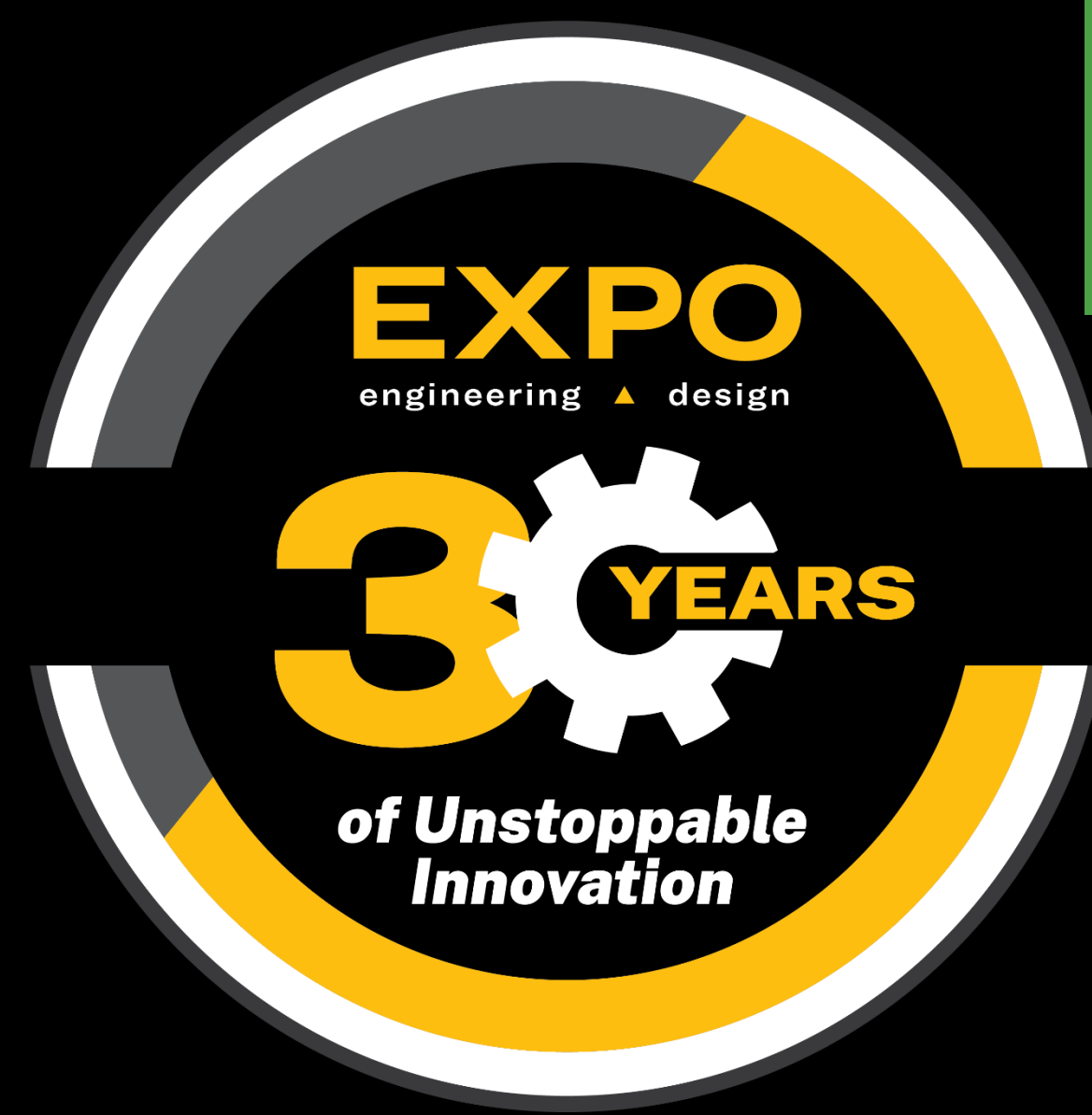
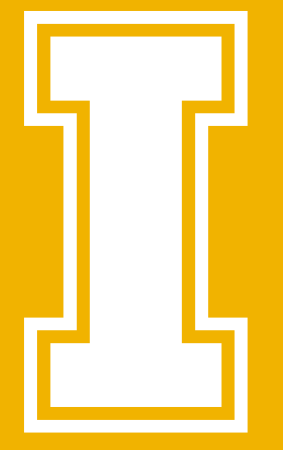
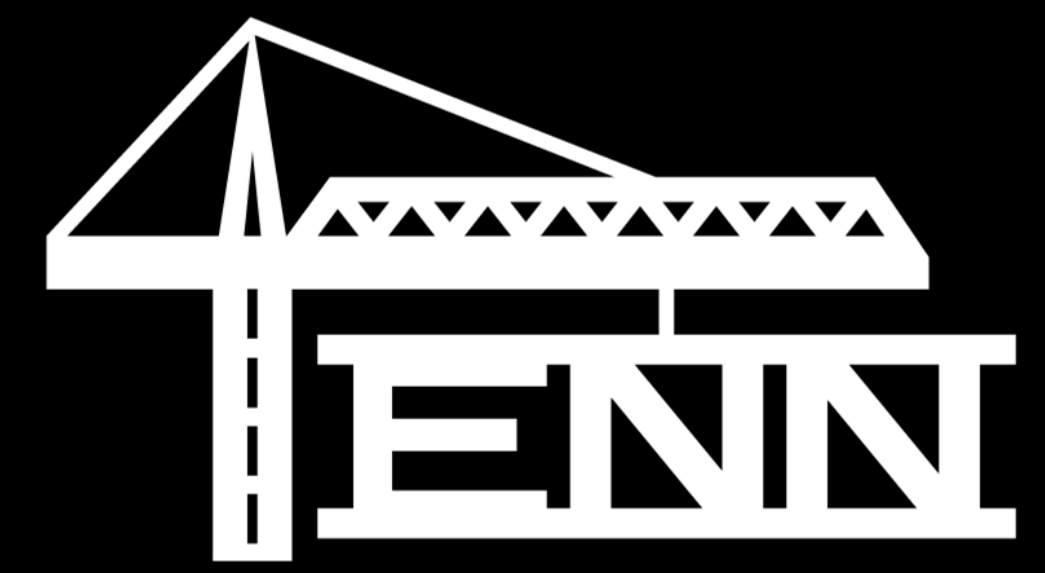




