



WELLINGTON NORTH
SEMPER PORRO

Winter Road Maintenance Information

Revised November 8, 2021

WINTER CONTROL FOR ROADS WITHIN THE TOWNSHIP OF WELLINGTON NORTH

The Township of Wellington North is responsible for the maintenance of 331kms of roads. We annually use approximately 5,600 tonnes of sand (including approx. 700 tonnes of recycled sand) and 500 tonnes of salt.

The Township is committed to providing safe roads for the traveling public during the winter season. The Township tries to utilize methods that are efficient, economical and environmentally friendly to achieve this goal.

This document outlines the Township's methods and procedures used for road maintenance during the winter months.

CONTACT LIST

- | | | |
|---------------------------------------|--|--------------------|
| 1. Township Office
Kenilworth | Manager, Transportation Services
Dale Clark
dclark@wellington-north.com | 519-848-3620 x4251 |
| 2. Works Yard
Arthur, Mount Forest | Supervisor, Roads
Andy Morrison
amorrison@wellington-north.com | 519-848-3620 x4530 |
| 3. Works Yard
Kenilworth, Damascus | Supervisor, Roads
David Hill
dhill@wellington-north.com | 519-848-3620 x4527 |

OTHER CONTACTS

- | | | |
|---|---|------------------------------|
| Hwy 6 & 89
King's Highway &
Connecting Link | Owen Sound Highway Maintenance Ltd. 888-222-2640
24/7 Phone Number | |
| Wellington County | Joe de Koning, P.Eng.
Manager of Roads
joedk@wellington.ca | 519-837-2601 x 2270 |
| | Doug Shaw
Area Supervisor | 519-848-2124 |
| Road Closure Contacts: | Guelph Wellington Paramedic Services
Local OPP Office | 519-824-1677
519-323-3130 |
| Fire Stations: | Arthur
Mount Forest | 519-848-3500
519-323-1441 |
| Wellington Dufferin
Student Transportation
Admin Services | Office Administrator
officeadmin@stwdsts.ca | 888-292-2224 |

BOUNDARY CONTACTS

- | | | |
|-----------|---|--------------------------------------|
| Southgate | Public Works Manager
Jim Ellis
jellis@southgate.ca | 519-923-2110 ext 224
888-560-6607 |
|-----------|---|--------------------------------------|

West Grey	Vance Czerwinski Director of Infrastructure & Public Works info@westgrey.com	800-538-9647
Minto	Roads Foreman Mike McIsaac mike@town.minto.on.ca	519-338-2511 x234
East Luther Grand Valley	Public Works Superintendent Henry Rooyakkers mail@townofgrandvalley.ca	519-928-5652 519-928-3140(Shed)
Centre Wellington	Roads Department After hour's emergency:	519-846-9691 x379 519-846-9691
Mapleton	Manager of Public Works Jim Grose jgrose@mapleton.ca	519-638-3313 x043
Salt Supplies	Compass Minerals	https://www.compassminerals.com/
Sand Supplies	Murray Group	519-323-4411

NOTE:

Within the Township, Highway #6 and #89 are maintained by the Ministry of Transportation of Ontario's winter maintenance contractor with patrolling/maintenance being provided out of the MTO Yard.

The Wellington County Roads within the Township are patrolled and maintained from the Arthur County Yard.

The Township of Wellington North provides winter maintenance for Wellington County on County Road #15 in West Luther and County Road #6 (Sligo Road) in Mount Forest.

EQUIPMENT AND MATERIAL

Three of the four Township Work Yards have a sand/salt storage building on site. All three yards use the same mixture of winter sand/salt materials. The Village of Arthur obtains its winter sand from the West Luther Yard.

All storage buildings have sufficient capacity so that we do not need to refill them with sand/salt during the winter season. We fill our sand sheds with our winter sand/salt mix during the summer so the sand is dry when being mixed. This also allows for more efficient clean-up, after the mixing and stacking process.

The winter sand/salt used on rural Township roads is mixed with 7% salt. Winter sand/salt used on urban Township roads is mixed with 10% salt. Pure salt is never applied to roads maintained by Township equipment.

