

## RE: Charlesworth St

**From:** Tom Haines-Sutherland <tom.haines-sutherland@mornpen.vic.gov.au>  
**To:** "Lloyd, Tim" <tim.lloyd@sew.com.au>, Luke Jackson <luke.jackson@mornpen.vic.gov.au>, Derek Rotter <derek.rotter@mornpen.vic.gov.au>, "McCreesh, Declan" <declan.mccreesh@sew.com.au>, "Ramamurthy, Prerna" <prerna.ramamurthy@sew.com.au>, Emily Harkin <emily.harkin@mornpen.vic.gov.au>, "Tully, Julian" <julian.tully@sew.com.au>  
**Date:** Thu, 30 Jan 2025 14:03:56 +1100  
**Attachments:** RE: Charlesworth St (1.19 MB)

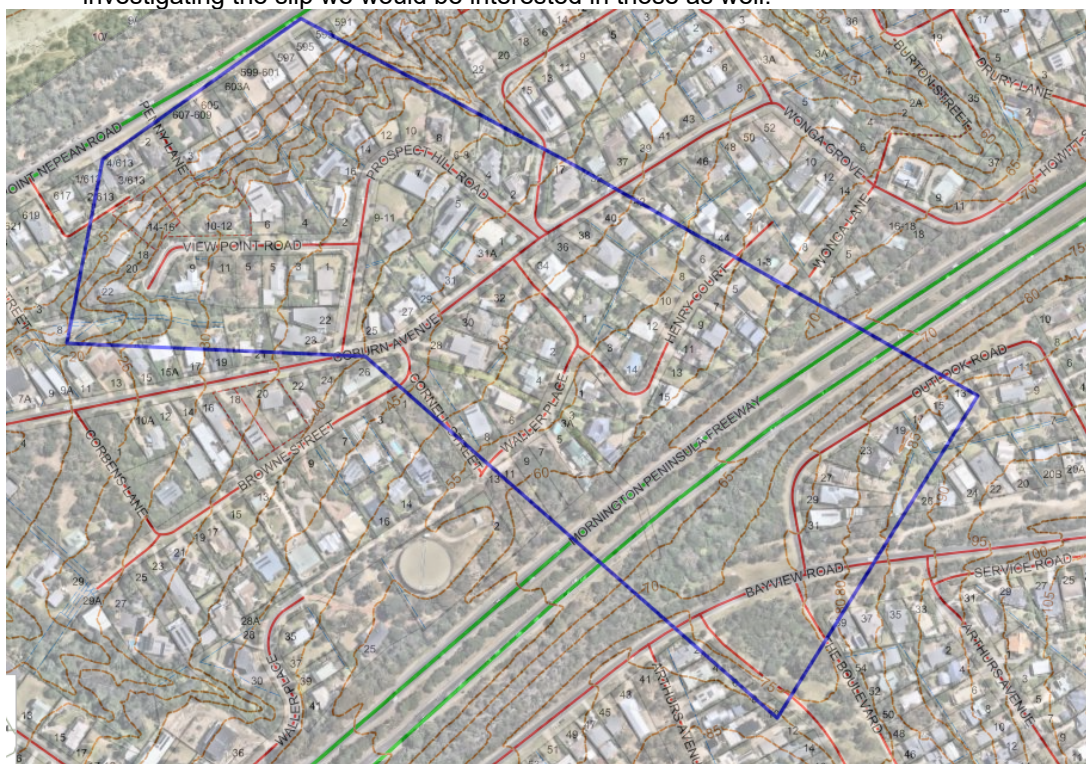
Hi Tim

Thanks for the update on the investigation trench and your email attached seeking clarification on the info requested. Regarding the burst main – it sounds like it was repaired a month or so ago. If it did contribute in some way to the increased groundwater in the area at the time, is it possible that the flow/saturation would dissipate from the top of Charlesworth St at about this time? While the flow appears to have reduced slightly, the water is still at the surface of Coburn Av and the nearby nature strip which is around 7m lower elevation and less than 100m from where SEW's trench was located. This and the other observations shared at our meeting suggest that there is significant water in or around the trenches further downstream. It is also possible that the water in the sewer trenches and surrounding areas is just natural groundwater too. We do not have the information that would help us to determine that though. Does SEW have information on the following to assist in tracking the movement of water in this area?

