

CARLSBORG SEWER SYSTEMS

(Last Updated January 2023)

Description

The Carlsborg Sewer System became operational in 2017 with a sewer service area (see map attachment) defined by the 560-acre Carlsborg Urban Growth Area (UGA). The County constructed a sanitary sewer collection system and related infrastructure (e.g., pump stations) that conveys wastewater across the Dungeness River to connect to the City of Sequim sewer system for treatment at the City’s Water Reclamation Facility. At the beginning of 2023, the Carlsborg Sewer System had a total of 121 connections--64 residential, 49 commercial, and 8 public. More information at: www.clallamcountywa.gov/629/Carlsborg-Sewer-System

Project Team

Team Lead:	Steve Gray, Deputy Public Works Director
Project Manager:	Ron Garcelon, Utility Program Management
Operations/Maintenance:	City of Sequim Public Works Department Jim Steeby, County Public Works Facilities Foremen
Legal:	Dee Boughton, Deputy Prosecuting Attorney
Engineering:	Joe Donisi, County Engineer, and Public Works Engineering Team
Finance:	Hilary Steeby, Public Works Accountant Mark Lane, County Chief Financial Officer
Other Support:	Linda Capps, Lead Right-of-Way Agent (Utility Easements) Administrative: Public Works Administrative Staff

Current Projects/Timeline

Projects	Description	Timeline
General Operations and Sewer System Planning		
Operations	The County Public Works Department is responsible for accounting, office administration, public information, operations, maintenance, and capital projects for Carlsborg UGA Sewer System. The County also has an Interlocal Agreement with the City of Sequim for specified maintenance of the Carlsborg UGA sanitary sewer collection infrastructure.	Ongoing
Capital Improvement Projects		
Gupster Rd. Area—Phase 1 Improvements	Design and construct a low-pressure sewer service line extension to serve the Gupster Road area in the southeast area of the UGA. Phase 1 is intended to provide a more affordable collection system to support existing and limited new development to connect to the public sewer system versus on-site septic systems.	2023/24

Project Funding

The 2023 approved budget had a projected beginning fund balance of ~ \$185,000. Other projected funding sources include:

Funding Source	Award	Match	Comments
Opportunity Fund	\$240,000	N/A	Funding for Gupster Road Area-Phase 1 Capital Improvement project.
Utility Billings & Permit Fees	See comment	N/A	Utility billings in 2022 generated ~ \$140,000. Similar projected for 2023.

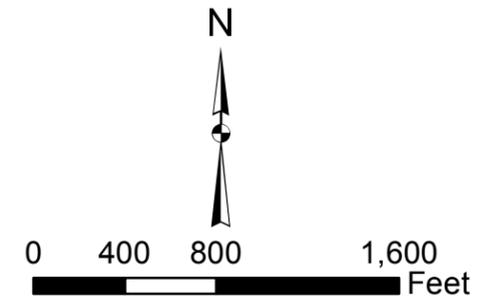
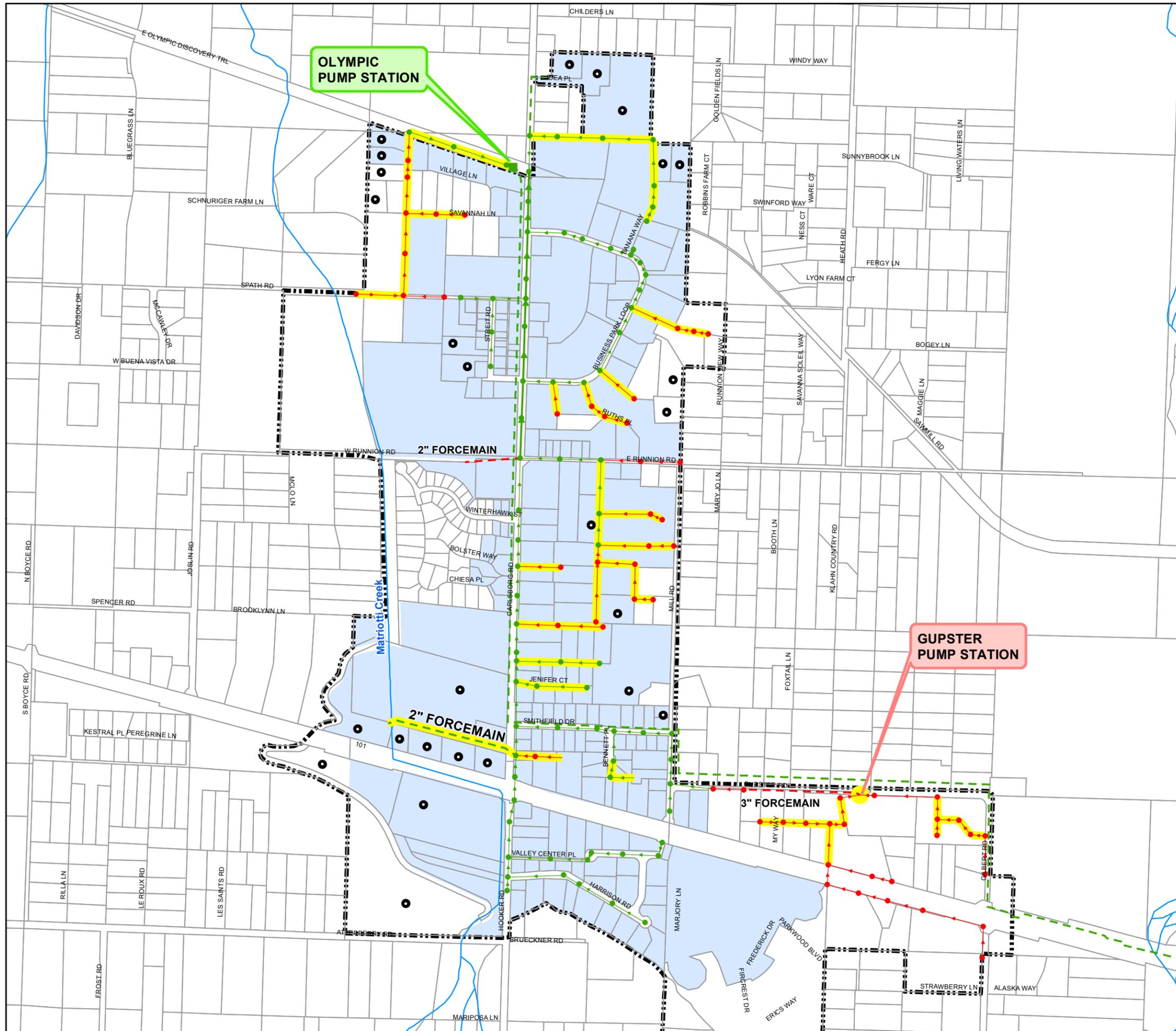
Clallam County pays the City of Sequim several service charges related to conveyance of Carlsborg UGA wastewater to the City of Sequim Water Reclamation Facility for treatment: 1) pipe charges (\$24,896 in 2022), 2) usage charges (\$20,849 in 2022), and 3) system maintenance charges (\$33,957 in 2022). Similar service charge payments to Sequim are projected for 2023.