Material is applied to the rural Township roads at a rate of 150kg/km to 750kg/km depending on weather conditions. It takes approximately 8 tonnes of sand/salt to cover the Village of Arthur and approximately 14 tonnes to cover the Town of Mount Forest for each winter event.

The tandem plow trucks when loaded with sand/salt carry enough material to complete each individual route. In Arthur Village the single axle sander/plow truck carries enough material to cover the roads within the Village. In Mount Forest it takes two single axle sander/plow truck loads to cover the roads within the Town.

All sander/plow trucks are equipped with automated spreader controls to ensure uniform sand/salt application rates. The automated spreader controls are calibrated every fall prior to the winter season.

YARD LOCATIONS

Location	Yard Phone Numbers	Yard Supervisor
Arthur Township Yard 7490 Sideroad 7W, Kenilworth	519-848-3620 x4527	David Hill
Arthur Village Yard 488 Eliza Street, Arthur	519-848-3620 x4530	Andy Morrison
Mount Forest Yard 381 Main Street North, Mount Forest	519-848-3620 x4524	Andy Morrison
West Luther Yard 8987 Wellington County Rd 16, Damascus	519-848-3620 x4527	David Hill

EQUIPMENT LIST

Arthur Township Yard

3 tandem sander/plow trucks
2 graders
1 loader

Mount Forest Yard

2 single axle sander/plow truck
1 backhoe
1 tractor and blower
2 sidewalk maintainers

Arthur Village Yard

1 single axle sander/plow truck
1 backhoe
1 tractor and blower
2 sidewalk maintainer

West Luther Yard

3 tandem sander/plow trucks
2 graders
1 loader

SNOW PLOW ROUTES

The Township's rural roads are split into six plow routes. Three routes are run out of the Arthur Township Yard and three routes are run out of the West Luther Yard. The rural plow routes and related information are attached to Schedule "A".

Note: Although included in a rural plow route, snow removal in the Village of Conn is done by a contractor using a tractor and blower. The Township truck is then used to complete the street sanding.

In the Village of Arthur, the plow truck starts on the roads north-east of Smith/George Street and progresses towards roads south-west of Smith/George Street.

Mount Forest is split into five sections and are listed in the order of plowing:

- 1) North of Hwy#89 and west of Hwy#6
- 2) North of Hwy #89 and east of Hwy #6
- 3) South of Hwy #89 and east of Hwy #6
- 4) South of Hwy #89 and west of Hwy #6 and
- 5) Fringe roads including roads East of Egremont Street, Sligo Road including roads north of Sligo Road and roads south of the Saugeen River.

SIDEWALK MAINTENANCE

The Township Work Yards in the Village of Arthur and the Town of Mount Forest are responsible for the winter maintenance of the sidewalks in their respective areas. Arthur has approximately 13kms of sidewalk and Mount Forest has approximately 20kms of sidewalk. Only the sidewalks within these two urban areas are maintained by the Township during the winter months.

Winter maintenance is accomplished by the use of one sidewalk maintainer in Arthur and two sidewalk maintainers in Mount Forest. Operations include sweeping, plowing with a two-way blade, blowing and the application of abrasive materials when required.

Pure salt is spread on the sidewalks in the downtown cores, in areas surrounding institutional properties (schools, hospital) and other high-volume pedestrian traffic areas as determined by Township staff. The other sidewalks do not receive sand or salt unless extreme conditions occur (ice/sleet storm).

Snow is removed on a regular basis from the sidewalks and curb lines in the downtown cores of Arthur and Mount Forest. The Roads Supervisor decides when the snow removal will be done based on factors as public safety, snow accumulation and weather forecasts. The work is generally done between the hours of 2am and 6am using a large tractor/blower to load trucks. Each urban area has a snow dump site and the snow is hauled to the respective sites. Each Spring, once the snow pile melts the litter and debris is collected from these sites and then disposed of in the appropriate manner.

In certain circumstances when sidewalks are located on both sides of a street, outside of the downtown cores, the Township may choose to maintain the sidewalk on only one side of the street. This decision is based on location, safety issues for pedestrians/vehicles and snow accumulations in that area.

