

IOWA

West Burlington Downtown Street Redesign

Senior Design Presentation

April 25, 2025

Team Members



Dylan Freeman
Project Manager



Brandon Draper

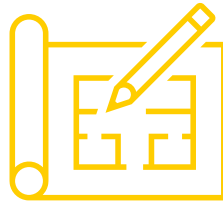
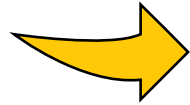


Aaron Begy

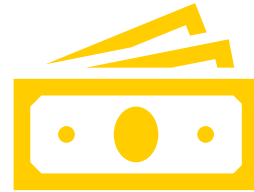
Presentation Outline



Project Description

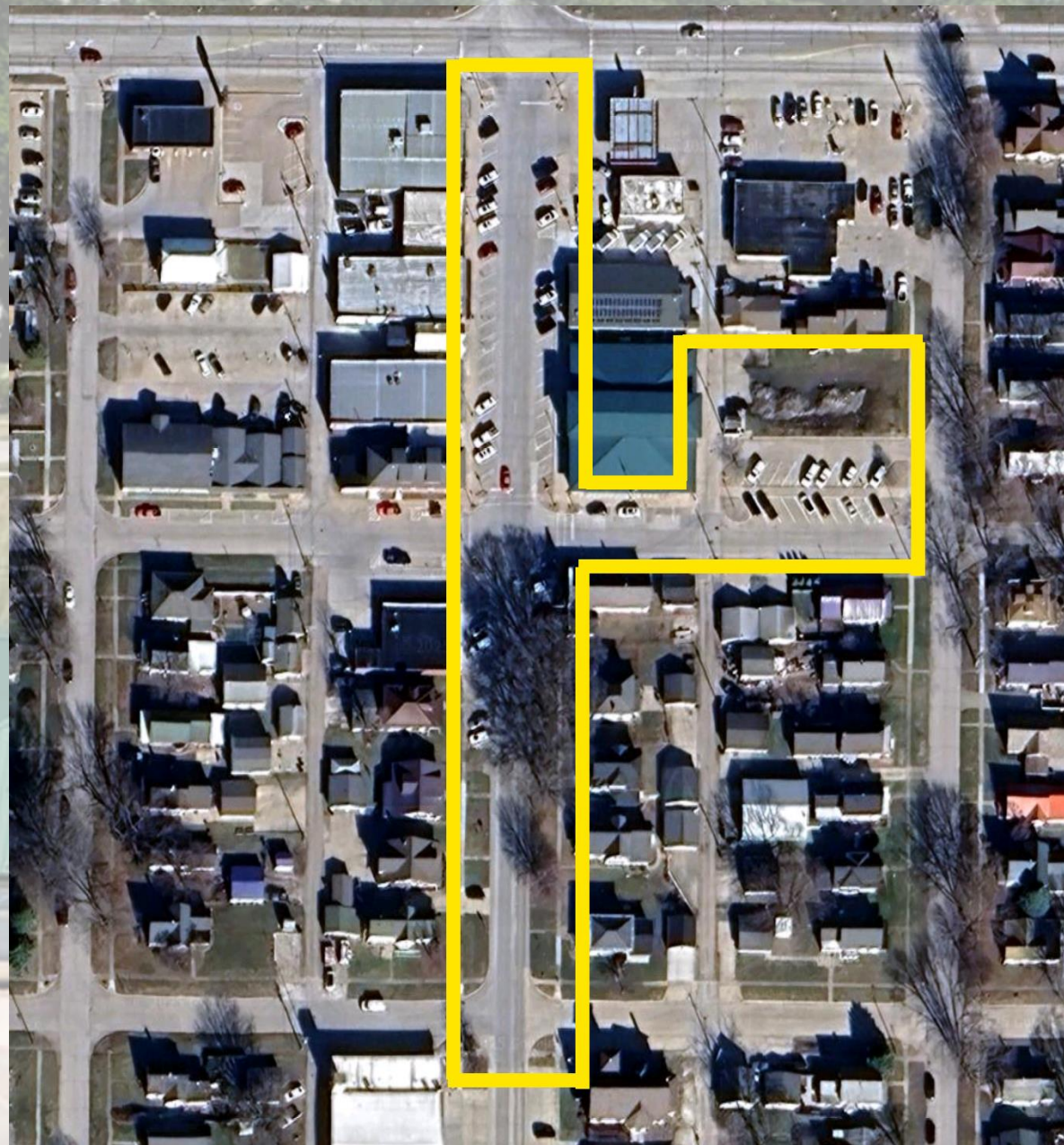


Design Decisions



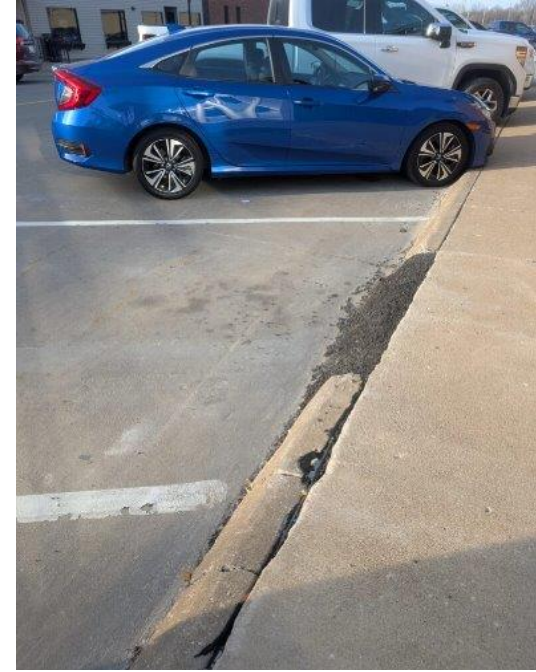
Cost Estimation

WEST BURLINGTON IOWA



Existing Conditions

- Constructed in 1994
- Deteriorating curb conditions
- Limited green infrastructure
- Lack of flexible event space



