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CLEAN WATER WORKS INC.

INTEGRATED SEWER SOLUTIONS

1480 RICHMOND RD

Ottawa, Ontario

SEWER CCTV INSPECTION REPORT

Report ID
153600SA1

Sewer Use
Sanitary

Completion Date
June 22, 2026

Inspected Length
86.10 meters

THE WAY IS CLEAR™

- Watermain Swabbing
- Hydro Vacuum Excavation
- CCTV Inspection of Sewers
- Plumbing & Drain Services
- Structural Rehabilitation of Manholes
- Cured-in-Place-Pipe Lining & Spot Repairs
- Grouting, Test & Seal Joints, Manholes & Services
- Lateral Sewer Inspection & Locates From Main
- Sewer Cleaning, Flushing & Pumping

Table of contents

Page

1. Index of pipes 2
2. Structural rating 3
3. O&M rating 4
4. Pipe summary and condition details 5
5. Vision Report© Legend 13

1. Index of pipes

4 items

Pipe	Upstream	Downstream	Street	Date	Direction	Height	Inspected	Total	Page
BUILDING SANITARY	C.O.	MAIN	Richmond Road	22/06/2026, 9:41 AM	D - Downstream	150	15.9	16.2	5
SAN MH 1 MAIN	SAN MH 1	MAIN	Richmond Road	22/06/2026, 10:34 AM	D - Downstream	200	17.8	18	7
SAN MH 3 SAN MH 1	SAN MH 3	SAN MH 1	Richmond Road	22/06/2026, 10:18 AM	U - Upstream	200	31.5	65	11
SAN MH 3 SAN MH 1	SAN MH 3	SAN MH 1	Richmond Road	22/06/2026, 9:52 AM	D - Downstream	200	20.9	65	9
							Total: 86.1	Total: 164.2	

2. Structural rating

4 items

0 - No Defects (4 of 4 items)

Score	Quick	Index	Pipe	Start/End	Direction	Street	Page
0	0000	0	BUILDING SANITARY	C.O. --> MAIN	Direction of flow	Richmond Road	5
0	0000	0	SAN MH 1 MAIN	SAN MH 1 --> MAIN	Direction of flow	Richmond Road	7
0	0000	0	SAN MH 3 SAN MH 1	SAN MH 3 --> SAN MH 1	Direction of flow	Richmond Road	9
0	0000	0	SAN MH 3 SAN MH 1	SAN MH 1 --> SAN MH 3	Against flow	Richmond Road	11

3. O&M rating

4 items

5 - Most significant defect grade (1 of 4 items)

Score	Quick	Index	Structural	Pipe	Start/End	Direction	Street	Page
13	5142	4.3	0	BUILDING SANITARY	C.O. --> MAIN	Direction of flow	Richmond Road	5

4 - Significant (1 of 4 items)

Score	Quick	Index	Structural	Pipe	Start/End	Direction	Street	Page
16	4126	2.3	0	SAN MH 1 MAIN	SAN MH 1 --> MAIN	Direction of flow	Richmond Road	7

3 - Moderate defect grade (1 of 4 items)

Score	Quick	Index	Structural	Pipe	Start/End	Direction	Street	Page
33	3A00	3	0	SAN MH 3 SAN MH 1	SAN MH 3 --> SAN MH 1	Direction of flow	Richmond Road	9

2 - Minor to Moderate (1 of 4 items)

Score	Quick	Index	Structural	Pipe	Start/End	Direction	Street	Page
6	2300	2	0	SAN MH 3 SAN MH 1	SAN MH 1 --> SAN MH 3	Against flow	Richmond Road	11

4. Pipe summary and condition details

Pipe identification

Pipe:	BUILDING SANITARY	**Direction of inspection:**	C.O. --> MAIN
Direction of flow:	C.O. --> MAIN	**Direction:**	Direction of flow

Pipe location

			UPSTREAM	DOWNSTREAM
Road:	Richmond Road	**Easting (X):**		
Crossroad:		**Northing (Y):**		
Drainage Area:		**Elevation (Z):**		
City:	Ottawa			
Location:	Building	**GPS Accuracy:**		
Owner:	COD	**Coordinate System:**		
Road segment:		**Vertical Datum:**		

