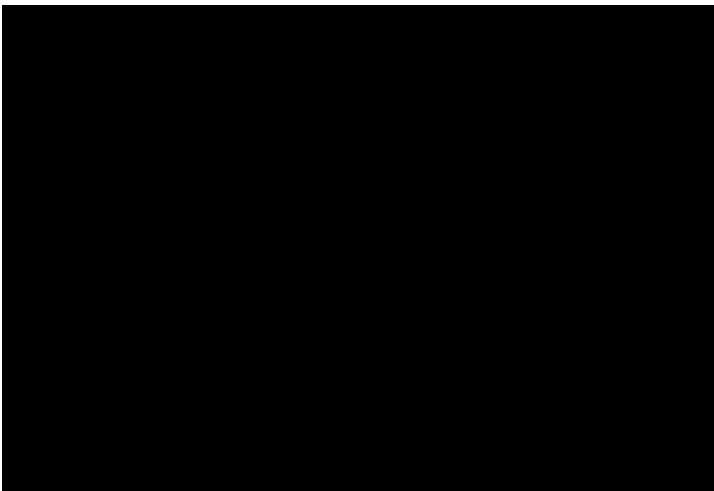
<b>Upstream MH</b> CO2-5	<b>Downstream MH</b> 5	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b> 	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:16	<b>Length Surveyed</b> 33.5
<b>Additional Information</b> 					



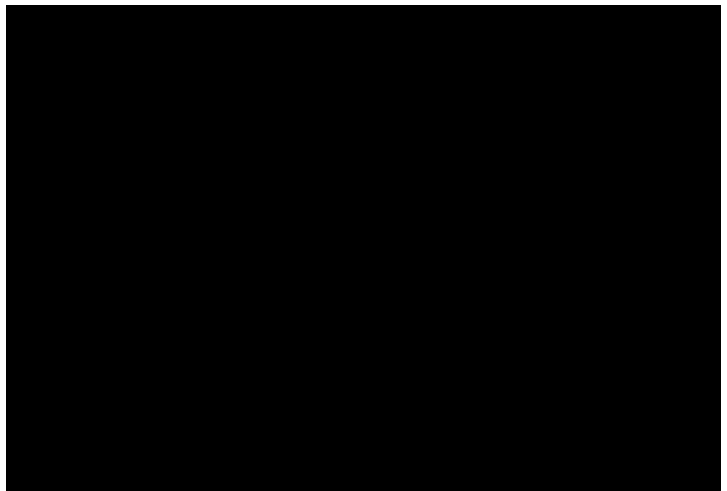
AMH - Access Point - Manhole @ 0.0 m.  
Starting Manhole: CO2-5



MWL - Water Level @ 0.0 m.



DSZ - Deposits Settled: Other @ 19.7 m.  
OTHER



DSZ - Deposits Settled: Other @ 22.5 m.  
OTHER



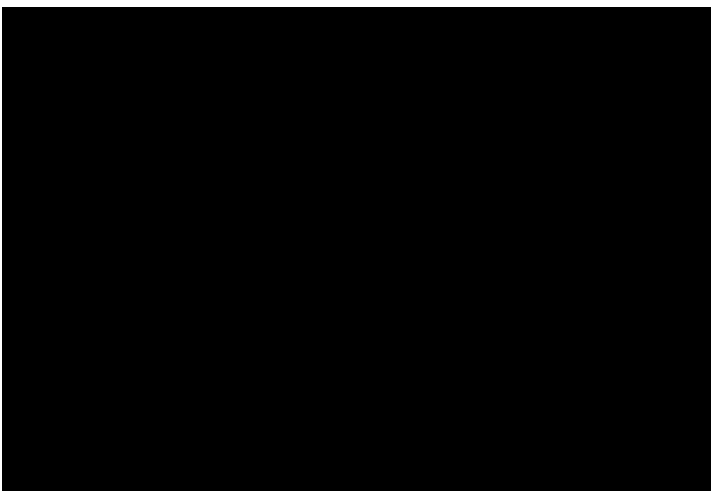
**PIPEFLO CONTRACTING CORP.**

111 FRID STREET

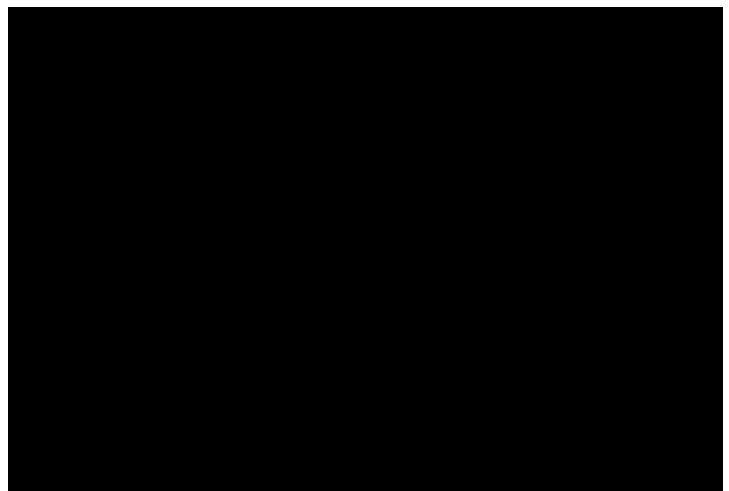
HAMILTON, ONTARIO L8P 4M3

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

<b>Upstream MH</b> CO2-5	<b>Downstream MH</b> 5	<b>Size</b> 200	<b>Material</b> Polyvinyl Chloride	<b>Total Length</b> 	<b>City</b> STONEY CREEK
<b>Surveyor's Name</b> PIPEFLOMD	<b>Certificate Number</b> U-414-06020730	<b>Street Address</b> CO2		<b>Location Details</b> 65 GREEN MOUNTAIN	
<b>Direction</b> Downstream	<b>Purpose</b> Routine Assessment	<b>Weather</b> Dry	<b>Date</b> 20210825	<b>Time</b> 16:16	<b>Length Surveyed</b> 33.5
<b>Additional Information</b> 					



MCU - Camera Underwater @ 33.5 m.



MSA - Survey Abandoned @ 33.5 m.  
DUE TO DISTANCE