

2024

Town of Elrose Public Works Annual Plan



1/1/2024

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Part 1

2024 Focus

- Lagoon;
 - Rental of Bobcat/Skid Steer with jackhammer, essential for breaking down cement and removal of non-necessary materials.
 - Will haul cement material (with 3-ton) along lagoon banks.
 - Hiring of a contractor will be vital for this project, they have the equipment that will be capable of prepping dirt and cement along lagoon banks. (heavy duty excavator, with longer reach and lifting capability, possible need of other equipment should problems arise.)
 - Once project is complete, will be replacing new fencing around perimeter of lagoon.

Road Works;

- Will be preparing 2nd, 3rd & 4th avenue, checking water main valves are in working condition, confirming man holes are in good condition and water flow is smooth.
- Need certain information to move forward, road depth of removal and height of new paving. This information is necessary so that we can plan on the removal and replacement of new culverts and/or the reconfiguration of culverts, manholes, main valves and drainage.
- Cement island, in front of Town Shop, to be broken up (bobcat w. jackhammer) and removed.

Culvert/Drainage;

- Will need to continue monitoring drainage of Town and will be re-assessing where we need to fix water runs and culverts.

Future Focus

- Painting of water tower and inspection
- Demolition of old buildings
- Installation of overhead door in old fire hall
- Re-lining of 4th avenue sewage line
- Man-door for south end of town shop, we are experiencing high utility bills, due to having to open overhead doors, in order to get to equipment and/or having to load equipment onto work vehicles.
- Think about adding a new town shop to the long term capital plan
- Sidewalk repairs needed; town shop, old brick school, 2nd ave. “lots for sale”, 2nd St W small section
- 3/4 ton truck with plow and sander; giving the ability to complete areas with more efficiency and better pace
- Sanding truck upgrade; inefficient brakes, consuming gas at very high rate, exhaust fumes are entering the cab at times

- Purchasing of Bobcat with necessary attachments will reduce the need for hiring private contractors, placing jobs in our hands instead of others, boosting productivity and time efficiency
- Continuation of road re-paving as per plans

Part 2- Projects per season

Spring Plans

- Clear culverts and water runs as required
- Book contractors and supplies for summer works
- Service vehicles and equipment in preparation for summer works
- Sweep streets first time with our machines
- Continuing hauling dirt to Lagoon
- Put cold mix on streets where required
- Cut grass
- Fix signs
- Haul compost to Waste Transfer Station and spread on old landfill site with grader or tractor

Summer Plans

- Replace main valves. Budget \$5,000 (2024,2025 is \$5,000, 2026 is \$40,000)
- Repair Fire Hydrants- Budget \$10,000
- Repair manholes- per year Budget included in Resurfacing this year
- Replace lateral sewers lines Budget \$6000 annually
- Main Sewer line cleaning. Budget -\$20,000,
- Sewer Main Re-Lining- budget 2024 is \$0, 25' is \$100,000 (Re line 4th Ave 1st to Main)
- Repair sidewalks as required. Budget -\$15,000
- Replace Curb stops as required. Budget \$3000 per curb stop - \$7500 budgeted
- Cut grass
- Culverts. Budget -\$5000 budget
- Work on water runs
- Work on lagoon
- Street repairs as required
- Replace sewer lines. Budget \$6000
- Arborist. Budget \$5,000