Event Hosting

- Walkability
- Bollards
- Visual Appeal

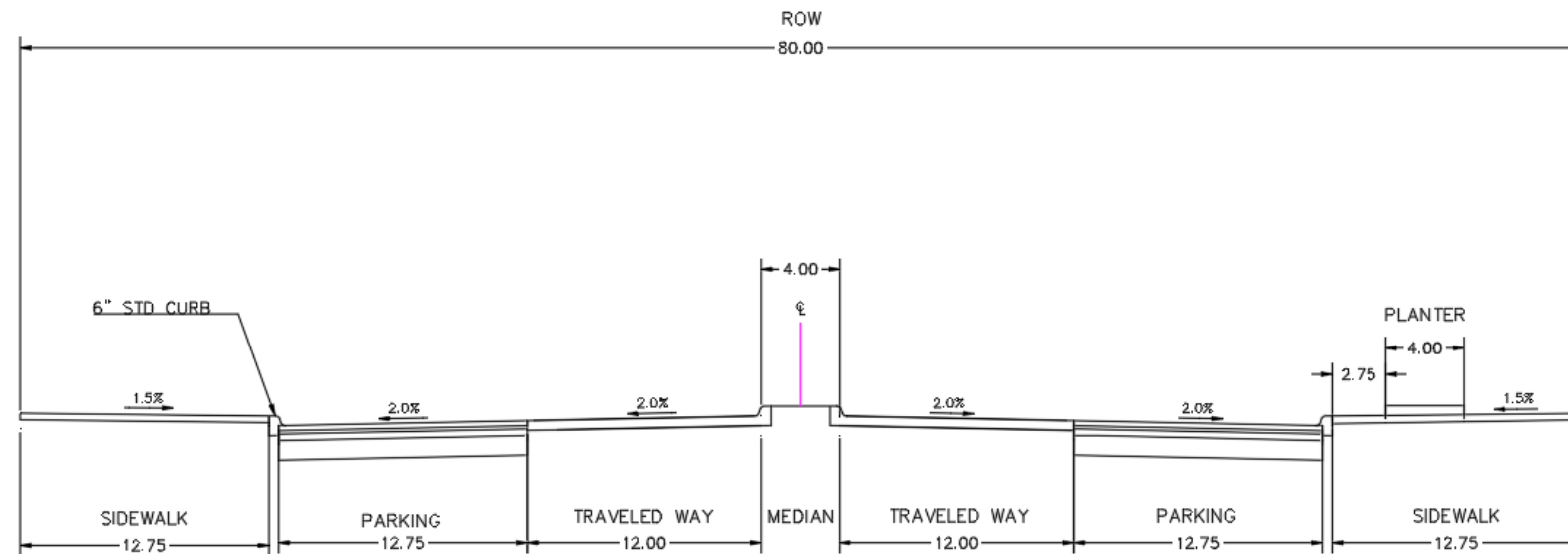