Pipe characteristics

Sewer Use:	Sanitary	**Inspected length:**	15.9
Height:	150	**Total length:**	16.2
Width:		**Rim/Inv.:**	
Shape:	Circular	**Grade/Inv.:**	
Material:	Polyvinyl Chloride	**Rim/Grade:**	
Lining:		**Rim/Inv.:**	
Joint length:	4	**Grade/Inv.:**	
Year laid:		**Rim/Grade:**	
Year renewed:		**Sewer category:**	

Additional details

Inspection standard:	PACP 6.0	**Location details:**	
Date:	22/06/2026, 9:41 AM	**Surveyed by:**	Jonathan Larocque
Project Number:	1480 Richmond Road	**Certificate #:**	U06180703002189
Customer:	COD-153600	**Pre-Cleaning:**	No Pre-Cleaning
PO number:		**Date cleaned:**	
Work order:	153600	**Unit of measurement:**	Metric
Purpose:	Pre-Acceptance	**Media label:**	
Weather:	Dry	**Sheet #:**	
Flow control:	Not Controlled		

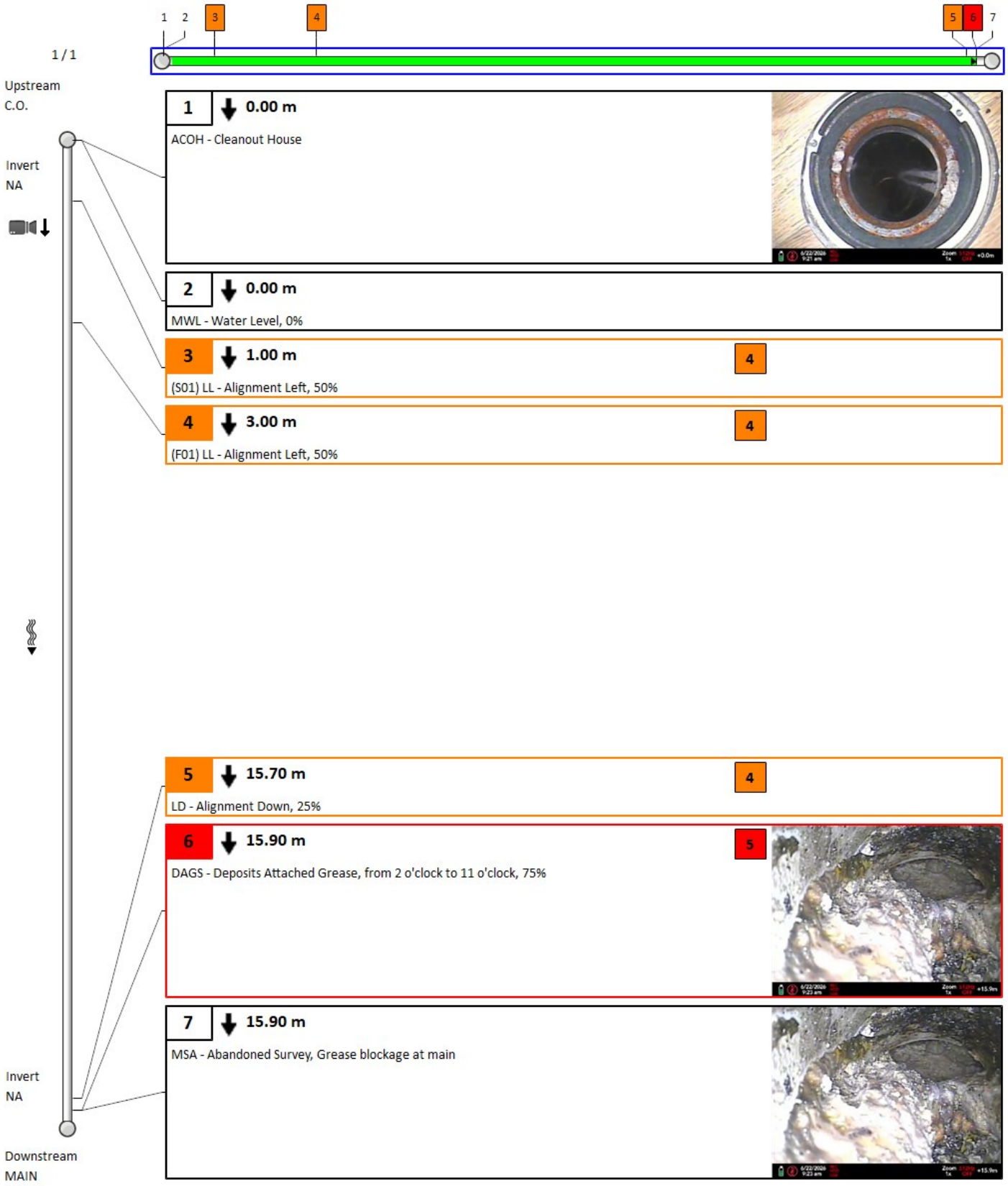
Structural rating		O&M rating		Overall rating	
Peak:	0	**Peak:**	5	**Peak:**	5
Quick rating:	0000	**Quick rating:**	5142	**Quick rating:**	5142
Score:	0	**Score:**	13	**Score:**	13
Index:	0	**Index:**	4.3	**Index:**	4.3

