

2022 OFF-SITE LEVY REPORT

TOWN OF VERMILION



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INTRODUCTION

In April 2011, Town of Vermilion retained CORVUS Business Advisors for the provision of services related to the development of off-site levy rates.

Prior to 2012, the Town of Vermilion established various levies, development charges and development agreements to help fund off-site infrastructure costs. The Town recognized that current funding methods did not cover the full cost of off-site infrastructure and that any funding shortfall ultimately required tax or other municipal support. The establishment of new harmonized off-site levy rates provided the Town with an opportunity to understand the cost of infrastructure required to support development, the grants and other contributions that may be anticipated in defraying infrastructure costs, and infrastructure cost assignment to benefiting parties.

Introducing new off-site levies in 2012, the Town now facilitates growth of the community by providing harmonized off-site levy rates for roads, water, sanitary, and stormwater infrastructure that are fair and equitable and comply with legislative and regulatory requirements. This report outlines the roads, water, sanitary, and stormwater off-site levy rates for Town of Vermilion.

RATES

2022 Rates - Cost Per Acre

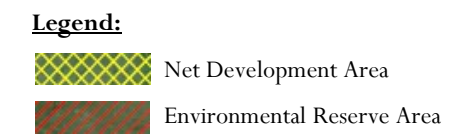
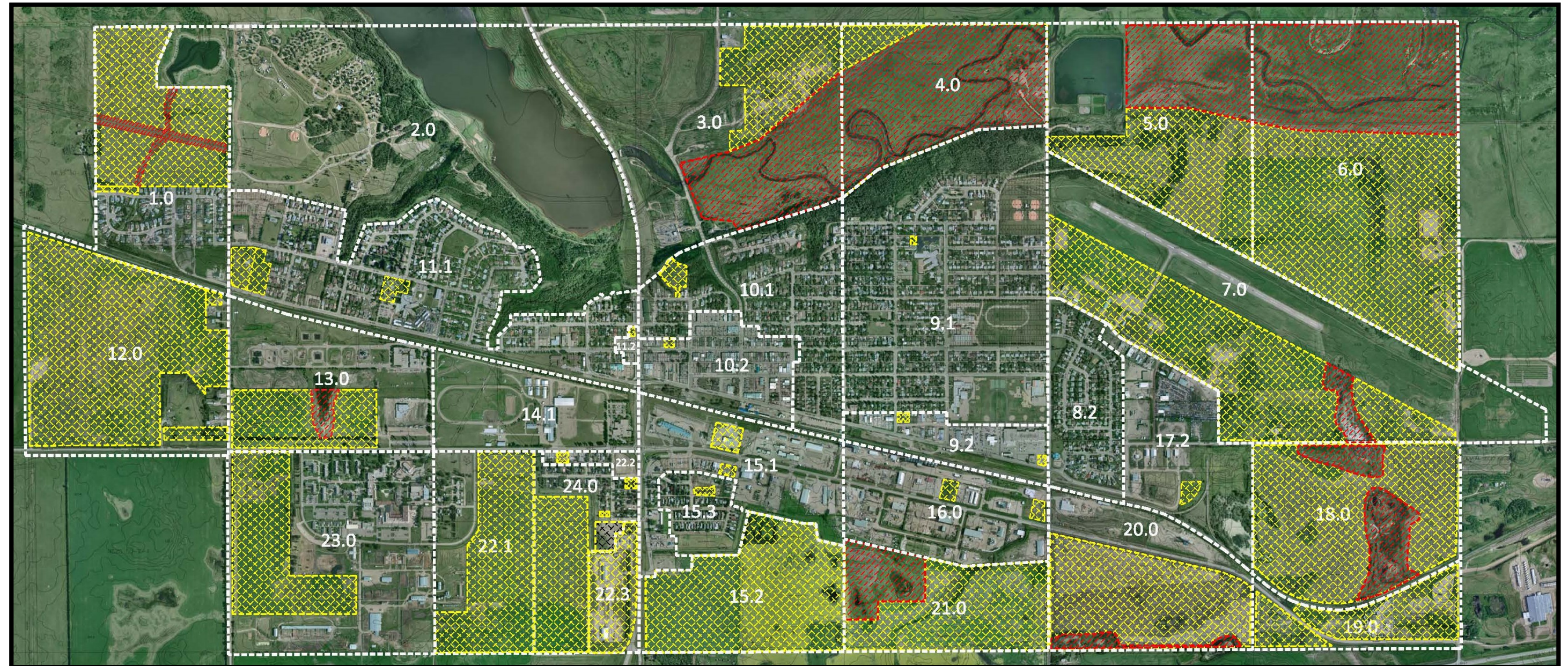
Area Ref. #	Transportation Charges	Water Charges	Sanitary Charges	Storm Charges	Total
1.0	\$ -	\$ 3,675	\$ 18,139	\$ -	\$ 21,814
2.0	\$ -	\$ 3,675	\$ 18,139	\$ -	\$ 21,814
3.0	\$ -	\$ 3,675	\$ -	\$ -	\$ 3,675
4.0	\$ -	\$ 3,675	\$ -	\$ -	\$ 3,675
5.0	\$ -	\$ 3,675	\$ 7,208	\$ -	\$ 10,883
6.0	\$ -	\$ 3,675	\$ 7,208	\$ -	\$ 10,883
7.0	\$ -	\$ 3,675	\$ 7,208	\$ -	\$ 10,883
8.2	\$ -	\$ 3,675	\$ 7,208	\$ -	\$ 10,883
9.1	\$ -	\$ 3,675	\$ 12,144	\$ -	\$ 15,819
9.2	\$ -	\$ 3,675	\$ 12,144	\$ -	\$ 15,819
10.1	\$ -	\$ 3,675	\$ 12,144	\$ -	\$ 15,819
10.2	\$ -	\$ 3,675	\$ 12,144	\$ -	\$ 15,819
11.1	\$ -	\$ 3,675	\$ 18,139	\$ -	\$ 21,814
11.2	\$ -	\$ 3,675	\$ 12,144	\$ -	\$ 15,819
12.0	\$ -	\$ 3,675	\$ 18,139	\$ -	\$ 21,814
13.0	\$ -	\$ 3,675	\$ 12,144	\$ -	\$ 15,819
14.1	\$ -	\$ 3,675	\$ 13,166	\$ 2,604	\$ 19,445
15.1	\$ -	\$ 3,675	\$ 13,892	\$ 2,604	\$ 20,171
15.2	\$ -	\$ 3,675	\$ 13,892	\$ 2,604	\$ 20,171
15.3	\$ -	\$ 3,675	\$ 12,144	\$ 2,604	\$ 18,423
16.0	\$ 4,679	\$ 5,127	\$ 7,208	\$ 2,604	\$ 19,619
17.2	\$ -	\$ 3,675	\$ 7,208	\$ -	\$ 10,883
18.0	\$ -	\$ 3,675	\$ 7,208	\$ -	\$ 10,883
19.0	\$ -	\$ 5,127	\$ -	\$ -	\$ 5,127
20.0	\$ 4,679	\$ 5,127	\$ 7,208	\$ -	\$ 17,014
21.0	\$ 4,679	\$ 5,127	\$ 7,208	\$ 2,604	\$ 19,619
22.1	\$ -	\$ 4,180	\$ 13,166	\$ 2,604	\$ 19,950
22.2	\$ -	\$ 3,675	\$ 12,144	\$ 2,604	\$ 18,423
22.3	\$ -	\$ 4,180	\$ 21,646	\$ 2,604	\$ 28,431
23.0	\$ -	\$ 3,675	\$ 13,166	\$ -	\$ 16,841
24.0	\$ -	\$ 4,180	\$ 21,646	\$ 2,604	\$ 28,431

Legend:
Residential
Commercial
Industrial
No Development Area Available
Development >25 years



DEVELOPMENT AREA

The Town's off-site levy development area is divided into several basins and sub-basins as shown in the map below.



