



Fall Sweeping Action Plan

This document addresses the City of Spokane Valley's Fall Sweeping Action Plan and outlines the purposes, responsibilities, service areas, and approaches to the work. You are welcome to make comments, suggestions, or pose questions regarding this document to the City's Stormwater Utility (SWU).

SWU is responsible for implementing and administering the Fall Sweeping Program. The City contracts to provide street sweeping services during the fall months. The City's Street Superintendent leads the fall sweep operation, giving direction to the Contractor, and inspecting the work. Program details and suggested changes are referred to SWU personnel for consideration to incorporate into periodic updates.

Fall Sweeping Purposes

Fall sweeping keeps City streets operational and protects stormwater infrastructure supporting the street system. To the extent possible and practical, the main reasons for a Fall Sweep include:

1. Reduce street flooding by clearing debris that could obstruct stormwater from flowing into City street inlets and grates.
2. Improve vehicle traction in areas of heavy leaf drop.
3. Extend life span of stormwater drainage fields by limiting street debris transported into the stormwater system.
4. Reduce possible pollutants to air, surface water, and groundwater.

Fall Sweeping Service Area Map

The City has prepared a Service Area Map specifically for the Fall Sweeping effort which delineates work zones. The map shows the sweeping priority for various areas, based on the density of mature pine and mature deciduous type trees. A copy of the map should be attached with this document.

Work Approach

Direction to Start

The direction to start the Fall Sweep will come from the City through the City's Street Superintendent at the time that the Deputy City Manager concurs with recommendations from SWU staff. Starting the sweep too soon could mean not getting more of the leaves and needles on the one first pass, and waiting too long could mean not getting to all areas before freezing weather makes it impossible to

sweep. Therefore it is critical that the Contractor provide as many approved sweeping units as is possible to work within the anticipated short collection window.

First Priority to Complete Arterial Sweeping

The Contractor will be assigned Arterial Sweeping duties during the Fall Sweep and will be expected to complete that work as well as sweeping in the Fall Sweep service areas. The removal of debris from Arterial roadways is a higher priority than sweeping within the Fall Sweep service areas. See the Arterial Sweeping Action Plan.

Order of Operations/Service Area Priorities

After receiving authorization to start, the Street Superintendent will also confirm to the Contractor which Service Areas by number need to be swept in the order of highest priority to lowest.

Sweeping of all curbed areas in Priority 1 and 2 zones is anticipated to be authorized.

Sweeping of Priority 3, Fall Leaf, and other areas will be inspected by City staff during the fall sweep to determine if a whole service area needs sweeping, if non-curbed areas need sweeping due to road traction issues, or if there are specific locations or “hot spots” that need attention but not necessarily the entire service area. The City will direct the Contractor to sweep these lower priority areas as deemed necessary. Specific locations to be swept shall be reviewed and recorded by the City’s Stormwater Utility.

Equipment Usage

Water Trucks and Pressure Washers are allowed for the following uses:

- With prior authorization of the City, the Contractor may, in areas of heavy needle and leaf debris, use a water jet to move debris from the center of the road into a windrow for a curb-line pass pickup by a sweeper. If allowed by the City to follow this practice, the Contractor shall in all cases keep the jetted debris in the street and collect the windrow with a sweeper within 30 minutes. Windrows in all cases shall not be left overnight.

Mechanical Sweepers are allowed for the following uses:

- Use of Mechanical Sweepers is with City approval only.
- Mechanical sweepers shall only be utilized for large particle and volume pickup in specific locations where the City deems the debris load high enough to warrant use.

Regenerative Sweepers

- Regenerative Sweepers are to be the main type of equipment for sweeping in the City, with most curbed streets and lane miles being initially swept with a Regenerative Air Sweeper.
- Areas depicted by the City with permeable surfacing should not be swept with a Regenerative Air Sweeper.

High Efficiency Vacuum Sweepers

- Only High Efficiency Vacuum Sweepers are to be used in areas with permeable surfacing. No other form of cleaning the street should be used in these areas.

- A High Efficiency Vacuum Sweeper may be used as part of the Fall Sweeping effort. The use of this type of sweeper should be in the following order: first arterials, then collectors, and last local streets.

Inclement Weather

Street sweeping shall not be conducted when there are climatic conditions present or forecast that would make such operation ineffectual or dangerous. These conditions include, but are not limited to, heavy rain, wind and gusts greater than 20 mph, snow, sleet and ice, or freezing temperatures.

Day Sweeping Only

The Contractor will only be allowed to sweep within the residential service areas between the hours of 7:00 a.m. and 7:00 p.m. Commercial and Industrial areas may be authorized by the Street Superintendent for other times of day.

Parked Vehicles

Parking is not restricted for street sweeping purposes; residents are asked to voluntarily not park vehicles on the street on their designated sweeping day. The Contractor shall sweep around any vehicle parked on the street.

Obstacles Overhanging Street Curbing

If the Contractor encounters obstacles overhanging the street including branches or basketball hoops in the areas to be swept, the Contractor shall go around the obstacles, unless the sweeping can be maneuvered under the obstacle safely, and without causing damage to the equipment or the obstacle. The Contractor shall notify the City of the location of any and all overhanging branches, which interfere with the Contractor's ability to sweep the designated sweeping areas.

