AQUA DRAIN SEWER SERVICES INC
P.O. BOX 41081, Ottawa, Ontario K1G 5K9
Tel.: 613-731-5500 • Fax: 613-822-0463
1-866-809-1504 • www.aquadrain.ca

VIDEO CAMERA INSPECTION REPORTS

RA | REDLINE ARCHITECTURE

REDLINE ARCHITECTURE INC.

116 – 118 CARRUTHERS AVENUE
LYNDALE - STONEHURST
OTTAWA

PRE CONSTRUCTION

SANITARY
APRIL 6, 2026
AQ-4841A

AQUA-DRAIN
SEWER SERVICES INC
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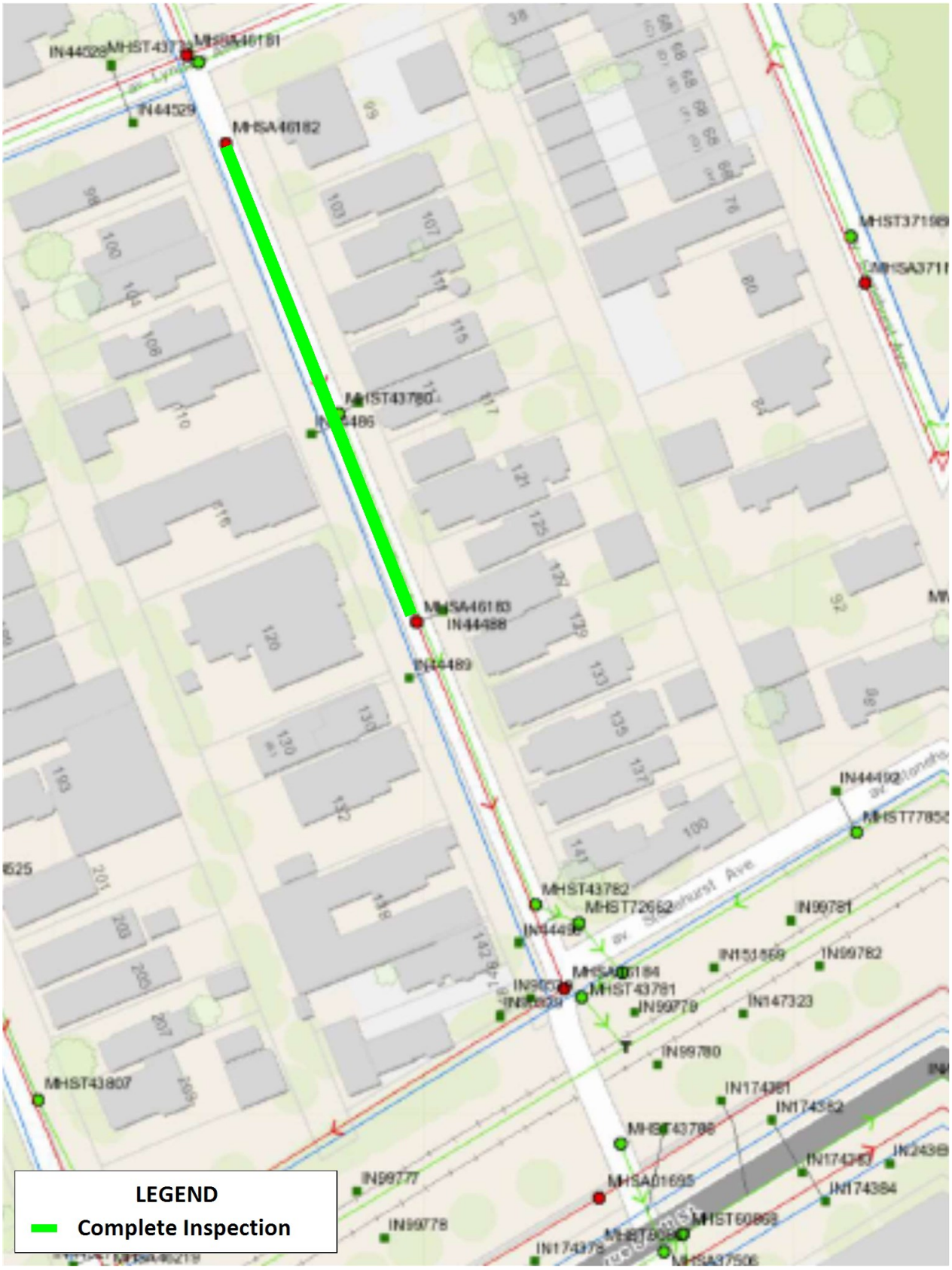
VIDEO LOG SHEET

