

BYLAW 51-2021
NORTH OF YELLOWHEAD OFF-SITE LEVY BYLAW

The *Municipal Government Act*, RSA 2000, c M-26, as amended, provides that a council of a municipality may enact a bylaw to provide for the imposition of off-site levies in respect of lands that are to be developed or subdivided, and to authorize agreements to be entered into in respect of the payment of the levies;

The County has engaged in consultation with representatives of the development industry to address and define existing and future infrastructure requirements of the County with respect to circumstances of the County and the benefits of development within the North of Yellowhead Development Region;

The County has prepared a Report respecting existing and future costs for Off-site Infrastructure for the North of Yellowhead Development Region which sets out a fair and equitable calculation of Off-Site Levies in accordance with the, *Municipal Government Act*, RSA 2000, c M-26, as amended;

This Bylaw has been advertised pursuant to the requirements of the *Municipal Government Act*, RSA 2000, c. M-26, as amended; and

Council deems it desirable and expedient to impose certain off-site levies for the North of Yellowhead Development Region and to authorize agreements to be entered into in respect of the payment of the levies;

Council enacts:

PART I – PURPOSE, DEFINITIONS, AND INTERPRETATION

- Purpose
- 1 The purpose of this Bylaw is to:
 - (a) provide for the imposition and payment of off-site levies in respect of lands within the North of Yellowhead Development Region that are to be developed or subdivided; and
 - (b) authorize an agreement to be entered into in respect of the payment of off-site levies.

- Definitions
- 2 In this Bylaw:
 - (a) "Act" means the *Municipal Government Act*, RSA 2000, c M-26, as amended or repealed and replaced from time to time;
 - (b) "Agreement" means the "agreement" referred to in sections 648, 650 and/or 655 of the Act;

- (c) "Bylaw" means this off-site levy bylaw established by the County;
- (d) "Chief Commissioner" means the chief administrative officer of the County, or delegate;
- (e) "Council" means the council of the municipal corporation of Strathcona County;
- (f) "County" means the municipal corporation of Strathcona County, a specialized municipality established under the authority of the *Municipal Government Act*, RSA 2000, c M-26 and Order in Council 761/95; and
- (g) "Developable Land" means all land contained within the North of Yellowhead Development Region:
 - (i) upon which Development takes place after the date of passing of this Bylaw; or
 - (ii) for which Subdivision approval is obtained after the date of passing of this Bylaw;
- (h) "Development" means "development" as defined in section 616 of the Act;
- (i) "Growth" shall mean:
 - (i) the creation of new lots through Subdivision; and
 - (ii) the occurrence of Development;
- (j) "North of Yellowhead Development Region" includes the area of land, within the boundaries of the County, that is identified in Schedule "A";
- (k) "Off-Site Infrastructure" means those components and projects referred to in the Report, in relation to water supply facilities and infrastructure, wastewater facilities and infrastructure, and transportation infrastructure, required for or impacted by a Subdivision or Development;
- (l) "Off-Site Levy" means an off-site levy imposed pursuant to this Bylaw under the authority of the Act;
- (m) "Off-Site Levy Accounts" means the separate accounts for the funds collected from the Off-Site Levies for each

type of Off-Site Infrastructure to be established and maintained for the purposes of receiving, holding and expending Off-Site Levies collected and disbursed under the authority of this Bylaw and the Act;

(n) "Report" means the Summary of Leviale Infrastructure attached as Schedule "C"; and

(o) "Subdivision" means "subdivision" as defined in section 616 of the Act.

Interpretation

3 The following rules apply to interpretation of this Bylaw:

(a) all schedules attached to this Bylaw form a part of this Bylaw;

(b) the word "including" means "including, but not limited to";

(c) headings, titles, margin notes, and preambles in this Bylaw are for ease of reference only;

(d) gender-specific words, phrases, and references are intended to be gender-neutral, and the singular includes the plural as the context requires;

(e) every provision of this Bylaw is independent of all other provisions and if any provision of this Bylaw is declared invalid by a Court, all other provisions of this Bylaw remain valid and enforceable; and

(f) references to bylaws and enactments in this Bylaw include amendments and replacement bylaws and enactments, and regulations and orders thereunder.

Compliance with Other Legislation

4 Nothing in this Bylaw exempts any person from complying with the requirements of any other bylaw or any federal, provincial, or municipal legislation, approval process, licensing or permitting regime.

PART II – OFF-SITE LEVIES AND DEVELOPER AGREEMENTS

Imposition of Levy

5 There is hereby imposed a levy which shall be known as an Off-Site Levy in respect of all Developable Land.

6 The amount of the Off-Site Levy imposed is as calculated in Schedule "B".

7 The Off-Site Levy is comprised of the Off-Site

Infrastructure, and pursuant to the calculation details contained in this Bylaw and the Report.

8 The Off-Site Levy will be assessed on all Developable Land within the Development Region on a per hectare basis, excluding those portions of Developable Land that are designated pursuant to a Subdivision as:

(a) Arterial or rural grid road rights of way;

(b) Environmental reserve;

(c) The County, at its sole discretion, may allow the exclusion of those lands dedicated for the preservation of trees, natural habitat, or parks and natural areas dedicated as MR if; it is over and above the 10% MR dedication requirements; not utilized for PUL or utility requirements; and provided the subject lands are deeded to the County.

9 Unless an Agreement provides otherwise, the Off-Site Levy is due and payable prior to the endorsement of Subdivision approval for the Developable Land or upon issuance of a Development permit for the Developable Land.

10 Where a party upon whom an Off-Site Levy is imposed fails, neglects or refuses to pay the Off-Site Levy, the County may, without limiting any other remedy available, refuse to endorse a plan of Subdivision or issue a Development permit in relation to the Developable Land until the Off-Site Levy has been paid in full or an Agreement has been entered into that provides for the payment of the Off-Site Levy.