Occasionally, snow may be removed from the boulevards, along secondary streets when the accumulation of snow creates safety concerns, visibility issues and/or interferes with the normal snow plowing of the road or sidewalk.

BOUNDARY ROADS

The Township has written Boundary Road Agreements with the Townships of Centre Wellington, East Luther Grand Valley, Mapleton and Southgate.

Township of Centre Wellington

The Township of Centre Wellington maintains Sideroad #25 from County Road #16 East to the E/W Garafraxa Townline. Wellington North maintains Sideroad #25 from County Road #16 West to Jones Baseline.

Township of Mapleton

The Township of Mapleton maintains Sideroad #6 from County Road #109 South to the Eighteenth Line, the Eighteenth Line from Sideroad #6 East to Sideroad #12 and Sideroad #12 from the Eighteenth Line North to Highway #6. Wellington North in turn maintains Sideroad # 9 from Highway #6 East to Jones Baseline, Jones Baseline from Sideroad #9 South to Sideroad #25.

Township of East Luther (Dufferin County)

The Township's of East Luther, Grand Valley and Wellington North alternate years when it comes to performing the maintenance on the two blocks of the East/West Luther Townline that are open year round from Line #4 South to County Road #109, Line 12 north to Highway # 89.

Township of Southgate (Grey County)

The Township of Southgate maintains Southgate #41 from Southgate Road #04 South to the intersection of Wellington Street East. Wellington North maintains London Road from the intersection of Owen Road South to past Albert Street to the dead end.

EXTERNAL AGREEMENTS FOR ROAD MAINTENANCE

County of Wellington

Wellington County annually contracts with Wellington North to perform winter maintenance on County Road #15 from County Road #16 East to the East/West Luther Townline.

Wellington County annually contracts with Wellington North to perform winter maintenance on County Road #6 (Sligo Road) in Mount Forest. Since this is a boundary road with West Grey and Southgate, Wellington North has agreements with them to provide the required winter maintenance. Wellington North maintains Sligo Road from

Highway #89 going East to the intersection of London Road and Southgate maintains Sligo Road from the intersection of London Road going east to the intersection of Southgate Road #04.

County of Grey

Wellington North annually contracts with the County of Grey to maintain Wellington North's half of the boundary road known as Grey Road #109 for a distance of approximately 1.0 kms East of Highway #6.

Ministry of Transportation (MTO)

Wellington North signs annual agreements with the Ministry of Transportation's contractor for them to supply winter maintenance (plowing and sanding) for the highways within the limits of the Connecting Links for the Village of Arthur and the Town of Mount Forest. These agreements run from November 1st to April 1st the following year. In Arthur the agreement covers 1.9 kms of Highway #6 within the Village boundaries and in Mount Forest the agreement covers a total of 5.8 kms for Highway #6 and Highway #89 within the Town boundaries.

HIGHWAY AND COUNTY ROAD CLOSURES

The MTO supplies "Road Closed Signs" to the contractor for the MTO to be used on their respective roads for emergency road closures. Highway closures only occur as a result of notification from the MTO or OPP.

OPERATOR RESPONSIBILITIES

The Township of Wellington North has twelve full time staff and seven temporary contract employees working for the Township during the winter season. Annually, prior to the start of the winter season, the Director of Operations or designate arranges for training related to winter operations and requires all staff involved in winter operations to participate in this training.

The Roads Supervisor, Roads Lead-Hand or designate are on-call seven days a week, or a rotational basis, during the winter season to provide patrolling and to respond to emergency situations on the Township's roads.

Daily patrols for the winter season normally begin November 15th and end by April 15th the following year.

The patrol person is required to keep records of their patrolling activities. All equipment operators are required to keep daily logs which include information on which roads were maintained, the times at which the work was completed, the type of work performed, kilometers driven/truck or hours/grader. The quantity of sand/salt placed on the roads is also recorded.

Equipment operators must operate the Township's equipment in a safe and appropriate manner at all times.

Loader operators are responsible to not overload trucks, to reduce spillage of sand while loading and to clean up the loading area each time trucks are loaded.

Truck drivers are responsible for vehicle inspections and general vehicle maintenance.

