



Road Network Snow and Ice Policy

Effective Date: December 15, 2009

Revised Date: June 19, 2012

Revised Date: July 21, 2015

Revised Date: Dec 5, 2017

Policy Statement:

The City maintains a road network that provides safe and efficient transportation corridors for our residents and businesses. This maintenance includes snow and ice control during the winter months. Due to climatic changes this activity can vary from very limited response to a full scale emergency.

Purpose:

The purpose of this policy is to establish guidelines and set priorities for snow and ice removal activities for the road network corridors throughout the City of Pitt Meadows.

Policy:

The City covers a large geographic area and has an extensive road network in relation to the population it serves. With our extensive deep ditches in the rural areas and a number of major transportation routes for commuters and transit vehicles it is important to prioritize our response to ensure both public safety and resource allocation.

There are five phases of response based on climatic conditions and duration of snow storms.

I. Phase One – De-icing

From November to March a standby roster is established utilizing Public Works Staff that rotate on a weekly basis and carry pagers or mobile phones for response to icing issues. The de-icing responder will commence activities when one of the following occurs. He receives a call from the RCMP, On Duty Standby Person, Weather Station, or Supervisor. There are three weather stations that are set to activate the pagers at approximately 3:40 am when the temperature reaches 1 degree Celsius. The responder reports to the works yard and applies brine on an established route to ensure that the main thoroughfares and designated areas are safe to travel for the public in the early morning. If the conditions begin to deteriorate due to snowfall accumulations, the responder is to call the On Duty Standby Person for assistance.



2. Phase Two – Low Intensity Snowstorm (1 to 10cm accumulation – 24hr response time)

For low intensity snow storms, plowing and salting for ice and snow will occur on all designated Snow & Ice Response Routes (see Attachments). Priority will be given to all arterial, collector, bus routes, and school zones with crews working 24 hours a day 7 days a week to maintain all priority and secondary routes, as resources permit. Once these areas have been maintained to the acceptable standard with available resources, our crews will begin clearing the side streets and remaining local roads during normal working hours. Two tandem trucks with sanders, one single axle truck, and rubber tire backhoe would be deployed to deal with this event.

3. Phase Three – Medium Intensity Snowstorm (10 – 30 cm – 48hr response time)

For medium intensity storms, plowing and salting for ice and snow will occur on all designated Snow & Ice Response Routes. Priority will be given to all arterial, collector, bus routes, and school zones with crews working 24 hours a day 7 days a week to maintain all priority and secondary routes, as resources permit. It may be necessary for the crews to remain on the major routes or return at any time during the storm if conditions deteriorate. Once these areas have been maintained to the acceptable standard with available resources, our crews will begin clearing the side streets and remaining local roads during normal working hours. Two tandem trucks with sanders, two single axle trucks, rubber tire backhoe, grader, and bobcat would be deployed to deal with this event.

4. Phase Four – High Intensity Snowstorm (greater than 30cm – 72hr response)

For high intensity storms, all available municipal snow clearing equipment will be dispatched on the Snow and Ice Response Routes. Schedules and shifts will be established on a 12 hour rotational basis involving all available crew members. Priority will be given to all arterial, collector, bus routes, and school zones with crews working 24 hours a day 7 days a week to maintain all priority and secondary routes, as resources permit. It may be necessary for the crews to remain on the major routes or return at any time during the storm if conditions deteriorate. Once these areas have been maintained to the acceptable standard with available resources, our crews will begin clearing the side streets and remaining local roads during normal working hours. Three tandem trucks with sanders, two single axle trucks, rubber tire backhoe, grader, and bobcat would be deployed to deal with this event. It may be necessary during this phase to hire support equipment from the private sector if available and we are unable to cope with the demand.

A customer service representative will be made available to receive calls and answer inquiries during normal working hours.

5. Phase Five – Clean up

The clearing of bus stop landing areas, intersections, designated crosswalks, and catch basins.

Exclusions:

This policy does not apply to provincial or regional highways, or transportation corridors located on private property. The private property owner is responsible for maintenance and care of their respective areas.