SUMMARY OF DEVELOPMENT AREAS

Area Ref. #	Location	Land Use	Gross Area (ha.)	Environmental Reserves (ha.)	Municipal Reserves (10%)	Road Right of Way	Net Development Area (ha.)	Area Developed to Date (ha.)	Net Development Area in 25 Yrs	Net Development After 25 Years
1.0	Brennan North & South	Residential	27.63	2.84	2.48	-	22.31	-	22.31	-
2.0	Vermilion Provincial Park	Residential	-	-	-	-	-	-	-	-
3.0	North River Hill	Residential	36.31	21.56	1.48	-	13.27	-	1.42	11.85
4.0	NE 32-50-6-W4 (River Basin)	Residential	39.71	36.73	0.30	-	2.68	-	0.10	2.58
5.0	NW 33-50-6-W4 (River & STP Lagoon)	Residential	44.35	17.12	2.72	-	24.51	-	0.10	24.41
6.0	NE 33-50-6-W4 (River and Farmland)	Residential	94.58	34.70	5.99	-	53.89	-	0.10	53.79
7.0	SE 33-50-6-W4 (Airstrip & Farmland)	Industrial	49.47	2.73	4.67	-	42.07	0.774	8.48	32.82
8.2	Airport Subdivision (north)	Residential	-	-	-	-	-	-	-	-
9.1	NE & SE 32-50-6-W4	Residential	0.125	-	-	-	0.13	0.055	0.07	-
9.2	SE 32-50-6-W4	Commercial	0.31	-	-	-	0.31	-	0.31	-
10.1	SW 32-50-6-W4 Downtown	Residential	0.92	-	0.09	-	0.83	-	0.83	-
10.2	SW 32-50-6-W4 Downtown	Commercial	0.64	-	-	-	0.64	0.507	0.13	-
11.1	West Side - Hwy 41 to Beck Scott Trail	Residential	3.26	-	0.13	-	3.13	1.06	2.07	-
11.2	West of Hwy 41	Commercial	0.09	-	-	-	0.09	-	0.09	-
12.0	SE 36-50-6-W4	Residential	49.81	-	4.95	-	44.87	-	1.44	43.43
13.0	SW 31-50-6-W4 (Fire etc & VRC)	Residential	13.14	1.55	1.16	-	10.43	-	10.43	-
14.1	SE 31-50-6-W4 (Fairgrounds, Stadium, etc)	Residential	-	-	-	-	-	-	-	-
15.1	East Hwy 41 Highway Commercial	Commercial	4.56	-	0.11	-	4.45	3.23	1.22	-
15.2	Junction Sixteen/41	Commercial	32.33	-	2.05	-	30.28	6.777	23.51	-
15.3	South Side Residential	Residential	0.25	-	-	-	0.25	-	0.25	-
16.0	NE 29-50-6-W4	Industrial	0.85	-	-	-	0.85	-	0.85	-
17.2	Garnet Industrial (Plan 802 0728)	Industrial	1.32	-	-	-	1.32	0.809	0.51	-
18.0	NE 28-50-6-W (north)	Industrial	45.80	9.70	3.61	-	32.49	-	4.19	28.30
19.0	NE 28-50-6-W4 (south)	Industrial	13.60	-	1.36	-	12.24	-	12.24	-
20.0	NW 28-50-6-W4	Industrial	28.83	2.17	2.67	-	23.99	-	23.99	-
21.0	Yellowhead Business Park	Industrial	29.84	7.69	-	4.78	17.36	0.638	16.72	-
22.1	NE 30-50-6-W4 (LLC)	Residential	21.61	-	2.16	-	19.45	-	19.45	-
22.2	College Drive Commercial	Commercial	0.18	-	-	-	0.18	-	0.18	-
22.3	West 41 Highway Commercial	Commercial	8.10	-	0.81	-	7.29	-	7.29	-
23.0	NW 30-50-6-W4	Residential	18.60	-	1.86	-	16.74	-	16.74	-
24.0	NE 30-50-6-W4 (Pilkieville)	Residential	14.51	-	1.42	-	13.09	-	1.18	11.91
			580.73	136.79	40.02	4.78	399.14	13.85	176.20	209.09

No Land Available



DEVELOPMENT AREA DETAIL

Net Development Area

The net development area is only those lands remaining to be developed within the basin that have not previously paid off-site levies (as is required by legislation/regulation).

Net development area is defined as follows:

- Gross Area – The area of lands to be developed in hectares.
 - Less: Any development areas that have previously paid an off-site levy.
 - Less: Any environmental reserves contained within the development area including environmental reserves and environmental easements.
 - Less: A 10% allowance for Municipal Reserves. Land that is less than 0.8 hectares is exempt from Municipal Reserve. MGA S.663.
 - Less: The measurement of arterial road right of way that bisects the development lands.

Description	Ha.
Gross Development Area	580.73
Less Environment Reserve	136.79
Less Municipal Reserve	40.02
Less ROW Allowance	4.78
Net Development Area	399.14

A rate planning period of 25 years is used for off-site levies. This planning period is typical for municipalities as it provides a reasonable time frame to recoup the costs associated with off-site levy infrastructure construction, and it aligns with the timeframes of most municipal capital planning and construction cycles.

	Ha.	
Land developed to date	13.85	3.5%
Developed in the next 25 Years	176.20	44.1%
Developed beyond 25 Years	209.09	52.4%
Total Net Development Area	399.14	

Net development areas are further classified according to anticipated land use. Land use classifications include: Residential, Commercial and Industrial. The table below outlines the anticipated development by land use type during the rate planning period (25 years).

Net Development Area in Next 25 Years

Land Use Type	Ha.	
Residential	76.48	43.0%
Commercial	32.73	19.0%
Industrial	66.99	38.0%
Total	176.20	



INFRASTRUCTURE FACILITIES

ESTIMATED & ACTUAL COSTS

Facilities in the off-site levy model are infrastructure that will benefit the community as a whole and/or specific area(s) of community. Each facility is allocated to the areas it will benefit and costs are distributed per acre to developers.