Objects, Principles and Criteria

11 The objects, principles and criteria of the Off-Site Levy shall be in accordance with the following:

(a) This Bylaw creates an Off-Site Levy to provide funds for the construction of Off-Site Infrastructure required for Growth.

(b) Development in new Growth areas through Off-Site Levies will provide the capital that will fund the infrastructure required for Growth. Those who benefit from the infrastructure, which is defined by all Developable Land in the North of Yellowhead Development Region, should share proportionally in related costs.

- (c) Provision of Off-Site Infrastructure by developers of Developable Land will not create an advantage or penalty due to the time or location of development.
- (d) Off-Site Infrastructure will be provided to maintain sustainable, cost effective and orderly Growth.
- (e) The calculation of the Off-Site Levy should be an open and transparent process.
- (f) All funds collected from the Off-Site Levy will be credited to separate and distinct, identifiable Off-Site Levy Accounts, which may be invested as per the County's investment policy until used for the construction of the specified Off-Site Infrastructure. The management of the Off-Site Levy Accounts should be an audited process, with reports available to the public and industry.
- (g) The Off-Site Levy will help allow the County to recover the cost of infrastructure required for Growth:
 - (i) using financing strategies that remain sustainable;
 - (ii) facilitating development by reducing risk on early developers and ensuring future developers share the costs of the facilities from which they benefit; and
 - (iii) promoting cost effective and orderly development.
- (h) The Off-Site Levy will help promote orderly development by:
 - (i) providing Off-Site Infrastructure, once the appropriate planning is in place, and when warranted in development; and
 - (ii) providing infrastructure for contiguous development.
- (i) The Off-Site Levy will help create a transparent process by:
 - (i) providing opportunity for affected landowners and developers to provide input into the levy, its definition and administration, through good faith consultation;
 - (ii) conforming with the Act and the *Off-Site Levies Regulation*, Alta Reg 187/2017; and

- (iii) providing reports on the Off-Site Levy.
- (j) The Off-Site Levy will help create a clear process for calculation of the rate, levies and credits by:
 - (i) creating consistent and predictable levies and credits;
 - (ii) creating predictable and stable levies over time; and
 - (iii) documenting a process for establishing the levy rate.

Agreements

- 12 The entering into of an Agreement with respect to, amongst other things, the collection of an Off-Site Levy is hereby authorized.
- 13 Council delegates, to the Chief Commissioner, the authority to enforce and administer this Bylaw, including, but not limited to, the authority to enter into Agreements on behalf of the County, to defer or waive collection of the Off-Site Levy imposed pursuant to this Bylaw, and to provide for levy credits for other Off-Site Infrastructure constructed, or contributed to, by a developer in calculating and/or collecting an Off-Site Levy that becomes payable pursuant to this Bylaw.
- 14 Council may from time to time adopt policies or guidelines for the assistance and direction of the Chief Commissioner in determining which Development and Subdivision applications shall require an Agreement or where to defer or waive collection of the Off-Site Levy imposed pursuant to this Bylaw, or to provide for levy credits.
- 15 Where it is determined that an Agreement is appropriate for any application for Development or Subdivision, the applicant or the owner, as the case may be, shall enter into an Agreement with the County and such Agreement shall ensure that:
 - (a) provision be made for the payment of the Off-Site Levy as specified in this Bylaw, or that provision may be made for the deferring of payment of the Off-Site Levies to a future time certain or uncertain, in which case a requirement for security for the payment of such deferred payment of any Off-Site Levy may be imposed; and

16 No further Off-Site Levy for each type of Off-Site Infrastructure shall be required to be paid under Agreements for lands, which are the subject of the Development or Subdivision application, that have been subject to previously imposed Off-Site Levies and which previous Off-Site Levies have been collected in full, taking into account any levy credits that have been provided by the County.

Accounting

17 All funds collected pursuant to this Bylaw shall be accounted for in the Off-Site Levy Accounts and expended only as permitted under the provisions of the Act.

18 There shall be separate Off-Site Levy Accounts for the Off-Site Levies for each of the Off-Site Infrastructure types; specifically, water supply facilities and infrastructure, wastewater facilities and infrastructure, stormwater and drainage facilities and infrastructure and transportation infrastructure.

Review of Levy Rates

19 The County shall review the Off-Site Levy rates once every three years and shall amend the Bylaw to update the Off-Site Levy rates accordingly.

20 Commencing in 2021, in each year that the County does not conduct a review, the County will adjust the amount of the Off-Site Levy rate on December 31 of the non-review year by the annual percentage change of the Building Construction Price Index (non-residential) for the 12 month period from November of the year before the non-review year to November of the non-review year if the Building Construction Index is positive. If the percentage change is zero or negative, the Off-Site Levy rate shall not change. The change will be effective commencing January 1st of the year following the non-review year.

General

21 Nothing in this Bylaw precludes the County from:

(a) imposing further or different levies, duly enacted by bylaw, on any portion of the Developable Lands in respect of which the County has not collected Off-Site Levies;

(b) deferring collection of the Off-Site Levy for the stated objects of this Bylaw, on any portion of Developable Lands in respect of which the County imposed Off-Site Levies, including requiring security for payment of such deferred Off-Site levies; or

(c) reducing or forgiving payment of the Off-Site Levies required pursuant to this Bylaw, or otherwise providing for credits for other Off-Site Infrastructure constructed by a developer in calculating and/or collecting the Off-Site Levies that become payable pursuant to this Bylaw or any portion of the Developable Lands in respect of the other off-site leviable infrastructure and facilities not provided for in this Bylaw.

22 The Schedules to this Bylaw may be amended from time to time by Council.

PART III – TRANSITIONAL AND CONFLICT

Transitional 23 Where prior to 2021 an agreement which makes provisions for the payment of Off-Site Levies has been entered into between the County and an owner of a portion of the Developable Land, the provisions of the bylaw which established the amount of the Off-Site Levy shall continue in force as if this Bylaw or any intervening off-site levy bylaw had not been enacted unless otherwise specified in an agreement.