Procedures & Guidelines:

The Road Network Snow and Ice Policy establishes the priorities and provides clear direction for our response activities for consistency and clarity both for our responders and the general public to understand how the City deploys resources in response to snow and ice events.

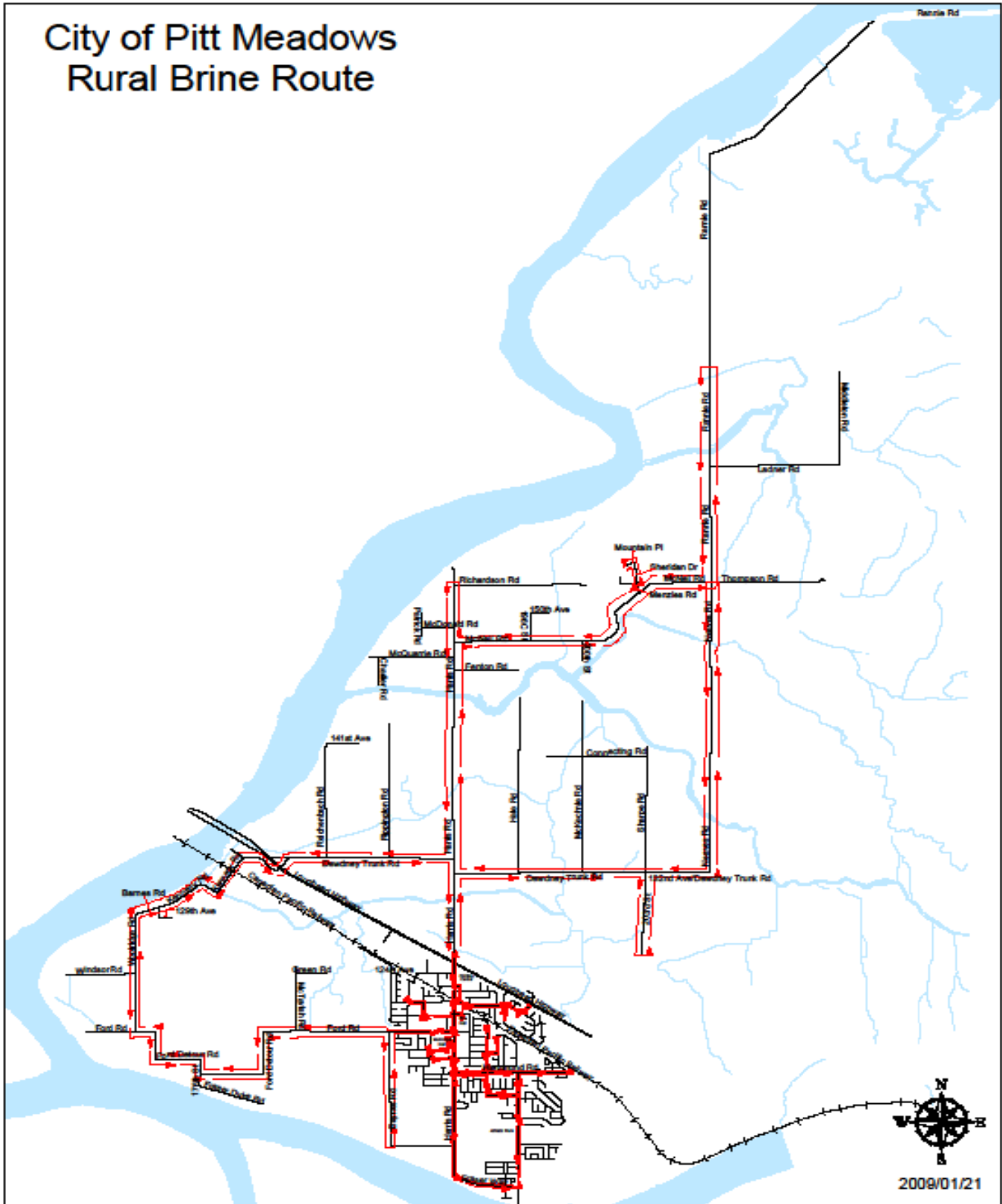
The principles within this policy are integrated within internal standard operating procedures containing detailed procedures and guidelines to be followed by staff during snow events.