It is every Roads Department employee's responsibility:

- a) to ensure that the Township roads are maintained in accordance to the "Minimum Maintenance Standards" for Municipal Highways" and to inform their supervisor of any safety concerns that need to be addressed.
- b) to ensure that the guidelines in the Township's "Salt Management Plan" are followed.
- c) to comply with the Township's Occupational Health and Safety Policy; and
- d) to follow the Employment Standards Act and the Hours of Work for drivers set out in the Highway Traffic Act.

GENERAL

Each Spring the sand swept off of the urban streets is re-screened and re-mixed with salt to be re-used as winter sand for the following winter season.

All trucks and graders have two-way radios for internal communication and as well the radios are programmed to be able to communicate with Wellington County and the Townships within the County bordering on Wellington North. This allows for better co-ordination of boundary road maintenance during severe weather conditions.

The Roads Supervisors meet each Fall with the Upper Grand District School Board to discuss bussing issues and communication methods to be used when storm conditions occur that affect school bussing on Township roads.

The Manager, Transportation Services, and Roads Supervisors have had training, are familiar with and participate in the Township's Emergency Plan to ensure an effective response should an emergency take place.

In December 2002, the Council of the Township of Wellington North adopted by resolution the "Minimum Maintenance Standards for Municipal Highways" in accordance with their traffic volumes, the Township roads can be identified as either Class 4, 5 or 6 roads. The appropriate guidelines for each class are followed when responding to the various maintenance activities including winter maintenance, as set out below

A current version of Ontario's Minimum Maintenance Standards (MMS) for Municipal Highways can be referenced at:

<https://www.ontario.ca/laws/regulation/020239> .

Recommended treatment for various conditions is outlined within the MMS and can be used in most cases. However, wind and unusual temperature fluctuations may necessitate departure from the recommended procedures.

Township does not provide twenty-four hour service.

Plowing of routes normally starts at 4:30 am.

Township maintains Class "4" roads first but may include Class "5" and "6" gravel roads in Class "4" plow routes.

Township does not use pure salt applications at any time.

Schedule A

“PLOW ROUTES FOR RURAL ROADS”

The following information is representation of what occurs when an average storm event occurs. Route plowing times and material usage may all vary depending on the temperature/wind conditions that occur during any storm event.

When required, plowing generally commences by 4:30 am from each rural yard.

Kenilworth Work Yard

Roads maintained out of the Kenilworth Work Yard are within the former Arthur Township boundaries. Winter maintenance is performed on these roads by using three plow routes which are identified on the attached map as Routes A, B & C.

	<u>Route Length</u>	<u>Plowing Time</u>	<u>Material Used</u>
Route “A” Info	64 kms	4 hours	7 tonnes
Route “B” Info	61 kms	4 hours	7 tonnes
Route “C” Info	60 kms	4 hours	4 tonnes

West Luther Work Yard

Roads maintained out of the West Luther Work Yard are within the former West Luther Township boundaries but also include a number of roads located South of Wellington County Road #109 in the former Township of West Garafraxa. Winter maintenance is performed on these roads by using three plow routes identified on the attached map as Routes 1, 2 & 3.

	<u>Route Length</u>	<u>Plowing Time</u>	<u>Material Used</u>
Route “1” Info	55 kms	3.5 hours	7 tonnes
Route “2” Info	55 kms	3.5 hours	7 tonnes
Route “3” Info	45 kms	3.5 hours	4 tonnes

Note:

- Village of Arthur and Town of Mount Forest maps are attached for information. Please refer to “Snow Plow Routes” Tables.
- When required, plowing will commence at 4:30 am in the Village of Arthur and takes approximately 5 hours to complete. Plowing in the Town of Mount Forest commences at 4:30 am and takes approximately 6 hours to complete.