Additional information

Other information

Report ID:	153600SA1	**Information 6:**	
Information 2:		**Information 7:**	
Information 3:		**Information 8:**	
Information 4:		**Information 9:**	
Information 5:		**Information 10:**	

4. Pipe summary and condition details



4. Pipe summary and condition details

Pipe identification

Pipe:	SAN MH 1 MAIN	**Direction of inspection:**	SAN MH 1 --> MAIN
Direction of flow:	SAN MH 1 --> MAIN	**Direction:**	Direction of flow

Pipe location

			UPSTREAM	DOWNSTREAM
Road:	Richmond Road	**Easting (X):**		
Crossroad:		**Northing (Y):**		
Drainage Area:		**Elevation (Z):**		
City:	Ottawa			
Location:	Parking Lot	**GPS Accuracy:**		
Owner:	COD	**Coordinate System:**		
Road segment:		**Vertical Datum:**		

Pipe characteristics

Sewer Use:	Sanitary	**Inspected length:**	17.8
Height:	200	**Total length:**	18
Width:		**Rim/Inv.:**	
Shape:	Circular	**Grade/Inv.:**	
Material:	Asbestos Cement	**Rim/Grade:**	
Lining:		**Rim/Inv.:**	
Joint length:	4	**Grade/Inv.:**	
Year laid:		**Rim/Grade:**	
Year renewed:		**Sewer category:**	

Additional details

Inspection standard:	PACP 6.0	**Location details:**	
Date:	22/06/2026, 10:34 AM	**Surveyed by:**	Jonathan Larocque
Project Number:	1480 Richmond Road	**Certificate #:**	U06180703002189
Customer:	COD-153600	**Pre-Cleaning:**	Jetting
PO number:		**Date cleaned:**	
Work order:	153600	**Unit of measurement:**	Metric
Purpose:	Pre-Acceptance	**Media label:**	
Weather:	Dry	**Sheet #:**	
Flow control:	Not Controlled		

Structural rating		O&M rating		Overall rating	
Peak:	0	**Peak:**	4	**Peak:**	4
Quick rating:	0000	**Quick rating:**	4126	**Quick rating:**	4126
Score:	0	**Score:**	16	**Score:**	16
Index:	0	**Index:**	2.3	**Index:**	2.3

Additional information

Other information

Report ID:	153600SA1	**Information 6:**	
Information 2:		**Information 7:**	
Information 3:		**Information 8:**	
Information 4:		**Information 9:**	
Information 5:		**Information 10:**	

4. Pipe summary and condition details



1 / 1

Upstream
SAN MH 1

Invert
NA

1 **0.00 m**

AMH - Manhole, SAN MH 1



2 **0.00 m**

MWL - Water Level, 5%

3 **5.10 m** **4**

LL - Alignment Left, 25%

4 **7.90 m** **2**

(S01) DAGS - Deposits Attached Grease, from 10 o'clock to 3 o'clock, 5%



5 **15.90 m** **2**

(F01) DAGS - Deposits Attached Grease, from 10 o'clock to 3 o'clock, 5%

6 **16.10 m** **2**

DAGS - Deposits Attached Grease, from 4 o'clock to 8 o'clock, 10%



7 **17.80 m**

AEP - End of Pipe, MAIN



Invert
NA

Downstream
MAIN

4. Pipe summary and condition details

Pipe identification

Pipe:	SAN MH 3 SAN MH 1	**Direction of inspection:**	SAN MH 3 --> SAN MH 1
Direction of flow:	SAN MH 3 --> SAN MH 1	**Direction:**	Direction of flow