Off-site levies are designed to support future infrastructure facilities so costs are estimated based on studies and archived data. Estimated costs are used until all the actual costs are recorded. Estimated costs have engineering and contingencies built into the costs to reflect a more accurate assessment.

SPECIAL GRANTS & CONTRIBUTIONS

The Municipal Government Act (MGA) enables municipalities to recoup costs for infrastructure. These costs are reflected in the OSL Model as special grant or contribution (i.e., developer agreement or other) and rates are adjusted accordingly.

These special grants and contributions reduce the overall cost of infrastructure facilities and reduce the total off-site levies that are collected.

BENEFITING PARTIES

Infrastructure facilities will benefit various parties to varying degrees; this is dependent on population, location and time frame. During the review of the off-site levy model, three potential benefiting parties were identified including:

- Town of Vermilion – a portion of the infrastructure, which is required to service existing residents.
- Other Stakeholders (or oversizing) – other parties (such as neighboring municipalities) or growth beyond the 25 year time frame of this review, that benefit from infrastructure oversizing and the like.
- Off-site Levies – all growth related infrastructure during the 25 year rate planning period.

Percentage allocations are determined after reducing infrastructure costs for grants and contributions described earlier.

Some facilities are divided between the benefiting parties, others are charged solely to one party. For facilities that are divided between all three benefiting parties, the breakdown is determined by population.



<u>Benefiting Parties</u>	<u>Population</u>	<u>%</u>
Current Population	4150	55.333%
Population 25 years	6178	27.040%
Additional Population Capacity beyond 25 years	1322	17.627%
Total Population Capacity of infrastructure estimated to be	7500	

DEVELOPER COSTS

The developer costs are used to determine the Off-site levy rates. Developer costs are calculated after special grants and contributions, benefiting party allocations and past off-site levies have been applied to the total facility cost.

Infrastructure	Total Cost	Developer Cost
Transportation Facilities	\$472,342	\$464,796
Water Facilities	\$6,649,124	\$1,767,628
Sewer Facilities	\$17,711,081	\$4,819,352
Storm Facilities	\$503,663	\$439,733
Total	\$25,336,210	\$7,491,509

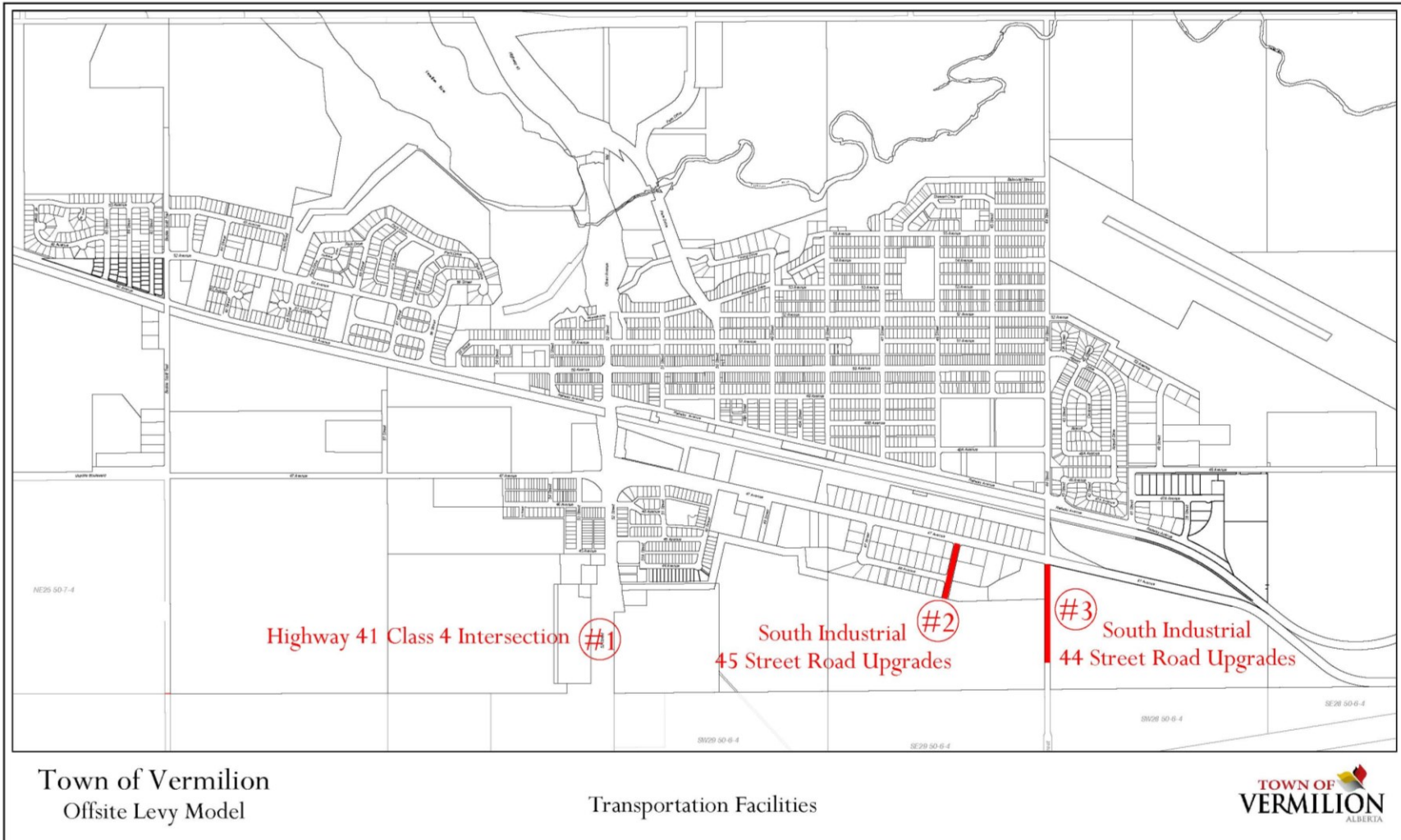
RESERVE BALANCE

Levy Type	Reserve Balance
Transportation Facilities	\$7,546
Water Facilities	\$1,550
Sewer Facilities	\$229,991
Storm Facilities	\$63,929
Total	\$303,016

Reserve balance as of April 11, 2022



TRANSPORTATION FACILITIES



Project 1 - Highway 41 Class 4 Intersection

Description:

Install 4-way traffic lights with turning lanes at the intersection of highway 41 and 42 Avenue

Status:

Removed



Notes:

This project was cancelled and removed from the off-site levy model in 2014.



Project 2 - South Industrial 45 St. Road Upgrade

Description:

Pavement overlay on 45 Street from 46-47 Avenue

Status:

Completed

Estimated Cost of Work:

2011 Street Improvement Program (ASL Paving)	\$320,933
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Actual Cost of Work:

2013 Street Improvement Program (Border Paving)	\$268,659
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Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	268,659
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion	\$	-
Other Stakeholders	\$	-
Off-Site Levies	\$	-



Notes:

The South Industrial 45 St. Road Upgrade is covered by developer agreement contribution. There are no off-site levy costs associated with this project.