Green Medians

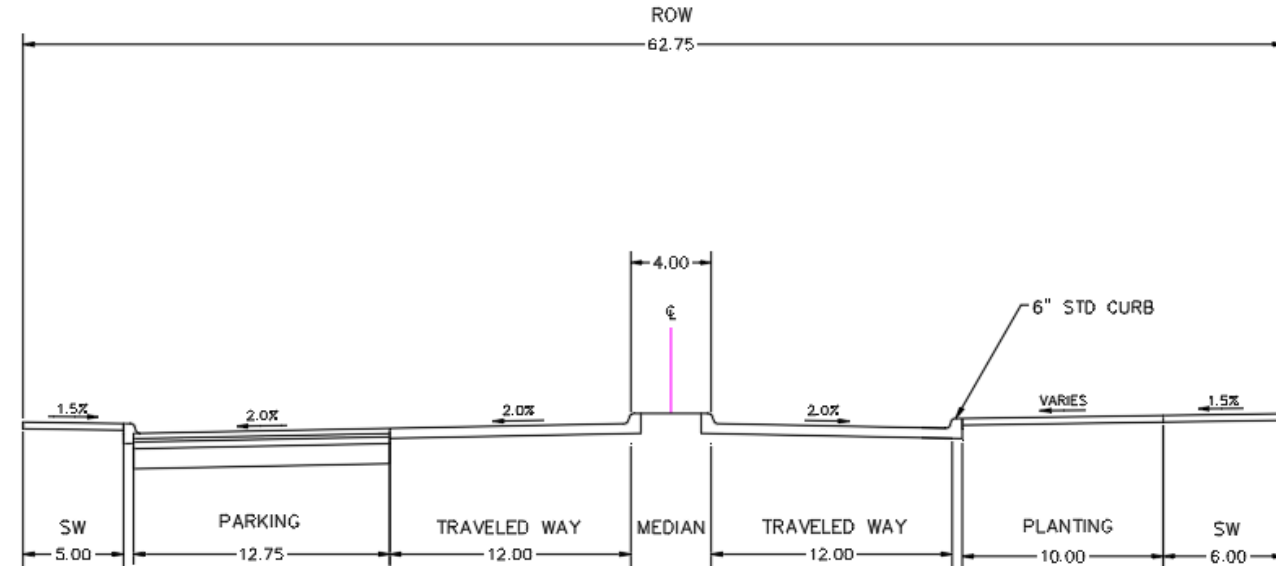


Cross Sections