Infrastructure Maps/ Details

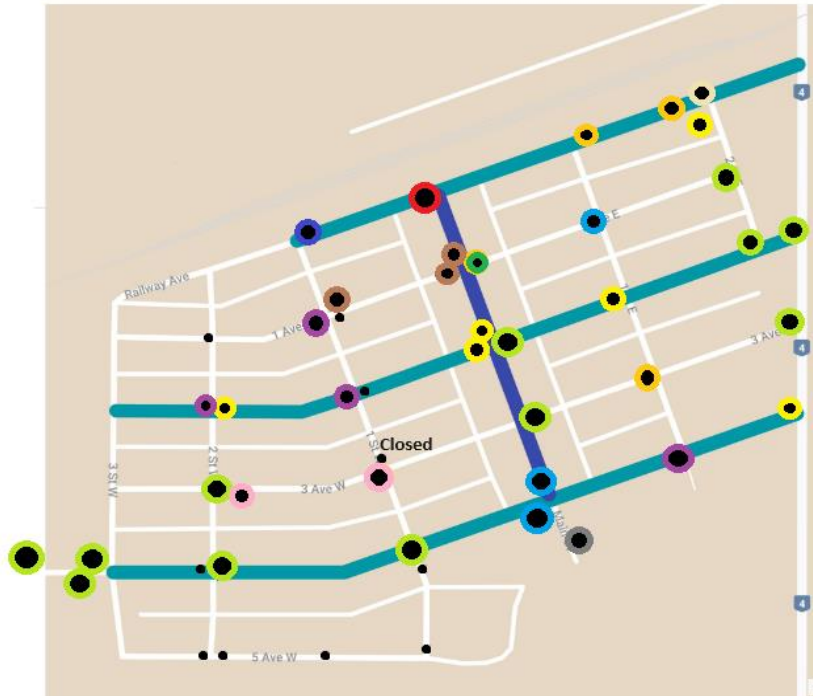
Water Main Valves - Complete

Water Main Valves - Completed

Year Replaced

- 2008 ●
- 2009 ●
- 2010 ●
- 2011 ●
- 2012 ●
- 2013 ●
- 2014 ●
- 2015 ●
- 2017 ●
- 2019 ●
- 2020 ●
- 2022 ●

-Remaining ●



Water Main Valves - Completed

Location	Date Repaired	Notes
1st Avenue East and 1st Street East	2022 Oct	Replaced Valve
Hwy 4 and 4th Avenue E	2022 Oct	Replaced valve
Railway Ave E & 1st St E	2020 June	Replaced Valve
1st Avenue W and 2nd St W	2020 June	Replaced Valve
Railway Ave W & 1st West	2020 June	Replaced Valve
End of Mainstreet	2019 September	New Main Installed - Uniplex
2nd Street East & 2nd Ave. East	2019 September	Replaced at Fire Hydrant
Water Tower - 2 main line valves	2019 September	Replaced/Repaired
Main St and 1st Ave E	2017 August	Replaced
3rd Ave E and 1st St. E	2017 July	Main Water Valve lifted
Main St & 1st Ave. West	2015	Replaced
117 Main Street	2015	Replaced
1st St. West & 1st Ave. West(100 blk)	2015	Replaced
Railway Ave. W & Main St	2014	Replaced
1st St. West & 2nd Ave. West (100 blk)	2014	Replaced
216 Railway Ave. E	2013	Replaced
202 Railway Ave. E	2013	Replaced
2nd St. W. & 2nd Ave. W	2013	Replaced
1st St. W. & 1st Ave. West (200 blk side)	2012	Replaced
1st St. W. & 2nd Ave. W. (200 blk side)	2012	Replaced
2nd St. W. & 2nd Ave. W. (300 blk side)	2012	Replaced
Main St & 2nd Ave. W.	2011	Replaced
217 Main St.	2011	Replaced
113 2nd Ave. W.	2011	Replaced
Highway & 4th Ave. E.	2011	Replaced
1st St. W. & 3rd Ave. W.(200 blk side)	2010	Replaced
2nd St W. & 3rd Ave. W.	2010	Replaced
312 Main St. W.	2009	Replaced
Main St. W. & 3rd Ave. W.	2009	Replaced
110 4th Ave. E.	2009	Replaced
1st St. E. & 1st Ave. E. (100 blk side)	2008	Replaced
417 Main St. W.	2008	Replaced
Main St.W. & 4th Ave. W.	2008	Replaced
Highway & 3rd Ave. E.	2007 or previous	Replaced
Highway & 2nd Ave E.	2007 or previous	Replaced
219 2nd Ave. E.	2007 or previous	Replaced
219 1st Ave. E.	2007 or previous	Replaced
Main St E & 3rd Ave. E.	2007 or previous	Replaced
Main St. E. & 2nd Ave. E	2007 or previous	Replaced
1st St. W. & 4th Ave. W.	2007 or previous	Replaced
2nd St. W. & 4th Ave. W.	2007 or previous	Replaced
End of 4th Ave. W. (3 going out of Town)	2007 or previous	Replaced
2nd St. W. & 3rd Ave. W	2007 or previous	Replaced

Street Maintenance

Street Repairs- Budget \$5000 (Sweeping)

Equipment rental- Budget \$1000

Road maintenance- Budget \$20,000

Gravel/sand- Budget \$2,000

Street Grinding Map



Street Grinding - Completed

Location	Date Repaired	Notes
1st St E (2nd Ave E to alley)	2022	Grind and pack
2nd St W (5th Ave to 3rd Ave)	2022	Grind and pack
Railway Ave W(Main to 1st St W)	2022	Grind and pack
Railway Ave E (Main to 1st St E)	2021	Grind and pack and gravel
2nd St Steet E	2021	Grind and pack
1st St W (by Sunshine Manor)	2021	Grind, pack and gravel
4th Ave W (1st to 2nd St)	2021	Grind, and pack
1st Ave W (2nd to 3rd St)	2020	Grind, pack and gravel

Street Maintenance

Pavement Improvement Plan (Draft)