CUSTOMER: REDLINE ARCHITECTURE INC.
DESCRIPTION: 116 - 118 CARRUTHERS AVENUE
PROJECT ID: QUOTE 8197 - PRE CONSTRUCTION
REPORT ID: AQ-4841A
DATE: APRIL 6, 2026

REPORT	DATE	STRUCTURE ID	STREET	START MANHOLE	END MANHOLE	LENGTH (M)	SEWER TYPE	SIZE (mm)	NOTES
SL-10	6-Apr-26	SAN45072	CARRUTHERS AVENUE	MHSA46182	MHSA46183	74.0	SA	250	D
					TOTAL METERS =	74.0			

Map of inspected pipes

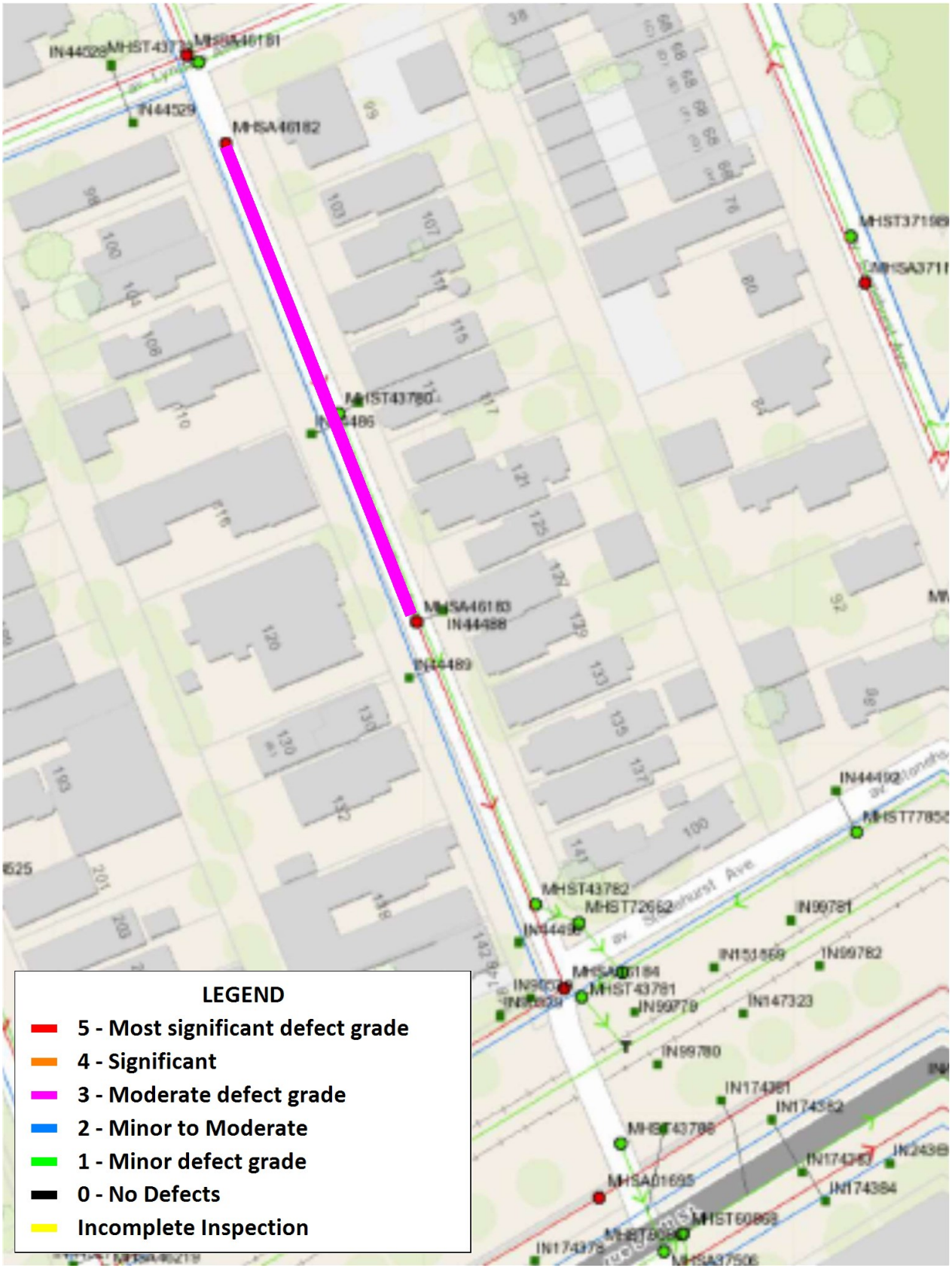


Index of pipes

1 item

Pipe	Upstream	Downstream	Street	Date	Inspected	Total	Completed	Inspection Status	Page
SAN45072	MHSA46182	MHSA46183	CARRUTHERS AVE	06/04/2026, 7:01 AM	74	74.5	99 %	Complete Inspection	9
					Total: 74	Total: 74.5			

