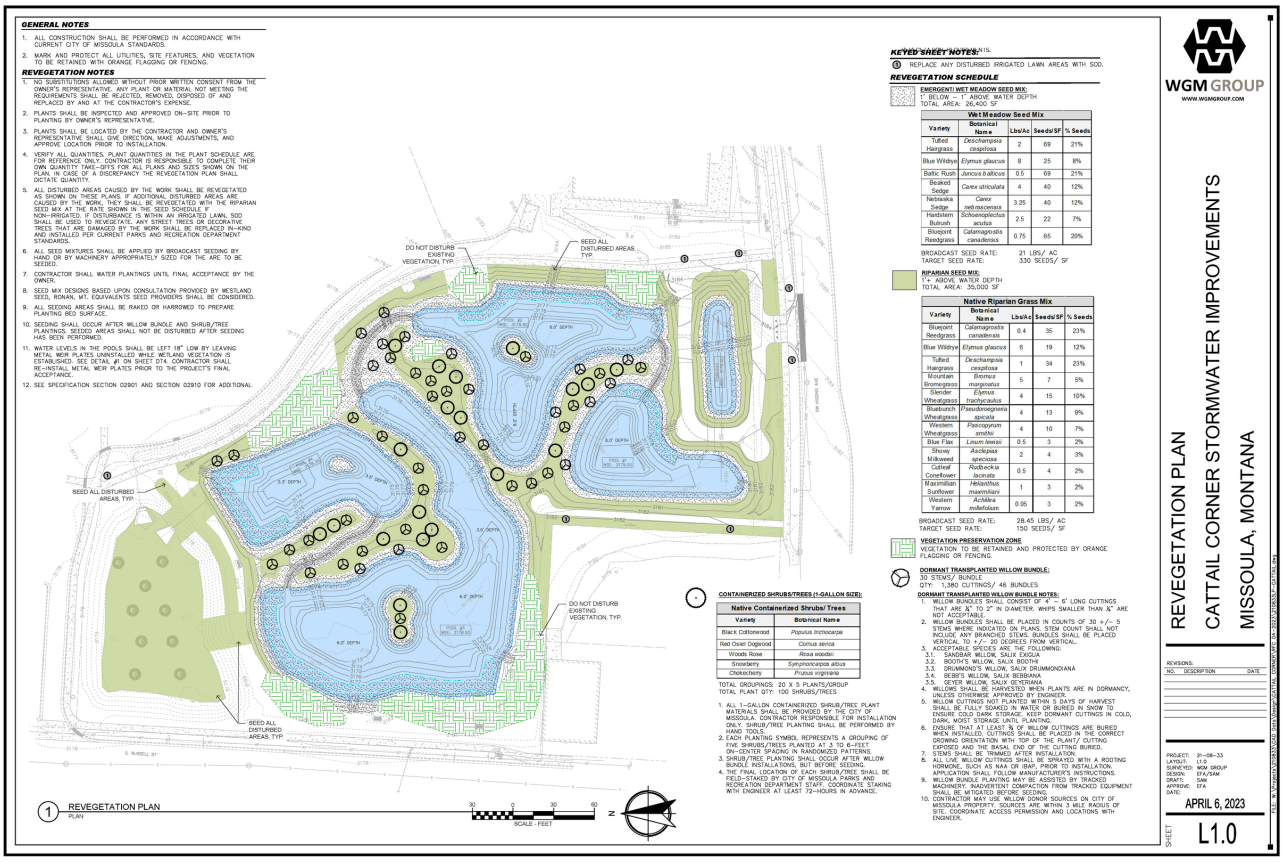
2024 Stormwater Completed Projects

Cattail Corner Stormwater Improvements



UPDATE: June 6, 2024

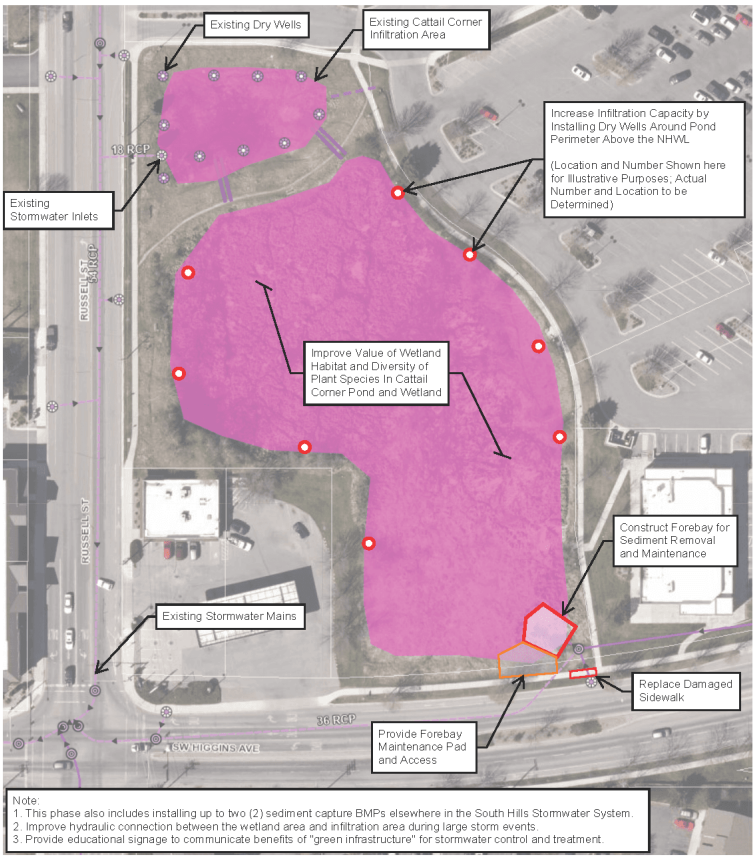
The restoration group helping with Cattail Corner is installing a goose baffle around some of the ponds. This is meant to prevent geese from continuing to eat the vegetation seeds and seedlings needed to restore the pond and prevent erosion. Geese can still land in the water and can access certain areas, but they won't be able to reach newly seeded areas. The baffle will be removed once the vegetation has had a chance to grow and become established.

UPDATE: May 15, 2024

Construction on the Cattail Corner site is completed, but we are leaving the construction fencing in place to allow time for the native vegetation to become established. **NOTE:** The primary function of the site is to retain stormwater and to allow for the natural biological treatment of urban stormwater.

Cattail Corner - Phase 3

Cattail Corner is a key component of the South Hills Stormwater System. As the South Hills developed, stormwater discharge in the High Park drainage increased and was discharged to the valley floor where it percolated into the soils near Russel and 39th Street. Over time, silt accumulated and a wetland formed in what was previously a dry, low-lying basin. The wetland area was - and is - dominated by cattails, earning it the name Cattail Corner. In 1995 the site was dedicated to the City of Missoula as an urban wetland park and was incorporated into the City's stormwater system in the early 2000s. Improvements to Cattail Corner are proposed to increase its value as a wetland and as a stormwater control structure by increasing plant species diversity and simplifying maintenance. Additional infiltration capacity in Cattail Corner is required to offset the additional stormwater captured by project phase 2.



Description: This phase of the South Hills Stormwater Project will improve how Cattail Corner functions as a stormwater treatment wetland. Additional work will be done to offset increased flows to the storm drain system due to the Gharrett Street Project.

Primary goals for Cattail Corner include:

- increase stormwater infiltration capacity by installing dry wells around the pond,
- restore stormwater retention capacity by removing accumulated sediment,
- improve natural biological treatment of urban stormwater (additional water volume in the pond allows the stormwater to remain in the pond longer, providing more time for plants to remove and process nutrients in the stormwater),
- increase wetland biological diversity and habitat values by planting additional native plant species and removing invasive species, and
- construct a forebay to improve access to the pond for easier and less disruptive future maintenance.

This phase also includes the design and construction of two water quality unit retrofits on the existing storm main to remove debris from stormwater before it enters the rest of the stormwater system.

Public Benefits: Makes Cattail Pond and wetlands into a well-functioning stormwater treatment facility that uses "green infrastructure" to treat urban stormwater. The result will be a healthier wetlands and pond area.

For information about green infrastructure, visit www.ci.missoula.mt.us/2678/Green-Infrastructure.