Plan Based on Achievable Annual Budget Contributions

Avenues from 2024-2032

2024 Budget - 

Cost based on 25 foot wide avenues, 2.5" thick

*Most cost effective to bundle streets into groups of 3 or more for volume savings

* Note that 2032 marks the end of the Water Treatment plant construction debenture payments; \$144,000/ annually



Street Repair/Paving		
Street	Date Repaired/Paved	
Railway Ave btwn 1st St & Main st alley	May 2022	
4th Ave E	July 2018	
100 block of Main St	July 2018	
Railway Ave & Main St	August 2018	
Highway to 1st Street East	June 2016	
Recycled Shingles		
Location	Date Repaired	Notes
Rodeo Dr & Railway Ave W	2022 June	Spread and packed recycle shingles

Manhole Restoration – Complete

Manhole Restorations

2022 - 



Manhole Restoration - Complete

Location	Date Repaired	Notes
4th Ave W & 2nd St W	2022 Nov	Base restoration
3rd Ave W & 2nd St W	2022 Nov	Base restoration
212 3rd Ave W	2022 Nov	Base restoration
3rd Ave W & 1st St W	2022 Nov	Base restoration

Sewer Line Replacement - Completed



Sewer Main Re-lining

2021- 

2023- 



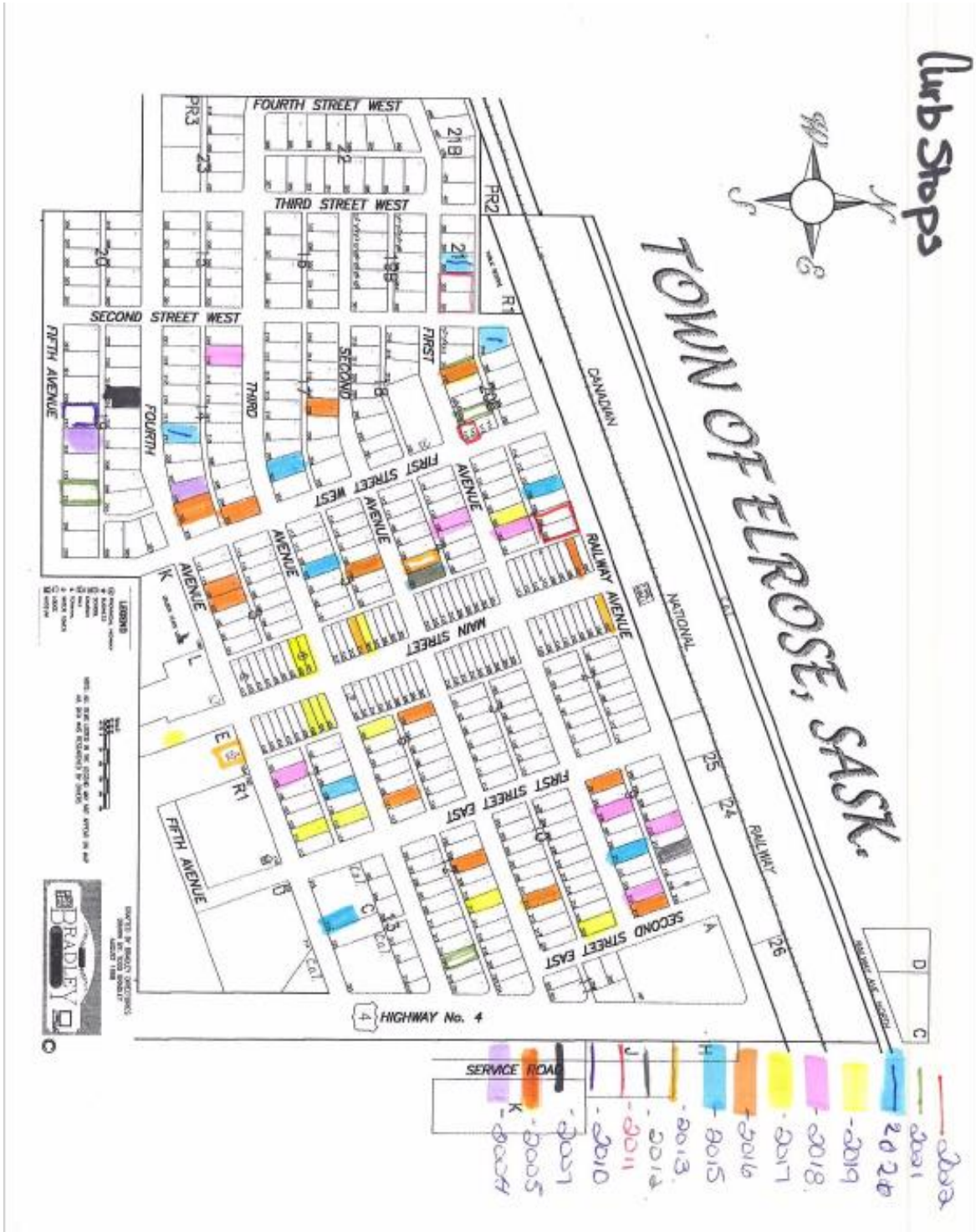
TOWN OF ELROSE PUBLIC WORKS ANNUAL PLAN

Sewer Repair - Completed

Address	Date Repaired	Owner	Notes
218 4th Avenue East	2022 May		Sewer Line Repair
213 3rd Avenue East	2021 Sept		Sewer Line Repair - Lined
Railway (btwn 2nd Str E & 1st St E)	2021 Sept		LINED by New Line
2nd Ave (btwn 2nd St E & 1st St E)	2021 Sept		LINED by New Line
4th Ave (btwn Hwy & 1st St E)	2021 Sept		LINED by New
211 5th Avenue West	2021 May		New build
305 1st Avenue West	2020 Sept		New build
210 Railway Avenue West	2020 Sept		New Build
211 4th Avenue East	2020 Sept		Replaced Sewer