Pipe location

			UPSTREAM	DOWNSTREAM
Road:	Richmond Road	**Easting (X):**		
Crossroad:		**Northing (Y):**		
Drainage Area:		**Elevation (Z):**		
City:	Ottawa			
Location:	Parking Lot	**GPS Accuracy:**		
Owner:	COD	**Coordinate System:**		
Road segment:		**Vertical Datum:**		

Pipe characteristics

Sewer Use:	Sanitary	**Inspected length:**	20.9
Height:	200	**Total length:**	65
Width:		**Rim/Inv.:**	
Shape:	Circular	**Grade/Inv.:**	
Material:	Asbestos Cement	**Rim/Grade:**	
Lining:		**Rim/Inv.:**	
Joint length:	4	**Grade/Inv.:**	
Year laid:		**Rim/Grade:**	
Year renewed:		**Sewer category:**	

Additional details

Inspection standard:	PACP 6.0	**Location details:**	
Date:	22/06/2026, 9:52 AM	**Surveyed by:**	Jonathan Larocque
Project Number:	1480 Richmond Road	**Certificate #:**	U06180703002189
Customer:	COD-153600	**Pre-Cleaning:**	Jetting
PO number:		**Date cleaned:**	
Work order:	153600	**Unit of measurement:**	Metric
Purpose:	Pre-Acceptance	**Media label:**	
Weather:	Dry	**Sheet #:**	
Flow control:	Not Controlled		

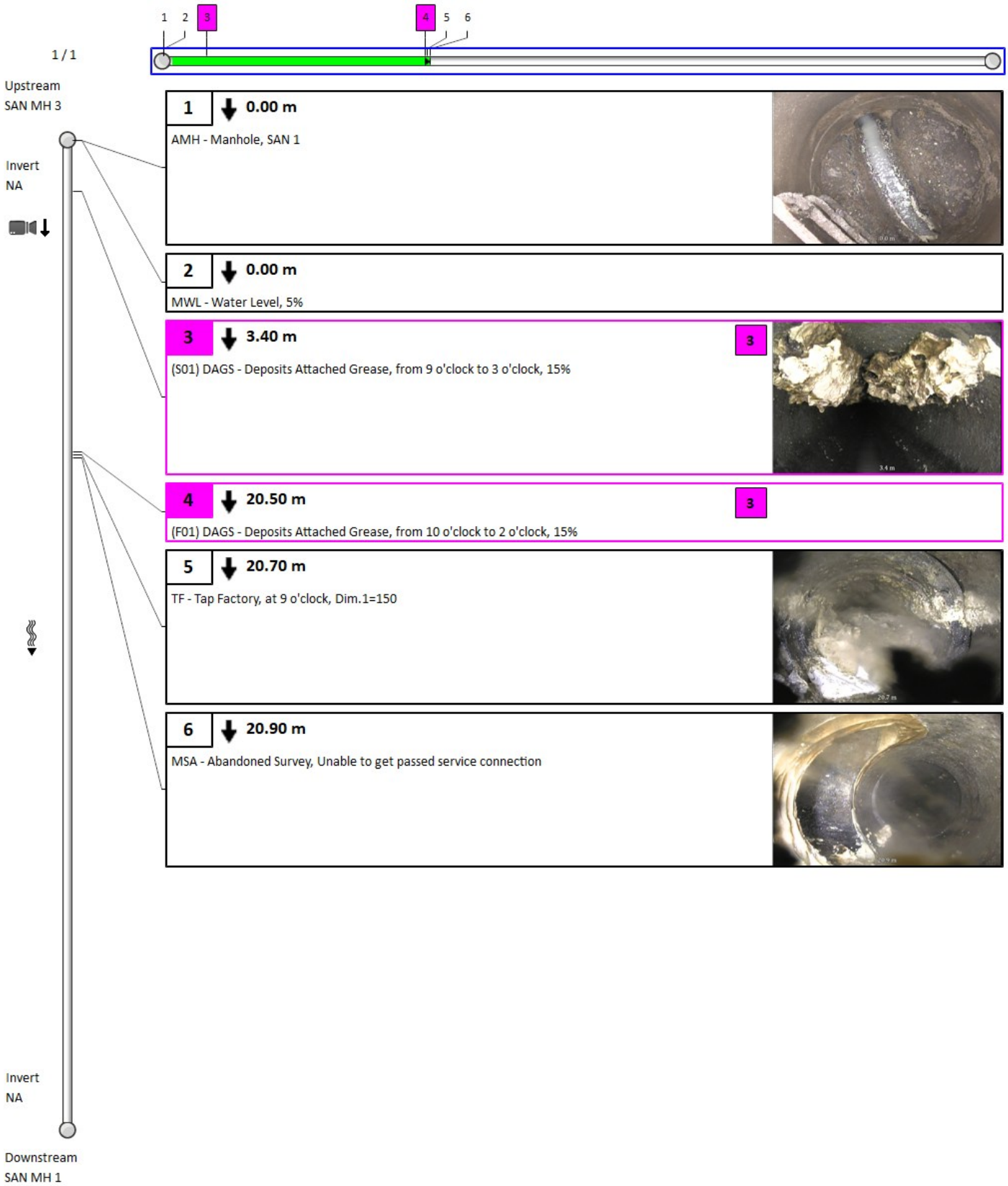
Structural rating		O&M rating		Overall rating	
Peak:	0	**Peak:**	3	**Peak:**	3
Quick rating:	0000	**Quick rating:**	3A00	**Quick rating:**	3A00
Score:	0	**Score:**	33	**Score:**	33
Index:	0	**Index:**	3	**Index:**	3

