

From: **"Mochrie, Paul"**

To: **"Direct to Mayor and Council - DL"**

Date: 1/23/2024 5:56:16 PM

Subject: False Creek seawall - temporary detour

Attachments: Seawall Detour - 2023-01-23-PDF-B-11x17.pdf

---

Good afternoon Mayor and Council,

We are writing to alert you to an evolving structural situation on False Creek seawall.

The Cambie sheetpile wall (the wall) is located between Cambie Bridge and Habitat Island (see Figure 1 and 2 below for location and extents). The deteriorating condition of the wall may potentially lead to public safety concerns. City's structural consultant has recommended that a seawall detour is implemented as soon as possible to mitigate this potential risks.

### **Background information**

- The wall is in very poor condition. It consists of steel panels with horizontal soil anchors. The wall is meant to retain the soil along the shoreline.
- An aging combined sewer outfall also runs through the wall (see Figure 2).
- Replacement of the wall was flagged as a priority during the last capital plan process. Funding was not available as other emerging infrastructures needs were prioritized.
- In recent years, additional fencing was installed to keep people out of the risk area and to limit more weight that may exacerbate the issue. Engineering's risk management plan up until now has been mainly to monitor the structure. A recent assessment of the wall by the marine structural consultant has concluded that monitoring is no longer sufficient.

### **Next steps**

- Immediate Action: Crews have implemented a detour from the seawall onto 1<sup>st</sup> Avenue (see attached detour map) utilizing existing sidewalks. Corporate communications has been working with the team on the appropriate messaging should we receive any public inquiries.
- Near Term: Staff will work to replace the temporary detour with a realignment of the seawall pathway to the south (there is a City owned parcel directly south of the existing alignment)
- Engineering will also initiate work to more permanently address risks associated with the existing wall.