Structural rating map



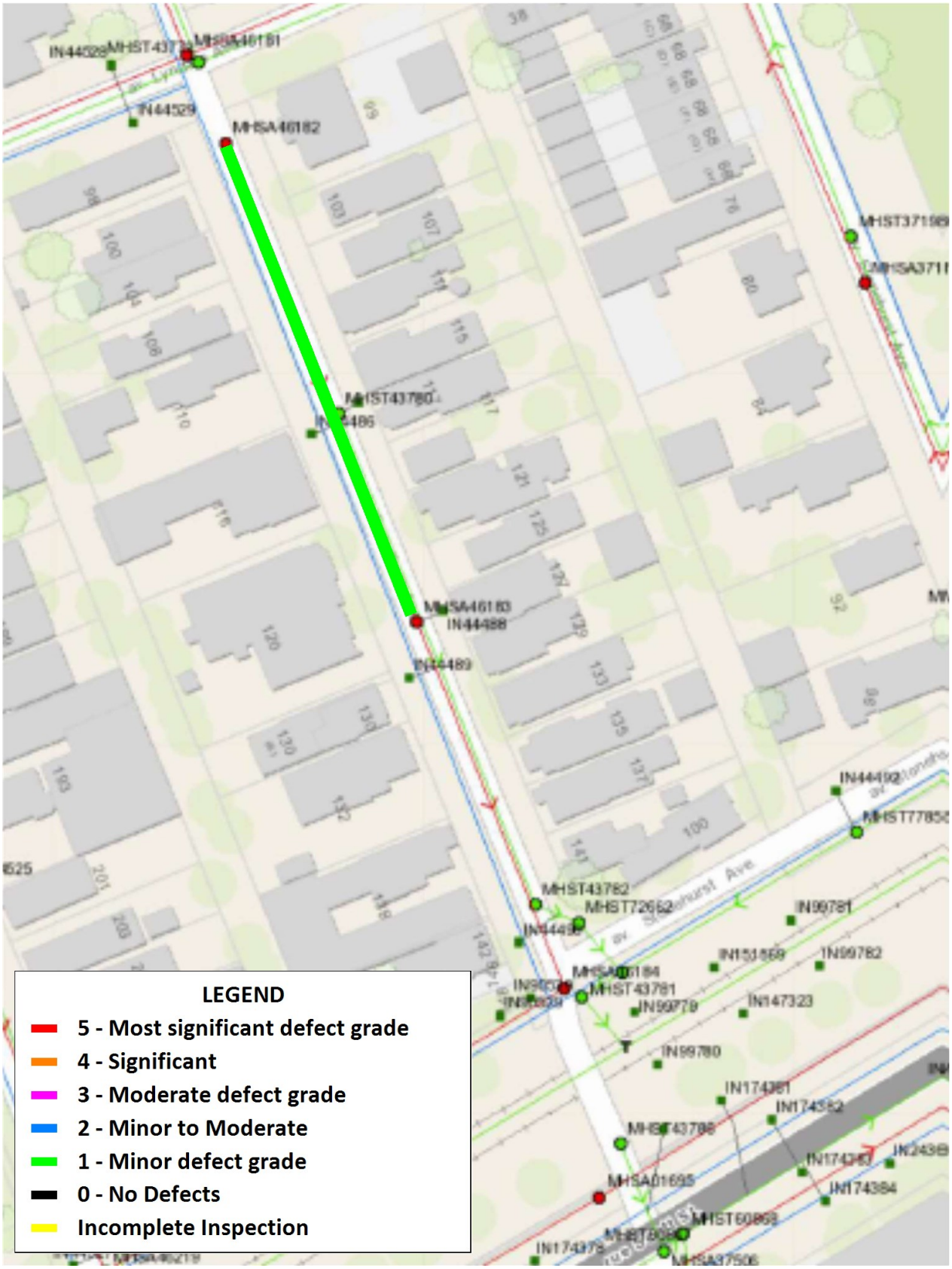
Structural rating

1 item

3 - Moderate defect grade (1 of 1 items)

Score	Quick	Index	Pipe	Upstream	Downstream	Street	Page
3	3100	3	SAN45072	MHSA46182	MHSA46183	CARRUTHERS AVE	9

O&M rating map



O&M rating

1 item

1 - Minor defect grade (1 of 1 items)

Score	Quick	Index	Structural	Pipe	Upstream	Downstream	Street	Page
1	1100	1	3	SAN45072	MHSA46182	MHSA46183	CARRUTHERS AVE	9

Pipe summary and condition details

AQUA-DRAIN PLUMBING SERVICES INC

Pipe identification

Pipe:	SAN45072
Direction of flow:	MHSA46182 --> MHSA46183
Direction of inspection:	Downstream

Pipe location

Road:	CARRUTHERS AVE
Crossroad:	LYNDALE AVE
Drainage Area:	
City:	Ottawa
Location:	Secondary roads
Location details:	
Owner:	
Road segment:	

UPSTREAM	DOWNSTREAM
Easting (X):	**Easting (X):**
Northing (Y):	**Northing (Y):**
Elevation (Z):	**Elevation (Z):**

GPS Accuracy:	
Coordinate System:	
Vertical Datum:	

Pipe location map

Pipe characteristics

Pipe Use:	Sanitary Sewage Pipe	**Surveyed Length:**	74.000
Height:	250	**Total length:**	74.5