LACROSSE AVENUE EXTENSION

BY: TEAM TENN (SHAUNITA CABLE, JOEL GRADIN, ETHAN HARDT, JAROD SHANNON)

SPONSOR: WELCH COMER ENGINEERS (MELISSA CLEVELAND, JACK GRIFFING)

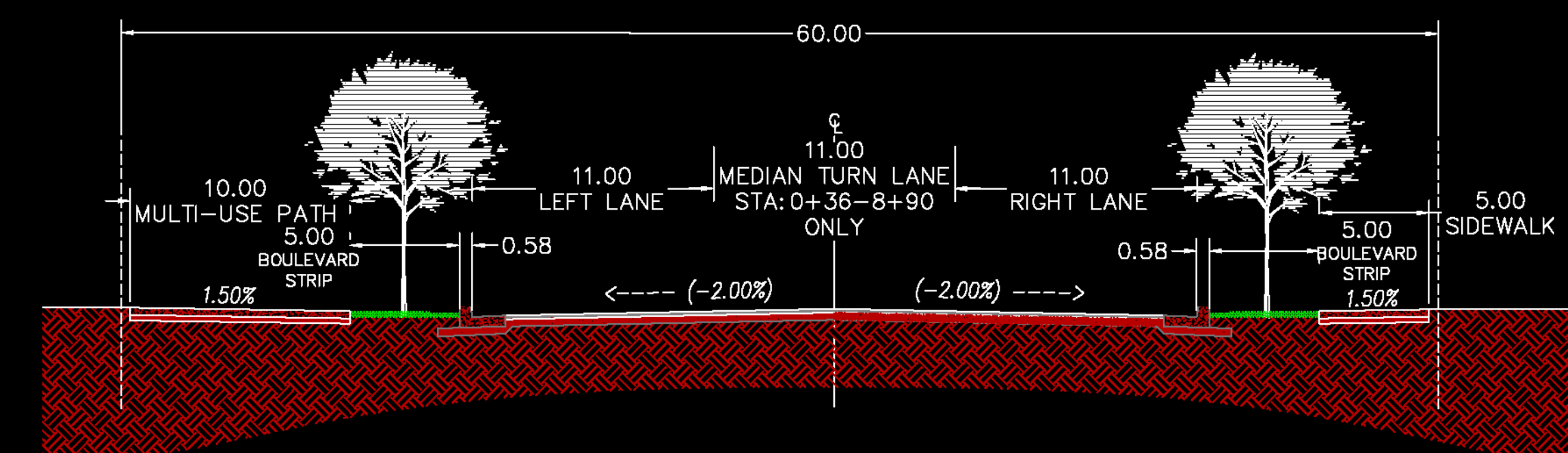


Background

The Riverstone Development in Coeur d'Alene, ID. has seen a rise in population and requires a new point of access. Further, a trailhead for the Centennial Trail and a connection to it are desired.