301 2nd Avenue East	2020 Sept		Replaced sewer
1114th Avenue East	2019 Nov		New Sewer
218 3rd Avenue W	2018		Replace sewer
208 2nd Avenue E	2018		Replace sewer
Railway Ave. W	2018 Sept		New build
112 Main St	2018 Sept		Replaced sewer-curb stop not replaced
106 2nd Ave. East	2018 Sept		Replaced sewer - curb stop not replaced
205 1st St. West	2018 June		Replaced sewer & water
218 3rd Ave. West	2018 June		Replaced sewer
109 2nd Ave. East	2017 Dec		Replaced sewer - curb stop not replaced
3rd Avenue West	2017 August		Replaced Sewer Main
207 4th Ave. West	2017 July		Replaced Sewer - curb stop not replaced
101 3rd Ave. East	2017		Replaced sewer
112 3rd Ave. East	2017		Replaced sewer
219 4th Ave. East	2016 Sept		Replaced Sewer - curb stop not replaced
109 4th Ave. West	2016 August		Replaced sewer
206 2nd St. East	2016 May		Replaced Sewer
108 2nd Ave. West	2016 May		Replaced Sewer
202 3rd Ave. West	2016 May		Replaced Sewer
219 1st Ave. East	2016		Replaced Sewer
102 2nd Ave. East	2016		Replaced Sewer
107 3rd Ave. West	2015		Replaced Sewer
211 1st Ave. East	2015		Replaced Sewer
111 2nd Ave. East	2015		Replaced Sewer
101 2nd Ave. West	2015		Replaced sewer
203 3rd Ave. West	2015		Replaced sewer
108 3rd Ave. East	2015		Replaced sewer
106 Railway Ave. West	2015		Replaced sewer
406 Main St. East	2014		New build
311 Main St. West	2013		New build
102 Main St. East	2013		New build
102 3rd Ave. West	2013		Replaced sewer
209 5th Ave. West	2012		New build
217 1st Ave. East	2012		Replaced Sewer
214 Railway Ave. East	2012		New build
301 1st Ave. West	2011		New build
217 5th Ave. West	2010		New build
215 5th Ave. West	2004		New build