Width:		**Joint length:**	
Shape:	Circular	**Rim/Inv.:**	
Material:	Polyvinyl Chloride	**Grade/Inv.:**	
Lining:		**Rim/Grade:**	
Coating Method:		**Rim/Inv.:**	
Year Constructed:		**Grade/Inv.:**	
Year renewed:		**Rim/Grade:**	

Additional details

Inspection standard:	PACP 7.0	**Surveyed by:**	David Taylor
Inspection Status:	Complete Inspection	**Certificate Number:**	U-0517-07007687
Date:	06/04/2026, 7:01 AM	**Reviewed By:**	
Project:		**Reviewer Certificate:**	
Customer:	Redline Architecture Inc	**Pre-Cleaning:**	No Pre-Cleaning
PO number:		**Date cleaned:**	
Work Order:	QUOTE # 9187	**Media Label:**	
Purpose:	Routine Assessment	**Unit of measurement:**	Metric
Weather:		**Sheet Number:**	
Flow control:	Not Controlled	**Additional information:**	PRE CONSTRUCTION
Used Technology:			

Structural rating		O&M rating		Overall rating		Failure	
Peak:	3	**Peak:**	1	**Peak:**	3	**Consequence:**	
Quick rating:	3100	**Quick rating:**	1100	**Quick rating:**	3111	**Likelihood:**	3.100
Score:	3	**Score:**	1	**Score:**	4	**Risk:**	
Index:	3.000	**Index:**	1.000	**Index:**	2.000		