PROJECT 2 - SOUTH INDUSTRIAL 45 ST. ROAD UPGRADE

NOTES:

Unknown breakdown for cost estimate.

NOTES:

Costs are based on the 2013 Street Improvement Program (Border Paving)

The South Industrial 45 St. Road Upgrade is covered by developer agreement contribution.

There are no off-site levy costs associated with this project.

Project was completed in 2013.



Project 3 - South Industrial 44 St. Road Upgrade

Description:

Pavement overlay on 44 Street from 42-47 Avenue
4,150 m2 of 120 mm Asphalt Overlay

Status:

Active

Estimated Cost of Work:

2022 Estimate for similar work on 48A Avenue (BAR Engineering)	\$472,342
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Actual Cost of Work:

TBD	\$ -
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Special Grants & Contributions:

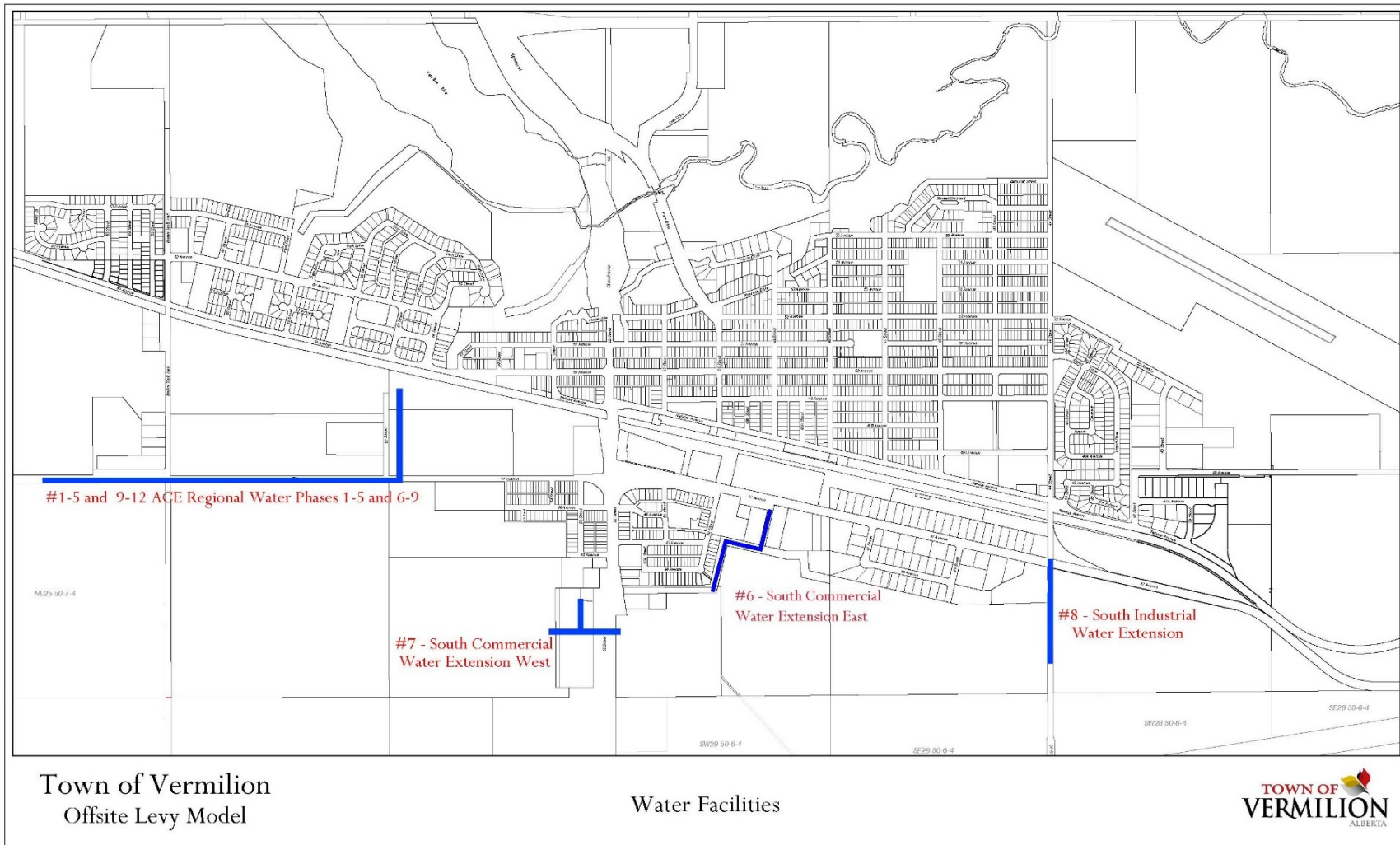
Special Grants		\$ -
Developer Agreement Contributions		\$ -
Other Contributions		\$ -

Benefiting Parties:

Town of Vermilion		\$ -
Other Stakeholders		\$ -
Off-Site Levies	100%	\$472,342



WATER FACILITIES



Project 1 - ACE Regional Water Phase I

Description:

ACE Regional Water to Lavoy and Two Hills

Status:

Completed

Estimated Cost of Work:

2011 Project Cost Estimates (Alberta Central East Water Corporation)	\$763,782
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Actual Cost of Work:

2012 Invoice #IVC000013054 (County of Vermilion River)	\$731,494
2014 Invoice #IVC000014464 (County of Vermilion River)	\$ 44,217
Debenture Interest	\$107,330
	\$883,041

Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion	55.333%	\$488,613
Other Stakeholders	27.040%	\$155,654
Off-Site Levies	17.627%	\$238,774



Project 2 - ACE Regional Water Phase II

Description:

ACE Regional Water to Ranfurly, Innisfree, Mannville and Vermilion

Status:

Completed

Estimated Cost of Work:

2011 Project Cost Estimates (Alberta Central East Water Corporation)	\$2,009,588
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Actual Cost of Work:

2012 Invoice #IVC000013351 (County of Vermilion River)	\$1,699,834
2014 Invoice #IVC000014464 (County of Vermilion River)	\$ 220,260
Debenture Interest	\$ 474,719
	\$2,394,813

Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion	55.333%	\$1,325,122
Other Stakeholders	27.040%	\$ 422,133
Off-Site Levies	17.627%	\$ 647,558



Project 3 - ACE Regional Water Phase III

Description:

ACE Regional Water to Duvernay, Musidora, Beauvallon and Myrnam

Status:

Completed

Estimated Cost of Work:

2011 Project Cost Estimates (Alberta Central East Water Corporation)	\$721,299
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Actual Cost of Work:

2014 Invoice #IVC000014464 (County of Vermilion River)	\$519,165
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Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion	55.333%	\$287,269
Other Stakeholders	27.040%	\$ 91,514
Off-Site Levies	17.627%	\$140,382



Project 4 - ACE Regional Water Phase IV

Description:

ACE Regional Water Lloydminster to Kitscoty

Status:

Completed

Estimated Cost of Work:

2011 Project Cost Estimates (Alberta Central East Water Corporation)	\$1,026,325
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Actual Cost of Work:

2014 Invoice #IVC000014464 (County of Vermilion River)	\$ 90.00
2017 Invoice #CVR-05152017 (ACE Water Corporation)	\$791,511
	\$791,601

Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion	55.333%	\$438,016
Other Stakeholders	27.040%	\$139,536
Off-Site Levies	17.627%	\$214,049



Project 5 - ACE Regional Water Phase V

Description:

ACE Regional Water Kitscoty to Marwayne

Status:

Completed

Estimated Cost of Work:

2011 Project Cost Estimates (Alberta Central East Water Corporation)	\$882,783
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Actual Cost of Work:

2017 Invoice #CVR-05152017 (ACE Water Corporation)	\$292,751
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Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion	55.333%	\$161,988
Other Stakeholders	27.040%	\$ 51,603
Off-Site Levies	17.627%	\$ 79,160



Project 1-5 ACE Regional Water Phase 1-5

Estimated Cost of Work

	Lavoy, Two Hills	Ranfurly, Innisfree, Mannville, Vermilion	Duvernay, Musidora, Beauvallon, Myrnam	Lloyd, Kitscoty	Kitscoty, Marwayne
	<u>Phase I</u>	<u>Phase II</u>	<u>Phase III</u>	<u>Phase IV*</u>	<u>Phase V*</u>
Estimated Project Cost	\$21,621,636.70	\$55,139,680.90	\$12,946,290.00	\$21,987,191.20	\$8,132,248.80
Provincial Share (90% of Project Costs)	\$19,459,473.03	\$49,625,712.81	\$11,651,661.00	\$19,788,472.08	\$7,319,023.92
Municipal Share (10% of Project Costs)	\$2,162,163.67	\$5,513,968.09	\$1,294,629.00	\$2,198,719.12	\$813,224.88
Municipal Share (10% of Project Costs):					
Remaining Twelve Municipalities (64%)	\$1,383,784.75	\$3,528,939.58	\$828,562.56	\$1,407,180.24	\$520,463.92
Town of Vermilion (36%) =	\$778,378.92	\$1,985,028.51	\$466,066.44	\$791,538.88	\$292,760.96

Actual Cost of Work

	<u>Phase I</u>	<u>Phase II</u>	<u>Phase III</u>	<u>Phase IV</u>	<u>Phase V</u>
Town of Vermilion Cost Breakdown					
Expenditures					
Invoice # IVC000013054	\$731,493.76				
Invoice # IVC000013351		\$1,699,833.65			
Invoice # IVC000014464	\$44,217.41	\$220,260.63	\$519,164.70	\$89.70	
Invoice # CVR-05152017				\$791,510.87	\$292,750.59
Invoice # CVR-CC32018					
Invoice #40					
Invoices YTD =	\$775,711.17	\$1,920,094.28	\$519,164.70	\$791,600.57	\$292,750.59

Funding Sources

	<u>Phase I</u>	<u>Phase II</u>	<u>Phase III</u>	<u>Phase IV</u>	<u>Phase V</u>
Debentures/Grants					
Debenture # 67 (2012)	\$763,782.00				
Debenture # 71 (2013)		\$1,699,833.65			
Debenture # 74 (2014)	\$44,217.41	\$220,260.63			
MSI Grant Funding (2014)			\$519,164.70	\$89.70	
MSI Grant Funding (2017)				\$426,510.87	\$157,750.59
Reserves (2017)				\$292,000.00	\$108,000.00
Off-Site Levy Reserve (2017)				\$73,000.00	\$27,000.00
MSI Grant Funding (2018)					
Capital Reserves (2021)					
Operating Reserves (2021)					
Off-Site Levy Reserve (2021)					
Debentures/Grants YTD =	\$807,999.41	\$1,920,094.28	\$519,164.70	\$791,600.57	\$292,750.59

Cont....



Project 1-5 ACE Regional Water Phase 1-5

*The municipal cost for Phase IV and V are combined on the Draft Reports from ACE. There was a note in the April 27, 2017 (says April 27, 2016) ACE Shareholder Meeting Notes that breaks down the cost for Phase IV as \$2,736,010 (73%) and Phase V as \$1,000,934 (27%) for a total of \$3,736,944 which matches the total for Phase IV and V on the April 27, 2017 draft report. On May 10, 2017, ACE issued an invoice for \$1,084,261.46 with a revised draft report indicating Phase IV & V would cost a total of \$3,011,944.

*Phase IV and V calculated from the breakdown provided from the April 27, 2017 meeting notes. I applied a percentage to the revised draft report issued May 10, 2017 to determine the cost for Phase IV and Phase V. The revised breakdown is as follows:

Invoice CVR-05152017 = \$1,084,261.46

Phase IV = 73% @ \$791,510.87

Phase V = 27% @ \$292,750.59

**Email received on March 25, 2018 detailing total project costs for Phase VII to IX

**Phase VII, VIII and IX calculated from the breakdown provided from the Sept 2020 meeting notes.



Project 6 - South Commercial - Water Extension East

Description:

Extended water main from 47 Avenue to Junction Sixteen/Hwy 41
Commercial Subdivision

Status:

Completed

Estimated Cost of Work:

2014 Gateway Area Development – Phase 1 (BEL Contracting)	\$173,923
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Actual Cost of Work:

2014 Gateway Area Development – Phase 1 (BEL Contracting)	\$255,411
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Special Grants & Contributions:

Special Grants	\$ -
Developer Agreement Contributions	\$255,411
Other Contributions	\$ -

Benefiting Parties:

Town of Vermilion	\$ -
Other Stakeholders	\$ -
Off-Site Levies	\$ -

Notes:

The South Commercial Water Extension East Project is covered by developer agreement contribution. There are no off-site levy costs associated with this project.



Project 7 - South Commercial - Water Extension West

Description:

Extended water main from Junction Sixteen/Hwy 41 Commercial Subdivision across Hwy 41 for future development

Status:

Completed

Estimated Cost of Work:

2014 Gateway Area Development – Phase 1 (BEL Contracting)	\$87,044
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Actual Cost of Work:

2014 Gateway Area Development – Phase 1 (BEL Contracting)	\$33,717
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Special Grants & Contributions:

Special Grants		\$	-
Developer Agreement Contributions		\$	-
Other Contributions		\$	-

Benefiting Parties:

Town of Vermilion		\$	-
Other Stakeholders		\$	-
Off-Site Levies	100%	\$	33,717



Project 8 - South Industrial – Water Extension

Description:

Extended water main from 47 Ave to Yellowhead Business Park Subdivision

Status:

Completed

Estimated Cost of Work:

2011 Engineering Estimate (BAR Engineering)	\$259,095
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Actual Cost of Work:

2013 Yellowhead Business Park Underground (Grayson Excavating)	\$188,294
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Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion		\$	-
Other Stakeholders		\$	-
Off-Site Levies	100%	\$	188,294



PROJECT 8 – SOUTH INDUSTRIAL - WATER EXTENSION

NOTES:

Unknown breakdown for cost estimate.

