

Ostenson Canyon Stormwater and Roadway Repair Phase 1



Project Type: Stormwater and Intersection Widening
 Total Project Cost: \$1,262,900
 Project Timeline: Fall 2019-Fall 2022

Project Description

Northwest Ostenson Canyon road at the intersection of NW 18th Avenue was originally constructed within Clark County Circa. 1940's. The roadway provides access to City owned property and local residences, while serving as a critical stormwater outfall location for the Neighborhoods along NW 18th Loop and Fargo Street. The existing stormwater infrastructure is undersized, and years of concentrated discharge has caused significant erosion adjacent to the roadway.

This project brought the existing intersection up to current geometry and accessibility standards, widened and stabilized roadway, improved public safety, reconstructed the stormwater system, and mitigated erosion through energy dissipation enhancements. This project is the first phase of larger reconstruction efforts to the NW 18th AVE and Fargo stormwater system.

Project Details and Benefits

- Stormwater outfall and conveyance piping were re-sized for design stormwater events. This will allow reconstruction and proper sizing of the upstream stormwater infrastructure in the future as budget allows.
- A soldier pile retaining wall was constructed to support road widening and stabilize roadbed.
- Existing intersection did not accommodate right hand turns by large vehicles. The new geometry and road widening corrected this issue.
- Elimination of roadside erosion and stormwater scouring.

Project Funding

Project Phase	Year	Street Fund & REET 1	Total
Design	2019-2023	\$332,700	\$332,700
Construction	2021-2023	\$930,200	\$930,200
Total		\$1,262,900	\$1,262,900
Original Budget Estimate			\$1,209,500

