

City of River Falls Yard Waste Facility Storm Water Pollution Plan

Prepared for:
City of River Falls

July 17, 2024

Prepared by:
Stantec Consulting Services

Project/File:
193807210



July 17, 2024

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RIVER FALLS YARD WASTE FACILITY STORM WATER POLLUTION PREVENTION PLAN

Overview
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1.0 OVERVIEW

This document outlines the City of River Falls yard waste site management in accordance with Wisconsin's MS4 DNR program. This document includes requirements outlined in the WPDES Permit No. WI-S050075-3. This document provides information on the current conditions of the site, facility information, best management practices, good housekeeping, maintenance procedures, and spill prevention measures.

1.1 Location and Contact Information

The City of River Falls is split between two counties, St. Croix County to the north and Pierce County to the south, along West Division Street. The City's yard waste site is located at 901 West Locust Street north of the Kinnikinnic River. This site was originally a concrete facility and converted to a City-run yard waste site.

The yard waste site is open to the public to drop off yard waste, shrubbery, and tree branches. This site is a self-service site and is occasionally staffed by the City. The yard waste site consists of a large 80,000 square foot paved gravel surface and a 1,500 square foot pole barn at the western edge of the site that is used to house a front loader and store other public works equipment such as plow blades for winter.

The yard waste site opens in April and closes at the end of November depending on weather conditions. Hours of operation are Tuesday and Thursday from 4 p.m. to 7 p.m. and Saturday and Sunday from 9 a.m. to 3 p.m. The City uses public outreach such as the City's website and newsletter to provide instructions to residents for proper management and disposal of yard waste. See attached City Yard Waste Site Figure for the project location.

The contact information for the site is:

Name of Facility:	City of River Falls Yard Waste Site
Facility Address:	901 West Locust Street River Falls, WI 54022
Primary Facility Contact:	Erica Ellefson Public Works Manager 715-426-3406



RIVER FALLS YARD WASTE FACILITY STORM WATER POLLUTION PREVENTION PLAN

Site Activities and Good House Keeping
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2.0 SITE ACTIVITIES AND GOOD HOUSE KEEPING

2.1 Site Activities

The yard waste site consists of three main stockpiles. These include a drop-off area for tree branches, limbs, and sticks; a grass clippings and leaf pile; and a wood chip pile. All piles sit on top of a compacted impervious surface that drains to an infiltration basin. All maintenance activities are done by a front loader that is stored within the pole barn on site. Stockpiles are pushed up once per week by the front loader. The front loader is also used for routine maintenance of the site, including regrading and repairing ruts and washouts. No vehicle fueling is done on site and a dumpster is provided for residents to dispose of non-compostable yard waste bags.

The City partners with two contractors, Willow River Tree Company and Sylvester's Custom Grinding. Willow River Tree Company hauls all the composted yard waste material to be used for black dirt at the end of each year. Sylvester's Custom Grinding mulches all the wood debris into wood chips. The City uses the produced mulch for trails.



Photo: Yard waste site material piles



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Site Activities and Good House Keeping
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2.2 Drainage

The yard waste site is composed of one major drainage area. This area consists of impervious surface (gravel and millings) in the interior and woods at the perimeter of the site. Drainage runs from north to south, where most of the impervious area is routed to an infiltration basin. There is a large berm that runs around the perimeter of the yard waste site and keeps untreated water onsite. A small portion of the existing entrance driveway drains to an existing pond south of the infiltration basin. Due to the roadway being south of the pond, there is no way to route this water back into the infiltration basin. There is no current storm sewer within the site limits.

The remainder of the drainage area including an offsite area from the back of residential homes is routed through a large earthen channel along the western property line. This drainage outlets to the south into a large wetland area. See the attached City Yard Waste Site figure for drainage flow paths and the infiltration basin location.

2.3 Best Management Practices

The yard waste site utilizes a 2,000-square foot grassed infiltration basin at the southwest corner of the site south of the pole barn. The soils are sandy loams (Hydrologic Soil Group A per the NRCS web soil survey map). These soils are ideal for infiltrating water. The basin has an emergency overflow that discharges water to the south pond during large events; otherwise, the basin has the capacity to infiltrate all water from the site.



Photos: (left photo) Channel at downslope of berm. (right photo) Infiltration basin and swale.



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Site Activities and Good House Keeping
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2.4 Good Housekeeping Practices

Good housekeeping practices are designed to maintain a clean and orderly work environment. This will reduce the potential for detrimental materials to come into contact with stormwater. The following practices are included in the City's good housekeeping routine.

- Garage areas are maintained in a clean and orderly manner.
- Outdoor material is kept in stockpiles and overflow is cleaned up on a regular basis.
- Maintenance work on the front loader is done annually to repair equipment deficiencies at the City's public works maintenance shop.



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Maintenance and Spill Response Plan
July 17, 2024

3.0 MAINTENANCE AND SPILL RESPONSE PLAN

3.1 Summary of Potential Pollutant Sources

Based on site visit observations, the biggest potential pollutant is sediment washout and yard waste. These areas are all captured by the site's infiltration basin. During large rainfall and snowmelt events, the site is closed to the public until the gravel is fully dried. Any material washout from the uncovered piles is moved back to the original piles. The piles are also placed at the most upstream end of the paved area reducing potential for material entering the infiltration basin.

3.2 Spills and Leaks

The front loader has routinely scheduled maintenance. Minor spills and leaks are treated with absorbent pads or materials. All material used in spill cleanup is properly stored and disposed of. If illegal dumping occurs on site, the City takes action to remediate the spill or waste. For large or hazardous spills and leaks, the City will contact the local fire department.