Additional information

Other information

Report ID:	153600SA1	**Information 6:**	
Information 2:		**Information 7:**	
Information 3:		**Information 8:**	
Information 4:		**Information 9:**	
Information 5:		**Information 10:**	

4. Pipe summary and condition details



4. Pipe summary and condition details

Pipe identification

Pipe:	SAN MH 3 SAN MH 1	**Direction of inspection:**	SAN MH 1 --> SAN MH 3
Direction of flow:	SAN MH 3 --> SAN MH 1	**Direction:**	Against flow

Pipe location

			UPSTREAM	DOWNSTREAM
Road:	Richmond Road	**Easting (X):**		
Crossroad:		**Northing (Y):**		
Drainage Area:		**Elevation (Z):**		
City:	Ottawa			
Location:	Parking Lot	**GPS Accuracy:**		
Owner:	COD	**Coordinate System:**		
Road segment:		**Vertical Datum:**		

Pipe characteristics

Sewer Use:	Sanitary	**Inspected length:**	31.5
Height:	200	**Total length:**	65
Width:		**Rim/Inv.:**	
Shape:	Circular	**Grade/Inv.:**	
Material:	Asbestos Cement	**Rim/Grade:**	
Lining:		**Rim/Inv.:**	
Joint length:	4	**Grade/Inv.:**	
Year laid:		**Rim/Grade:**	
Year renewed:		**Sewer category:**	

Additional details

Inspection standard:	PACP 6.0	**Location details:**	
Date:	22/06/2026, 10:18 AM	**Surveyed by:**	Jonathan Larocque
Project Number:	1480 Richmond Road	**Certificate #:**	U06180703002189
Customer:	COD-153600	**Pre-Cleaning:**	Jetting
PO number:		**Date cleaned:**	
Work order:	153600	**Unit of measurement:**	Metric
Purpose:	Pre-Acceptance	**Media label:**	
Weather:	Dry	**Sheet #:**	
Flow control:	Not Controlled		