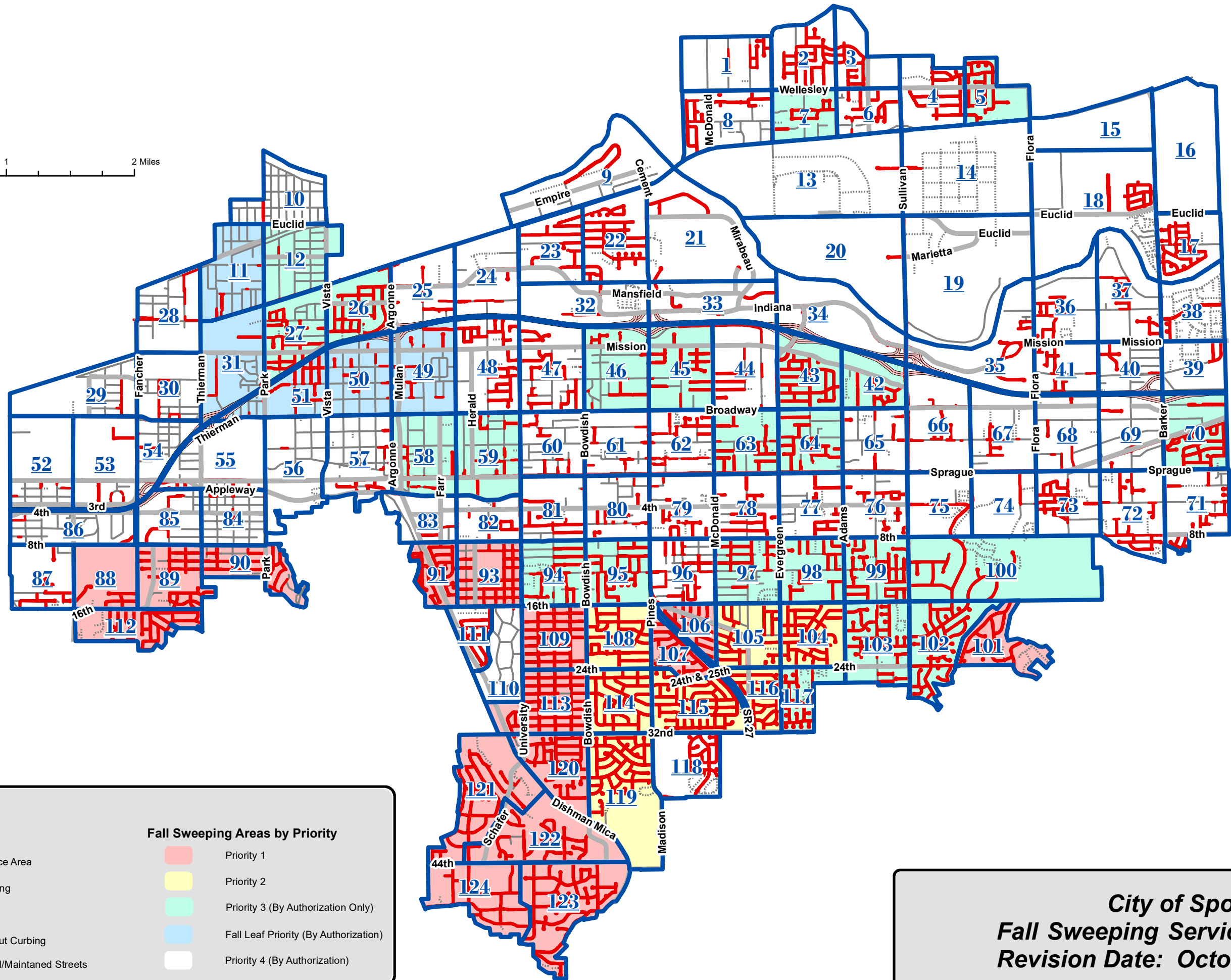
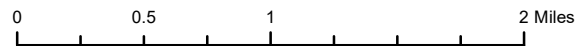
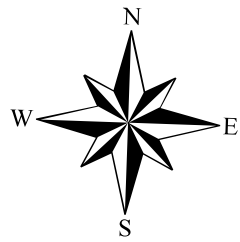
Street Debris Transfer Stations, Disposal, Water Resupply

The City allows the Contractor to temporarily store collected debris at the southeast corner lot at Mission and Pierce, and at the City's street maintenance yard at 17000 E. Euclid. Storage piles of street debris must be removed within 3 months. The City of Spokane Valley currently has the Contractor permanently dispose of street debris at the Graham Road Landfill by means of loader and dump trucks from the transfer station(s).






Water resupply locations are to be coordinated by the Contractor with their water purveyor(s). All locations should be approved by the City prior to use.

Feedback and Review






The City strives to improve response and value it gives to citizens, property owners, and rate payers. Any feedback is appreciated, both positive and/or negative with the overall sweeping program, this plan, implementation, equipment used, weather response, etc. The Stormwater Utility will take all comments and use those to revise and improve future sweeping plans.



Legend

-  Sweeping Service Area
-  Streets w/ Curbing
-  I-90
-  City Streets w/out Curbing
-  Privately Owned/Maintained Streets

Fall Sweeping Areas by Priority

-  Priority 1
-  Priority 2
-  Priority 3 (By Authorization Only)
-  Fall Leaf Priority (By Authorization)
-  Priority 4 (By Authorization)

**City of Spokane Valley
Fall Sweeping Service Area Map
Revision Date: October 2018**