Conflict 24 If any provision of this bylaw conflicts with the provision of another off-site levy bylaw, the provision in this bylaw prevails.

FIRST READING: September 14, 2021

SECOND READING: September 14, 2021

THIRD READING: September 14, 2021

SIGNED THIS 29th day of September, 2021.

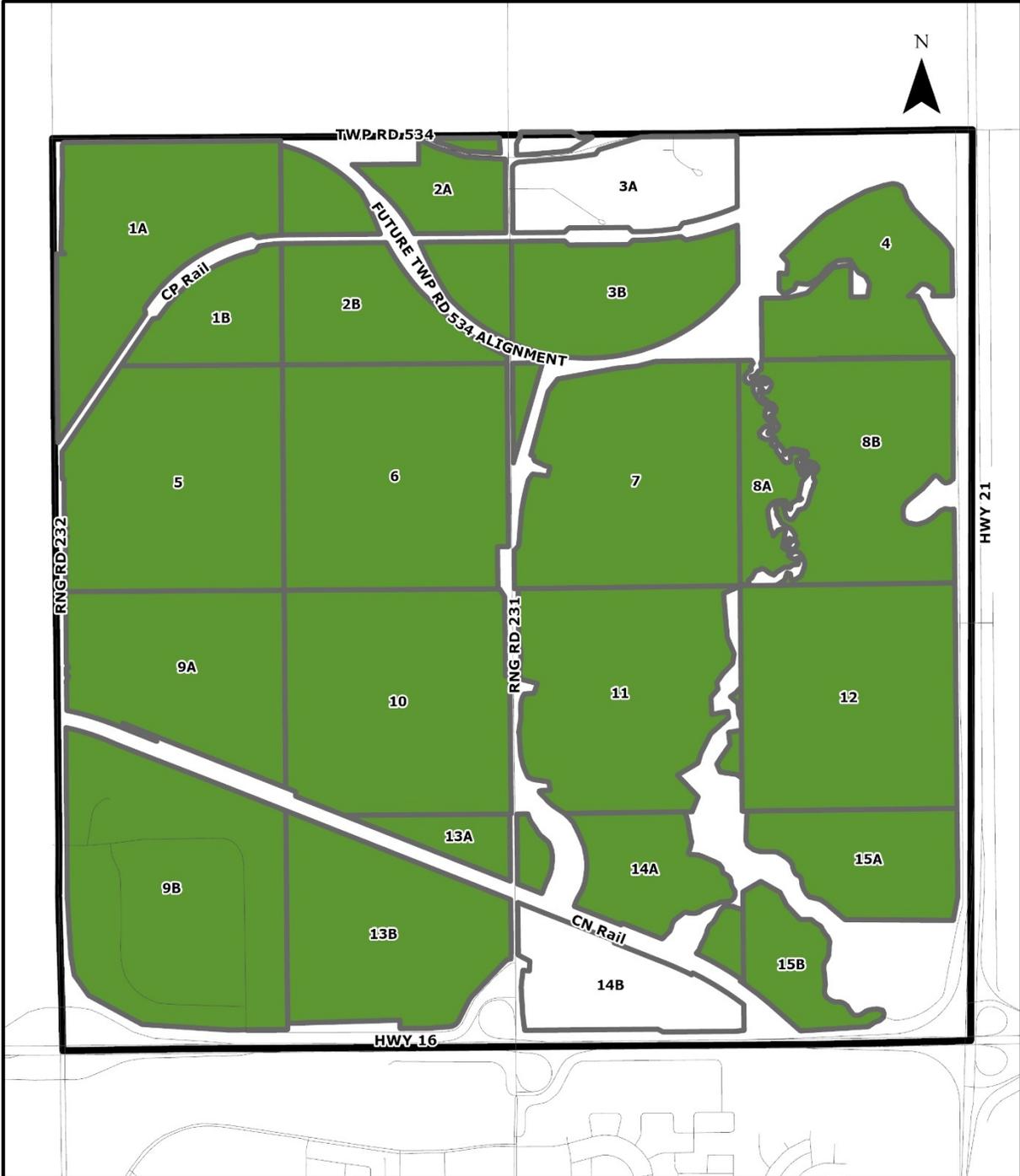
Rod Frank

MAYOR

Mavis Nathoo

DIRECTOR, LEGISLATIVE AND LEGAL SERVICES

SCHEDULE "A" MAP OF NORTH OF YELLOWHEAD DEVELOPMENT REGION



<p><i>North of Yellowhead Development Region</i></p>	<p>SCHEDULE "A"</p>	
	<p>PLANNING & DEVELOPMENT SERVICES  STRATHCONA COUNTY</p>	
	<p>Date Drawn: June 21, 2021</p>	<p>Revision Date: N/A</p>

SCHEDULE "B" - OFF-SITE LEVY RATES

NORTH OF YELLOWHEAD OFF-SITE LEVY RATES	Amount Per Developable Hectare
Wastewater Trunks	\$28,479
Water Transmission Mains	\$21,722
Arterial Roads	<u>\$200,823</u>
TOTAL	\$251,024

SCHEDULE "C" - SUMMARY OF LEVIABLE INFRASTRUCTURE REPORT

**NORTH OF YELLOWHEAD
2021**

INFORMATION COMPILED BY:

PLANNING AND DEVELOPMENT SERVICES
CORPORATE FINANCE
UTILITIES
TRANSPORTATION PLANNING AND ENGINEERING

INDEX

	PAGE
SECTION 1 - GENERAL CRITERIA	3
1.1 CAPITAL COST FUNDING ALLOCATIONS	3
1.2 LEVY ASSESSMENT	4
1.3 DETERMINATION OF BENEFITING AREA	4
SECTION 2 - WATER FACILITIES	5
2.1 OVERVIEW	5
2.2 WATER FACILITIES FUNDED BY OFF-SITE LEVIES	5
SECTION 3 - WASTEWATER	8
3.1 OVERVIEW	8
3.2 WASTEWATER FACILITIES FUNDED BY OFF-SITE LEVIES	8
SECTION 4 - STORMWATER	11
4.1 OVERVIEW	11
SECTION 5 - TRANSPORTATION	12
5.1 OVERVIEW	12
5.2 ROAD RIGHT-OF-WAY REQUIREMENT	12
5.3 TRANSPORTATION GRANTS	12
5.4 NOISE ATTENUATION FACILITIES	12
5.5 ARTERIAL ROAD ACCESSES AND INTERSECTIONS	13
5.6 ARTERIAL ROADWAY LANDSCAPING AND PEDESTRIAN LINKAGES	13
5.7 ARTERIAL ROAD CONSTRUCTION PROGRAMS	13
5.8 SUBDIVISION IDENTIFICATION FEATURES	13
5.9 UNDERGROUND POWER COSTS	14
5.10 CONSTRUCTION COST ESTIMATES	14
5.11 TRANSPORTATION FACILITIES FUNDED BY OFF-SITE LEVIES	14

SECTION 1 - General Criteria

1.1 CAPITAL COST FUNDING ALLOCATIONS

A summary of developer and capital funding allocations for new development is as follows:

1.1.1 Onsite Wastewater Sewer, Storm Sewer & Water Distribution Systems

- a. Funded by developer
- b. Developer designs and constructs

1.1.2 Onsite Oversizing of Water, Wastewater, Storm & Stormwater Management Facilities

- a. Funded by the developer
- b. Developer designs and constructs
- c. Developer costs recovered from adjacent undeveloped benefiting lands when they develop, based on cost of oversizing

1.1.3 Water Storage, Pumping and Supply / Treatment Facilities

- a. Funded by the County
- b. County designs and constructs
- c. Capital costs recovered through utility rates and/or local improvement assessments

1.1.4 Water Transmission Lines

- a. Funded by the developer
- b. County typically finances, designs and constructs
- c. Costs are recovered through Off-Site Levies

1.1.5 Wastewater Treatment and Disposal

- a. Capital costs of treatment and disposal for all systems tied into a County system are recovered through utility rates
- b. Private sewage treatment systems are designed, constructed and funded by the developer or property owner

1.1.6 Off-Site Wastewater Collection Systems

- a. Funded by developer
- b. County and/or Developer designs and constructs
- a. Costs are recovered through wastewater levy account balances of collected Off-Site Levies
- c. Costs of upgrading collector trunk lines to meet infiltration standards of 0.28 L/sec/ha are proportionately allocated to existing developed benefiting areas through utility rates and benefiting Developable Land through Off-Site Levies

1.1.7 Stormwater Management Systems

- a. Developers are responsible for the design and construction of stormwater management facilities with cost sharing arrangements established through Agreements
- b. The capital costs of off-site facilities constructed to accommodate arterial road drainage, is recovered through Off-Site Levies

1.1.8 Off-Site Transportation Systems – Arterial Road Upgrades

- a. Funded by developer
- b. County and/or Developer designs and constructs
- c. Costs are recovered through Off-Site Levies

1.1.9 Council Approval

All capital projects to be designed, constructed and/or funded by the County are subject to Council approval in accordance with the Act.

1.2 LEVY ASSESSMENT

1.2.1 Levy Calculations

Levy calculations are based upon actual costs, if available, or engineering cost estimates for proposed developer and capital projects.

Once projects are complete, Off-Site Levy calculations to be updated prior to the next Off-Site Levy review and Bylaw amendment, to include actual costs of completed work, including County financing costs if applicable.

Developer financing costs to be determined by a designated committee made up of members as appointed by the County and the Urban Development Institute in accordance with County procedures associated with the Offsite Development Levies for New Growth Areas Policy SER-009-044.

1.3 DETERMINATION OF BENEFITING AREA

1.3.1 Development Region

The North of Yellowhead Development Region is the benefiting area of the Off-Site Levies comprising of approximately 878 hectares of gross area, of which approximately 762 hectares are identified as developed or Developable Land. Of this total area, approximately 164 hectares are developed, and a remaining 598 hectares of land are identified as Developable Land.

SECTION 2 - Water Facilities

2.1 OVERVIEW

The County will provide a safe, reliable supply of potable water at an acceptable level of service.

Water Transmission Main costs will be shared equitably within the entire service area on a gross development area basis, with some additional cost sharing from the North of Yellowhead Area Concept Plan area

In the case of 400mm and larger water mains, located internally in subdivisions that provide both transmission and distribution functions, only the oversizing cost shall be included in the Off-Site Levies. Water mains providing a distribution function in this case are those that have service connections to abutting lots. For clarity, in this situation oversizing is defined as the extra cost of the water main over and above a base 300mm water main. The oversizing is typically identified at the detailed subdivision design stage and the cost would be recoverable under the associated Agreement.