Other information

Measured Distance:	74.5	**Information 6:**	
Information 2:		**Information 7:**	
Information 3:		**Information 8:**	
Information 4:		**Information 9:**	
Information 5:		**Information 10:**	

Pipe summary and condition details

Upstream
MHSA46182

Invert
NA

1 **0.00 m**

AMH - Manhole, MHSA46182

2 **0.00 m**

MWL - Miscellaneous Water Level, 5%

3 **1.00 m**

TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

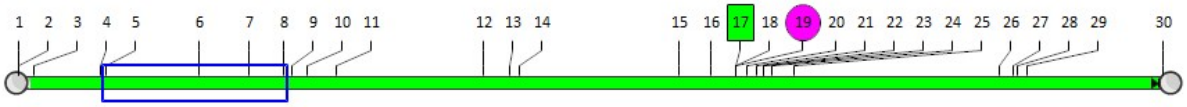
4 **5.30 m**

TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

Invert
NA

Downstream
MHSA46183

Pipe summary and condition details



◀ 2 / 8 ▶

Upstream
MHSA46182

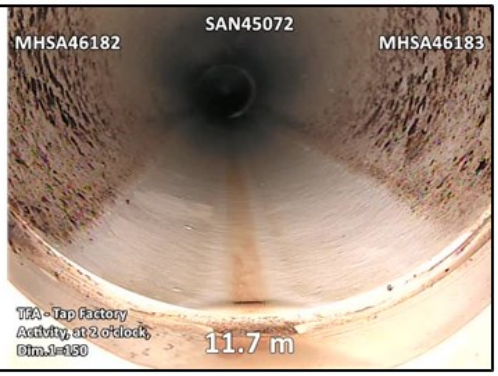
Invert
NA

5 **5.70 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

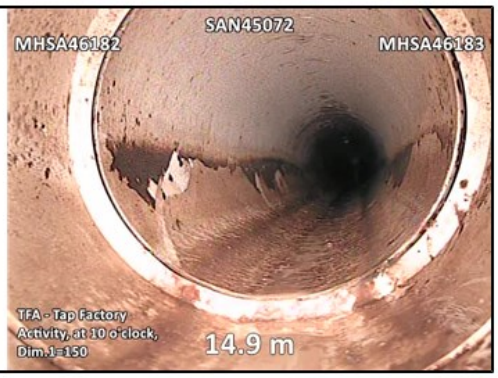
6 **11.70 m**

TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150



7 **14.90 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150



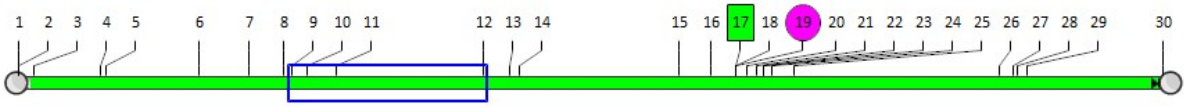
8 **17.20 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