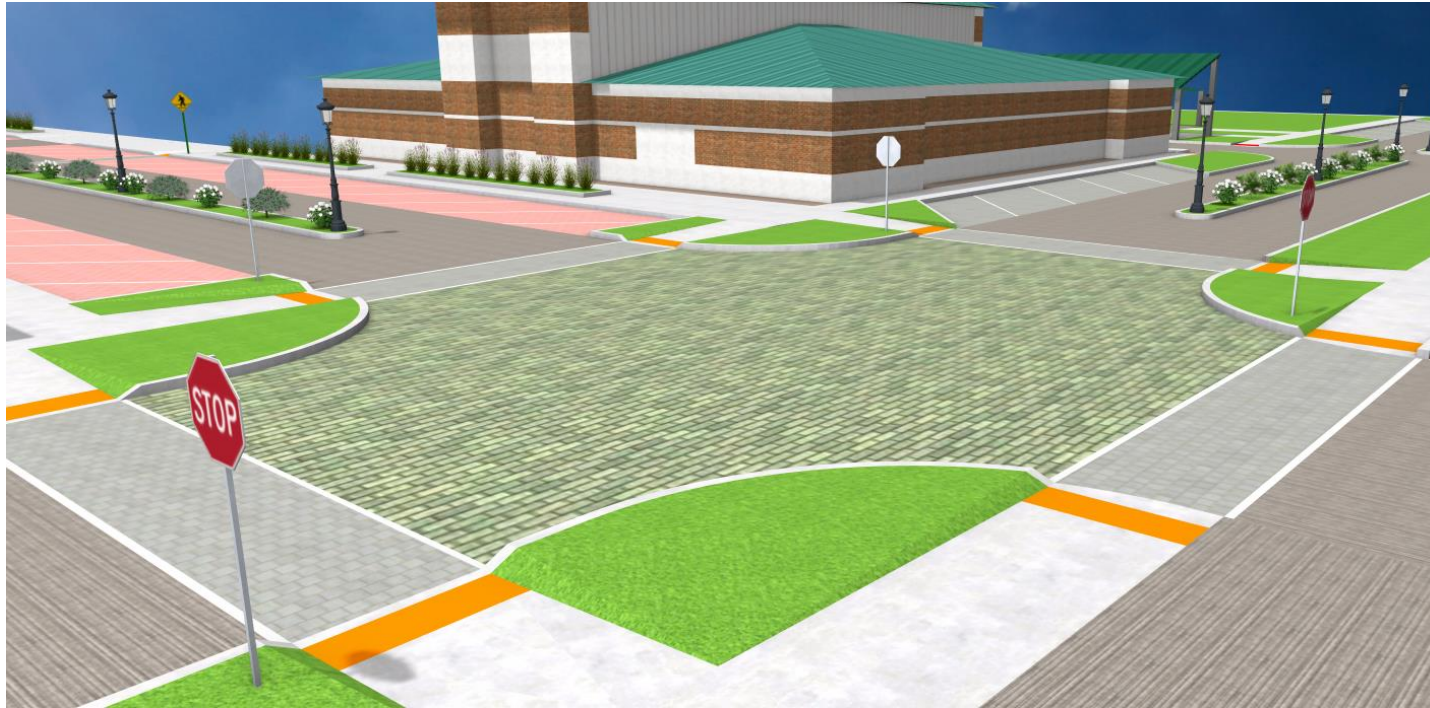
N BROADWAY



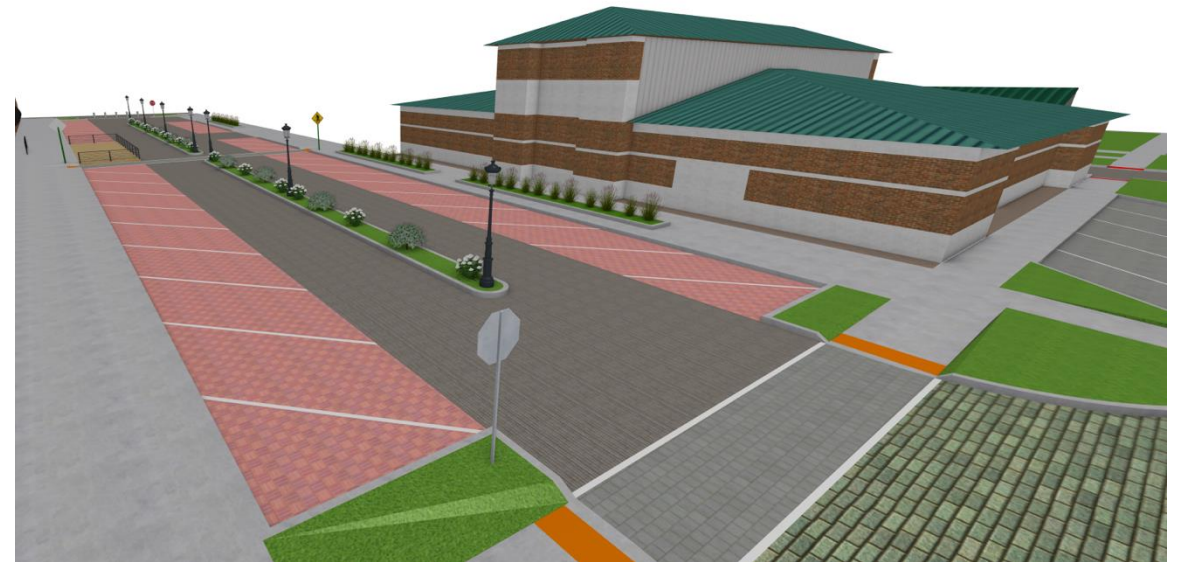