Curb Stops – Completed

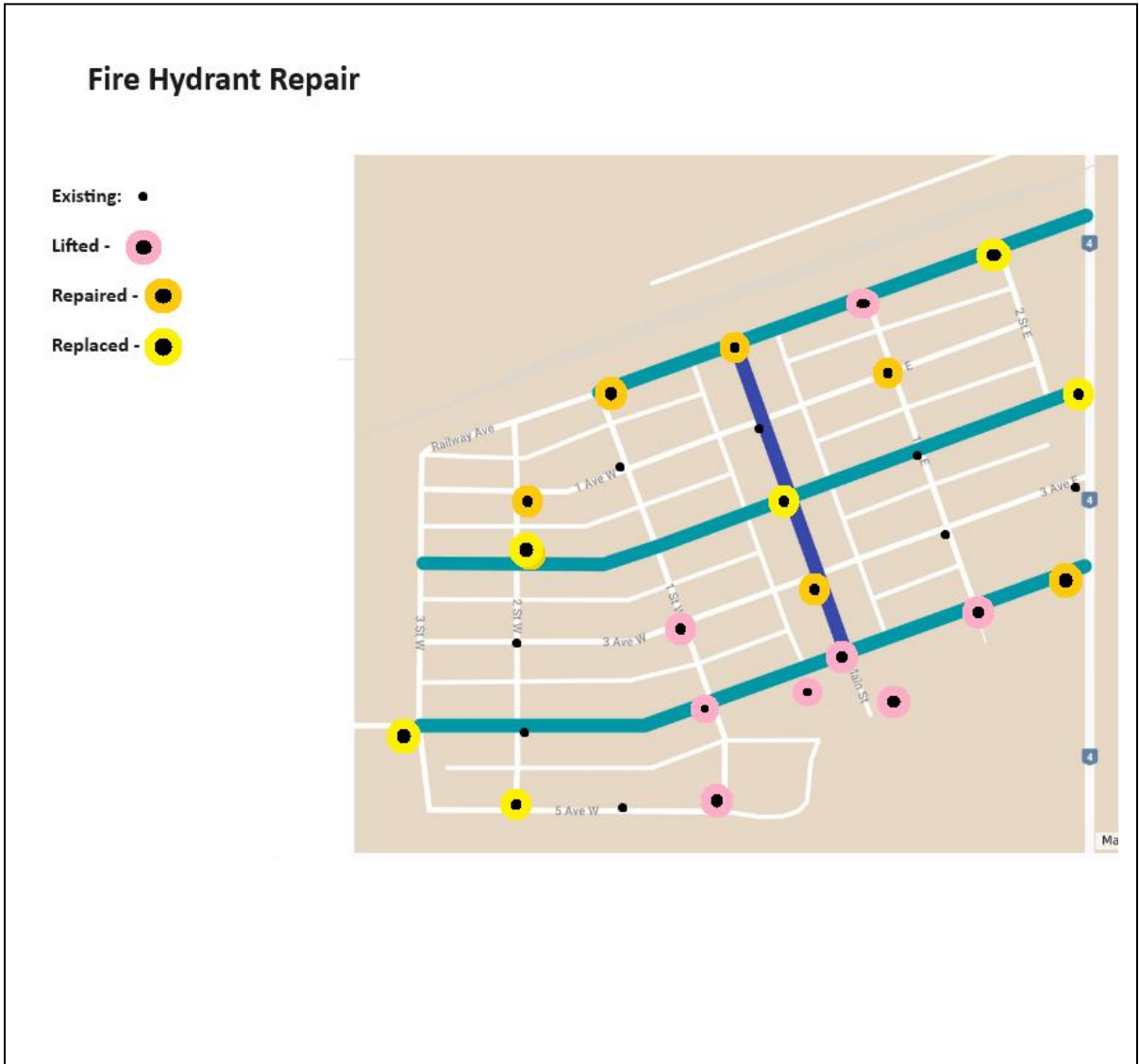


Curb Stop – Completed

Address	Date Repaired/Replaced	Owner	Notes
102/104 Railway W	2022		Curb stop replaced
115 1st Street West	2022		Curb stop replaced
117 1st Street West	2022		Curb stop replaced
211 5th ave West	2021		op with new build
203 1st Ave West	2021 Summer		Curb stop to be replaced
201 1st Ave West	2021 Summer		Curb stop to be replaced
217 3rd Avenue East	2021 May		Curb stop to be replaced
210 Railway Ave. West	2020 September		Curb stop with new build
305 1st Ave. West	2020 September		New Curb stop with Sewer
211 4th Ave West	2020 September		Curb stop replaced
215 4th Avenue West	2019 November		Curb stop replaced
212 2nd Avenue East	2019 November		Curb stop - to be replaced
1114th Avenue East	2019 November		Curb stop - new 1"
100 5th Avenue East	2019 September		Curb Stop replaced
220 1st Avenue East	2019		Curb stop replaced
309 Main Street	2019 June		op replaced (Lots 3-5 turned off)
401 Main Street	2019 May		Curb stop replaced
108 1st Ave. West	2018		stop replaced
103 1st Ave. West	2018		Curb stop replaced
217 1st Ave. East	2018 August		Curb stop replaced
103 4th Ave. East	2018 July		Curb stop replaced
205 1st St. West	2018 June		Curb stop replaced during reno
218 3rd Ave. West	2018 June		Curb stop replaced
210 Railway Ave. East	2018 May		Curb stop replaced
406 Main St. East	2017 October		Curb stop replaced
105 1st Ave. West	2017 October		Curb stop replaced
101 3rd Ave. East	2017		Curb stop replaced
112 3rd Ave. East	2017		Curb stop replaced
106 2nd Ave. West	2016 November		Curb stop replaced
209 1st Ave. West	2016 November		Curb stop replaced
213 2nd Ave. East	2016 November		Curb stop replaced
109 4th Ave. West	2016 August		Curb stop replaced
107 4th Ave. West	2016 May		Curb stop replaced
206 2nd St. East	2016 May		Curb stop replaced
201 1st Ave. East	2016		Curb stop replaced
208 2nd Ave. West	2016 May		Curb stop replaced
202 3rd Ave. West	2016 May		Curb stop replaced
219 1st Ave. East	2016		Curb stop replaced
102 2nd Ave. East	2016		Curb stop replaced
103 Main Street	2016		Curb stop replaced
203 4th Ave. West	2016		Curb stop replaced
101 2nd Ave. West	2015		Curb stop replaced
203 3rd Ave. West	2015		stop replaced
108 3rd Ave. East	2015		Curb stop replaced
107 3rd Ave. West	2015		Curb stop replaced
219 4th Ave. East	2015		Curb stop replaced
211 1st Ave. East	2015		Curb stop replaced
106 Railway Ave. West	2015		Curb stop replaced
406 Main St. East	2014		New Build