NOTES:

Costs are based on the 2013 Yellowhead Business Park Underground Improvements Program - PPC # 4 Invoice (Grayson Excavating Ltd.) up to the subdivision only.

Measurements are based on the 2013 Yellowhead Business Park Underground Improvements Program - As Built Drawing #11-2035 UG REV2).

Project was completed in 2013.



Project 9 - ACE Regional Water Phase VI

Description:

ACE Regional Water to Kitscoty to Islay

Status:

Completed

Estimated Cost of Work:

2018 Project Cost Estimates (Alberta Central East Water Corporation)	\$117,334
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Actual Cost of Work:

2018 Invoice #CVR-CC032018 (Alberta Central East Water Corporation)	\$116,942
---	-----------

Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion	55.333%	\$64,708
Other Stakeholders	27.040%	\$20,613
Off-Site Levies	17.627%	\$31,621



Project 10 - ACE Regional Water Phase VII

Description:

ACE Regional Water to Marwayne to Dewberry, Clandonald

Status:

Completed

Estimated Cost of Work:

2020 Project Cost Estimates (Alberta Central East Water Corporation)	\$720,000
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Actual Cost of Work:

2021 Invoice #40 (Alberta Central East Water Corporation)	\$717,800
---	-----------

Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion	55.333%	\$397,180
Other Stakeholders	27.040%	\$126,527
Off-Site Levies	17.627%	\$194,093



Project 11 - ACE Regional Water Phase VIII

Description:

ACE Regional Water to Kitscoty to Paradise Valley

Status:

Active

Estimated Cost of Work:

2020 Project Cost Estimates (Alberta Central East Water Corporation)	\$540,000
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Actual Cost of Work:

TBD	\$ -
-----	------

Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion	55.333%	\$298,798
Other Stakeholders	27.040%	\$ 95,186
Off-Site Levies	17.627%	\$146,016



Project 12 - ACE Regional Water Phase IX

Description:

ACE Regional Water Myrnam to Derwent

Status:

Active

Estimated Cost of Work:

2020 Project Cost Estimates (Alberta Central East Water Corporation)	\$ 171,000
--	------------

Actual Cost of Work:

TBD	\$ -
-----	------

Special Grants & Contributions:

Special Grants		\$ -
Developer Agreement Contributions		\$ -
Other Contributions		\$ -

Benefiting Parties:

Town of Vermilion	55.333%	\$ 94,619
Other Stakeholders	27.040%	\$ 30,142
Off-Site Levies	17.627%	\$ 46,239



Project 9-12 ACE Regional Water Phase 6-9

Estimated Cost of Work

	Kitscoty, Islay	Marwayne, Dewberry, Clandonald	Kitscoty, Paradise Valley	Myrnam, Derwent
	<u>Phase VI</u>	<u>Phase VII**</u>	<u>Phase VIII**</u>	<u>Phase IX**</u>
Estimated Project Cost	\$3,259,256.00	\$17,056,603.77	\$12,792,452.83	\$4,050,943.40
Provincial Share (90% of Project Costs)	\$2,933,330.40	\$8,364,779.87	\$6,273,584.91	\$1,986,635.22
Municipal Share (10% of Project Costs)	\$325,925.60	\$2,000,000.00	\$1,500,000.00	\$475,000.00
Municipal Share (10% of Project Costs):				
Remaining Twelve Municipalities (64%)	\$208,592.38	\$1,280,000.00	\$960,000.00	\$304,000.00
Town of Vermilion (36%) =	\$117,333.22	\$720,000.00	\$540,000.00	\$171,000.00

Actual Cost of Work

	<u>Phase VI</u>	<u>Phase VII</u>	<u>Phase VIII</u>	<u>Phase IX</u>
Town of Vermilion Cost Breakdown				
Expenditures				
Invoice # IVC000013054				
Invoice # IVC000013351				
Invoice # IVC000014464				
Invoice # CVR-05152017				
Invoice # CVR-CC32018	\$116,942.25			
Invoice #40		\$717,800.00		
Invoices YTD =	\$116,942.25	\$717,800.00	\$0.00	\$0.00

Funding Sources

	<u>Phase VI</u>	<u>Phase VII</u>	<u>Phase VIII</u>	<u>Phase IX</u>
Debentures/Grants				
Debenture # 67 (2012)				
Debenture # 71 (2013)				
Debenture # 74 (2014)				
MSI Grant Funding (2014)				
MSI Grant Funding (2017)				
Reserves (2017)				
Off-Site Levy Reserve (2017)				
MSI Grant Funding (2018)	\$116,942.00			
Capital Reserves (2021)		\$528,300.00		
Operating Reserves (2021)		\$99,533.63		
Off-Site Levy Reserve (2021)		\$89,966.37		
Debentures/Grants YTD =	\$116,942.00	\$717,800.00	\$0.00	\$0.00

Cont....



Project 9-12 ACE Regional Water Phase 6-9

*The municipal cost for Phase IV and V are combined on the Draft Reports from ACE. There was a note in the April 27, 2017 (says April 27, 2016) ACE Shareholder Meeting Notes that breaks down the cost for Phase IV as \$2,736,010 (73%) and Phase V as \$1,000,934 (27%) for a total of \$3,736,944 which matches the total for Phase IV and V on the April 27, 2017 draft report. On May 10, 2017, ACE issued an invoice for \$1,084,261.46 with a revised draft report indicating Phase IV & V would cost a total of \$3,011,944.