WHEELER



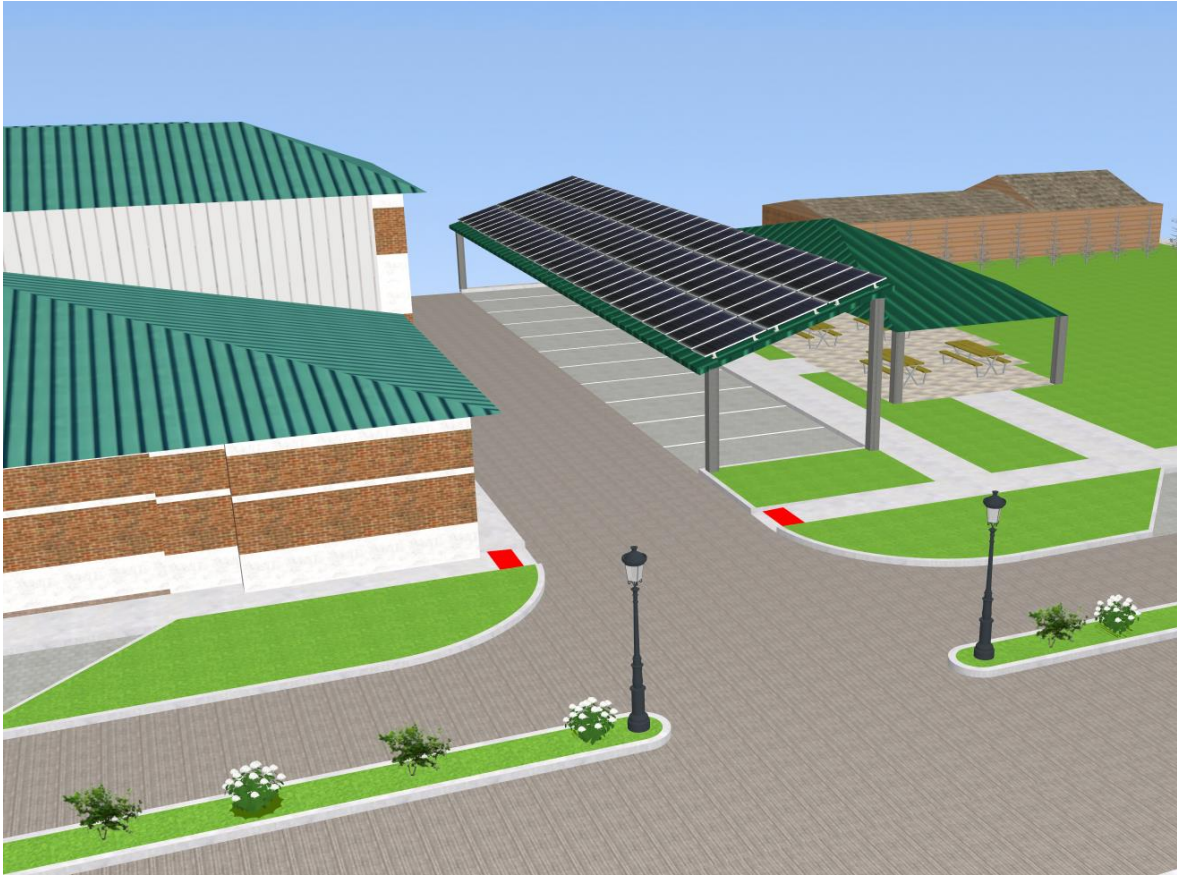
Permeable Pavement



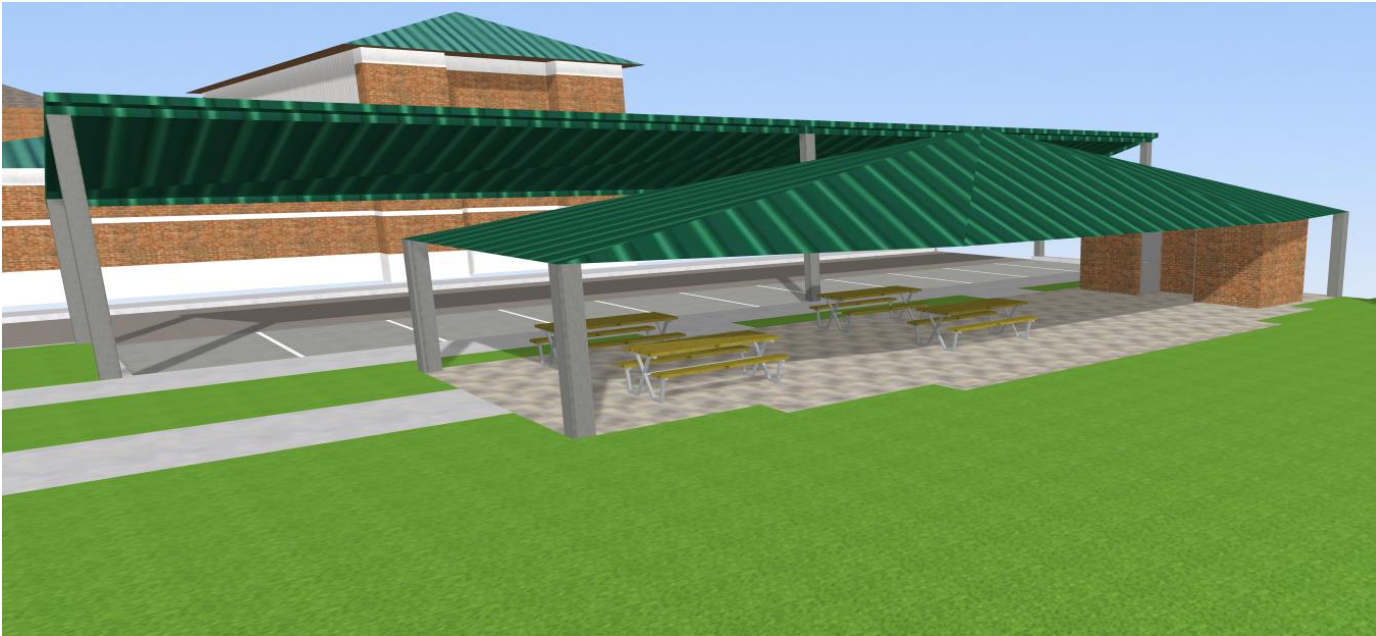