Attachments:

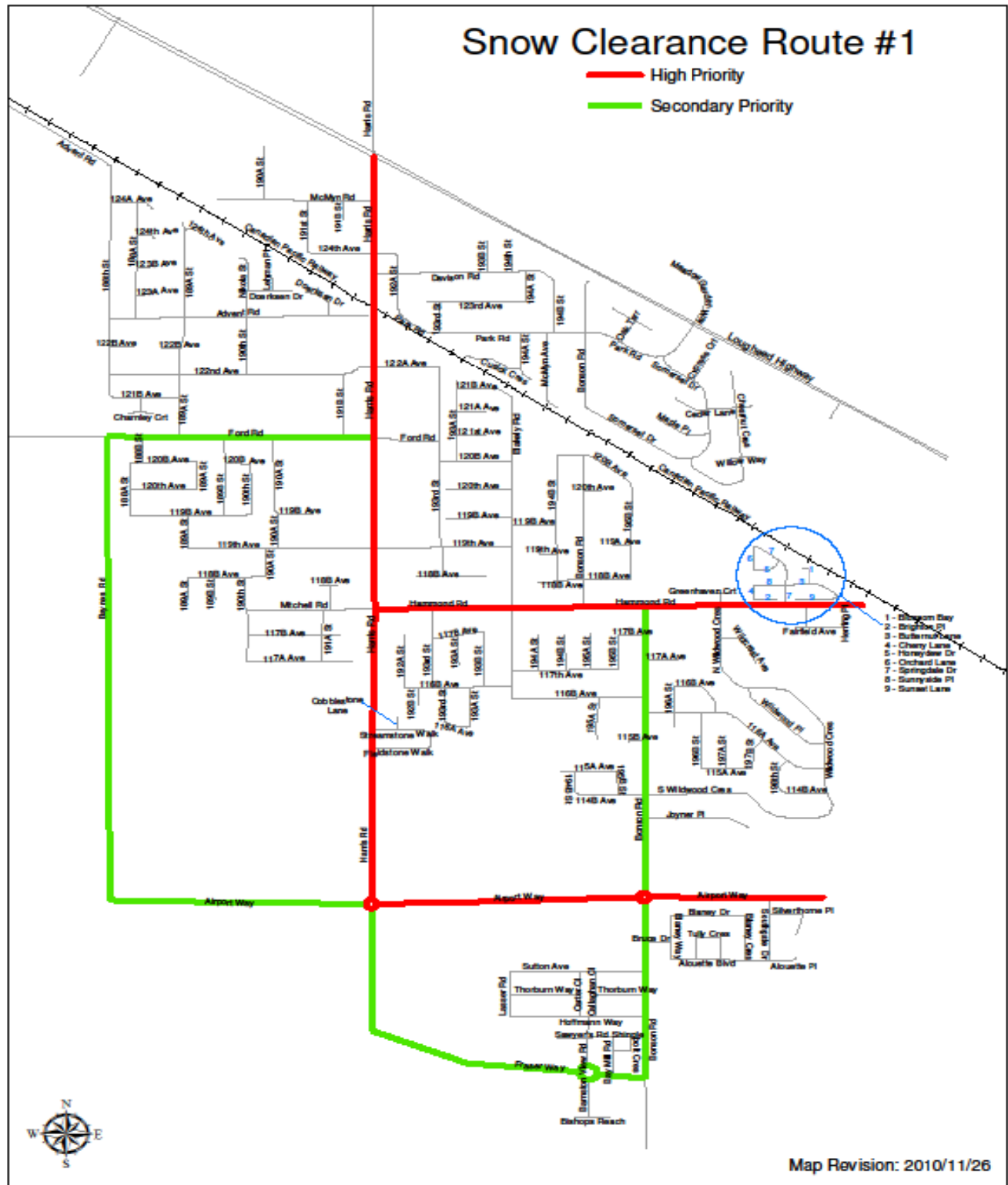
- Brine route
- Road network snow clearance routes 1- 6