2.2 WATER FACILITIES FUNDED BY OFF-SITE LEVIES

2.2.1 Fill Line to Bison Wy and Lakeland Dr Water Transmission Mains

- a. These mains provide service to the northern parts of the Urban Service Area and the North of Yellowhead Development Region, in combination with the other transmission mains
- b. The Fill Line to Bison Wy is a transmission main constructed in 2012 from the 17th St Reservoir to Lakeland Dr. The Lakeland Dr Transmission main was constructed in two phases (2006 and 2008) from Broadmoor Blvd to Clover Bar Rd
- c. These mains are fully constructed

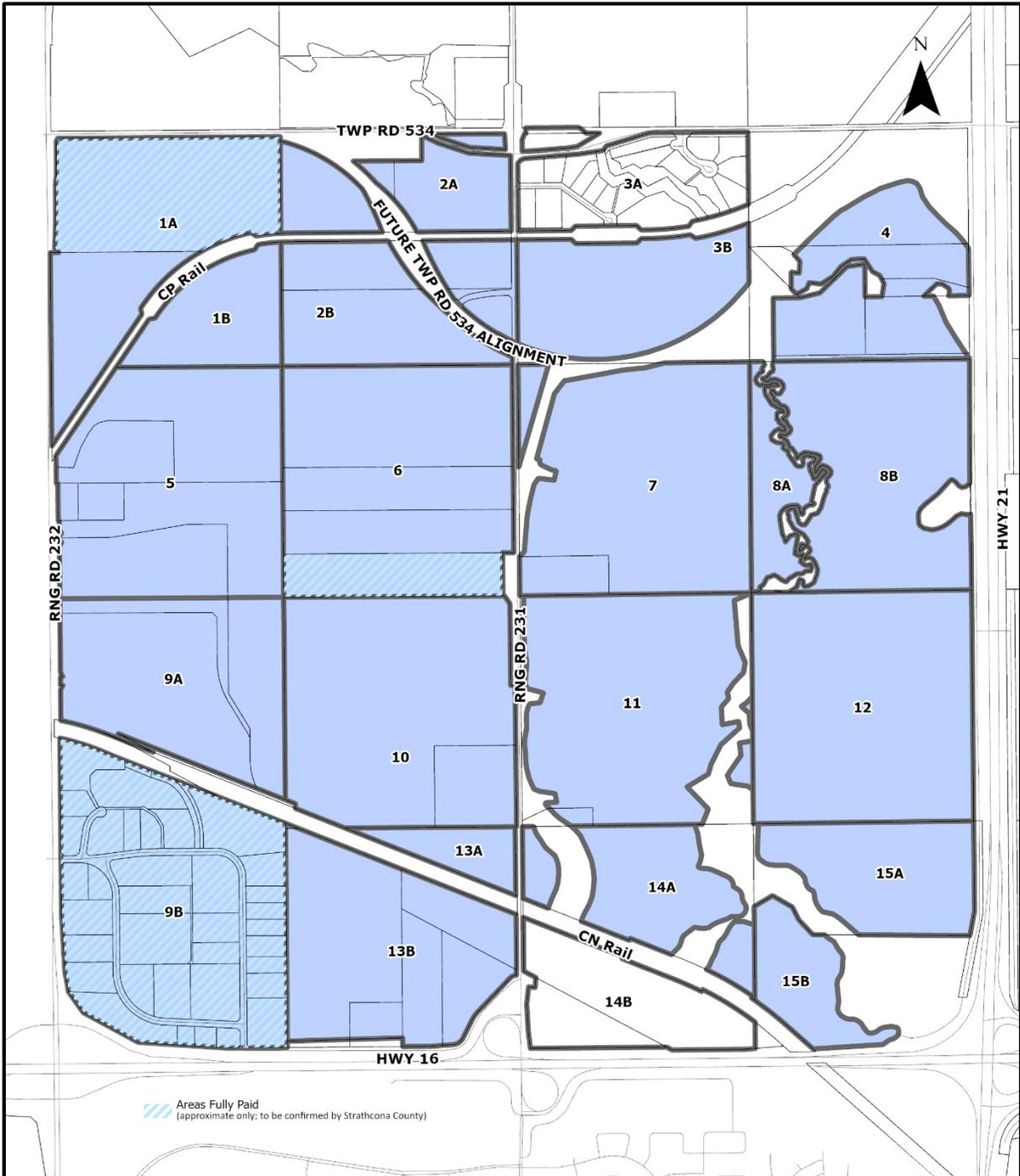
2.2.2 North of Yellowhead Water Transmission Mains

- a. Includes a west water main along Rng Rd 232 from Liberty Rd to south of the CP Tracks, which provides service to Griffin Industrial and the west portion of the North of Yellowhead Area Concept Plan area
- b. A portion of the west main was constructed by Lockerbie and Hole on a cost recovery basis
- c. Additional central transmission water main looping is required from Rng Rd 232 along the future Twp Rd 534 alignment to Rng Rd 231, then south to tie into the existing water main south of Hwy 16 for servicing the remaining North of Yellowhead Area Concept Plan area
- d. The central water transmission main looping has preliminary design completed with cost estimates as included in Table 3

Table 1:**North of Yellowhead
2021 Water Facilities Cost Estimates**

Project Description	Project Cost Estimates	Developer Levy Costs
North of Yellowhead - Design	\$972,576	\$972,576
North of Yellowhead - Construction	\$11,700,000	\$11,700,000
Strathcona County Water Supply System - Phase 1A Fill Line to Bison Way	\$10,914,250	\$3,208,790
Strathcona County Water Supply System - Phase 1 and 2 (34th & 17th St. Infrastructure)	\$33,214,487	--

Schedule "A-1" Water Levy Basin



 Areas Fully Paid
(approximate only, to be confirmed by Strathcona County)

*Water Levies
North of Yellowhead
Benefitting Basin*

SCHEDULE "A-1"

PLANNING & DEVELOPMENT SERVICES  STRATHCONA COUNTY

Date Drawn: June 21, 2021

Revision Date: N/A

SECTION 3 - Wastewater

3.1 OVERVIEW

The County will provide a safe, reliable wastewater collection system at an acceptable urban level of service.

The cost of wastewater facilities are to be shared equitably by the benefiting areas.

In the case of wastewater trunks located internally within a subdivision, to provide both trunk and local collection functions, only the oversizing cost shall be included in the Off-Site Levies. In this case, local collection sewers are those that have service connections to abutting lots. For clarity in this situation, oversizing is defined as the extra cost of the trunk over and above what is required to service the adjacent local development area.