- Estimate of flow rate through the sewer trenches (loose pipe bedding)
- Estimate of flow rate through the undisturbed ground in this area
- Information on the burst main including date of burst, date of repair and estimate of volume discharged

To clarify the information requested yesterday:

- In relation to camera footage, I presume this is CCTV on the sewer?
  - Yes
- What is the extent of the catchment area "above the landslide"? Can you outline this on the plan shown?
  - Area of interest is shown on the map below. If you have testing or CCTV results from outside of this area but related to investigating the slip we would be interested in those as well.



Could you please also advise whether the sewer running between Prospect Hill Rd and The Eyrie (map below) runs north through gravity or is pumped south?

- MPS water chemistry results from the slip site and Charlesworth St
- A summary of customer requests to MPS from November 2024 reporting groundwater or other water issues

Best



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Tom,

Tim

Tom,

Thanks for this. My team also walked the area to take a look at the direction of travel of the late December burst, which I believe your arrows suggest predominately seemed to flow in the direction of the capture

basin and the storm drains in that area. We have some footage from the patrol we undertook and the sand pathway left by the water is still very clear. The burst main was also of short in duration.

I still await the latest information from my team but early reports suggested that the volume of water entering under & around the sewer track at a depth of around 2.5m at Charlesworth and Waller is very small, "less than a running tap", and there was even less water higher up in the excavation. I am not a Hydrologist but this suggests to me that the water flow in the area is a range of issues, and certainly not from that track alone.

**Were you proposing to take any other exploratory excavations in that area?** If so please let me know.

I was contacted by one of the residents yesterday who told me that the water emerging directly from the landslip area had increased, and that the water at the junction of Prospect Hil / Crescent (No 7 and 14) was no longer running clear but was cloudy. There was a very high level of frustration at what he said was an apparent "lack of progress" and "no one taking ownership". I understand their frustration, its clear they don't know who to turn to for help at this time.

Let me know how you want to proceed next.

Thanks

Tim

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**From:** Tom Haines-Sutherland [tom.haines-sutherland@mornpen.vic.gov.au](mailto:tom.haines-sutherland@mornpen.vic.gov.au)>

**Sent:** Tuesday, 28 January 2025 5:16 PM

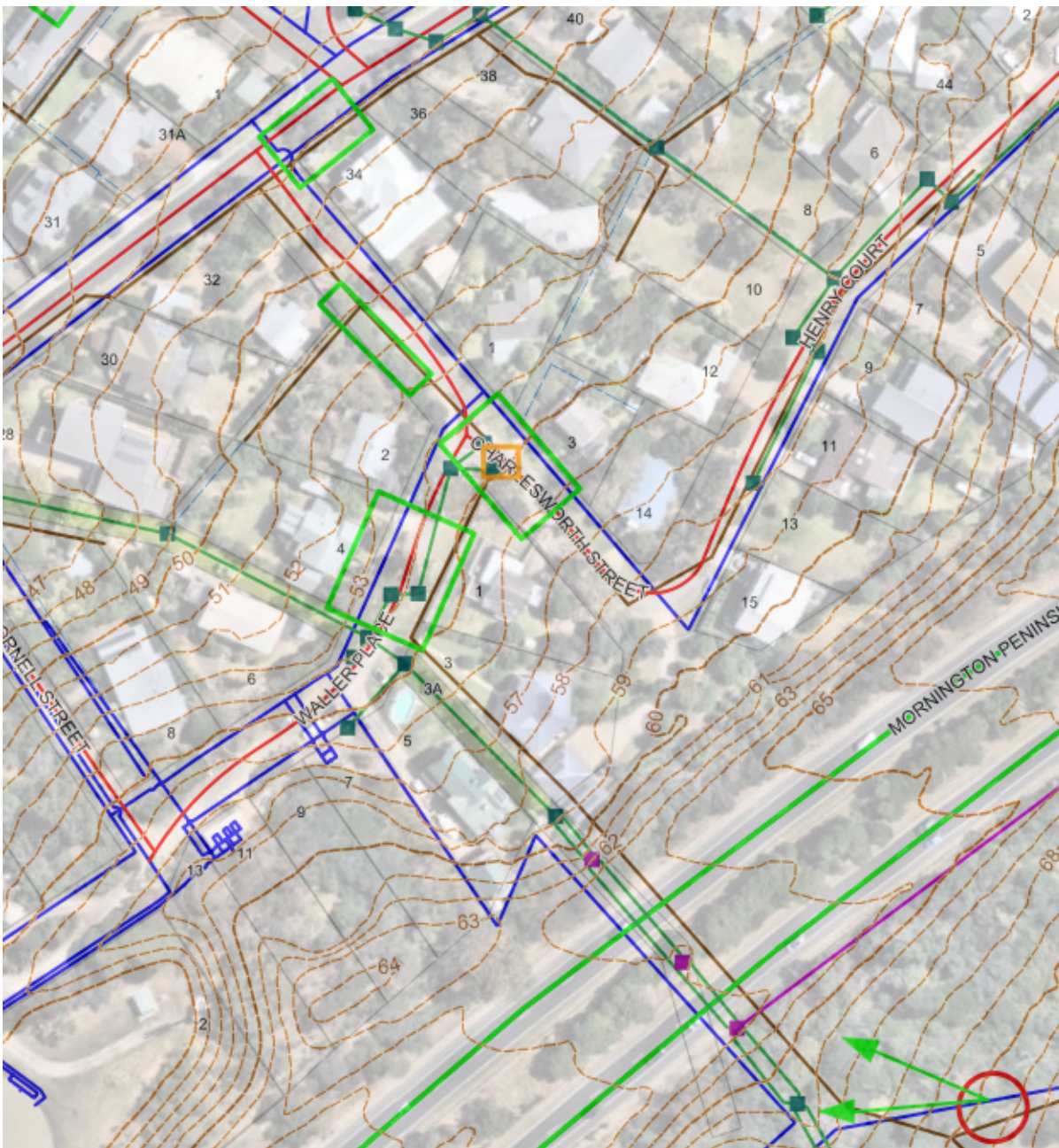
**To:** Lloyd, Tim [Tim.Lloyd@sew.com.au](mailto:Tim.Lloyd@sew.com.au)>; Luke Jackson [Luke.Jackson@mornpen.vic.gov.au](mailto:Luke.Jackson@mornpen.vic.gov.au)>; Derek Rotter [derek.rotter@mornpen.vic.gov.au](mailto:derek.rotter@mornpen.vic.gov.au)>; McCreesh, Declan [Declan.McCreesh@sew.com.au](mailto:Declan.McCreesh@sew.com.au)>; Ramamurthy, Prerna [Prerna.Ramamurthy@sew.com.au](mailto:Prerna.Ramamurthy@sew.com.au)>; Emily Harkin [Emily.Harkin@mornpen.vic.gov.au](mailto:Emily.Harkin@mornpen.vic.gov.au)>

