



North Junction Pump Station and Trunk

Location: Ridgefield

Number: 27-2014-0010

GL Number: 409-100-189-00-01-01

Phase: Design

Project Manager: Phil Roppo

GSP Basin: Ridgefield Basins 1-2

Capital Improvement Project

General Facilities

District Installed Infrastructure

Septic Elimination Program

Developer Reimbursement Program

Fleet & Facilities

Restoration & Replacement Project

Restoration & Replacement – Gravity

Restoration & Replacement – PS & FM

Restoration & Replacement – Fleet & Facilities

Project Definition:

Objective. Provide trunk sewer to the northern portion of the Ridgefield I-5 junction area, including both sides of I-5 from which local service can be extended to serve future land development.

Scope of Work. Construct a new pump station on N 10th Street west of I-5 with dual force main connection to the existing force mains stubbed out on N 10th Street, 800 feet east of 45th Avenue. Extend gravity sewer trunk east across I-5 to N 65th Avenue and extend south to serve the future Clark College site.

Project Statistics. Force main – 950 feet each of parallel 8-inch and 12-inch force mains. 3,000 feet of 18-inch, 21-inch and 24-inch trunk from the new pump station to N 65th Avenue, including 42-inch casing across I-5. Gravity main – 540 feet of 8-inch gravity on N 10th Street and 200 feet of 8-inch gravity on N 65th Avenue to serve local properties.

Pump Station – 25 hp duplex submersible pumps for 750 gpm at startup; 2,200 gpm at buildout; 12-foot wetwell; three phase electrical service; diesel generator; control kiosk; chemical storage tank for odor control.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$4,160,000
Construction Cost:	\$3,270,000
Basis of Estimate:	90% Design
Date of Estimate:	Sept. 2018

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2014
Permitting	2015-2018
Real Property/ROW	2014-2017
Design	2014-2018
Bid	2018
Construction	2018-2020