*Phase IV and V calculated from the breakdown provided from the April 27, 2017 meeting notes. I applied a percentage to the revised draft report issued May 10, 2017 to determine the cost for Phase IV and Phase V. The revised breakdown is as follows:

Invoice CVR-05152017 = \$1,084,261.46

Phase IV = 73% @ \$791,510.87

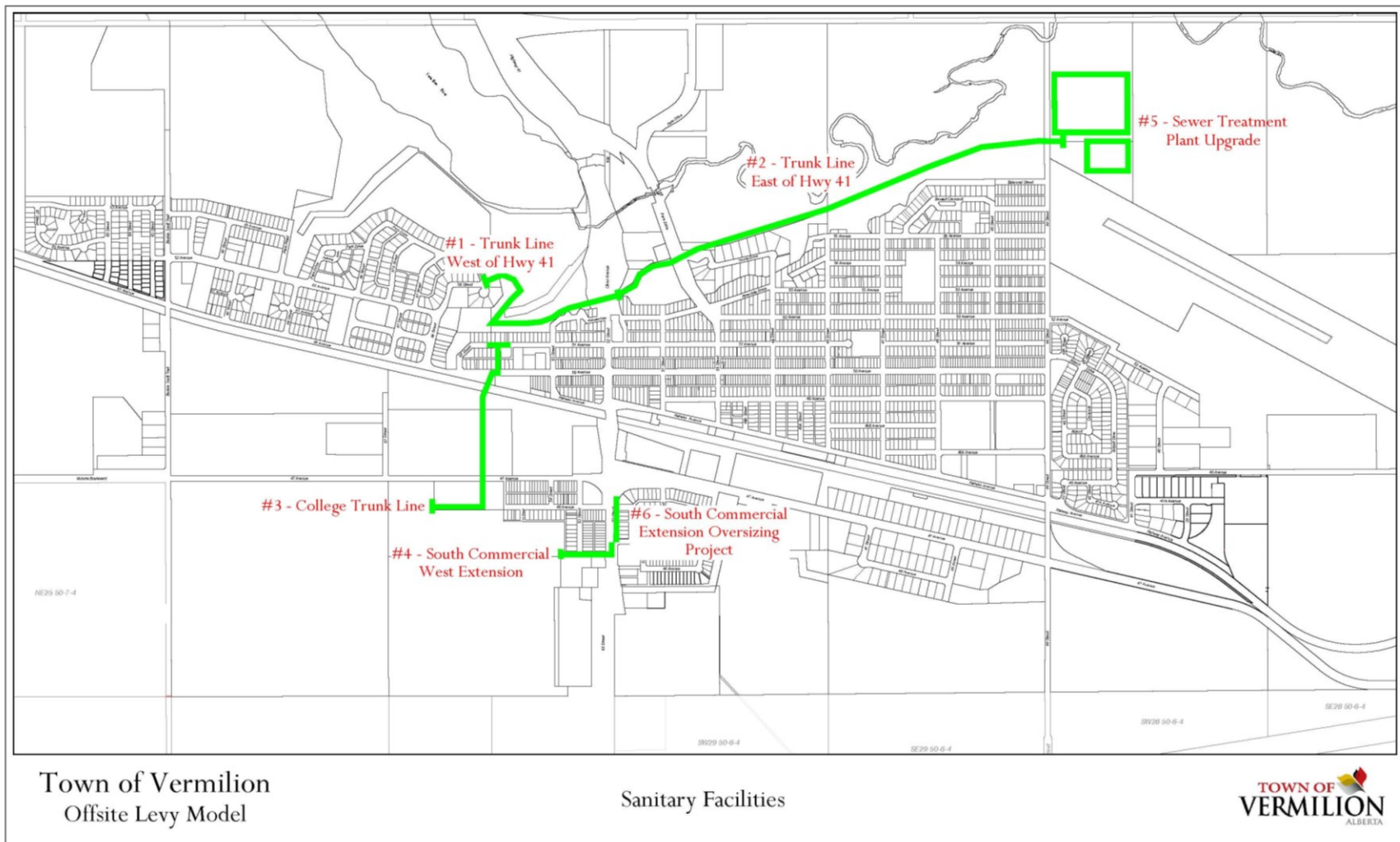
Phase V = 27% @ \$292,750.59

**Email received on March 25, 2018 detailing total project costs for Phase VII to IX

**Phase VII, VIII and IX calculated from the breakdown provided from the Sept 2020 meeting notes.



SANITARY FACILITIES



Project 1 - Trunk Line – West of Hwy 41

Description:

Install 415 m of 375 – 525 mm of pipe

Status:

Active

Estimated Cost of Work:

2021 Cost Estimate (BAR Engineering)	\$1,484,713
--------------------------------------	-------------

Actual Cost of Work:

TBD	\$ -
-----	------

Special Grants & Contributions:

Special Grants	\$ -
Developer Agreement Contributions	\$ -
Other Contributions	\$ -

Benefiting Parties:

Town of Vermilion	55.333%	\$ 821,536
Other Stakeholders	27.040%	\$ 261,711
Off-Site Levies	17.627%	\$ 401,466

Notes:

In 2016, the engineering plans were changed to install a new replacement line instead of twinning the line.

In 2021, BAR Engineering updated the cost estimates from the 2010 Sanitary Trunk Flow Monitoring & Upgrade Report (FOCUS Engineering)



Project 2 - Trunk Line – East of Hwy 41

Description:

Install 1,825 m of 375 – 750 mm of PVC pipe

Status:

Active

Estimated Cost of Work:

2021 Cost Estimate (BAR Engineering)	\$5,400,260
--------------------------------------	-------------

Actual Cost of Work:

TBD	\$ -
-----	------

Special Grants & Contributions:

Special Grants	\$ 433,307
Developer Agreement Contributions	\$ -
Other Contributions	\$ -

Benefiting Parties:

Town of Vermilion	55.333%	\$ 2,748,364
Other Stakeholders	27.040%	\$ 875,525
Off-Site Levies	17.627%	\$ 1,343,064

Notes:

In 2016, the engineering plans were changed to install a new replacement line instead of twinning the line.

In 2021, BAR Engineering updated the cost estimates from the 2010 Sanitary Trunk Flow Monitoring & Upgrade Report (FOCUS Engineering)



PROJECT 2 - TRUNK LINE - EAST OF HWY 41

Estimates

Install 1,825 m of 375 mm - 750 mm pipe via open and cut installation.

Open-cut	Qty	Cost	Total
Trenching & Compaction @ 0-4 m depth	1365	\$ 1,870.00	\$ 2,552,550.00
Trenching & Compaction @ 4-8 m depth	215	\$ 2,000.00	\$ 430,000.00
375 mm Pipe Bedding	315	\$ 155.00	\$ 48,825.00
450 mm Pipe Bedding	40	\$ 200.00	\$ 8,000.00
600 mm Pipe Bedding	715	\$ 250.00	\$ 178,750.00
675 mm Pipe Bedding	510	\$ 300.00	\$ 153,000.00
375 mm PVC SDR35	315	\$ 275.00	\$ 86,625.00
450 mm PVC SDR35	40	\$ 325.00	\$ 13,000.00
600 mm PVC SDR35	715	\$ 375.00	\$ 268,125.00
675 mm PVC SDR35	510	\$ 425.00	\$ 216,750.00
50 mm Thick Pipe Insulation	140	\$ 75.00	\$ 10,500.00
75 mm Thick Pipe Insulation	340	\$ 100.00	\$ 34,000.00
Tie-in to Existing Sewer Main	2	\$ 5,000.00	\$ 10,000.00
Manhole Removal	15	\$ 300.00	\$ 4,500.00
Manhole Abandon	50	\$ 200.00	\$ 10,000.00
1200 mm Manhole	25	\$ 3,000.00	\$ 75,000.00
1500 mm Manhole	40	\$ 3,475.00	\$ 139,000.00
Internal Drop Structure	1	\$ 1,000.00	\$ 1,000.00
TF-80 Frame & Cover	17	\$ 1,275.00	\$ 21,675.00
Tie-in to Existing Manhole	1	\$ 6,400.00	\$ 6,400.00
Tie-in to New Manhole	2	\$ 2,500.00	\$ 5,000.00
CCTV inspection	1	\$ 30,000.00	\$ 30,000.00
300 mm Culvert CSP	10	\$ 350.00	\$ 3,500.00
375 mm Culvert CSP	35	\$ 425.00	\$ 14,875.00
450 mm Culvert CSP	20	\$ 495.00	\$ 9,900.00
525 mm Culvert CSP	20	\$ 565.00	\$ 11,300.00
600 mm Culvert CSP	10	\$ 650.00	\$ 6,500.00

vs. Actuals

Phase 1 of Trunk Line East - 126.5 m of the total 1825 m completed in 2021 by 1998372 Alberta Ltd. (Elite Site Services).