3.2 WASTEWATER FACILITIES FUNDED BY OFF-SITE LEVIES

3.2.1 Level of Service (LOS) Wastewater Storage for All Benefitting Areas

In 2004, the ACRWC conducted a level of service study to determine the storage necessary for each municipality based on the selected level of service criteria. A study conducted by UMA incorporated information from ACRWC's study into the Sanitary Servicing Master Plan for Sherwood Park.

Based on the UMA study, a cost of \$17,895,047 (see Table 1) was estimated and would be collected by both new and existing areas of Sherwood Park. This cost has been proportionately allocated to all wastewater benefiting areas within the North of Yellowhead Development Region as well as all other Urban Services Area of Sherwood Park located south of Hwy 16.

3.2.2 North of Yellowhead, Wastewater Trunk

- a. Many servicing option variations existed for development of the North of Yellowhead Area Concept Plan, with the selected servicing scheme chosen based on overall cost efficiency and the Off-Site Levy rate blended across the benefiting basin
- a. Wastewater servicing for the Cambrian Area Structure Plan area as well as industrial users along the north half of Rng Rd 231 is being provided from a new stub connection to the Alberta Capital Region Wastewater Commission (ACRWC) along Twp Rd 534
- b. A portion of wastewater servicing for users east of Griffon Industrial and industrial users along the south half of Rng Rd 231 will connect south into the gravity portion of wastewater trunk located along Rng Rd 231, north of the CN Rail tracks, which includes a contribution to the existing gravity portion which collects forcemain discharge from the Ardrossan sewage lagoon

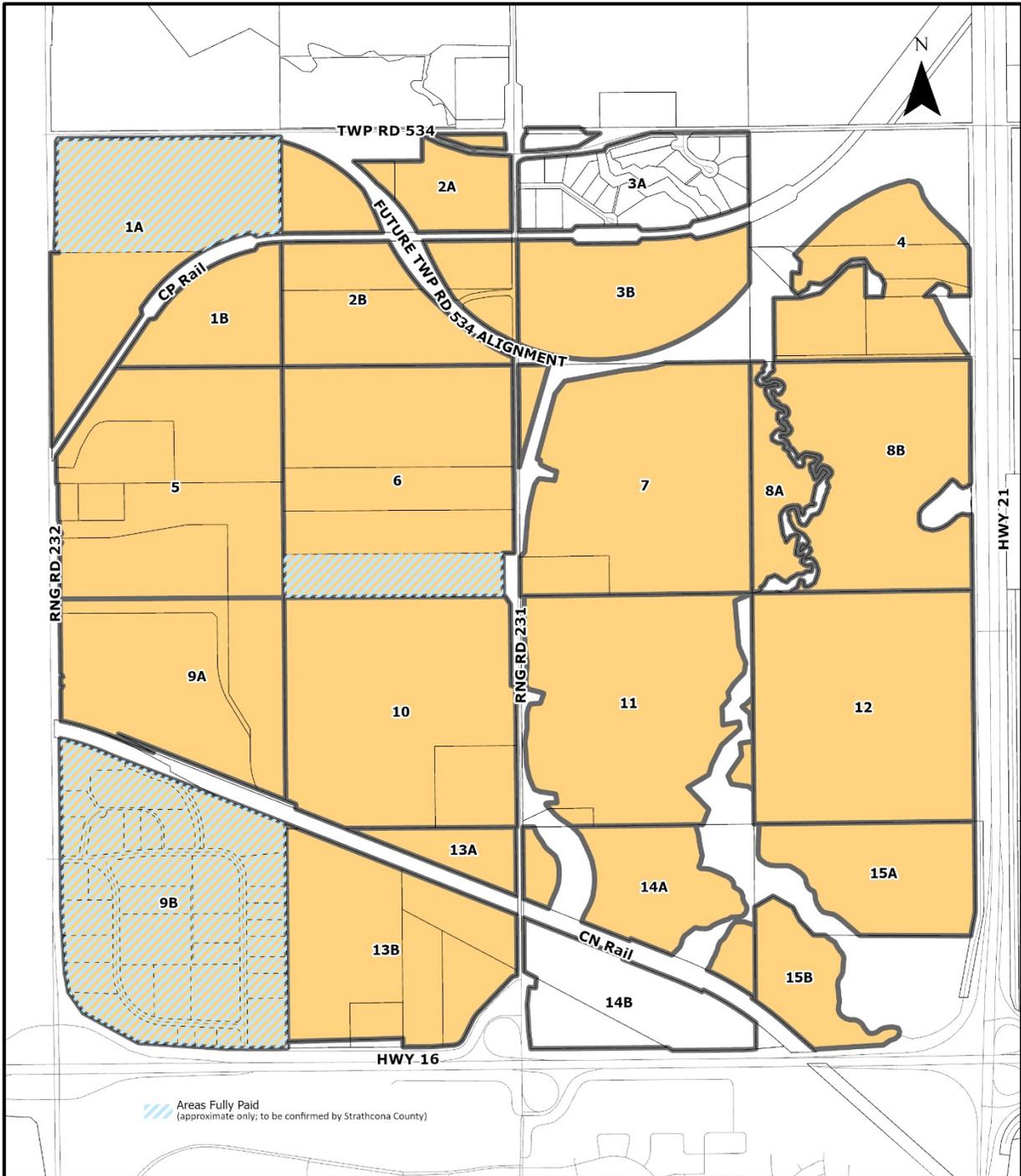
- c. Table 1 shows the estimated costs for the wastewater trunks recently or yet to be constructed, which are based on the 2021 North of Yellowhead supplementary design brief.

