

# 2025 BUDGET

## Storm Drains



### Our role

#### ***Net budget \$2,616,400***

Storm drains are designed to convey rainwater and groundwater flows to nearby water bodies and they are typically located within public road rights-of-way or easements on private property. The Saanich storm drainage system includes 570 km of mains, 23,300 drain service connections, 11,270 catch basins and 7,400 drain manholes. Saanich also boasts over 316 km of waterways, creeks, river with a complex network of catchment ponds and lakes.

Full life cycle asset management services for the drainage system are provided by the Engineering Department through collaboration of the Storm & Wastewater team of the Public Works Division and the Water Resources Division staff. Together they plan, analyse, operate, maintain, design and construct the engineered and natural infrastructure that conveys stormwater from the community to the ocean.

### Services we provide

#### **ADMINISTRATION**

#### ***Net cost \$378,200***

This group provides overall management and administrative support for all sections including clerical support, public engagement and communications. This includes drainage capital planning and project management, administering and coordinating the auxiliary call list, daily time records, hired and municipal equipment tracking, purchase reconciliation and the provision of equipment and safety training.

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### **DRAIN MAINS AND CATCH BASIN CLEANING**

***Net cost \$467,800***

Drain mains are susceptible to the accumulation of sediment and debris, as well as root infiltration and other blockages. These conditions affect the performance of the system and require pipe maintenance using jets of high-pressure water to remove the blockage and restore the optimal flow path. Operations target cleaning most of the drainage piped network on a 5-year schedule.

### **CREEKS, WATERWAYS AND SURFACE DRAINAGE**

***Net cost \$768,300***

Annual and periodic maintenance of the surface drainage systems reduces the potential for and severity of flooding in heavy rainfall events. These facilities include swales, ditches, waterways, creeks, lakes, ponds, and engineered structures like headwalls, trash racks and flow control systems. And all other works related to emergency spills response as needed to protect the environment. Typically, this work is driven through service calls.

### **CATCH BASIN AND MANHOLE REPAIR/REPLACEMENT**

***Net cost \$398,200***

There are over 11,000 catch basins and 7,400 manholes in the drainage system. Catch basins trap, collect and convey surface rainwater from streets to the drainage collection systems. Manholes provide inspection portals into the drainage system either using a camera or by human entry. Both are concrete structures that require regular maintenance to ensure their integrity. They are repaired and replaced when an inspection finds a defect that impacts their functionality. This work is part of the annual maintenance activities in the overall drainage system.

### **MAIN AND SERVICE CONNECTION REPAIR**

***Net cost \$529,200***

There are approximately 23,300 storm service connections to the system. This program repairs and replaces storm service connections due to age, deterioration, or otherwise improper function. Substandard drains are pipes that were installed without any engineering standard. They are typically old, clay tile or concrete pipe materials, shallow, and are too small to provide adequate service for the catchment. They are an

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area of focus in the capital program for replacement to meet current engineering standards and the appropriate level of service for rainwater capture and conveyance.

### EMERGENCY FLOODING

***Net cost \$74,800***

The emergency flooding program is used to address seasonal high influxes of customer services request. During a typical storm event staff can respond to 100's of service calls and many more in a major storm event. Work includes homeowner customer service issues, main blockages, sink holes, obstructed catch basins and overland flooding.