Key Milestones and Next-Steps

- Clallam County and City of Sequim Interlocal Agreement for Carlsborg Wastewater Disposal related to the City accepting sanitary sewage from the County's Carlsborg sanitary sewer collection system (November 2014).
- Clallam County Carlsborg Wastewater Facilities Plan Amendment (December 2014).
- County adopted Carlsborg Sewer System regulatory and administrative procedures under Chapter 13.12 CCC (Ordinance 925) in March 2017.
- Clallam County and City of Sequim Sanitary Sewer Collection System Maintenance Agreement for maintenance of the County's Carlsborg sanitary sewer collection system (August 2017).
- Carlsborg initial sewer system became operational in 2017.
- County 2022 completion of installation of the 1,500 long Village Lane sewer main extension and related infrastructure improvements.
- In 2023/24 the County plans to design and construct the Phase 1-Gupster Road area capital improvements project noted previously. The preliminary cost estimate is \$240,000 to be funded by the County's Opportunity Fund. A future Phase 2 is planned for construction of a gravity collection system with a pump station that can support full build-out of this area of the UGA. Phase 2 is currently unfunded with a preliminary estimated cost of \$1.8 million.

Challenges

- Securing funding and/or development agreements to extend needed sewer mains and laterals to areas of the UGA not served by the County's initial constructed sewer collection system (see map attachment).
- Current limited customer base makes it challenging to generate sufficient revenue to fully cover general operation and maintenance costs or to build any significant revenue for future capital improvements. Only six new connections occurred in 2022.
- Public Works Department staffing changes, including recent departure of project engineer for design of sewer collection system improvements.



NOTE:
 Actual locations of sewer pipes and facilities may vary from those shown in this figure. Features are drawn at an exaggerated scale.

- LEGEND:**
- GRINDER PUMP REQUIRED
 - ▭ PARCELS
 - - - CARLSBORG SEWER SERVICE BOUNDARY
 - ▬ EASEMENT
 - INITIAL PHASE**
 - SEWER MANHOLES
 - GRAVITY SEWER
 - - - FORCE MAIN
 - ▭ PARCELS WITHIN 200 FEET OF INITIAL SYSTEM
 - PUMP STATION
 - BUILDOUT PHASE (NO CURRENT PLANS FOR CONSTRUCTION)**
 - SEWER MANHOLES
 - GRAVITY SEWER
 - - - FORCEMAIN

CLALLAM COUNTY

CARLSBORG COLLECTION SYSTEM
 PARCELS WITHIN 200 FEET
 OF INITIAL SYSTEM


 Gray & Osborne, Inc.
 CONSULTING ENGINEERS