Arthur

Township of Wellington North

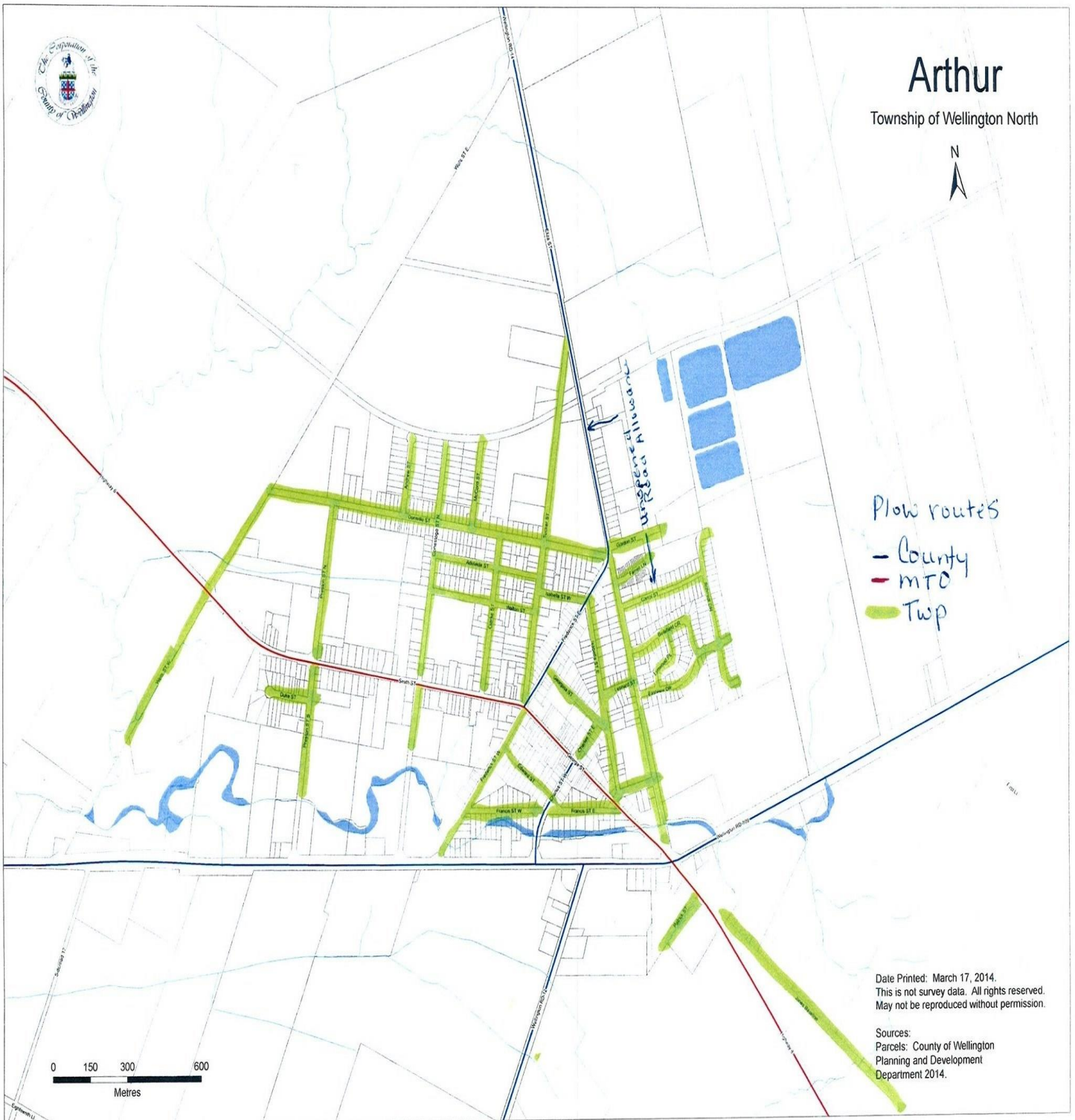


Plow routes
- County
- MTC
- Twp

Date Printed: March 17, 2014.
This is not survey data. All rights reserved.
May not be reproduced without permission.

Sources:
Parcels: County of Wellington
Planning and Development
Department 2014.

0 150 300 600
Metres



MOUNT FOREST

Township of Wellington North



Plow Routes

— County

— MTO

— Township



0 150 300 600
Metres

Date Printed: October 30, 2013.
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Sources:
Parcels: County of Wellington
Planning and Development
Department 2013.