City of Pitt Meadows Rural Brine Route



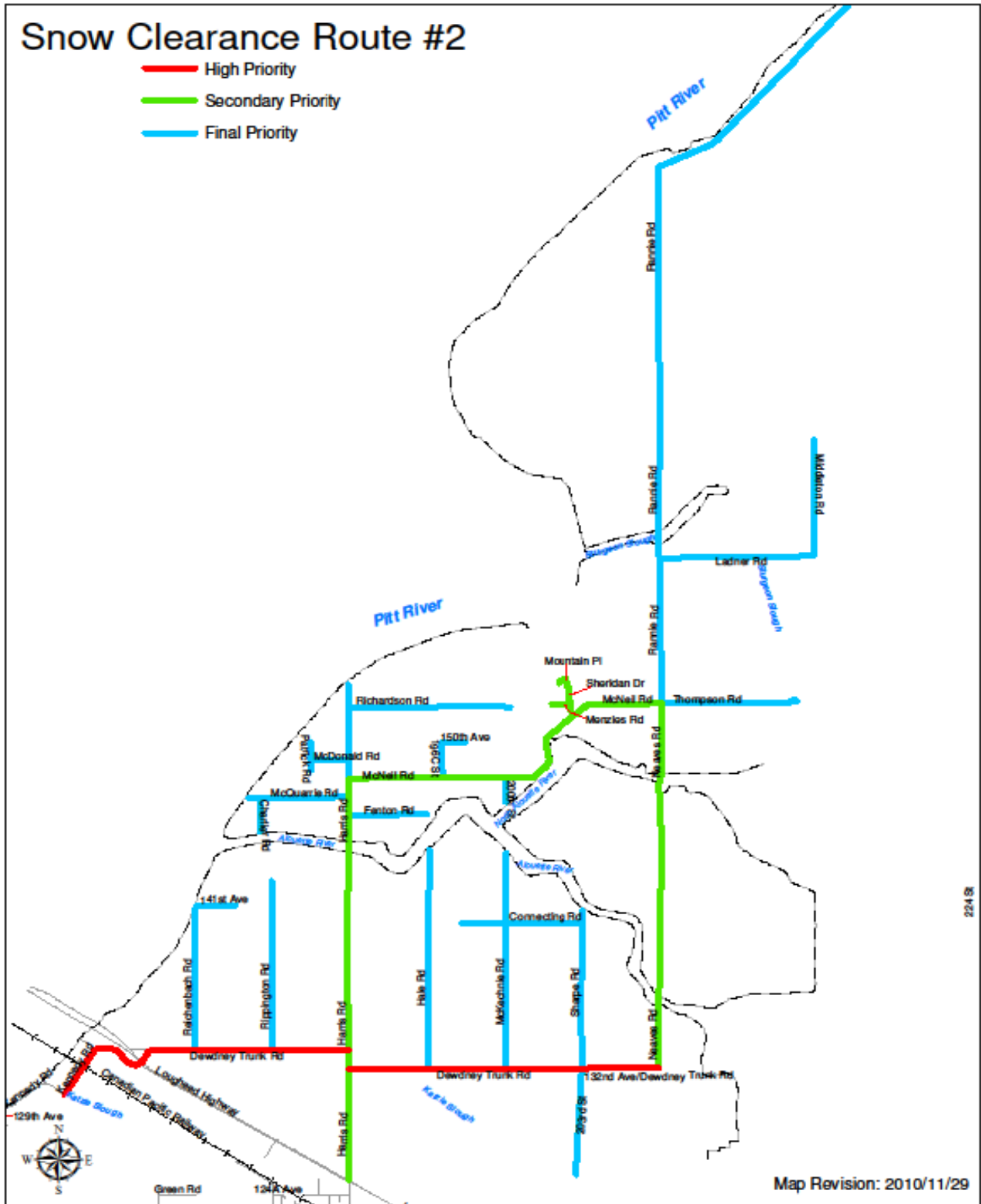
