Orbital Underground Service Location Pty Ltd
69 Henderson Road, Sheldon, Queensland 4157
Tel. 1300 ORBITAL
jamieware@orbital.com.au

Project

Project name	
Project date	9/08/2022
Job End Date	9/08/2022

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		9/08/2022

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Project Information

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		9/08/2022

Contractor

Company:	Orbital Underground Service Location Pty Ltd
Responsible person:	Jamie Ware
Division:	
Street:	69 Henderson Road
City:	Sheldon, Queensland 4157
Phone:	1300 ORBITAL
Fax:	
Mobile:	
E-Mail:	jamieware@orbital.com.au

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Section Inspection - 9/08/2022 - LS163731

Date of inspection	Work Order No:	Region	Operator:	Section No:	Line Segment:
9/08/2022	**4196**	**Brisbane**	**Jamie Ware**	**1**	**LS163731**
Type of Sewer:	Type of Clean:	Direction of CCTV:	Year laid:	GIS length:	CCTV Insp length:
Gravity sewer	**Not cleaned**	**Upstream**		**14.00**	**12.05**

DS MH Street:		Sewer name:	**LS163731**	US MH:	**MH162**
Suburb/City:		Location Type:	**Backyard**	DS MH:	**MH162**
Inspection:	**Backyard**	Flow Control:	**No measures taken**	GIS Length:	
Dia/Height:	**150**	Shape:		Unit Pipe Length:	
Pipe Material:	**Salt Glazed Ware**	Lining Type:			
Lining Method:		Lining Material:			
NMA:		Secondary NMA:			
CCTV Frequency:		Overall condition:			
Remarks:					

1:111	m+	Code	Observation Text	MPEG	Photo	Score
MH162251						
	0.00	STMH	Start node, maintenance hole, Nodename:, MH162251	00:00:00	LS163731_2f00863f-889c-4e45	
	0.29	CMW	Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock	00:02:11	LS163731_fddb97a0-3fc1-423e	S 5
	1.81	CMW	Multiple/complex wall crack, at joint, width: 1mm from 4 o'clock to 5 o'clock	00:04:22	LS163731_bb5b977e-913a-46	S 5
	4.42	CMW	Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock	00:08:18	LS163731_4899ed5a-411c-4a	S 5
	5.90	RBWB	Roots, at joint at 5 o'clock	00:12:28	LS163731_21a34140-f995-4f1	M
	5.90	CMW	Multiple/complex wall crack, at joint, width: 3mm from 12 o'clock to 12 o'clock	00:12:31	LS163731_de50a039-b529-4b	S 5
	6.22	JNGO	Junction open, good workmanship, height: 100mm at 3 o'clock	00:13:18	LS163731_83d94429-23f5-42a	
	8.08	RBWB	Roots, at joint at 7 o'clock	00:16:11	LS163731_3d29be1c-a4cb-4ba	M
	8.08	CMW	Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock	00:16:35	LS163731_cb244404-ceb0-4cb	S 5
	8.86	CMW	Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock	00:17:54	LS163731_49a33510-9e99-41	S 5
	8.86	RBWB	Roots, at joint from 9 o'clock to 4 o'clock	00:18:19	LS163731_21168ccc-f882-41c8	M
	11.87	RBWB	Roots, 4) 20 - 40% of circumference, at joint from 12 o'clock to 12 o'clock	00:21:47	LS163731_fd38a73e-26f2-4cd0	M
	12.05	SAR	Inspection (survey) abandoned, roots	00:23:22	LS163731_6a814c10-38d4-40ef	
	14.00		End of pipe			
MH162252						

Structural defects					Constructional features				
Service and maintenance defects					Miscellaneous features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
6	5.0	2.1	2.1	2.0	4	0.0	0.0	0.0	1.0