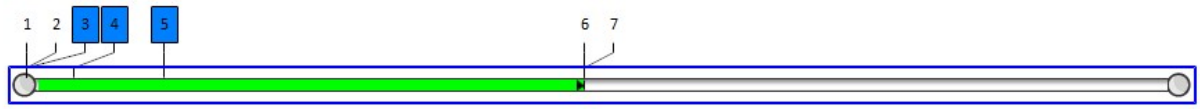
Structural rating		O&M rating		Overall rating	
Peak:	0	**Peak:**	2	**Peak:**	2
Quick rating:	0000	**Quick rating:**	2300	**Quick rating:**	2300
Score:	0	**Score:**	6	**Score:**	6
Index:	0	**Index:**	2	**Index:**	2

Additional information

Other information

Report ID:	153600SA1	**Information 6:**	
Information 2:		**Information 7:**	
Information 3:		**Information 8:**	
Information 4:		**Information 9:**	
Information 5:		**Information 10:**	

4. Pipe summary and condition details



1 / 1

Downstream
SAN MH 1

Invert
NA

1 **0.00 m**

AMH - Manhole, SAN 2



2 **0.00 m**

MWL - Water Level, 5%

3 **0.00 m** 2

DAGS - Deposits Attached Grease, at 6 o'clock, 5%



4 **2.70 m** 2

DAGS - Deposits Attached Grease, at 6 o'clock, 5%



5 **7.80 m** 2

DAGS - Deposits Attached Grease, from 7 o'clock to 5 o'clock, 5%



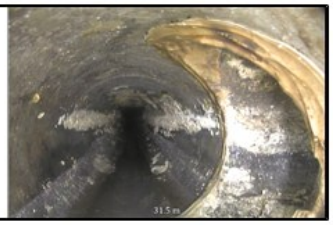
6 **31.50 m**

TF - Tap Factory, at 3 o'clock, Dim.1=150



7 **31.50 m**

AEP - End of Pipe, Reversal complete



Invert
NA

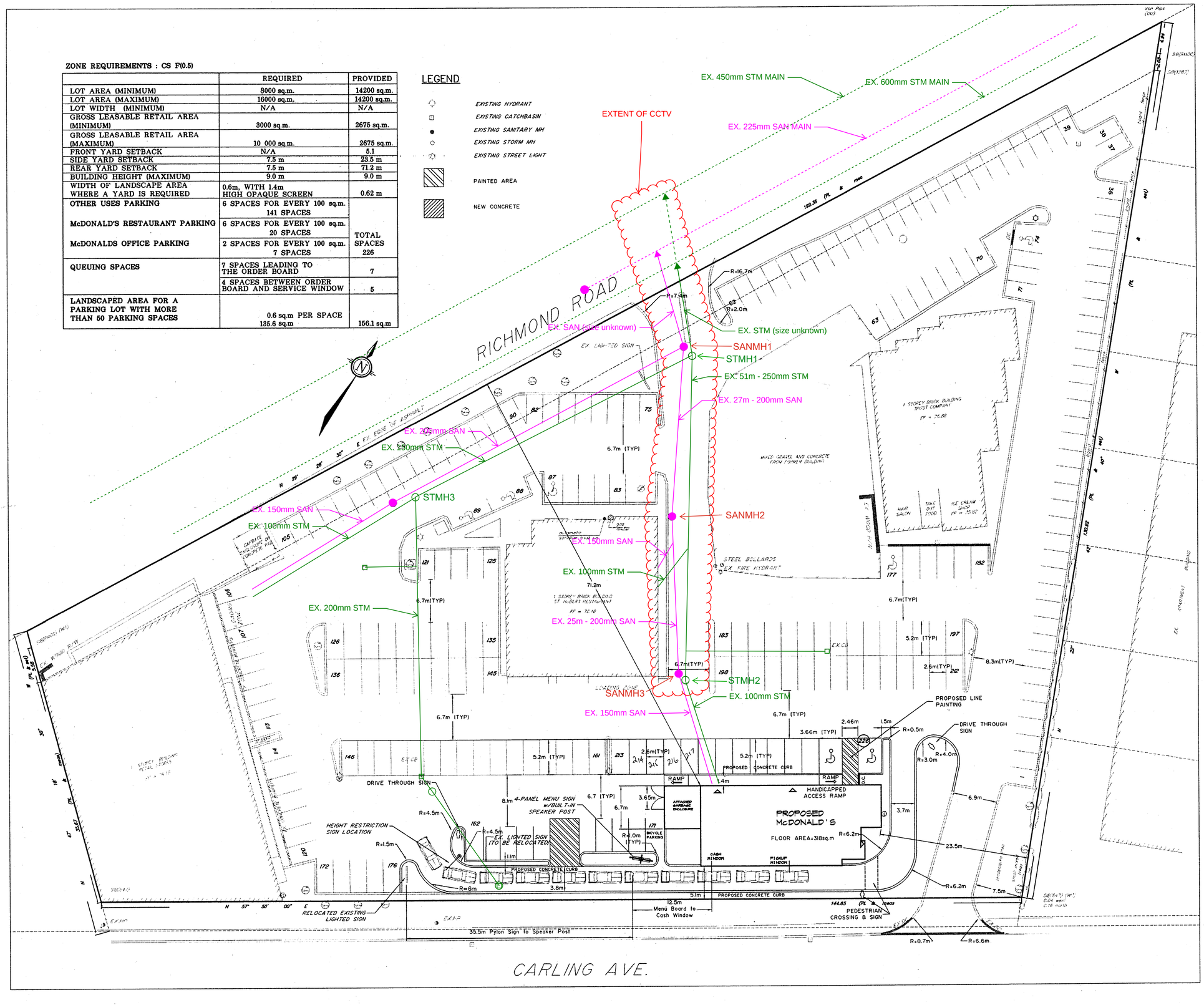
Upstream
SAN MH 3

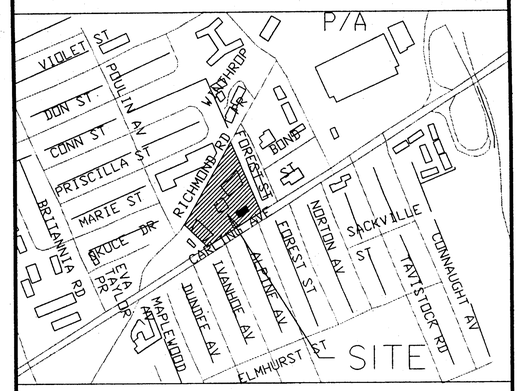