Invert
NA

Downstream
MHSA46183

Pipe summary and condition details



◀ 3 / 8 ▶

Upstream
MHSA46182

Invert
NA

9 ↓ **17.70 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

10 ↓ **18.70 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

11 ↓ **20.60 m**

TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

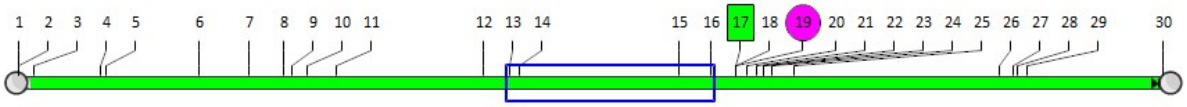
12 ↓ **30.10 m**

TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

Invert
NA

Downstream
MHSA46183

Pipe summary and condition details



◀ 4 / 8 ▶

Upstream
MHSA46182

Invert
NA

13 ↓ **31.80 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

14 ↓ **32.40 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

15 ↓ **42.70 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

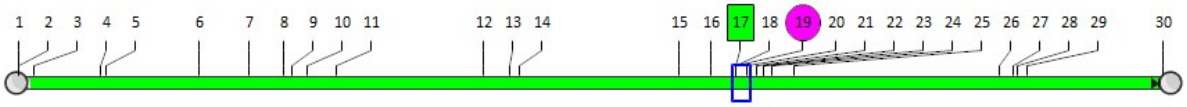
16 ↓ **44.80 m**

TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

Invert
NA

Downstream
MHSA46183

Pipe summary and condition details



◀ 5 / 8 ▶

Upstream
MHSA46182

Invert
NA

17 ↓ **46.40 m**

LRD - Line Right Down, 5%

18 ↓ **46.40 m**

MWL - Miscellaneous Water Level, 10%, SUMP

19 ↓ **46.40 m**

JSM - Joint Separated Medium

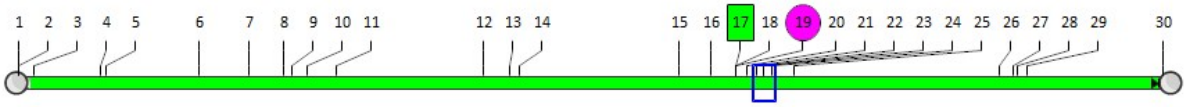
20 ↓ **47.10 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

Invert
NA

Downstream
MHSA46183

Pipe summary and condition details



◀ 6 / 8 ▶

Upstream
MHSA46182

Invert
NA

21 **47.70 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

22 **48.20 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

23 **48.20 m**

MWL - Miscellaneous Water Level, 15%

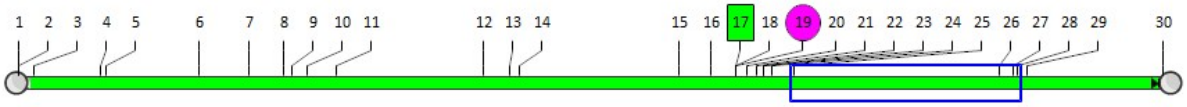
24 **48.70 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

Invert
NA

Downstream
MHSA46183

Pipe summary and condition details



◀ 7 / 8 ▶

Upstream
MHSA46182

Invert
NA

25 **50.20 m**

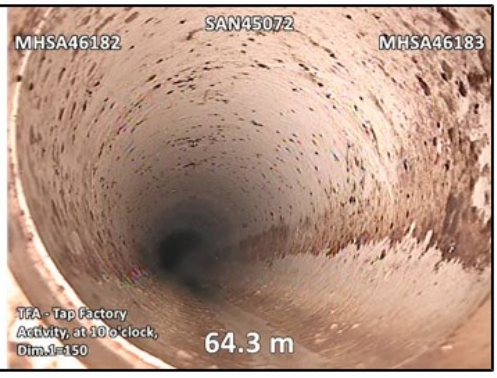
MWL - Miscellaneous Water Level, 5%, END OF SUMP

26 **63.40 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

27 **64.30 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150



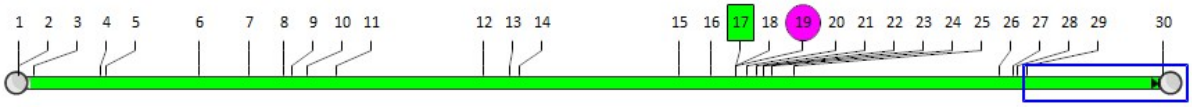
28 **64.60 m**

TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

Invert
NA

Downstream
MHSA46183

Pipe summary and condition details



◀ 8 / 8

Upstream
MHSA46182

Invert
NA

29 ⬇ 65.20 m

TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

30 ⬇ 74.00 m

AMH - Manhole, MHSA46183

Invert
NA

Downstream
MHSA46183

Pipe Pictures

AQUA-DRAIN PLUMBING SERVICES INC

Pipe identification

Pipe:	SAN45072	**Direction of inspection:**	MHSA46182 --> MHSA46183
Direction of flow:	MHSA46182 --> MHSA46183	**Direction:**	Direction of flow