Fig. 1 – Cambie sheetpile wall: approximate area of concern shown in red

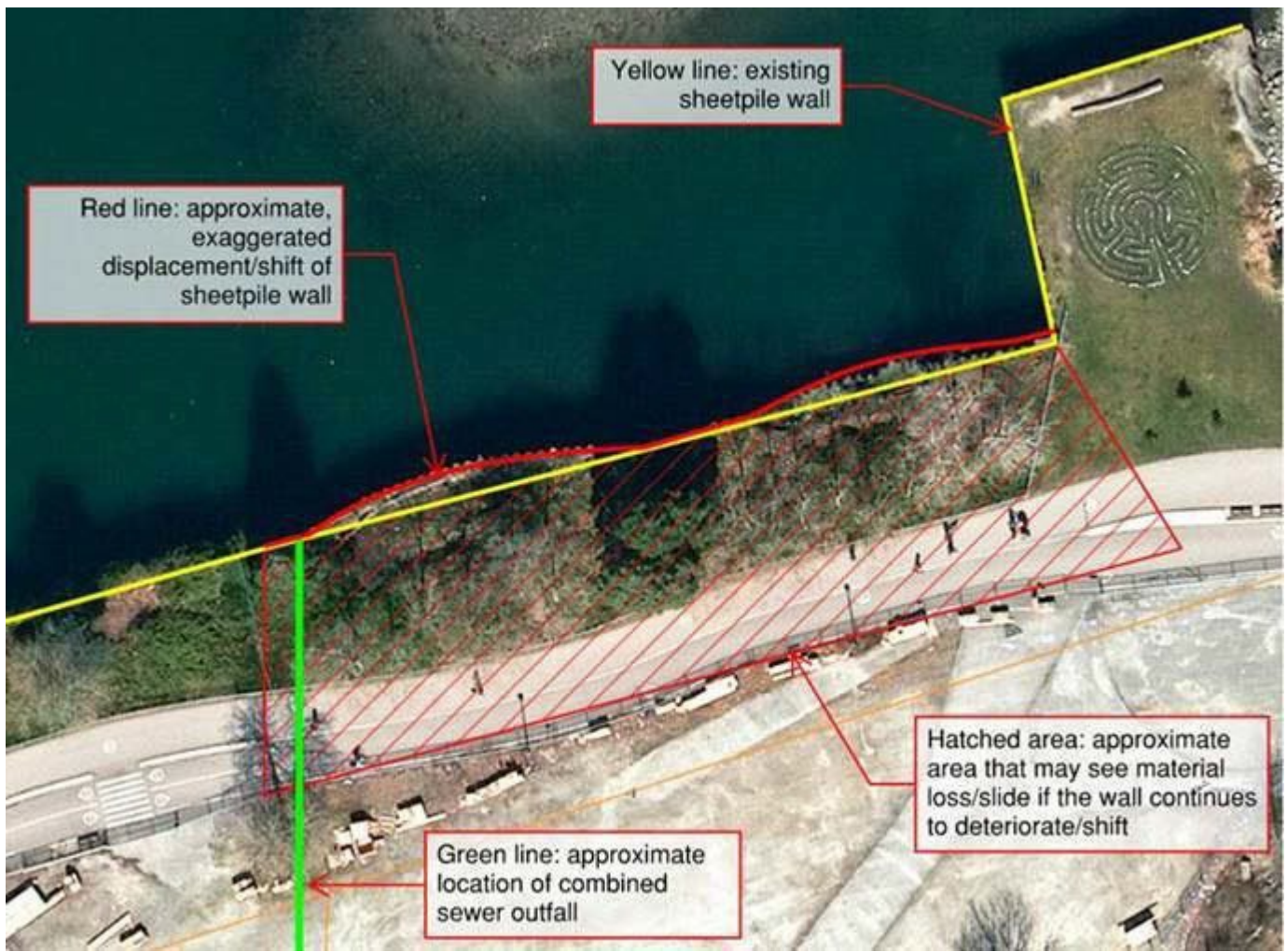


Fig. 2 – Site specifics and approximate extent of impact (to be confirmed by City's consultant)