ZONE REQUIREMENTS : CS F(0.5)

	REQUIRED	PROVIDED
LOT AREA (MINIMUM)	8000 sq.m.	14200 sq.m.
LOT AREA (MAXIMUM)	16000 sq.m.	14200 sq.m.
LOT WIDTH (MINIMUM)	N/A	N/A
GROSS LEASABLE RETAIL AREA (MINIMUM)	3000 sq.m.	2675 sq.m.
GROSS LEASABLE RETAIL AREA (MAXIMUM)	10 000 sq.m.	2675 sq.m.
FRONT YARD SETBACK	N/A	5.1
SIDE YARD SETBACK	7.5 m	23.5 m
REAR YARD SETBACK	7.5 m	71.2 m
BUILDING HEIGHT (MAXIMUM)	9.0 m	9.0 m
WIDTH OF LANDSCAPE AREA WHERE A YARD IS REQUIRED	0.6m, WITH 1.4m HIGH OPAQUE SCREEN	0.62 m
OTHER USES PARKING	6 SPACES FOR EVERY 100 sq.m. 141 SPACES	
McDONALD'S RESTAURANT PARKING	6 SPACES FOR EVERY 100 sq.m. 20 SPACES	TOTAL SPACES 226
McDONALDS OFFICE PARKING	2 SPACES FOR EVERY 100 sq.m. 7 SPACES	
QUEUING SPACES	7 SPACES LEADING TO THE ORDER BOARD	7
	4 SPACES BETWEEN ORDER BOARD AND SERVICE WINDOW	5
LANDSCAPED AREA FOR A PARKING LOT WITH MORE THAN 50 PARKING SPACES	0.6 sq.m PER SPACE 135.6 sq.m	166.1 sq.m

LEGEND

- EXISTING HYDRANT
- EXISTING CATCHBASIN
- EXISTING SANITARY MH
- EXISTING STORM MH
- EXISTING STREET LIGHT
- PAINTED AREA
- NEW CONCRETE





KEY PLAN
N.T.S.