Back-In Parking



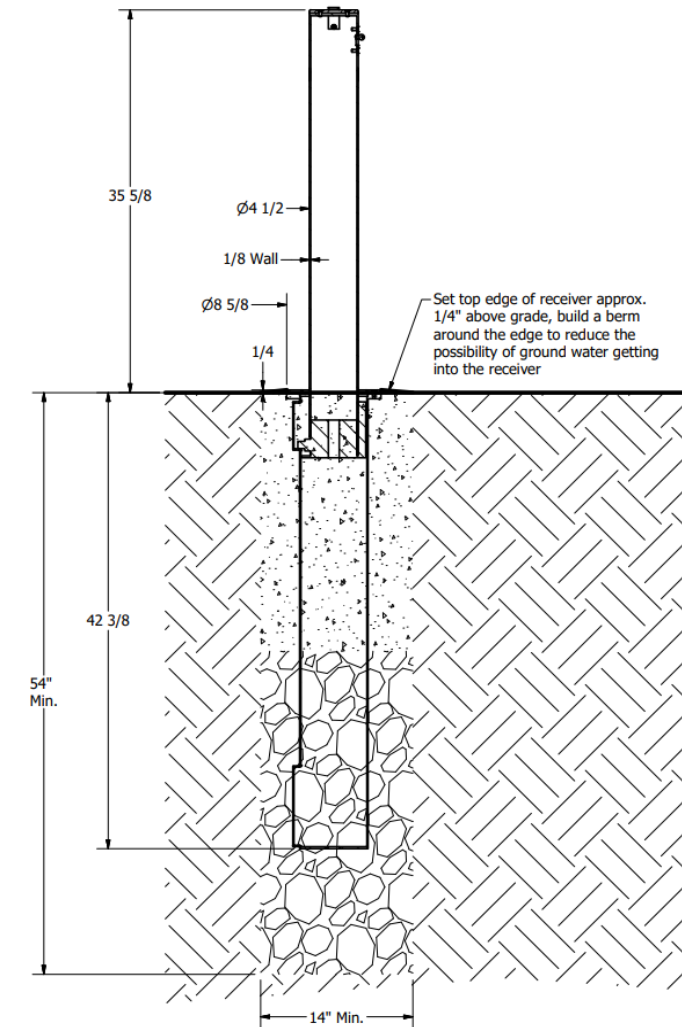