LACROSSE AVE. TYPICAL SECTION

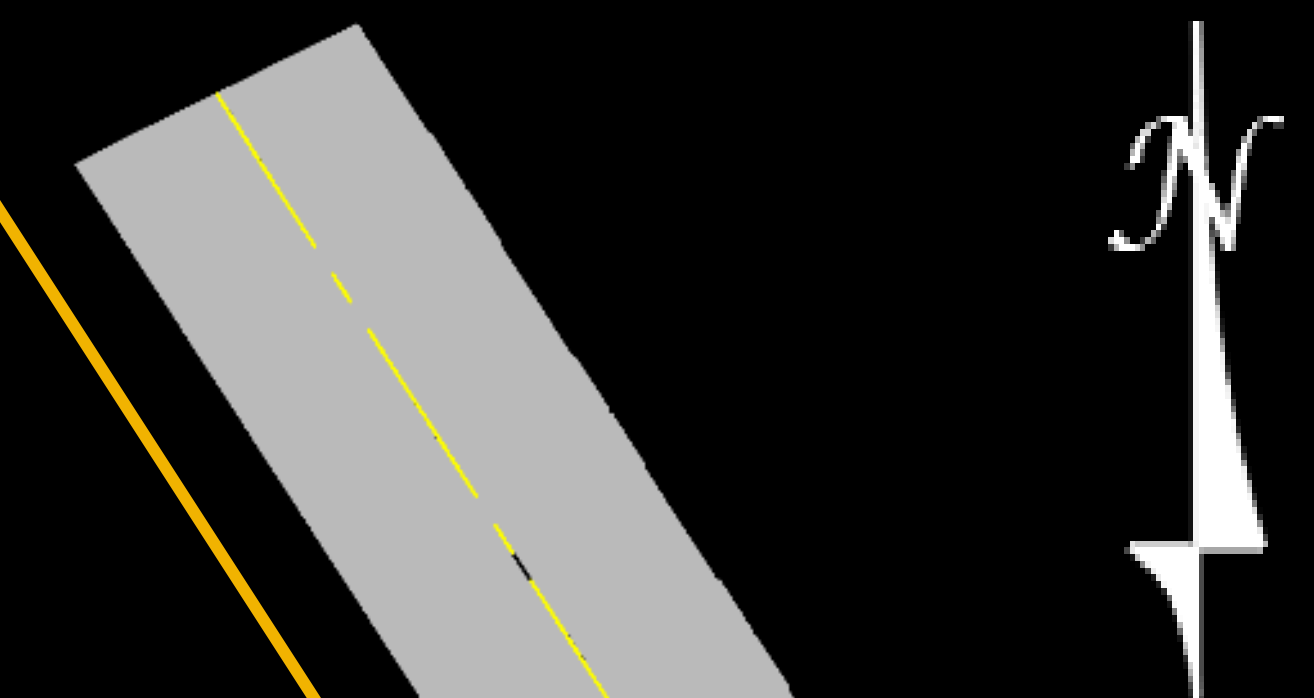
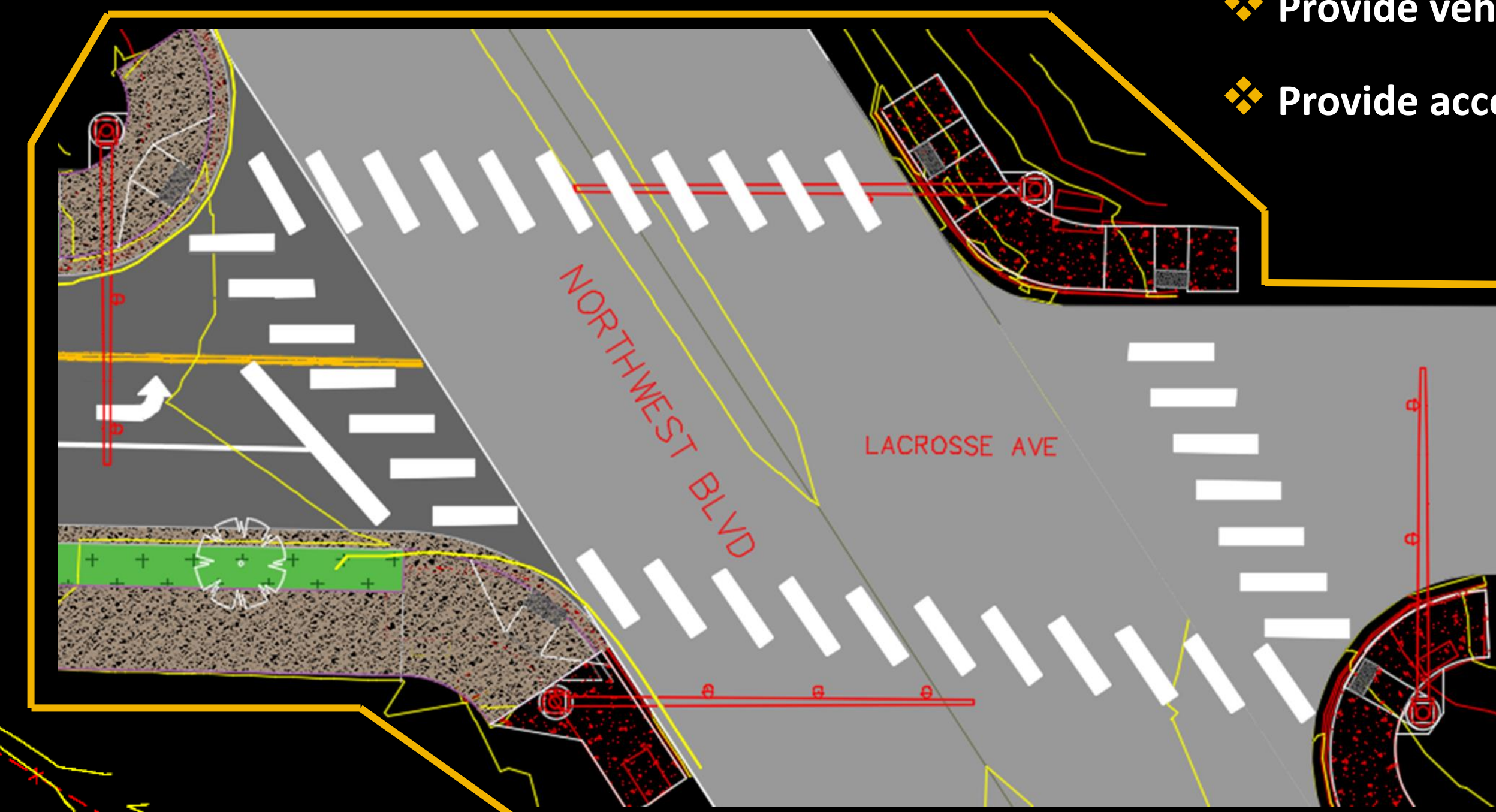


Intersection Design Objectives

- ❖ Provide a safe and walkable connection for pedestrians
 - Redesign ramps to meet ADA standards
 - Place mast arms close to ramps
- ❖ Ease congestion by designing a signalized intersection

Road Extension Design Objectives

- ❖ Relieve congestion in the Riverstone Development Area
- ❖ Provide vehicular, pedestrian, and bicycle access to the Centennial Trail
- ❖ Provide access and utilities for future developments along Lacrosse Avenue



Parking Lot Design Objectives

- ❖ Additional parking for Centennial Trail users
- ❖ Secondary fire access and connection to Bellerive Lane
- ❖ Parking for a future City park nearby

Cost Estimate

- ❖ Goal Budget: \$1,800,000
- ❖ Proposed Cost: \$1,520,000



2023 Capstone Project