Table 2:

**North of Yellowhead
2021 Wastewater Facilities Cost Estimates**

Project Description	Project Cost Estimates	Developer Levy Costs
North of Yellowhead Wastewater - Design	\$972,008	\$767,886
North of Yellowhead Wastewater - Phase 1&2	\$16,300,000	\$12,877,000
LOS Wastewater Storage - Design	\$2,103,609	\$394,063
LOS Wastewater Storage - Construction	\$15,791,438	\$2,958,163
Lagoon/Forcemain/Gravity main (Ardrossan)	\$9,520,584	\$472,221

Schedule "A-2" Wastewater Levy Basin



<p><i>Wastewater Levies North of Yellowhead Benefitting Basin</i></p>	SCHEDULE "A-2"	
	PLANNING & DEVELOPMENT SERVICES STRATHCONA COUNTY	
	Date Drawn: June 25, 2021	Revision Date: N/A

SECTION 4 – Stormwater

4.1 OVERVIEW

All stormwater management to accommodate runoff from development within the North of Yellowhead Development Region is to be designed and constructed as onsite infrastructure, without any associated Off-Site Levies being applicable at this time.

All stormwater management to accommodate runoff from arterial roads is to be designed and constructed as part of the associated arterial road upgrade and included in the associated Off-Site Levy.

SECTION 5 – Transportation

5.1 OVERVIEW

Since the development of lands creates a demand for new arterial roadways and an increase in capacities of existing arterial roads, these costs are to be recovered proportionately from benefiting developments.

The Off-Site Levies contained herein are based on projected traffic volumes for the land use and projected development pursuant to Bylaw 15-2021 North of Yellowhead Area Concept Plan.

5.2 ROAD RIGHT-OF-WAY REQUIREMENT

New development will require arterial roadways and such roadways are considered to benefit all new development. The construction of arterial roads and the cost of land purchased for arterial road right-of-way is included in the Off-Site Levy calculations as costs to be shared equitably by new development.

Where the arterial road traverses any parcel, the owner/developer of the land will be required to dedicate land up to 24 metres in width for the purpose of constructing the road. Where the arterial road is located on the boundary between two parcels, each parcel will be required to dedicate 12 metres of land, in addition to any existing road allowances. Where there is a requirement for a second left turn lane at the arterial/arterial intersection, the owner/developer will be required to dedicate land equal in width to the additional wider road surface required to accommodate the second left turn lane. Typically, the additional left turn requires a 3.5 metre wide lane with a taper on both sides of the intersection for transition of the arterial road right-of-way back to its nominal width.

Further requirements at arterial/arterial intersections for parallel widening of the rights-of-ways for the deceleration lane, acceleration lane and corner cut-off for the arterial roads will be purchased from the owners at fair market values, and such costs included in the levy calculations. Road right-of-way widths are as prescribed for each specific arterial roadway.

5.3 TRANSPORTATION GRANTS

The application of grants for arterial road projects are reviewed annually and annual levy calculations for arterial roads may reflect current grant applications as determined by the County. Designation of grants to arterial road projects shall be determined at the County's discretion.

5.4 NOISE ATTENUATION FACILITIES

Developers are responsible to construct required noise attenuation on a project specific basis, in accordance with the County's Traffic Noise Policy SER-009-027 and amendments thereto.

5.5 ARTERIAL ROAD ACCESSES AND INTERSECTIONS

Developers are responsible for the construction cost of intersections to arterial roads required for access to their development, including acceleration, deceleration, and median left turn bays, and related costs.

The developer/owner will be required to dedicate all land required over and above the nominal arterial road right-of-way width for arterial/collector road intersections. This includes land for the corner cut-off, deceleration lane, acceleration lane, and additional left turn lanes. A standard arterial median will accommodate one left turn lane without the need to widen the arterial road right-of-way.

The cost of arterial road signals, will be shared in the following manner:

- a. Arterial/Arterial Road Intersections: The cost of signals at arterial/arterial road intersections will be included in the Off-Site Levies.
- b. Residential Arterial/Collector Road Intersections: The cost of signals will be included in the Off-Site Levies on a proportionate basis associated with the section of the road infrastructure and the adjacent development.
- c. Industrial Arterial Road Intersections: The costs of signals will be the responsibility of the developer.

Where arterial roads have been constructed by the County prior to development of contiguous lands, the County may have constructed components of intersections with the arterial road. These intersection costs will be recovered from the adjacent property when it develops, at the time of execution of a subdivision agreement or issuance of a development permit.

5.6 ARTERIAL ROADWAY LANDSCAPING AND PEDESTRIAN LINKAGES

Arterial roadway landscaping and pedestrian linkages required for new development are included in calculations of Off-Site Levies.

5.7 ARTERIAL ROAD CONSTRUCTION PROGRAMS

Any proposed new developments which are not contiguous to or adequately serviced by an existing arterial road may be required to construct and pay for that portion of the arterial roadway necessary to provide required access. Off-Site Levies payable on that development may be credited to the arterial construction costs incurred by that development, subject to Council approval of the project and subject to the work being completed to the satisfaction of the County.

5.8 SUBDIVISION IDENTIFICATION FEATURES

Developers and landowners are responsible for 100% of the capital costs of subdivision identification features and related land requirements, pursuant to

the County's New Development Major Entrance Features Directive SER-008-018D, and amendments thereto.

5.9 UNDERGROUND POWER COSTS

Underground power costs have been added to the estimated construction costs of applicable arterial roads and will be incorporated into the Off-Site Levies.

5.10 CONSTRUCTION COST ESTIMATES

Construction costs are based on estimated unit rates for similar projects applied to estimated construction quantities per kilometre of arterial road built.

Construction cost estimates include all site preparation, earthwork, base and surface construction, concrete work, markings, signage, utilities, landscaping, land requirements, engineering, and related facilities.

5.11 TRANSPORTATION FACILITIES FUNDED BY OFF-SITE LEVIES

5.11.1 North of Yellowhead

Transportation projects included within the Off-Site Levies are as recommended in the North of Yellowhead Engineering Design Brief and as identified in Table 3 below.

Ultimate buildout of the area also provides transportation servicing for future growth outside of the North of Yellowhead benefiting area, therefore a portion of the total costs for some of the improvements have been proportionally assigned /shared to the West of Highway 21 Area Concept Plan benefiting area.