3.3 Preventive Maintenance

Preventive maintenance involves the regular inspection, testing, and cleaning of facility equipment and operational systems. Routine inspection and maintenance of the site and vehicles helps uncover and address issues before they arise. The following equipment/activities are included in the City's preventive maintenance program:

- Annual inspection and repair of municipal vehicles and other equipment.
- Oil and fluids used for maintenance, as well as tanks for waste fluids, are stored appropriately in the garages.



RIVER FALLS YARD WASTE FACILITY STORM WATER POLLUTION PREVENTION PLAN

Maintenance and Spill Response Plan
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Photo: Outside of pole barn shed



RIVER FALLS YARD WASTE FACILITY STORM WATER POLLUTION PREVENTION PLAN

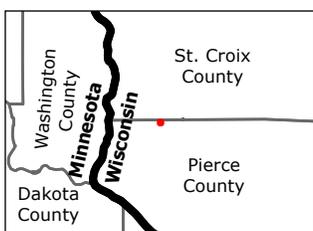
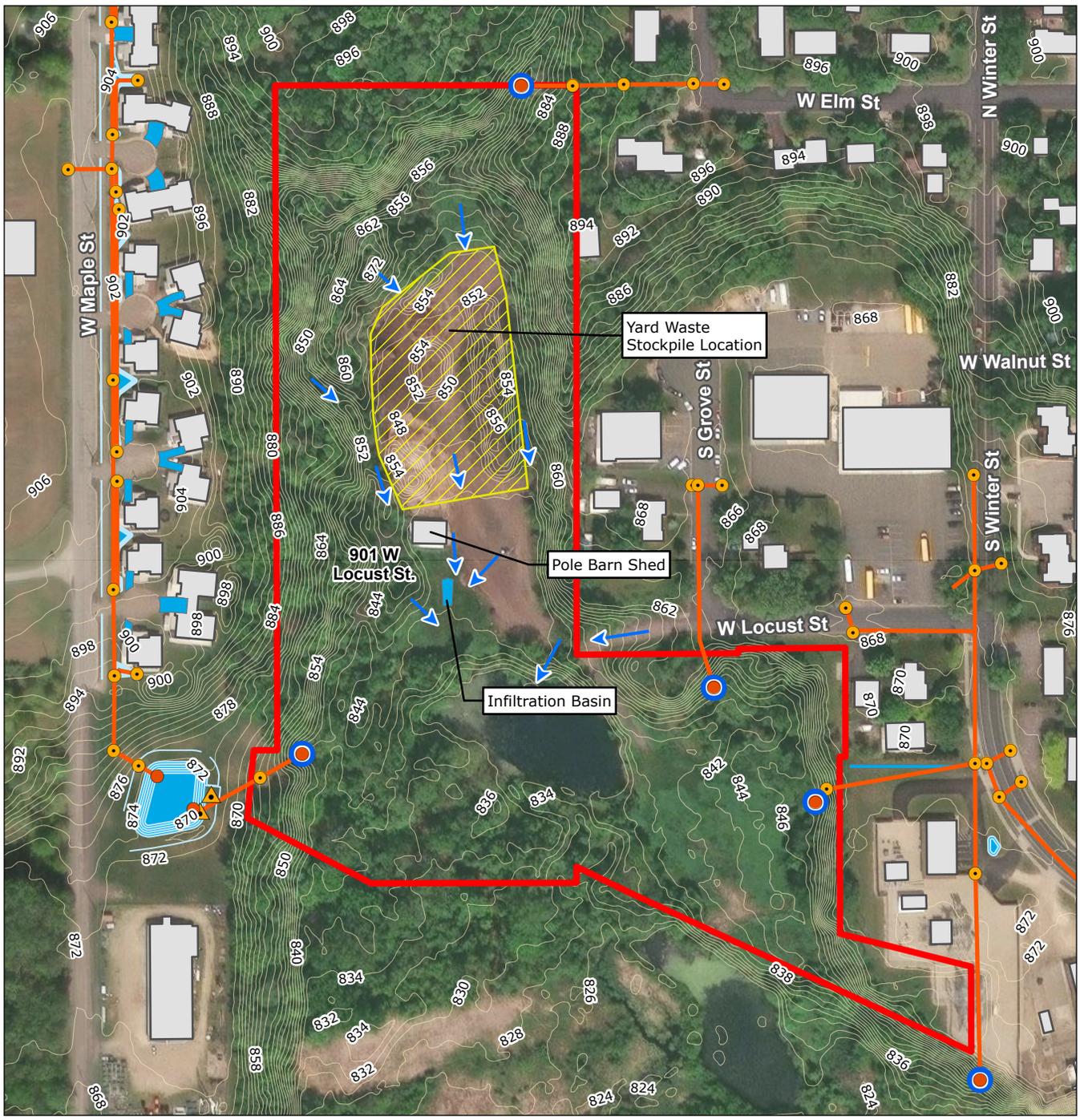
Maintenance and Spill Response Plan
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Photo: Interior of shed

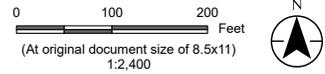


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Notes
 1. Coordinate System: NAD 1983 UTM Zone 15N
 2. Data Sources: ESRI
 3. Background: ESRI World Imagery, 2023

- Legend**
- Property Boundary
 - Stockpile Location
 - Stormwater Ponds
 - Building Footprints
 - 2 ft Contours
 - Pond Contours
 - ➔ Drainage Direction
 - Stormwater Pipes
 - Outfalls
 - Aprons
 - Stormwater Structures
 - ▲ Pond Outlet Structures



Project Location
 T27N, R19W, S01
 River Falls, Pierce Co., WI

Prepared by LAH on 2024-07-19

Client/Project
 City of River Falls
 901 W Locust St.

193807210

Figure No.
 1

Title
City Yard Waste Site

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