#1 0.00 m
AMH - Manhole, MHSA46182

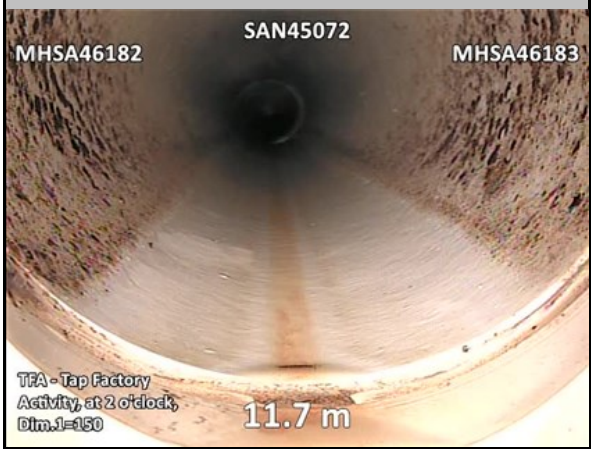
#2 0.00 m
MWL - Miscellaneous Water Level, 5%

#3 1.00 m
TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

#4 5.30 m
TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

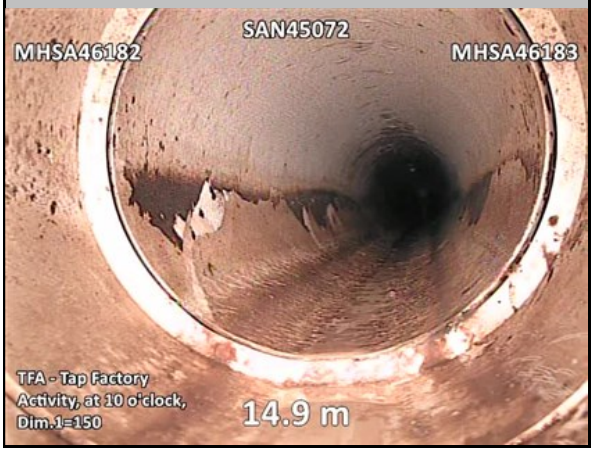
#5 5.70 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#6 11.70 m
TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150



Pipe Pictures

#7 14.90 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150



#8 17.20 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#9 17.70 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#10 18.70 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#11 20.60 m
TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

#12 30.10 m
TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

Pipe Pictures

#13 31.80 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#14 32.40 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#15 42.70 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#16 44.80 m
TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150

#17 46.40 m
LRD - Line Right Down, 5%

#18 46.40 m
MWL - Miscellaneous Water Level, 10%, SUMP

Pipe Pictures

#19 46.40 m
JSM - Joint Separated Medium

#20 47.10 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#21 47.70 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#22 48.20 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#23 48.20 m
MWL - Miscellaneous Water Level, 15%

#24 48.70 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

Pipe Pictures

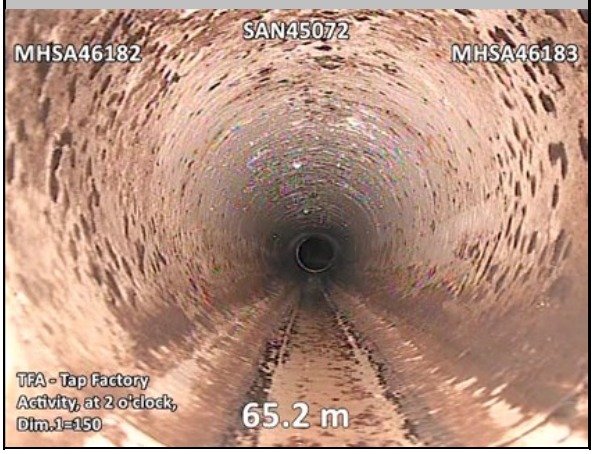
#25 50.20 m
MWL - Miscellaneous Water Level, 5%, END OF SUMP

#26 63.40 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#27 64.30 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

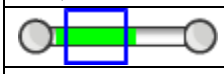
#28 64.60 m
TFA - Tap Factory Activity, at 10 o'clock, Dim.1=150

#29 65.20 m
TFA - Tap Factory Activity, at 2 o'clock, Dim.1=150



#30 74.00 m
AMH - Manhole, MHSA46183

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.
	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.

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