Table 3:

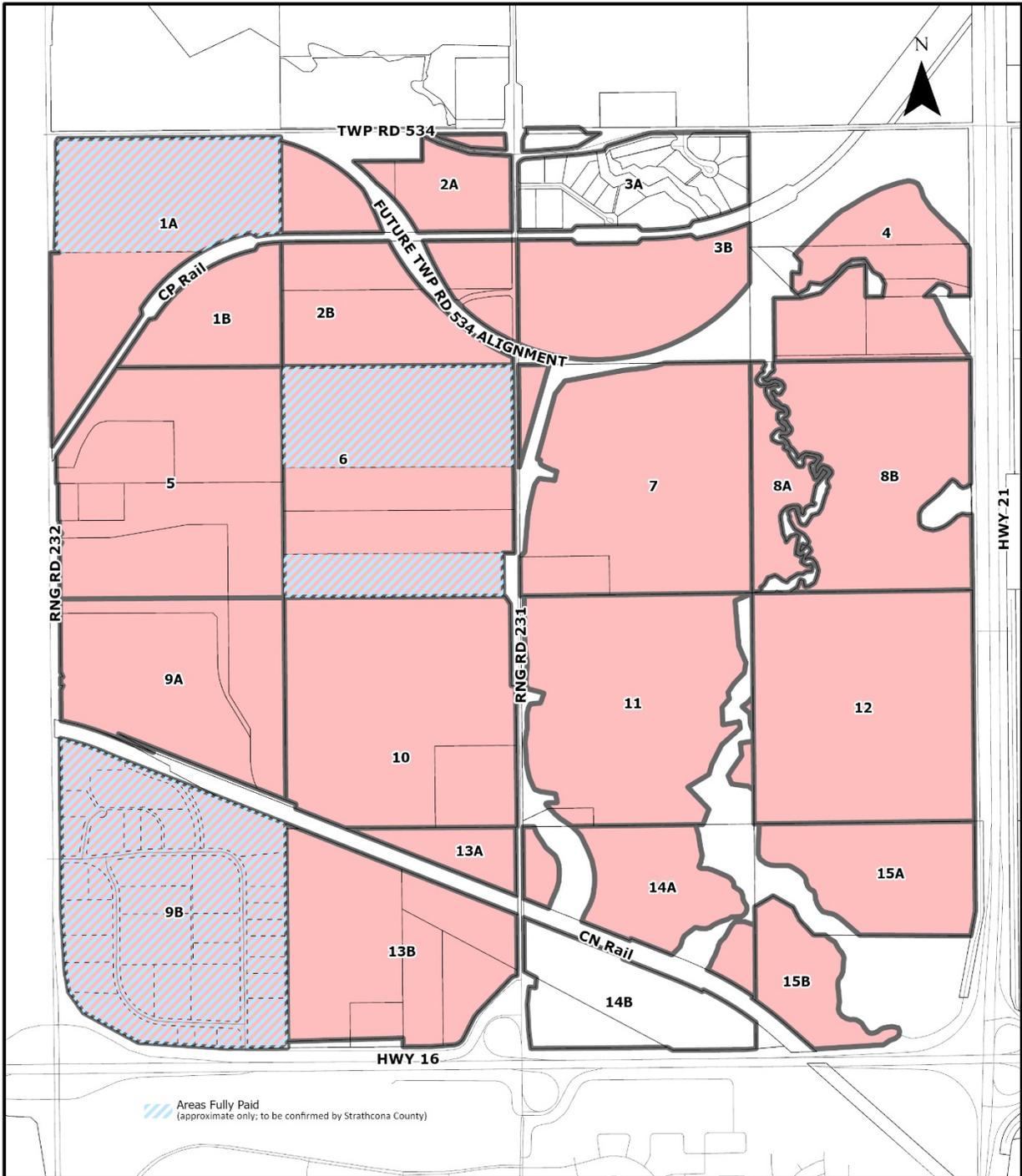
**North of Yellowhead
2021 Arterial Road Facilities Cost Estimates**

Project Description	Project Cost Estimate	Developer Levy Costs
Range Rd 232 Hwy 16 to Turbo Access - Add 2 lanes	\$2,430,000	--
Range Rd 232 Turbo Access to CP Railway Crossing - Add 2 lanes	\$9,460,000	--
Range Rd 232 Turbo Access to CP Railway Crossing - Final Lift	\$640,000	--

Range Rd 232 CPR Railway Crossing to TWP 534 - 4 lanes	\$33,532,919	\$4,117,234
Range Rd 232 CNR Railway Overpass	\$26,630,000	\$13,581,300
Range Rd 232 CPR Railway Overpass	\$23,980,000	--
Range Rd 231 Hwy 16 to TWP 534 - 4 lanes	\$41,956,950	\$25,407,530
Range Rd 231 CNR Railway Overpass	\$35,050,000	\$30,702,850
Township Rd 534 RR232 to RR231 - 4 lanes	\$44,858,000	\$35,698,000
Township Rd 534 RR231 to Hwy 21 - 4 lanes	\$23,455,700	\$15,365,700
Township Rd 534 Oldman Creek Bridge (4 Lane Structure)	\$8,500,000	\$3,113,333
Township Rd 534 TWP 534 CPR Railway Overpass	\$16,890,006	--
Township Road 534 (Note 1) Highway 21 interchange	\$159,300,000	--

Note 1: Levy costs still to be determined and portion will be added to the North of Yellowhead benefiting area in the future.

Schedule "A-3" Arterial Road Levy Basin



<p><i>Transportation Levies North of Yellowhead Benefitting Basin</i></p>	SCHEDULE "A-3"	
	PLANNING & DEVELOPMENT SERVICES STRATHCONA COUNTY	
	Date Drawn: June 21, 2021	Revision Date: N/A