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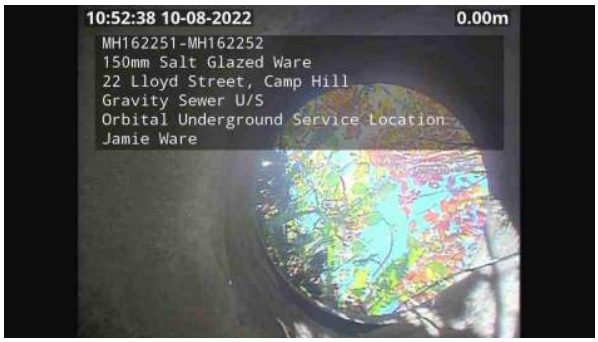
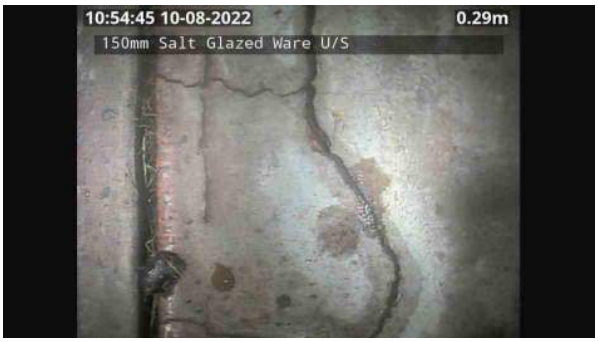
Section Pictures - 9/08/2022 - LS163731

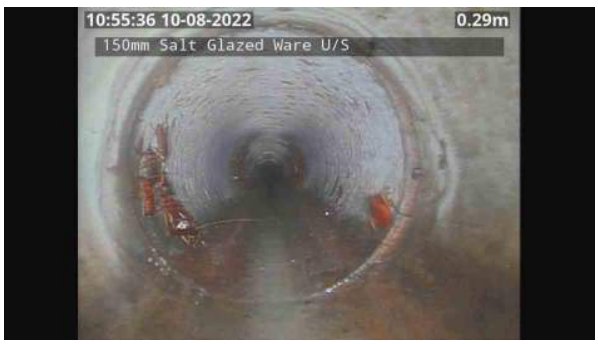
Street at DS MH	Suburb/Town	Date of inspection	Section No	Line Segment
		9/08/2022	**1**	**4196**



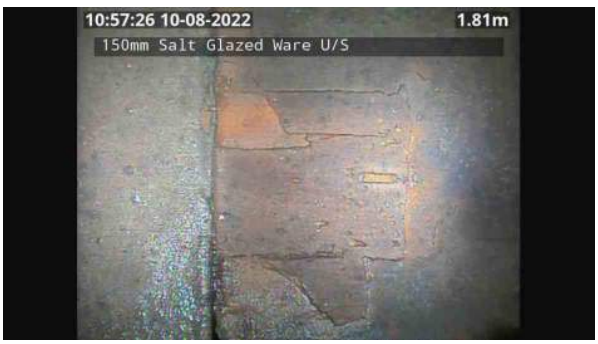
LS163731_2f00863f-889c-4e45-8962-94408b10f2db_20220809_105319_801.jpg, 00:00:00, 0.00
Start node, maintenance hole, Nodename:, MH162251



LS163731_fddb97a0-3fc1-423e-b3a3-909baecc66eb_20220809_105554_951.jpg, 00:02:11, 0.29
Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock



LS163731_ab50eb80-27a0-4926-8f2f-b0f3958cb291_20220809_105617_788.jpg, 00:02:11, 0.29
Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock



LS163731_bb5b977e-913a-4611-ab69-9c9242840279_20220809_105844_999.jpg, 00:04:22, 1.81
Multiple/complex wall crack, at joint, width: 1mm from 4 o'clock to 5 o'clock