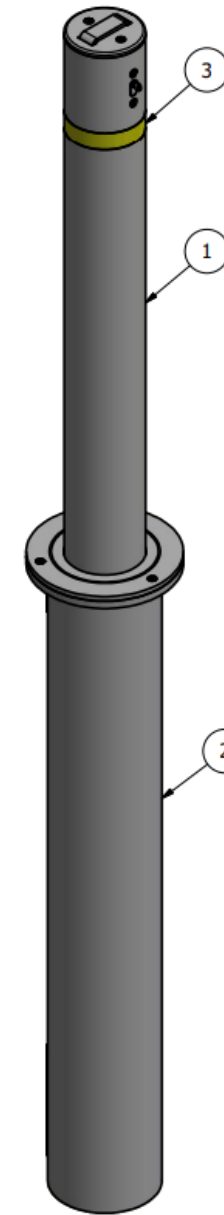
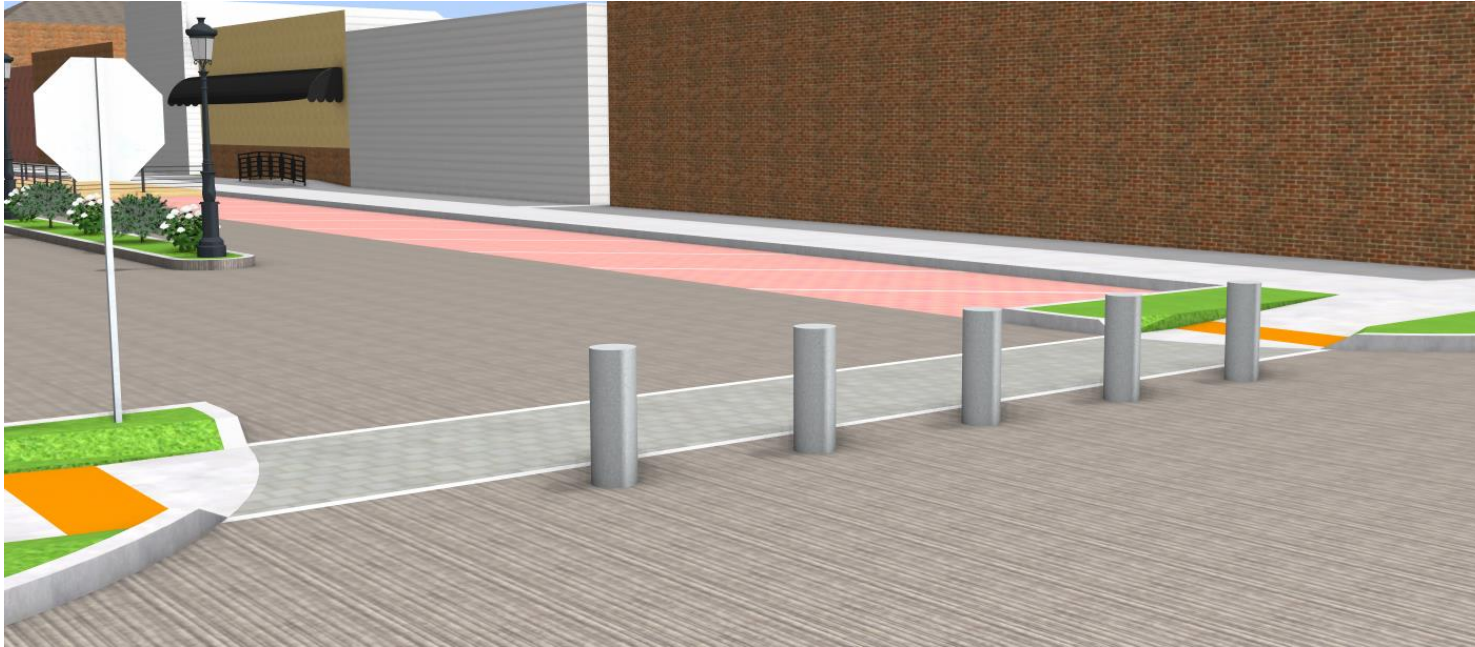
Parking Overhang