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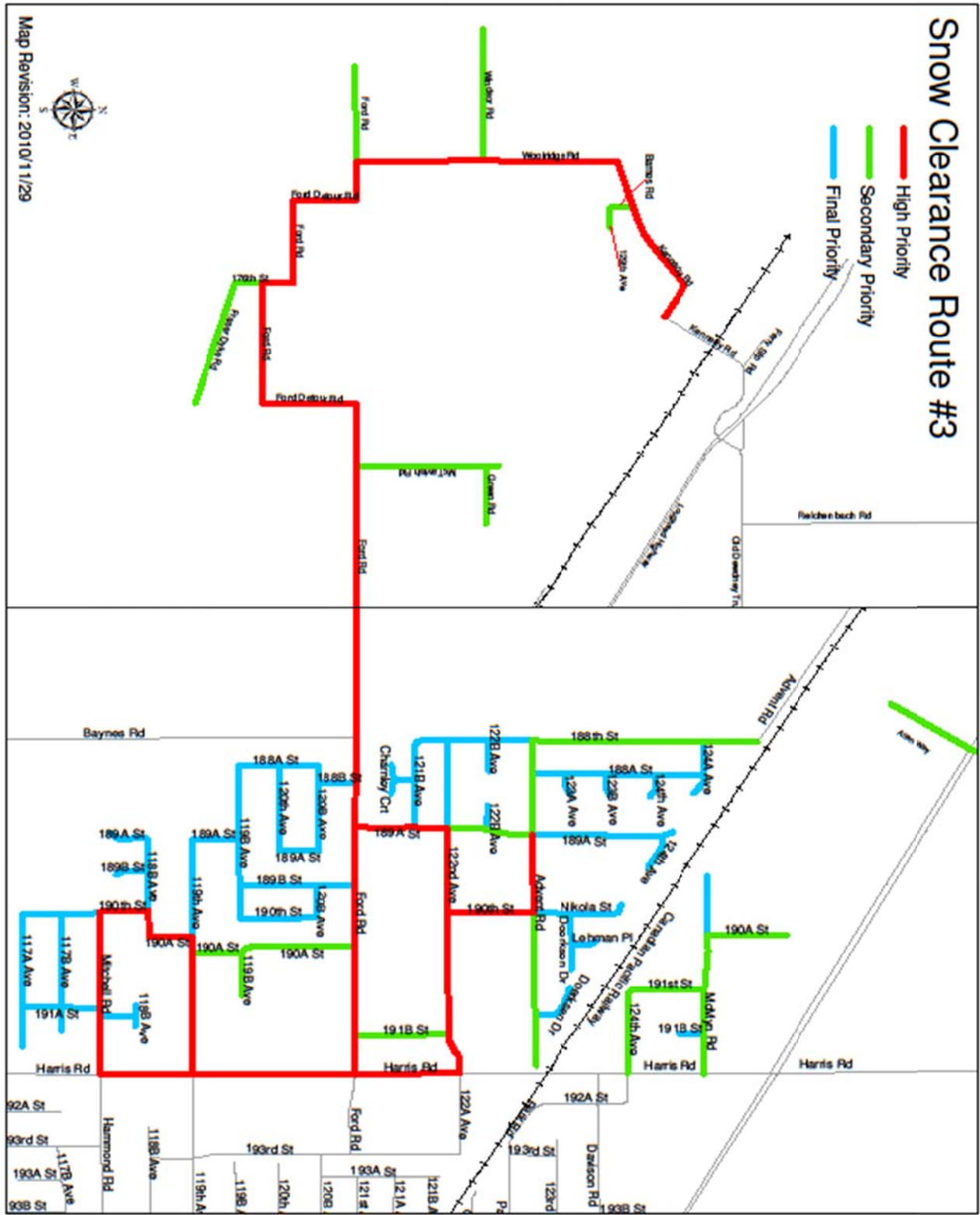