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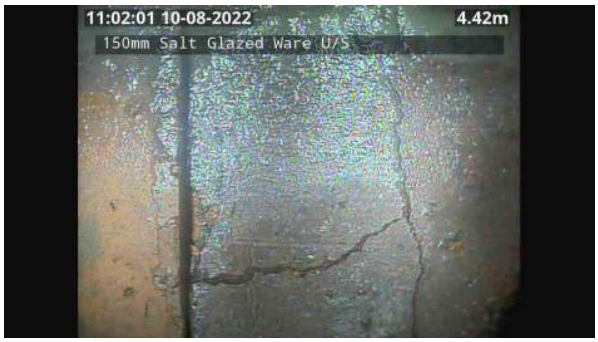
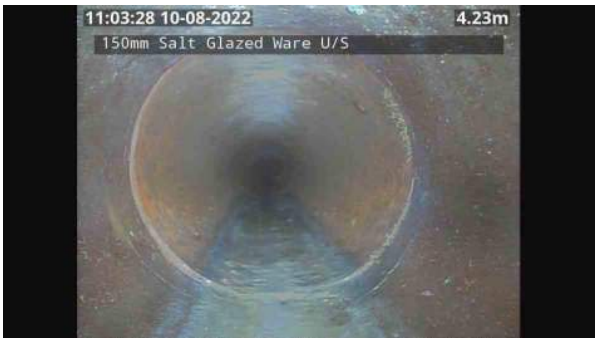
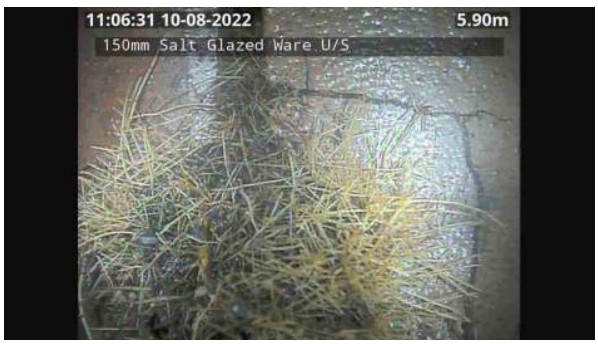


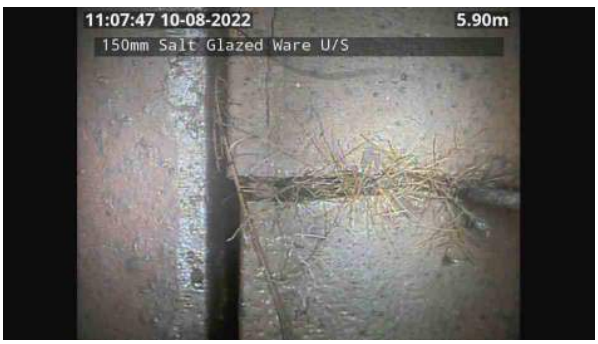
LS163731_4899ed5a-411c-4a0a-9496-ef50f0c96574_20220809_110301_328.jpg, 00:08:18, 4.42
Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock



LS163731_d6ff81f3-369f-4d07-92b9-8a8a29aaa666_20220809_110410_133.jpg, 00:08:18, 4.42
Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock



LS163731_21a34140-f995-4f12-b6d7-3720422e5b05_20220809_110746_244.jpg, 00:12:28, 5.90
Roots, at joint at 5 o'clock



LS163731_de50a039-b529-4bd8-950f-8886be089dc2_20220809_110829_076.jpg, 00:12:31, 5.90
Multiple/complex wall crack, at joint, width: 3mm from 12 o'clock to 12 o'clock

