

Drain/Sanitary Mainline Replacement Report.

Esquimalt – Phase 2

Storm Mainlines:

1.

- Mainline ID: **DGM0649**
- Location: **1405 Esquimalt Rd.**
- Mainline Length: **11.20m**
- Pipe Diameter: **300mm**
- Pipe Average Depth: **1.65m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Full Re & Re – Maintaining invert, Upsize to 375mm PVC**
- Length of Replacement: **11.20m**

2.

- Mainline ID: **DGM0650**
- Location: **1405 Esquimalt Rd.**
- Mainline Length: **96.50m**
- Pipe Diameter: **300mm**
- Pipe Average Depth: **1.80m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Pipe Bursting 0.0 - 66.0m (East) from DMH0429,**
 - **Spot Repair 5.0m (West) from DMH0451.**
- Notes:
 - **Potentially still good condition 5.0m 32.0m (West) from DMH0451 – Please confirm with CCTV.**
 - **Restore 3 Catch basins (CB0483, CB0481, CB0479)**

3.

- Mainline ID: **DGM0648**
- Location: **1405 Esquimalt Rd.**
- Mainline Length: **97.70m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.60m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - Spot Repairs:**
 - **2.0m (East) from DMH0811,**
 - **21.0m (East) from DMH0811,**
 - **35.0m (East) from DMH0811,**
 - **55.0m (East) from DMH0811.**
 - **Pipe Bursting 0.0m – 34.5m (West) from DMH0508 - Restore 3 service connections.**
- Notes:
 - **2 Catch basins to be restored. (CB0475, CB0476)**

4.

- Mainline ID: **DGM0651**
- Location: **1360 – 1390 Esquimalt Rd.**
- Mainline Length: **102.0m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.73m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Pipe Burst – Manhole-Manhole (DMH0451-DMH0623),
Restore 2 service connections. (DLC2330, DLC3351)**
- Length of Replacement: **102.0m**
- Notes:
 - **4 Catch basins to be restored. (CB0471, CB0457, CB0470, CB0478)**

5.

- Mainline ID: **DGM0647**
- Location: **1379 Esquimalt Rd.**
- Mainline Length: **65.50m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **±1.70m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
Spot Repairs:
 - **0.0m – 4.5m (East) from DMH0508,**
 - **16.0m (East) from DMH0508,**
 - **35.0m (East) from DMH0508,**
 - **41.0m – 47.0m (East) from DMH0508,**
 - **7.0m (West) from DMH0513**
- Notes:
 - **1 Catch basin to be restored. (CB0468)**

6.

- Mainline ID: **DGM0646**
- Location: **1357 Esquimalt Rd.**
- Mainline Length: **76.40m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.70m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
Spot Repairs:
 - **0.0m – 7.0m from DMH0513 (East)**
 - **8.0m – 36.0m from DMH0756 (West)**
- Notes:
 - **2 Catch basins to be restored. (CB0469, CB0464)**

7.

- Mainline ID: **DGM0645**
- Location: **1357 Esquimalt Rd.**
- Mainline Length: **62.10m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.74m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Pipe Burst 0.0m – 34.0m (West) from DMH0238,**
 - **Spot Repair: 3.3m (East) from DMH0756**

8.

- Mainline ID: **DGM0644**
- Location: **1351 – 1355 Esquimalt Rd.**
- Mainline Length: **42.10m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.71m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Spot Repair: 8.5m – 13.0m (East) from DMH0238**

9.

- Mainline ID: **DGM0643**
- Location: **1325 Esquimalt Rd.**
- Mainline Length: **61.80m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.39m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Spot Repairs:**
 - **2.8m (West) from DMH0971,**
 - **34.4m (West) from DMH0971,**
 - **40.3m (West) from DMH0971**

10.

- Mainline ID: **DGM0642**
- Location: **1315 Esquimalt Rd.**
- Mainline Length: **91.00m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.52m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Spot Repair: 15.0m (West) from DMH0097**

11.

- Mainline ID: **DGM0772**
- Location: **Esquimalt Rd. / Admirals Rd. Intersection**
- Mainline Length: **14.60m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **1.93m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Spot Repair 5.0m – 7.5m (North) from DMH0097**

12.

- Mainline ID: **DGM0774**
- Location: **1264 Esquimalt Rd.**
- Mainline Length: **102.50m**
- Pipe Diameter: **150**
- Pipe Average Depth: **1.65m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Spot Repairs:**
 - **23.0m – 28.5m (East) from DMH0621**
 - **46.50m – 58.6m (West) from DMH0235**
- Notes:
 - **2 Catch basins to be restored. (CB0456, CB0245)**

13..

