

3rd St. Municipal Parking Lot/Retaining Wall, Muscatine

Project Description:

The project involved renovation of existing municipal parking facilities, private parking areas and driveways. The old retaining wall system which protected the parking areas and existing buildings was badly deteriorated. Forensic studies in 2009 of the walls, drainage and soils indicated that a new, unified wall system was required to replace the old unsafe structures. Shoemaker & Haaland developed the study which identified needed repairs and re-development options. After council approval, SHPE designed improvements and assisted with contracts and construction phases.

The successful contractor's bid price was approximately 20% under the Engineer's estimate. The wall and new paved municipal lot adjacent to the historic Duncan/ church building was completed in 2009.

Landscaping elements will be completed in the spring of 2010.



Project Features:

- A new block gravity retaining wall system was constructed which thematically tied together all of the elements of the historic re-development area.
- SHPE worked closely with Public Works staff, historic district committees and affected property owners to prepare plans which were compatible with the characteristics of the neighborhood.
- Lot utilization patterns were detailed along with landscape amenities, decorative railings and other aesthetics which blended with the historic downtown business district.