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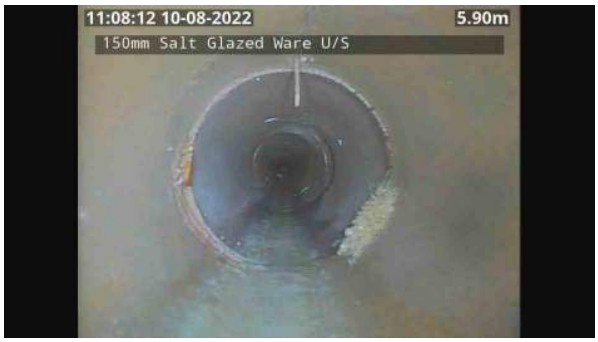
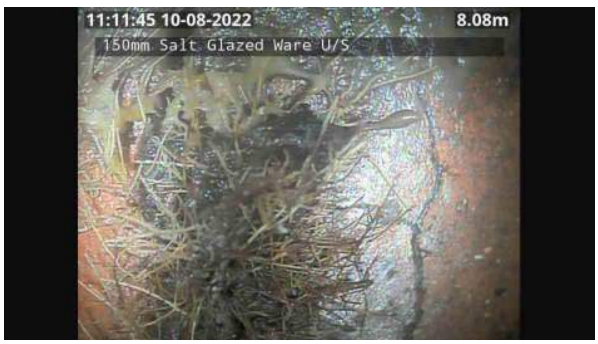
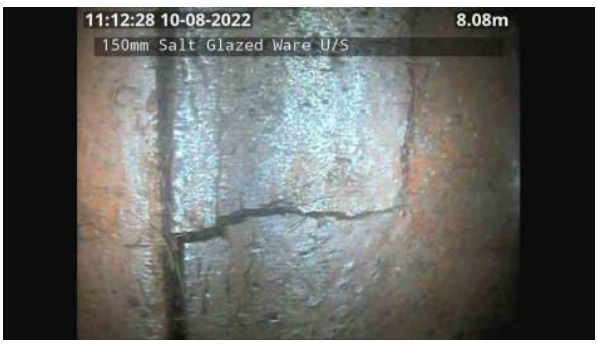


LS163731_33b182b9-f80b-4f3e-a7dc-07076401cc72_20220809_110854_610.jpg, 00:12:31, 5.90
Multiple/complex wall crack, at joint, width: 3mm from 12 o'clock to 12 o'clock

LS163731_83d94429-23f5-42aa-b19c-17e06b1a1b28_20220809_110932_065.jpg, 00:13:18, 6.22
Junction open, good workmanship, height: 100mm at 3 o'clock



LS163731_3d29be1c-a4cb-4ba1-a4ee-8e62a1ced634_20220809_111243_413.jpg, 00:16:11, 8.08
Roots, at joint at 7 o'clock



LS163731_cb244404-ceb0-4cba-91de-627f381839de_20220809_111331_281.jpg, 00:16:35, 8.08
Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock

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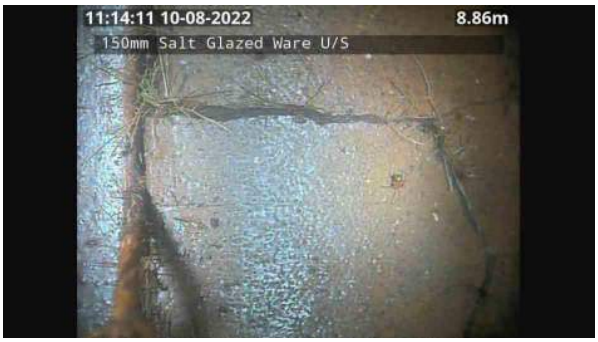
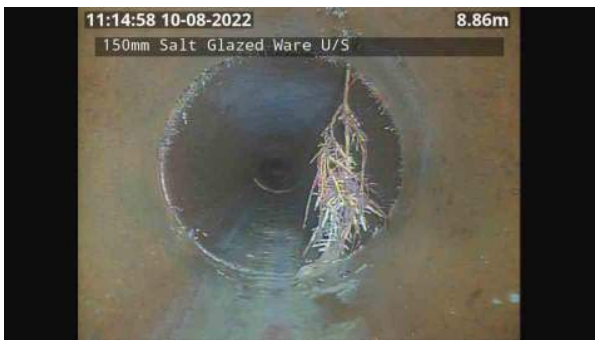
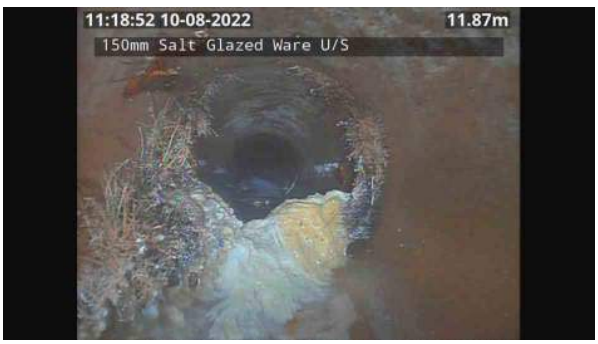
LS163731_d0ede370-bea8-4cd3-9b08-c4b84951a1a0_20220809_111356_762.jpg, 00:16:35, 8.08
Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock