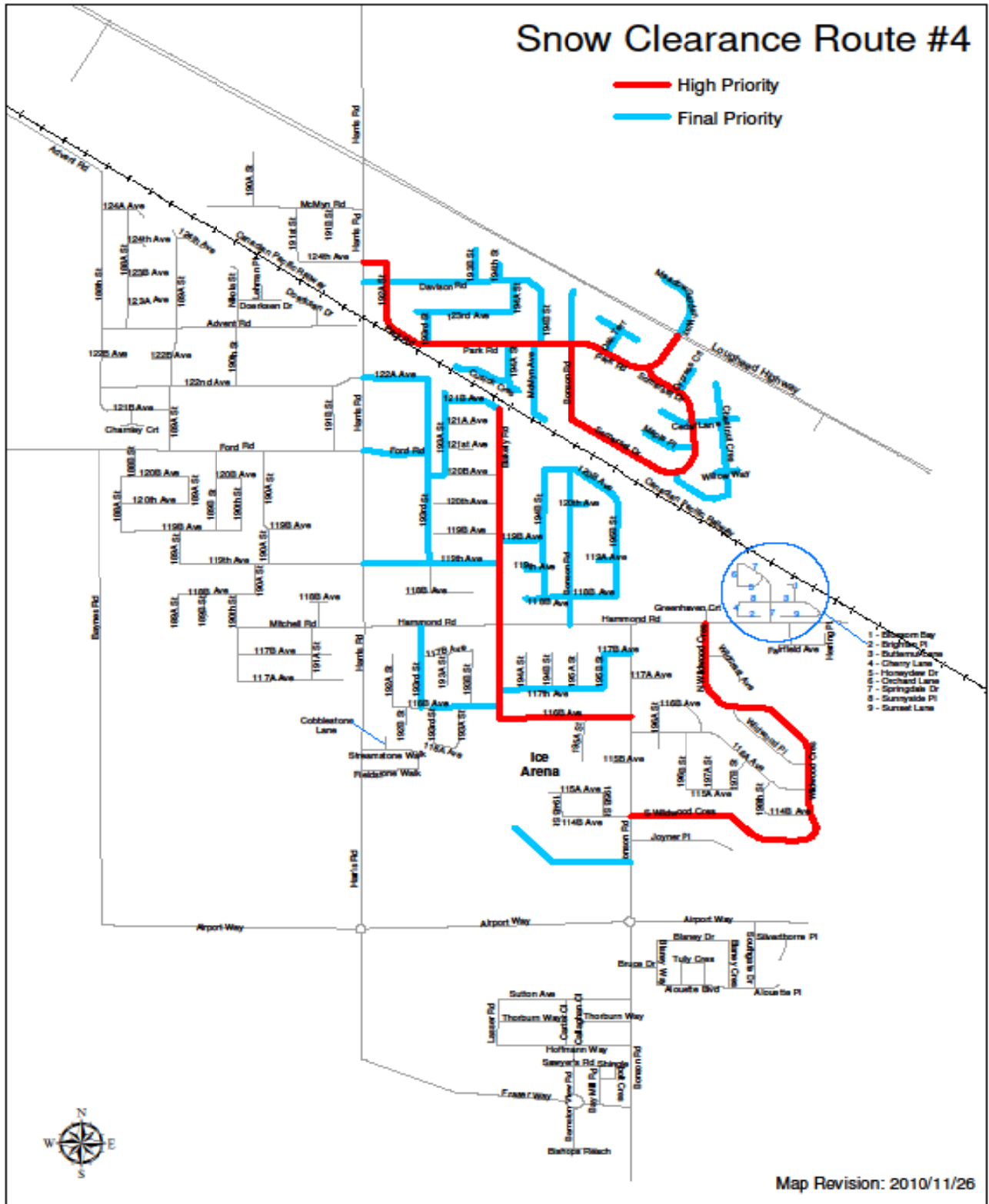
Snow Clearance Route #2

- High Priority
- Secondary Priority
- Final Priority




Map Revision: 2010/11/29

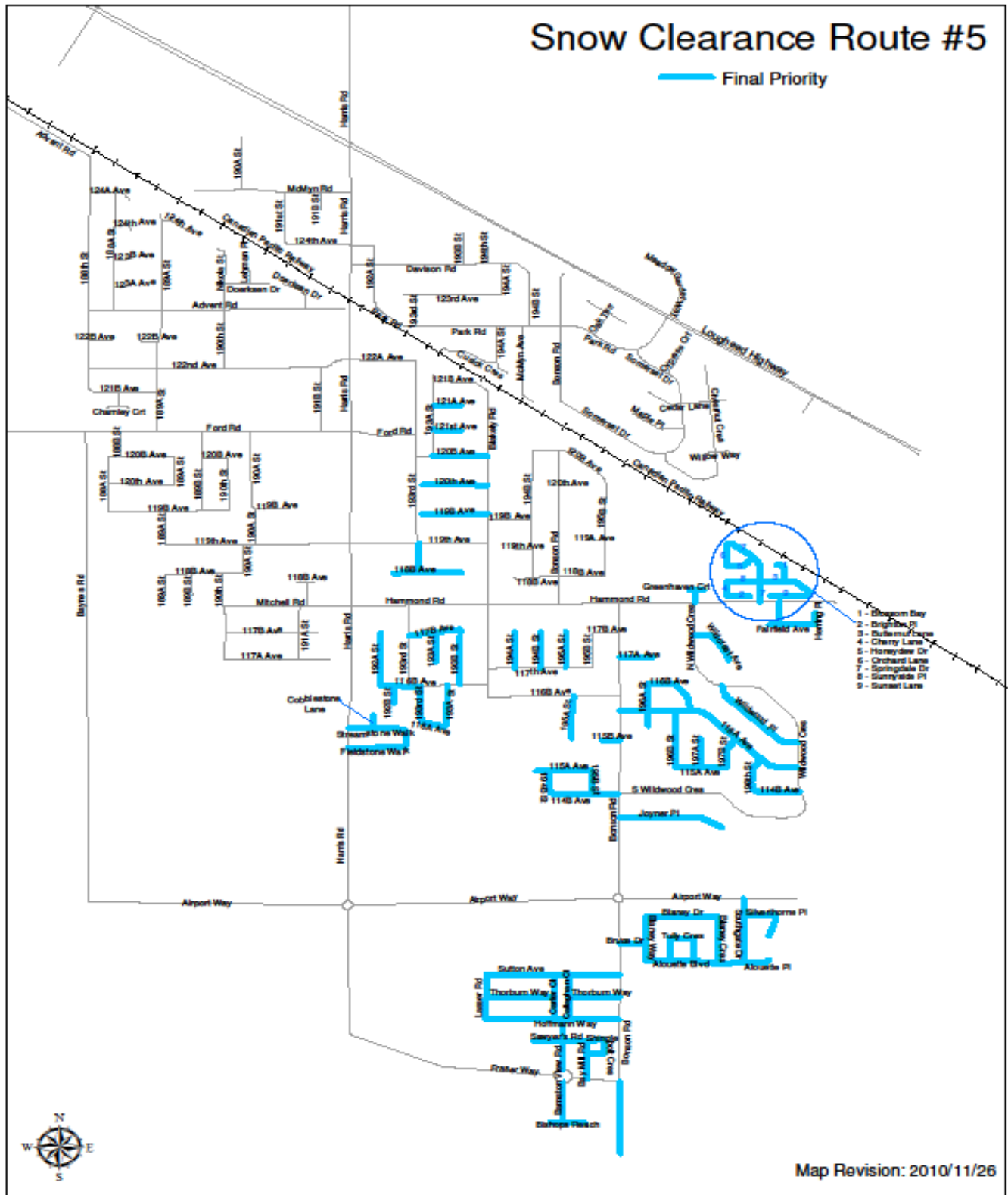