311 Main St. West	2013		New build
102 Main St. East	2013		New build
103 2nd Ave. West	2013		stop replaced
504 Main St. East	2013		Curb stop replaced
214 Railway Ave. East	2012		Curb stop replaced
301 1st Ave. West	2011		Curb stop replaced
217 5th Ave. West	2010		New Build
214 4th Ave. West	2007		Curb stop
215 5th Ave. West	2004		New Build
205 4th Ave. West	2004		Curb stop replaced
111 3rd Avenue East	2005		Curb stop replaced

Fire Hydrant Repair - Completed



Fire Hydrant - Completed

Location	Year	Notes
1st Ave E & 1st St E	2022	Replaced
1st Ave. West & 2nd St. West	2020	Orings on top end & 6' extension
Railway Ave & 1st Street W	2020	Rebuilt top end & 6" extension
3rd Ave. West & Main Street	2020	serviced top end & 6" extension*Doesn't drain
Railway Ave. & Main St.	2020	Installed new bearing housing assembly
Hwy 44 & 4th Ave E	2020	New hydrant (hit by vehicle)
2nd Ave E & 2nd St E	2019	Replaced & Lifted
Railway Ave. & Main St.	2019	Cleaned and repaired
1st Ave. E. & 2nd St. E.	2019	Cleaned and repaired
2nd Ave E & 2nd St E	2018	Repaired
1st St. E & Railway Ave.	2018	Raised
2nd St. E. & 1st Ave. E.	2018	Raised
3rd Ave West & 1st St. West	2018	Raised
Highway & 2nd Ave. E	2018	Fire Hydrant replaced
Main St & 2nd Ave W	2017	Fire Hydrant replaced
2nd St. East & Railway Ave	2016	Fire Hydrant replaced
Highway & 4th Ave. East	16/17	Raised
1st St. E & 4th Ave. East 16/17	16/17	Raised
Main St. & 4th Ave. West	16/17	Raised
Uniplex	16/17	Raised
Health Centre	16/17	Raised
1st St. West & 4th Ave.	16/17	Raised
1st St. West & 5th Ave. W	16/17	Raised
2nd St. West & 2nd Ave. W	16/17	Repaired
2nd St. West & 5th Ave. W	2015	Fire Hydrant replaced