Kenilworth Works Yard

Route "A"



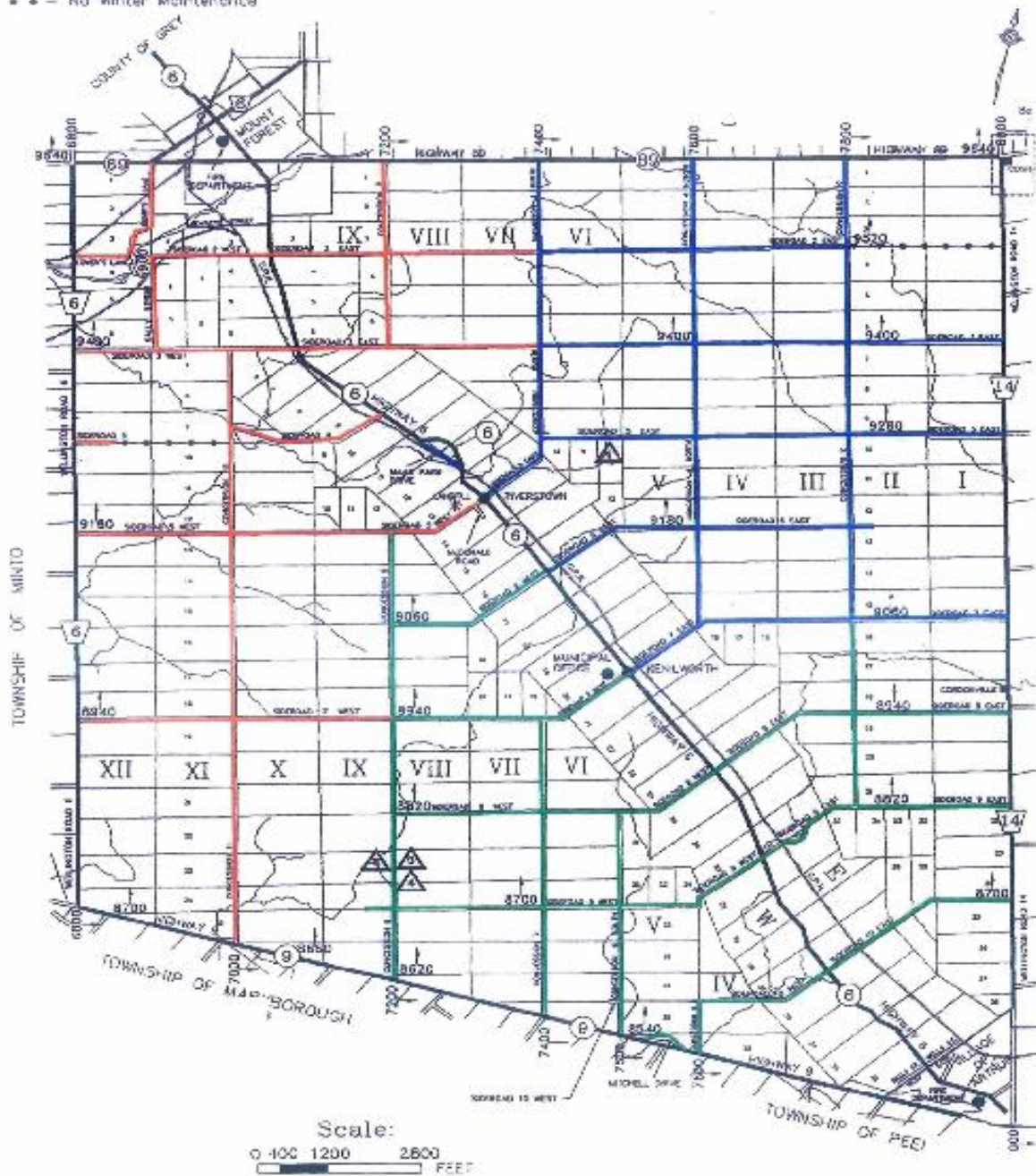
Route "B"



Route "C"



• • - No Winter Maintenance



West Luther Works Yard

- Route 1 █
- Route 2 █
- Route 3 █