LS163731_49a33510-9e99-411f-b144-f42570773bad_20220809_111513_323.jpg, 00:17:54, 8.86
Multiple/complex wall crack, at joint, width: 2mm from 12 o'clock to 12 o'clock



LS163731_21168ccc-f882-41c8-9dfa-e703e0e8c54c_20220809_111603_193.jpg, 00:18:19, 8.86
Roots, at joint from 9 o'clock to 4 o'clock



LS163731_fd38a73e-26f2-4cd0-b5c9-9c1e3bfb4db0_20220809_112002_539.jpg, 00:21:47, 11.87
Roots, 4) 20 - 40% of circumference, at joint from 12 o'clock to 12 o'clock

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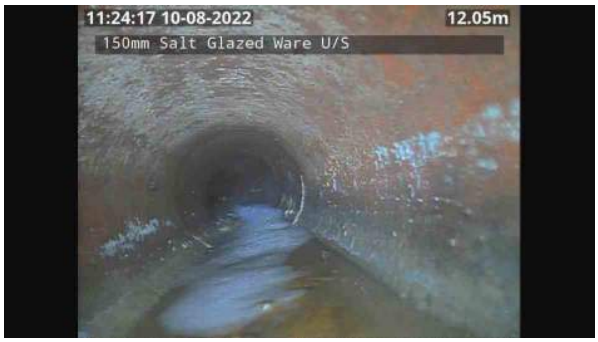

LS163731_6a814c10-38d4-40ef-92d2-83ad5aeb70b3_20220809_112459_498.jpg, 00:23:22, 12.05
Inspection (survey) abandoned, roots

WinCan

Notes:

Thank you for choosing to use WinCan to carry out your drainage investigation works.

The results and views carried in this report are those of the engineer(s) appointed to carry out the investigation and are considered relevant on the day of the survey. Drain and sewer performance is known to alter over time, so liability cannot be accepted for differences between the recorded data and the actual data at a time after this report was generated.

This survey has been created in accordance with the drainage standard used in the country and language settings for this PC.

If a DVD has been supplied with this report, please not that it can only be used in a Windows based PC. Please browse the DVD and navigate to the PDF folder to find project-based documents such as drawings, engineer's site notes and survey specifications amongst others.

CCTV subsidence investigations do not account for the water tightness of the pipes and are merely a visual inspection of inside of the drains. CCTV drainage engineers are generally not qualified to comment on the causes of subsidence, and can only suggest required remedial actions for the pipes, and not the affected buildings.

Subsidence is a building structural failure, which can occur for many reasons. Although drainage failures can contribute to subsidence problems, other causes should always be investigated as part of a considered approach. In order to eliminate drains from suspicion, WinCan suggests that all pipes within at least 10m of the subsidence area be pressure tested over and above a CCTV inspection, and remedial suggestions considered based on the findings.

Unless otherwise specified in an associated task order (or similar), the data gathered in this report may not be suitable for use as a pre-lining investigation. WinCan are happy to carry out such surveys, but this must be agreed prior to the commencement of the works, and a the client must specify the data they wish to capture and the acceptable tolerances.

Where GPS coordinates and heights have been issued within this report, they are to 1m accuracy, and 2m accuracy for heights. Greater accuracy can be provided on request.