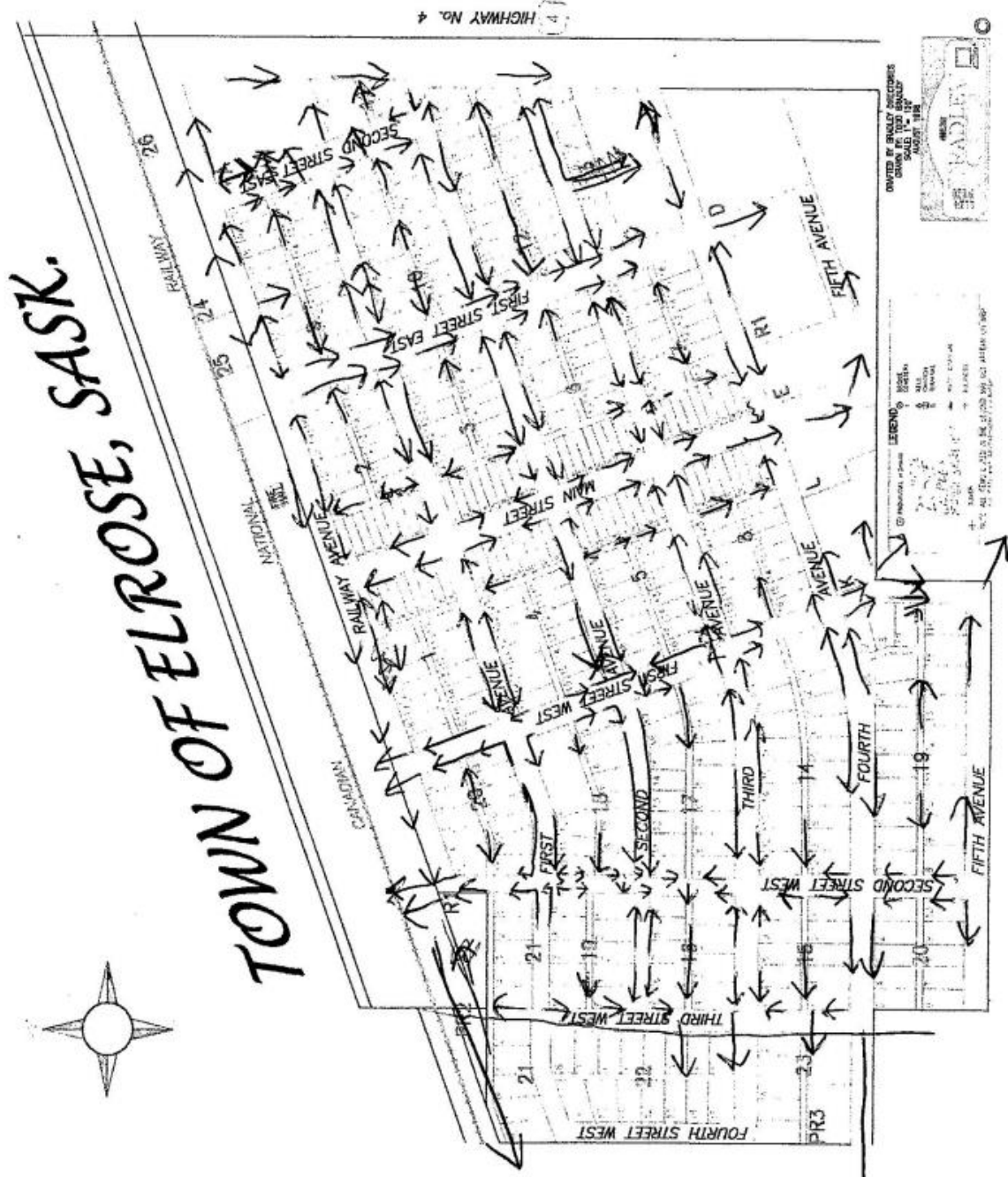
List of all Hydrants in Town of Elrose

Uniplex	Health Centre
5th Ave. W.	5th Ave. W. & 1st St. W.
5th Ave. W. & 2nd St. W.	4th Ave. E. & Hwy 44
4th Ave. E. & 1st St. E.	4th Ave W. & 2nd St. W
4th Ave. W. & 1st St. W.	4th Ave. W. & Main St.
3rd Ave. E. & Hwy 44	3rd Ave. E. & 1st St. E.
3rd Ave. W. & 2nd St. W.	3rd Ave. W. & 1st St. W.
3rd Ave. W. & Main St.	2nd Ave. E. & 2nd St. E.
2nd Ave. E & 1st St. E.	2nd Ave. E. & Hwy 44
2nd Ave W. & Main St.	2nd Ave. W. & 2nd St. W.
1st Ave. W. & 1st. St. W.	1st Ave. E. & 2nd St. E.
1st Ave. E. & 1st St. E.	1st Ave. W. & Main Street
Railway Ave. & Main St.	Railway Ave. & 1st St. E.
Railway Ave & 2nd St. E.	

Fall Plans

- Work on drainage as per map
- Seed grass at the lagoon
- Clear Leaves from Culverts and Town owned property
- Blow out all water lines and fire hydrants
- Put all machinery away for winter
- Trim Trees
- Burn Tree pile at the Transfer Station
- Demolition Budget \$65,000
- Landscaping Budget \$5000 (Arborist)
- Drainage Budget \$0 allocated in 2024

Drainage



Culvert Repairs

Location	Date Repaired/Cleaned out	Notes
4th Ave W at approx 301	2022 Aug	New Culvert Across 4th Ave (East/West)
3rd Ave W at approx 302	2022 Aug	New Culvert Across 3rd Ave (East/West)
Alley by 208 2nd St	2021 Aug	New Culvert Down alley (East/West)
Main & Railway	2020 Oct	New Culvert Rural Roots
1st Street & 2nd Avenue	2020 July	Replace Culvert Rowleys
1st Ave West & 1st Street W	2020	Culvert By June Harsch
Alley	2020	Culvert Behind Peter Elliotts
Railway Avenue	2018	3 new culverts New vet clinic
1st Street E& 1st Avenue	2019	Replaced Culvert
Main St & 3rd Avenue W	2019 May	Replaced Culvert By library
2nd Ave. W & 2nd St. W.	2018 April	Replaced Culverts McCrackens to Irwins
3rd Ave E. & 1st St. E.	2018 July	Replaced Culverts
1st Steet E & 2nd Ave	2016	Replaced Culvert Both sides of intersection
Alley 1 st St E btwn 3 rd & 4 th Ave	2016	Replaced Culverts Brien Wilson - alley
2nd St West & Railway	2016	Replaced the 2 Culverts
2nd St East (bwtvn 1st & 2nd Ave)	2017	Camile Labrecque - Driveway & alley