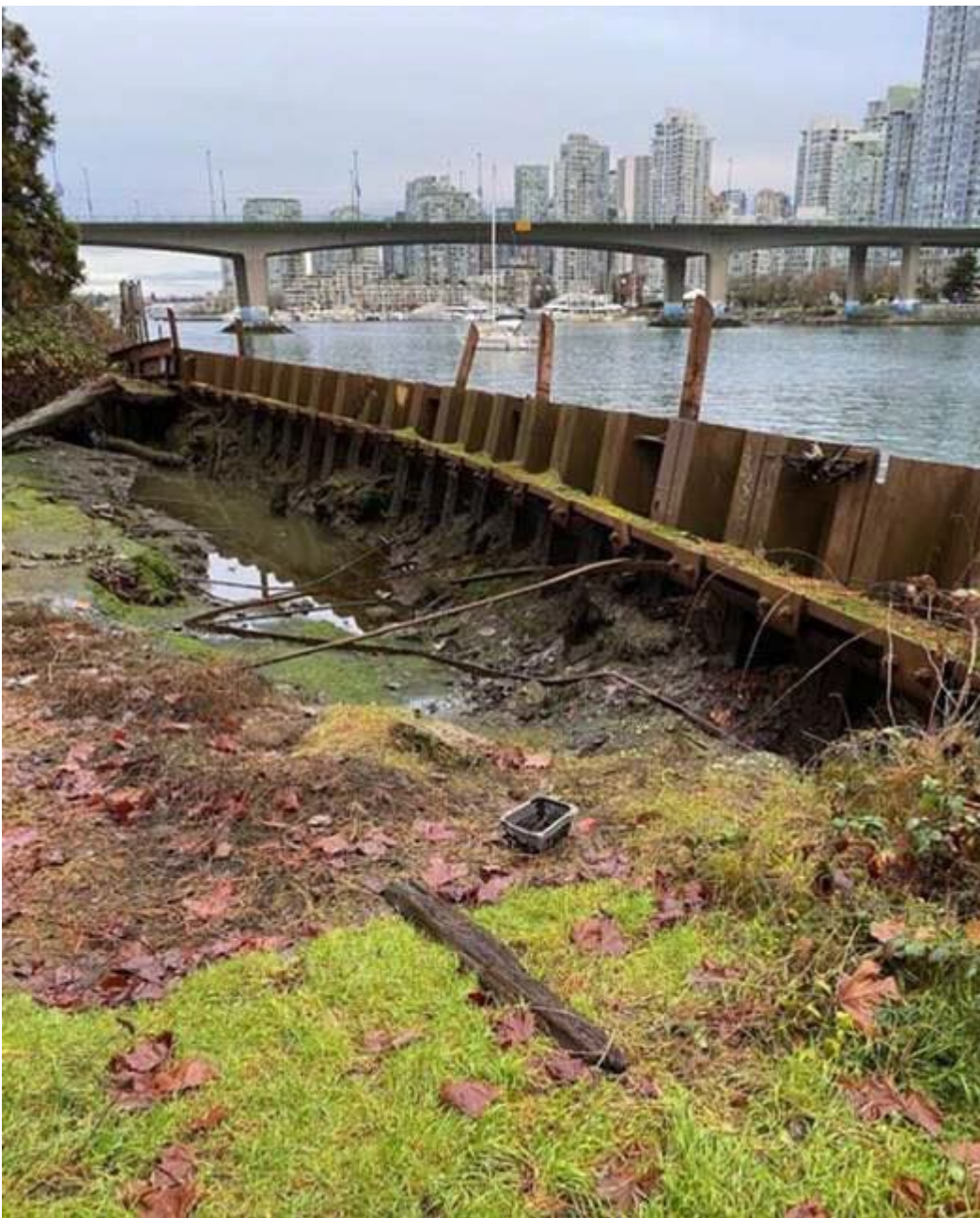


Fig. 3 – Existing condition of the wall

Please contact Lon LaClaire if you have any additional questions.

Best,  
Paul

**Paul Mochrie** (he/him)  
City Manager  
City of Vancouver



The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the x<sup>w</sup>məθkɿγəm (Musqueam), Sḥwx̱Áwú7mesh (Squamish), and səilwətaʔ (Tsleil-Waututh) Nations.



- █ SEAWALL CLOSURE
- - - DETOUR ON TEMPORARY SEPARATED FACILITY  
W 1ST AVENUE CLOSED TO VEHICLES FROM  
COLUMBIA ST TO WYLIE
- - - DETOUR ON EXISTING SHARED FACILITY  
W 1ST AVENUE OPEN TO VEHICLES FROM  
WYLIE ST TO SPYGLASS PLACE
- ↗ PERMITTED VEHICLE MOVEMENTS

CHECKER


**ENGINEERING SERVICES**  
**TRANSPORTATION DIVISION**  
 SITE INSTRUCTIONS  
 SEAL NOT REQUIRED

**CAMBIE SHEET PILE WALL  
SEAWALL DETOUR**

|            |            |               |  |  |  |   |
|------------|------------|---------------|--|--|--|---|
| N/A        | 2024-01-23 | I.F.C.        | GN   | GN   |  |   |
| REV        | DATE       | DWG VANDOCs # | STATUS   | SUPERVISOR   | DESIGNER   | DRAFTER   |
|            |            |               |  |  |  |   |
|            |            |               | BIKE FACILITIES<br>YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | BUS ROUTE<br>YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | TRUCK ROUTE<br>YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | RAILWAY CROSSING<br>YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| REFERENCES |            |               |  | SCALE<br>NTS   | SHEET SET<br>1 OF 1  | FORM 1 / W.R. VANDOCs #   |