Additional Information: City staff, as well as the project's engineering consultant and contractor, worked with a wildlife biologist/ornithologist to determine the best time of year to begin the project so as to have the least amount of impact to the area as possible.

Project Dates: Starts July 17, 2023, with completion expected in October. Vegetation planting will begin right afterward as long as weather and temperatures allow. Otherwise, planting will take place in the spring of 2024. This post will be updated when additional information is available.

Cattail Corner Area Map

Cattail Corner Revegetation Plan

Project Contact: Adam Marsh, Utility Engineer, email MarshA@ci.missoula.mt.us or call 406-552-8835

Previous public outreach on these projects:

South Hills Project Slideshow Presentation (pdf) (from April 7, 2022, public meeting)

Public Meeting Presentation Video

Gharrett Street Stormwater Improvements

Description: This phase of the project will address a variety of stormwater issues along the Gharrett Street corridor, including the following:

- **Gharrett St. (55th St. to Rufus Rd)**
    - Re-grade a portion of the street to eliminate ponding.
    - Install ADA crossings and curb and gutter extensions.
- **Bonnie Ct., Anthony Ln, Highwood Dr., and Valley View Dr. Intersections** – Improve gutter on west side of intersection.
- **Storm Drain Extension** – Extend stormwater main about 590 linear feet from Cardinal Dr. to Arcadia Dr., and install new inlets at intersections.
- **Water Quality Unit** – Install a new hydrodynamic separator (HDS) into the new storm drain system to serve the Gharrett St. drainage. The HDS will improve water quality by removing large debris from the stormwater before it makes its way to the Bitterroot River.

Public Benefits: Improved removal of stormwater from City streets. This helps prevent ice from forming on streets and adjacent sidewalks, which can be a safety hazard for pedestrians, motorized vehicles, and bicyclists. It also prevents accelerated damage to street and sidewalk infrastructure.

Project Dates: Work begins July 10, 2023, and is essentially complete with traffic control to be removed October 20. These dates are subject to change to due inclement weather or other factors. This page will be updated as needed.

Gharrett Street Project Area Map

Detour Maps — Work will start at Briggs St. and move south to 55th St.

ADDITIONAL INFORMATION

Traffic Control and Safety: Maintaining a safe work environment, both for our crews and the general public, is extremely important to the City. Road closure signs will be used to divert thru-traffic while crews are actively working on certain blocks. Local traffic for residents needing access to their driveways will still be allowed though you may have to work with the contractor to accommodate your individual access needs.

On-Street Parking: When the City's contractor is ready to mobilize their equipment to work on a particular block, they will post signs for all cars currently parked on that block to move within 24 hours. If those cars are not moved within that period, the contractor will arrange to have them towed to a side street adjacent to the project.

Project Contact: Adam Marsh, Utility Engineer, at MarshA@ci.missoula.mt.us or 406-552-8835

Previous public outreach on this project:

South Hills Project Slideshow Presentation (pdf) (from April 7, 2022, public meeting)

Public Meeting Presentation Video

Grandview Way Stormwater Improvements

Description: This first phase of the project will extend stormwater mains up Rita Court and Morningside Court.

Public Benefits: This work will alleviate issues with spring water flowing from private property into the City right of way. Following 2015 and 2020 earthquakes in the South Hills, new springs emerged on private property near Grandview Springs. These springs flow year-round, depositing more water on private property than the homeowners can handle. The water then ends up flowing onto adjacent sidewalks and streets, causing public safety issues when the water freezes. In addition, the excess water on the streets and sidewalks–including freezing and thawing cycles–damages the infrastructure, requiring frequent repairs and shortening its lifespan.

Project Dates: Phase 1 is expected to begin June 26 with completion expected by August 28. All project dates are subject to change due to adverse weather conditions and other factors. This page will be updated as necessary during the project.

Grandview Way Project Area Map

Project Contact: Adam Marsh, Utility Engineer, at MarshA@ci.missoula.mt.us or 406-552-8835

Previous public outreach on this project:

South Hills Project Slideshow Presentation (pdf) (from April 7, 2022, public meeting)

Public Meeting Presentation Video