Sidewalk Repairs

Address	Date Repaired	Notes	Approx. Ft.
109 Main Street	2022 Sept	Sidewalk crumbed	15
105 2nd Avenue West	2022 Sept	Repaired due to curb stop replacement	10
211 4th Avenue West	2022 Sept	Repaired due to water line repair	27
215 4th Avenue West	2022 Sept	Repaired due to curb stop replacement	10
401 Main Street	2022 Sept	Repaired due to curb stop replacement	12
101 Main Street	2022 Sept	Replaced in front of office	36
Uniplex/School Ctr Blvd	2021 Aug	Culvert put in and cement repoured	15
207 4th Avenue West	2021 Aug	Repaired due to Sewer/water installation	60
218 3rd Avenue East	2021 Aug	Repaired due to Sewer/water installation	10
209 1st Avenue West	2021 Aug	Repaired due to Sewer/water installation	18
208 2nd Avenue East	2021 Aug	Repaired due to Sewer/water installation	10
102 3rd Avenue West	Not done	Property Owner - did not like the slope	
No sidewalks repaired/replaced in 2020			
308 Main Street	2019 Aug/Sept	Repaired due to Sewer/water installation	16
203 4th Avenue West	2019 Aug/Sept	Repaired due to Sewer/water installation	6
219 4th Avenue East	2019 Aug/Sept	Repaired due to Sewer/water installation	16
112 3rd Avenue East	2019 Aug/Sept	Repaired due to Sewer/water installation	16
107 3rd Avenue West	2019 Aug/Sept	Repaired due to Sewer/water installation	18
202 3rd Avenue West	2019 Aug/Sept	Repaired due to Sewer/water installation	11
203 3rd Avenue West	2019 Aug/Sept	Repaired due to Sewer/water installation	16
108 2nd Avenue West	2019 Aug/Sept	Repaired due to Sewer/water installation	10
106 2nd Avenue West	2019 Aug/Sept	Repaired due to Sewer/water installation	11
102 2nd Avenue East	2019 Aug/Sept	Repaired due to Sewer/water installation	11
111 2nd Avenue East	2019 Aug/Sept	Repaired due to Sewer/water installation	21
213 2nd Avenue East	2019 Aug/Sept	Repaired due to Sewer/water installation	17
219 1st Avenue East	2019 Aug/Sept	Repaired due to Sewer/water installation	16
217 1st Avenue East	2019 Aug/Sept	Repaired due to Sewer/water installation	16
211 1st Avenue East	2019 Aug/Sept	Repaired due to Sewer/water installation	16
201 1st Avenue East	2019 Aug/Sept	Repaired due to Sewer/water installation	18
318 Main St. E	2018 August	Infront of building	
108 Railway Ave. East	2018 August	Infront of building	
106 Railway Ave. West	2016 May	Infront of Building	
311 Main St. West	2016 May	Infront of building	
102 Main St. East	2013	Beside building	

Winter Plans

-Remove snow as required as per snow route map.

Budget: \$10,000

- Service equipment

- Attend applicable course/courses. Budget \$1,500

- Salt/Sand as required

Snow Removal Plan

Priority - 

Secondary - 



Part 3

Purchases to Consider

- Lawn Mower Price ~\$10,000
- Skid Steer Price ~\$100,000
- New ¾ ton Price range \$80,000 to \$120,000
- New tractor Price ~\$100,000

Part 4 – State of Equipment

Vehicles

2008 Ford 4 x 4 ½ ton trucks (152910km) – good

1999 Ford 3 ton F-800 (188117miles) - fair

1975 Ford F600 3 ton truck (63953km) – very poor

1988 Ford F350 (old blue garbage truck) (181259km) – poor

2019 Bob Cat Track hoe (653hrs) – good

John Deere 5083 Tractor (7068hours) – good – will need new front tires

2019 Cub Cadet PRO Z 554L Lawnmower (725hours)

John Deere 355D Lawnmower (1071hours) – good

John Deere 445 Lawnmower (1181hours) – poor

Polaris Sportsman 400 quad (8046kms) – good

Elgin Street Sweeper (1995hours) – poor

Grader(14876 hours)

Implements

Snowblower – excellent

3 point hitch rototiller – poor

Road Boss – good

Hotzy – good (has to be sent in for yearly maintenance)

Quad Sprayer - good

Quad Blade - good