**Subject:** RE: Charlesworth St

Hi All

Thanks for your time last Thursday and your prompt action to investigate these issues. Please find the map of site observations that we talked through below.





#### Legend:

- Green boxes – current or recent saturated areas
- Orange box – agis installed to divert water into adjacent drain
- Red circle with green arrows – SEW main burst and visible flow path
- Brown lines – sewer
- Blue lines – SEW mains
- Dark green lines and squares – MPS drains
- Pink lines and squares – DTP drains
- Red lines – MPS roads

We have also received a request from the Shire's geotechnical engineer for the following information on SEW assets in the catchment area above the landslide. Could you please send this through?

- Any camera footage of asset inspections
- Results of pressure testing and water chemistry testing

Best

**TOM HAINES-SUTHERLAND** (he/him) | Manager - Infrastructure Services

Email: [tom.haines-sutherland@mornpen.vic.gov.au](mailto:tom.haines-sutherland@mornpen.vic.gov.au)

Phone: 03 5950 1287 |

**I&S**

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-----Original Appointment-----

**From:** Lloyd, Tim [Tim.Lloyd@sew.com.au](mailto:Tim.Lloyd@sew.com.au)>

**Sent:** Wednesday, January 22, 2025 7:11 PM

**To:** Lloyd, Tim; Tom Haines-Sutherland; Luke Jackson; Derek Rotter; McCreesh, Declan; Ramamurthy, Prerna

**Subject:** Charlesworth St

**When:** Thursday, 23 January 2025 9:15 AM-10:15 AM (UTC+10:00) Canberra, Melbourne, Sydney.

**Where:** Microsoft Teams Meeting; Meeting Room L1-06 (8 people) Teams Enabled

-----Original Appointment-----

**From:** Lloyd, Tim [Tim.Lloyd@sew.com.au](mailto:Tim.Lloyd@sew.com.au)>

**Sent:** Wednesday, January 22, 2025 5:43 PM

**To:** Lloyd, Tim; Derek Rotter; McCreesh, Declan; Ramamurthy, Prerna

**Subject:** Charlesworth St

**When:** Thursday, 23 January 2025 9:15 AM-10:15 AM (UTC+10:00) Canberra, Melbourne, Sydney.

**Where:** Microsoft Teams Meeting; Meeting Room L1-06 (8 people) Teams Enabled

Catch up to discuss issues at Charlesworth Street, McCrae

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