

Perrin Park Flood Plan

Perrin Park retains water during major flooding events due to an existing dike. The dike prevents the park from flooding during minor flooding events. During major events, however, the dike and surrounding streets act as the edge of a bowl holding the water in the park.



Image shows the 100-year floodplain and existing dike which surrounds Perrin Park



After flood waters recede, Perrin Park continues to be inundated with water due to the existing dike, which prevents the water from flowing back out



Installing a culvert with a back-up flap valve gate (pictured to the right) and grading the land to drain towards the culvert will enable the water to flow back out of Perrin Park and into the Shell Rock River



Legend

1. ADA-compliant walking trail with benches
2. Culvert through dike with a back-up flap valve gate
3. Vehicle and boat trailer parking area
4. Perrin Park entrance sign and tree plantings
5. Highly visible crosswalks
6. Updated sidewalk
7. Horseshoe courts and tree plantings

Perrin Park Improvements

Perrin Park is the main gathering place for community events such as River Days, Greene's annual celebration, and is considered an asset to the community (re: Assets, Board 3e).

Proposed improvements for the park include:

- An accessible trail (re: Barriers, Board 3d) into and around the park's featured green space including access to the play equipment. The trail would also include benches near the playground area (Re: Desired Improvements, Board 3f).
- A pipe through the dike with a back-up flap valve gate to allow the dike to keep minor flood waters out but allowing trapped flood waters to drain back into the river. Currently, the city pumps the flood waters out of the park after major flood events. Reviewing the Elevation and Flood Hazard analysis (board 2d) shows the low elevation of Perrin Park and its flood risk.
- A new parking lot across the street from the existing vehicular entrance with spaces for both vehicles with and without boat trailers. This area will provide a prominent space for a new park sign and an enhanced park entrance area. An updated sidewalk along S 1st Street to Traer Street is also proposed (Re: Emerging Themes, Board 3c).
- A horseshoe court nearby on a FEMA buyout property that previously held Greene's City Hall.

Greene Perrin Park Improvements

RITLAND+KUIPER Landscape Architects

Landscape Architects: Craig Ritland, FASLA & Samantha Price, PLA
Landscape Architecture Intern: Peter Reyland

Iowa State University | Trees Forever | Iowa Department of Transportation