SITE PLAN

2625 Carling Ave.
City of Ottawa

Client:

Site Plan Revision For McDonald's Restaurants of Canada

Property Owner:

Toth Equity Limited

256 Rideau Street
Ottawa, Ontario
K1N 5Y3
Tel: (613) 241-6380 Fax: (613) 241-7812

0 5 10 15 20 25 50 metres
1 : 300

1:300

No.	REVISION	DATE	BY
6	REVISED AS PER CITY COMMENTS	JUNE 01/00	MC
5	REVISED AS PER CLIENT COMMENTS	MAY 10/00	GW
4	REVISED AS PER CITY COMMENTS	MAY 2/00	GW
3	ISSUED FOR CITY REVIEW	APR 11/00	GW
2	ISSUED FOR SITE PLAN APPLICATION: McDONALD'S RESTAURANT	FEB 21/00	MC
1	ISSUED FOR CLIENT REVIEW	FEB 15/00	MC

NOVATECH
CONSULTING ENGINEERS & PLANNERS
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Nepean, Ontario, Canada
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Email: novainfo@novatech-eng.com

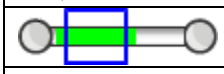
ISSUED
APRIL 2000

PROJECT No.
99183

DRAWING No.
99183-SP

Jun 22, 2000 - 15:59:33 DWG Name: J:\Nova\1999\99183\Sp\99183SP3.dwg Updated By: WLW

Vision Report© Legend

	The numbers sequentially identify each observation. They allow you to find complete descriptions and related photos throughout the pages. Note that when the pipe contains too many observations, the Vision© report hides the least important observations to optimize the display*.
60	A number with neither a square nor circle indicates a general observation.
	A circled number indicates a structural anomaly. The color of the circle indicates the severity of the anomaly on a scale of 1 to 5, 5 being the most severe: green=1, blue=2, magenta=3, orange=4 and red=5.
	A number in a square indicates an operation and maintenance anomaly. The color of the square indicates the severity of the anomaly on a scale of 1 to 5, 5 being the most severe: green=1, blue=2, magenta=3, orange=4 and red=5.
◀ 3 / 31 ▶	Indicates the current page number of the inspection report.
	The blue square indicates a section of the pipe; this section is covered in detail on the current page of the report.
	The green line indicates the inspected part of the pipe. The remaining white line indicates the uninspected part of the pipe.
	Indicates the hold points on the camera during an inspection.
	Indicates the hold points on the camera during the reverse inspection.
	Indicates that a reverse inspection was carried out, however the camera did not reach the initial inspection hold point. (the hold point of the initial inspection)
	Indicates that a reverse inspection was carried out and that it has joined (has arrived at) the initial inspection hold point.
401-059B	Identifies the start manhole number. Note that this manhole is not necessarily the upstream manhole of the pipe.
401-631	Identifies the end manhole number. Note that this manhole is not necessarily the downstream manhole of the pipe.
ou	A downward arrow indicates that the inspection was carried out in the direction of the current, whereas an upward arrow indicates an inspection against the current. Note that the manhole located on the upper left of the page is always the start manhole, but not necessarily the upstream manhole of the pipe.
	This camera followed by a downward arrow is located on the upper left of the vertical pipe; it indicates that an inspection was done from this manhole.
	When the second camera appears on the bottom left page it means that a reverse inspection was carried out. Information about the reverse inspection is included in the report, thereby combining both inspections.
Invert 3.40	The measurement shown under the word <Invert> indicates the measurements between the frame and the pipe captured during the inspection. This measurement is available at the top left for the start manhole and the bottom left for the end manhole. If the invert was not measured during the inspection, an <NA> mark will be displayed.
	The downward bold arrow to the right of the observation number indicates that this observation was captured during the initial inspection.
	The blank arrow pointing upwards and located to the right of the observation number indicates that this observation was taken during the reverse inspection period, thereby confirming that this report combined both inspections.
18.40 m	Located to the right of the observation number is a number identifying the observation distance in relation to the start of the pipe.
SRV - Armature visible	A full description of the observation code according to the protocol used.

*Any hidden observations are readily accessible from the database as well as in other CTSpec report templates.

** CTSpec inc. reserves the right to modify, eliminate or add to the product features described in this pamphlet without notice.

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