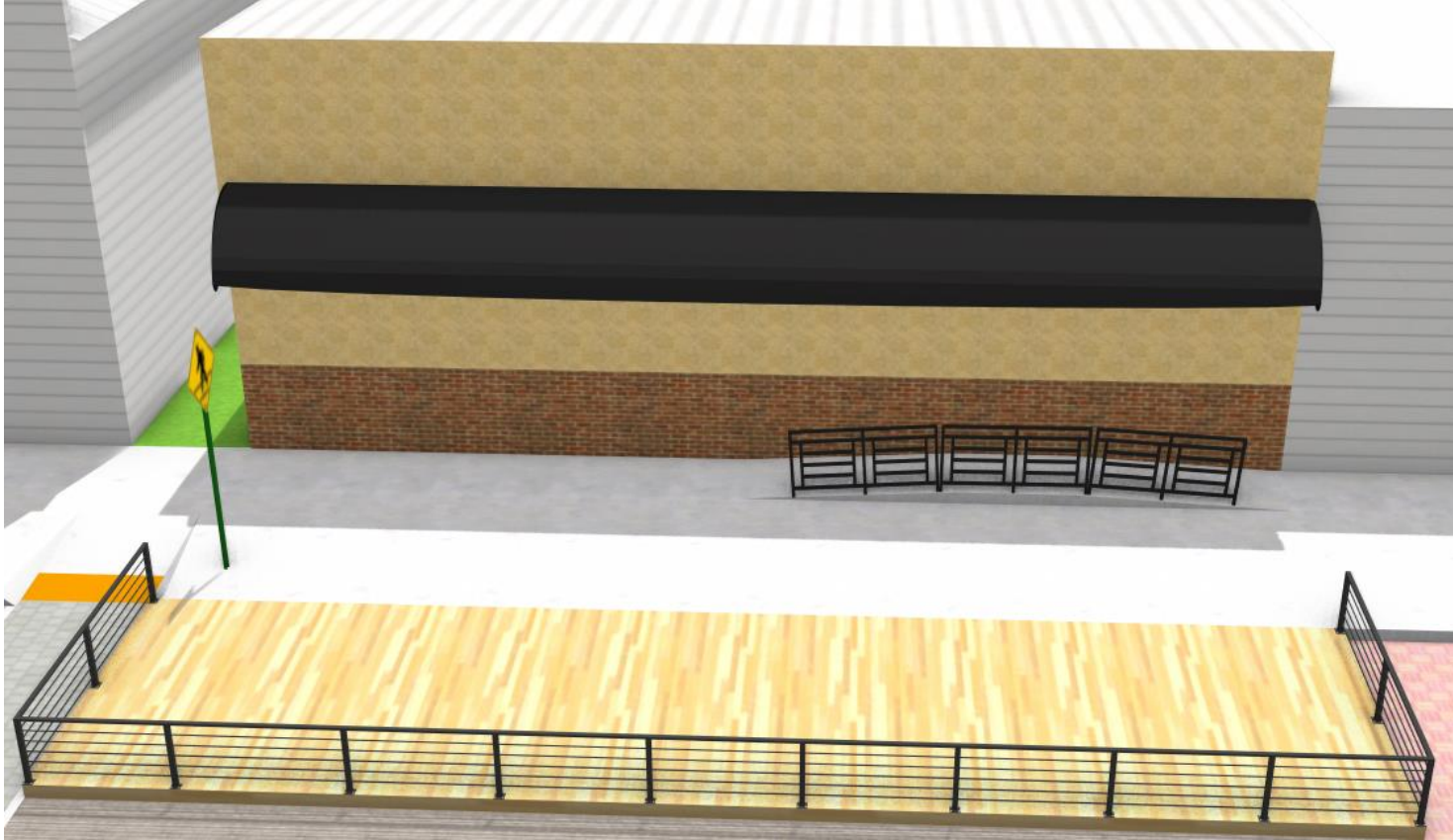
Community Event Space



Retractable Iron Bollards



Broadway Bar & Grill Wooden Patio



Broadway Street Crosswalk



Construction Cost Estimate

\$854,000

Streetwork

\$298,000

Site Features

\$87,000

Sustainability

An isometric architectural rendering of a school campus. The scene includes several buildings with different roof colors (brown, grey, green), a large green lawn, a paved road, and a parking lot. A large yellow text overlay with a black outline is centered over the image.

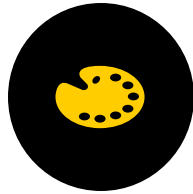
\$1,550,000

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Conclusion



Improved
Functionality



Enhanced
Aesthetics



Public Gathering
Area



Sustainable
Energy



Stormwater
Management



Safety
Enhancements

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Questions?

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