- Mainline ID: **DGM0778**
- Location: **1250 Esquimalt Rd.**
- Mainline Length: **68.80m**
- Pipe Diameter: **150**
- Pipe Average Depth: **1.09m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Pipe Burst: 0.0m – 47.0m (East) from DMH0235, Restore 3 Service Connections (DLC1467, DLC2882, DLC2982)**
- Notes:
 - **1 Catch basin to be restored. (CB0451)**

14.

- Mainline ID: **DGM0924**
- Location: **1188 – 1194 Esquimalt Rd.**
- Mainline Length: **69.00m**
- Pipe Diameter: **200**
- Pipe Average Depth: **1.21m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
Spot Repairs:
 - **56.0m (West) from DMH0153**
 - **44.0m (West) from DMH0153**
 - **33.5m – 39.0m (West) from DMH0153**
 - **3.0m (West) from DMH0153**

15.

- Mainline ID: **DGM0919**
- Location: **1180 Esquimalt Rd.**
- Mainline Length: **60.00m**
- Pipe Diameter: **200**
- Pipe Average Depth: **1.05m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Pipe Burst – Manhole to Manhole (DMH0153 – DMH0545) Restore 2 service connections. (DLC1394, DLC0564)**
- Length of Replacement: **60.00m**

16.

- Mainline ID: **DGM0920**
- Location: **1160 Esquimalt Rd.**
- Mainline Length: **92.30m**
- Pipe Diameter: **250**
- Pipe Average Depth: **1.0m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Pipe Burst – Manhole to Manhole (DMH0327 – DMH0545)**
Restore 5 Service Connections (DLC0765, DLC0194, CBL2544, CBL2541, CBL2543)
- Length of Replacement: **92.30m**

17.

- Mainline ID: **DGM1185**
- Location: **1124 Esquimalt Rd.**
- Mainline Length: **56.0m**
- Pipe Diameter: **300mm**
- Pipe Average Depth: **2.07m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
 - **Pipe Burst: Manhole – Cleanout (DMH1009 – CO/Cap)**
- Length of Replacement: **55.95m**
- Notes:
 - **1 Catch basin to be restored. (CB0250)**

18.

- Mainline ID: **DGM0908**
- Location: **1124 Esquimalt Rd.**
- Mainline Length: **32.40m**
- Pipe Diameter: **300mm**
- Pipe Average Depth: **2.08**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
Spot Repairs:
 - **0.0m – 2.5m (West) from DMH0611**
 - **22.0m (West) from DMH0611**
 - **28.1m (West) from DMH0611**

Sewer Mainlines

1.

- Mainline ID: **SGM1083**
- Location: **1390 Esquimalt Rd.**
- Mainline Length: **139.35m**
- Pipe Diameter: **150mm**
- Average Pipe Depth: **2.22m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
Spot Repair: SMH0207 – Repair Benching in manhole.

2.

- Mainline ID: **SGM0578**
- Location: **1229 Esquimalt Rd.**
- Mainline Length: **55.78m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **3.00m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
Spot Repairs:
 - **0.0m to 4.0m (East) from SMH0362**
 - **11.0m from (East) SMH0362**
- Notes:
 - Replace cone manhole (SMH0362) to standard MMCD manhole barrel.

3.

- Mainline ID: **SGM1066**
- Location: **1205 – 1215 Esquimalt Rd.**
- Mainline Length: **67.00m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **2.90m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP) - Relined**
- Potential Method of Replacement:
 - **Pipe Burst: Manhole to Manhole – (SMH0600 – SMH0601)**
Restore 4 Service Connections (SLC3001, SLC1205, SLC3003, SLC3000)
- Length of Replacement: **67.00m**

4.

- Mainline ID: **SGM0967**
- Location: **1153 – 1195 Esquimalt Rd.**
- Mainline Length: **118.55m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **2.90m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
Spot Repairs:
 - 11.0m – 14.5m (East) from SMH0601**
 - 21.6m (East) from SMH0601**

5.

- Mainline ID: **SGM0356**
- Location: **1149 - 1151 Esquimalt Rd.**
- Mainline Length: **50.20m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **2.60m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP)**
- Potential Method of Replacement:
Spot Repairs:
 - **8.0m (East) from SMH0685**
 - **1.5m from (West) SMH0649**

6.

- Mainline ID: **SGM0970**
- Location: **1121 - 1149 Esquimalt Rd.**
- Mainline Length: **90.0m**
- Pipe Diameter: **200mm**
- Pipe Average Depth: **3.19m**
- Original Pipe Material: **Vitrified Clay Pipe (VCP) - Relined**
- Potential Method of Replacement:
 - **Spot Repair: 23.5m – 31.00m (East) from SMH0649**