

## Drain/Sanitary Mainline Replacement Report.

### Esquimalt – Phase 1

#### **Storm Mainlines:**

1.

- Mainline ID: **DGM0922**
- Location: **1102 – 1124 Esquimalt Rd.**
- Mainline Length: **28.51**
- Pipe Diameter: **150mm**
- Pipe Average Depth: **2.08m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
  - **Spot Repair: 10.0m (East) from DMH0611**

2.

- Mainline ID: **DGM0043**
- Location: **Lampson St. / Esquimalt Rd. Intersection**
- Mainline Length: **17.00m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.28m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
  - **Spot Repair: 2.0m (South) from DMH0032**

3.

- Mainline ID: **DGM0044**
- Location: **1080 - 1098 Esquimalt Rd.**
- Mainline Length: **89.10m**
- Pipe Diameter: **150mm**
- Pipe Average Depth: **1.21m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
  - **Spot Repairs:**
    - **2.0m – 19.0m (East) from DMH0032**
    - **30.0m – 40.0m (East) from DMH0032**
    - **34.1m (West) from DMH0069**
    - **6.2m (West) from DMH0069**
- Notes:
  - **1 Catch basins (CB0178) to be restored.**

4.

- Mainline ID: **DGM0916**
- Location: **948 Esquimalt Rd.**
- Mainline Length: **19.90m**
- Pipe Diameter: **300mm**
- Pipe Average Depth: **1.63m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
  - Spot Repair 17.9m (Northwest) from DMH0420

5.

- Mainline ID: **DGM1186**
- Location: **948 Esquimalt Rd.**
- Mainline Length: **21.30m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **2.12m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
  - Spot Repair 22.7m (Northeast) from DMH0420
- Notes:
  - **3 Catch basins (CB0181, CB0182, CB0180) to be restored.**

6.

- Mainline ID: **DGM0314**
- Location: **900-912 Esquimalt Rd.**
- Mainline Length: **108.10m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.54m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:

**Spot Repairs:**

  - 69.5m – 72.00m (Southwest) from DMH0539
  - 37.0m – 51.0m (Southwest) from DMH0539
- Notes:
  - **1 Catch basin (CB0183) to be restored.**

## **Sewer Mainlines**

1.

- Mainline ID: **SGM0904**
- Location: **1105 – 1113 Esquimalt Rd.**
- Mainline Length: **51.40m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **3.48m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:  
**Spot Repair: 26.4m (East) from SMH0363**

2.

- Mainline ID: **SGM0066**
- Location: **1027 Esquimalt Rd. – 559 Lampson St.**
- Mainline Length: **121.59m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **2.56m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP) - Relined**
- Potential Method of Replacement:  
**Spot Repairs:**
  - **21.0m - 23.0m (East) from SMH0058**
  - **45.5m (West) from SMH0365**

3.

- Mainline ID: **SGM0657**
- Location: **969 Esquimalt Rd.**
- Mainline Length: **24.40m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.78m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
  - **Pipe Burst: Manhole to Manhole – (SMH0606 – SMH0367)**
- Length of Replacement: **24.40m**

4.

- Mainline ID: **SGM0584**
- Location: **943 – 965 Esquimalt Rd.**
- Mainline Length: **76.70m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.88m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
  - **Pipe Bursting: Manhole – Manhole (SMH0367 – SMH0368),  
Restore 1 service connection (SLC0609)**
- Length of Replacement: **76.70m**

5.

- Mainline ID: **SGM0659**
- Location: **929 – 941 Esquimalt Rd.**
- Mainline Length: **66.40m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **2.55m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:  
**Spot Repairs:**
  - **4.0m – 15.0m (Southwest) from SMH0369**
  - **30.0m – 34.5m (Southwest) from SMH0369**

6.

- Mainline ID: **SGM0812**
- Location: **929 Esquimalt Rd.**
- Mainline Length: **19.10m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **2.82m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:  
**Spot Repairs:**
  - **7.7m (Northeast) from SMH0369**
  - **16.2m (Northeast) from SMH0369**

7.

- Mainline ID: **SGM0852**
- Location: **901 – 925 Esquimalt Rd.**
- Mainline Length: **77.0m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **3.40m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP) - Relined**
- Potential Method of Replacement:
  - **Pipe Bursting: Manhole – Manhole (SMH0607 – SMH0609),  
Close Proximity to BC Hydro High Voltage Line  
Restore 3 service connections (SLC0614, SLC0612, SLC0613)**
- Length of Replacement: **77.0m**

7.

- Mainline ID: **SGM0375**
- Location: **841 – 873 Esquimalt Rd.**
- Mainline Length: **133.40m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **3.00m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP) - Relined**
- Potential Method of Replacement:
  - **Spot Repair: 11.4m (Southwest) from SMH0192**

8.

- Mainline ID: **SGM1045**
- Location: **803 – 817 Esquimalt Rd.**
- Mainline Length: **77.25m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **2.8m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP) - Relined**
- Potential Method of Replacement:
  - **Pipe Bursting: Manhole – Manhole (SMH0612 – SMH0613),  
Restore 6 service connections (SLC0567, SLC0570, SLC0522, SLC0568,  
SLC0571, SLC2941)**
- Length of Replacement: **77.25m**
- Notes:
  - Replace cone Manhole (SMH0613) to standard MMCD Manhole barrel.
  - Replace cone Manhole (SMH0724) to standard MMCD Manhole barrel.
    - This will capture Multiple Fractures on SGM0196 - 0.8m (North) from SMH0724

9.

- Mainline ID: **SGM0538**
- Location: **802 Esquimalt Rd.**
- Mainline Length: **51.20m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **2.74m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
  - Replace cone Manhole (SMH0152) to standard MMCD Manhole barrel.
  - This will capture Multiple Fractures / Roots medium Barrel on SGM0538 - 0.9m – 1.2m (Southeast) from SMH0152

