

# Harewood Mines Road

**Client:** Rega Properties

**Capital Cost:** \$3 million

**End Date:** 2021

**Location:** Central/South Nanaimo

**Industry Segment:** Land Development, Water, Sewer Systems, Stormwater, Utilities, Road

## Key Team Members

Nathan Trobridge (Project Manager & Engineer), Dan Pedersen (Design), Brayden Hughes (Field Work), Mike Shepherd (Field Work)

## Challenges:

- A lack of existing sanitary sewer infrastructure
- Off-site, gravity sanitary sewer infrastructure required directional drilling from the subject property, below the inland island highway and connection to the downstream point of connection
- Some pushback from the local community

## Solutions:

- An off-site sanitary extension was implemented in addition to the on-site servicing, roads and grading design
- Directional drilling was used to link the subject property to the existing downstream sanitary sewer system
- Collaborative efforts between the Ministry of Transportation, the City of Nanaimo, the land developer and drilling specialists to bring the project to fruition

## Deliverables:

- 30-lot subdivision
- Sanitary infrastructure and expansion with possible future extension for up to 50 existing properties across 32 hectares
- Multiple pedestrian trail connections

The Harewood Mines Road project presented some unique challenges, most notably due to the lack of sanitary sewer infrastructure in the servicing area.

This meant linking off-site sanitary sewer infrastructure using precise directional drilling under an existing highway, so that all lots could be serviced using a gravity system.

These premium lots now benefit from impressive custom home construction, on-going construction currently being completed by the owners. All lots are now provided with municipal servicing in particular gravity sanitary sewer services which is new to the area. Trail connections were also established with the project to the existing parkland to the west and newly dedicated parkland to the east.



## 30

Lots created

## Sanitation Infrastructure

Upgraded to support 30 new homes

## Fire Flow with Water Main Looping

Enhanced to meet fire code for residential zones