Snow Clearance Route #5

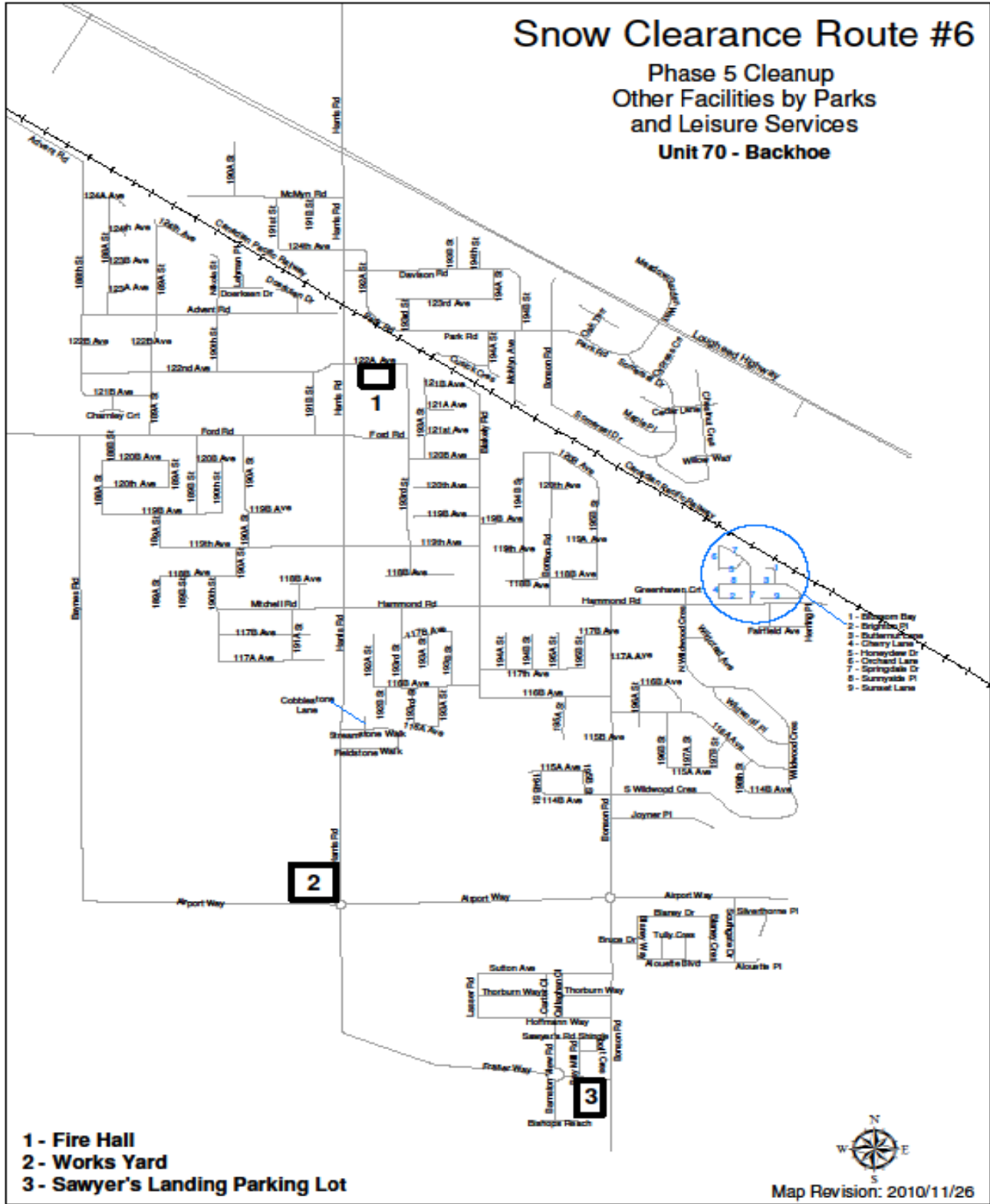
 Final Priority



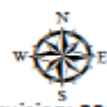


Snow Clearance Route #6

Phase 5 Cleanup
Other Facilities by Parks
and Leisure Services
Unit 70 - Backhoe



- 1 - Fire Hall
- 2 - Works Yard
- 3 - Sawyer's Landing Parking Lot



Map Revision: 2010/11/26