Open-cut	Qty	Cost	Total
Trenching & Compaction @ 0-4 m depth	126.5	\$ 1,880.00	\$ 237,820.00
375 mm Pipe Bedding	8	\$ 100.00	\$ 800.00
675 mm Pipe Bedding	58.4	\$ 160.00	\$ 9,344.00
750 mm Pipe Bedding	60.1	\$ 175.00	\$ 10,517.50
375 mm Concrete	8	\$ 110.00	\$ 880.00
675 mm Concrete	58.4	\$ 290.00	\$ 16,936.00
750 mm Concrete	60.1	\$ 310.00	\$ 18,631.00
75 mm Thick Pipe Insulation	103.2	\$ 125.00	\$ 12,900.00
Tie-in to Existing Sewer Main	1	\$ 2,500.00	\$ 2,500.00
Manhole Removal	2.4	\$ 100.00	\$ 240.00
1500 mm Manhole	7.9	\$ 3,500.00	\$ 27,650.00
TF-80 Frame & Cover	3	\$ 1,200.00	\$ 3,600.00
Tie-in to Existing Manhole	1	\$ 3,300.00	\$ 3,300.00
Mobilization	1	\$ 5,525.00	\$ 5,525.00
			Cont....



Estimates

Road Repair	Qty	Cost	Total
Over-excavation - Granular Fill	200	\$ 130.00	\$ 26,000.00
Over-excavation - Clay	200	\$ 80.00	\$ 16,000.00
Topsoil	250	\$ 20.00	\$ 5,000.00
Seed	250	\$ 10.00	\$ 2,500.00
20 mm Granular Base Course (Trail Repair)	350	\$ 185.00	\$ 64,750.00
		\$	-
		Construction Estimate	\$ 4,463,025.00
		Engineering & Contingency Estimate	\$ 937,236.00
		Project Estimate Totals	\$ 5,400,261.00

NOTES:

Costs are based on the BAR Engineering Estimate Costs - September 2021

vs. Actuals

Road Repair	Qty	Cost	Total
Over-excavation - Granular Fill	20	\$ 140.00	\$ 2,800.00
		\$	-
		Construction Totals To Date	\$ 353,443.50
		Engineering & Contingency Totals To Date	\$ 174,767.88
		Project Actual Totals To Date	\$ 528,211.38

Engineering costs from 2007 - 2020 are shared between Sewer Facilities Project 1 and Project 2.

Costs post-date 2021 are for Project 2 only

The 2019 engineering and construction costs in GL 2-66-100-15 are part of the STP and are included in Project 5 actual costs. The work was from the STP to the roadway only.



Project 3 – College Trunk Line

Description:

Install 400 m of 300 mm of PVC pipe

Status:

Active

Estimated Cost of Work:

2013 Street Improvement Program (Border Paving) and 2014 Gateway Area Development – Phase I (BEL Contracting)	\$176,730
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Actual Cost of Work:

TBD	\$ -
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Special Grants & Contributions:

Special Grants	\$ -
Developer Agreement Contributions	\$ -
Other Contributions	\$ -

Benefiting Parties:

Town of Vermilion	50%	\$88,365
Other Stakeholders		\$ -
Off-Site Levies	50%	\$88,365



Notes:

Costs used are the least of the two between open-cut or directional drilling.



PROJECT 3 - COLLEGE TRUNK LINE

Estimates

vs. Actuals

Install 400 m of 300 mm PVC pipe via Directional Drilling, 15 m² of Asphalt repair at hot tap opening

Directional Drilling	Qty	Cost	Total
Horizontal Drilling (See Water)	400	\$ 200.00	\$ 80,000.00
300 mm PVC Pipe SDR35	400	\$ 65.00	\$ 26,000.00
1200 mm Manhole	8	\$ 2,500.00	\$ 20,000.00
Tie in existing Sanitary Main	2	\$ 5,000.00	\$ 10,000.00
CCTV Inspection	1	\$ 9,000.00	\$ 9,000.00
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ 145,000.00	\$ 145,000.00

Asphalt Repair	Qty	Cost	Total
Pavement Structure			
20mm Granular Base Course	15	\$ 28.75	\$ 431.25
Hot-mix Asphalt (Type S1) - 120mm Compacted Thickness	15	\$ 39.50	\$ 592.50
Prime Coat	15	\$ 1.50	\$ 22.50
Tack Coat	15	\$ 0.80	\$ 12.00
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ 1,058.25	\$ 1,058.25

Construction Estimate	\$ 146,058.25
Engineering & Contingency Estimate	\$ 30,672.00
Project Estimate Totals	\$ 176,730.25

NOTES:

Costs are based on the 2014 Gateway - Phase I Underground Improvements Program (BEL Contracting) and the 2013 Street Improvement Program (Border Paving).

Directional Drilling	Qty	Cost	Total
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -

Asphalt Repair	Qty	Cost	Total
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -

Construction Totals	\$ -
Engineering & Contingency Totals	\$ -
Project Actual Totals	\$ -

NOTES:



Project 4 - South Commercial – West Extension

Description:

Install 191 m of 300 mm of PVC pipe

Status:

Active

Estimated Cost of Work:

2013 Street Improvement Program (Border Paving) and 2014 Gateway Area Development – Phase I (BEL Contracting)	\$156,950
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Actual Cost of Work:

TBD	\$ -
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Special Grants & Contributions:

Special Grants	\$	-
Developer Agreement Contributions	\$	-
Other Contributions	\$	-

Benefiting Parties:

Town of Vermilion		\$	-
Other Stakeholders		\$	-
Off-Site Levies	100%	\$	156,950

Notes:

50% of the cost of Project 6 – South Commercial Extension Oversizing - will be charged to this project for the future development on the west side of Hwy 41.



PROJECT 4 - SOUTH COMMERCIAL - SEWER EXTENSION - WEST

Estimates

VS. Actuals

Install 191 m of 300 mm PVC pipe via open and cut installation and directional drilling. 574 m2 of Asphalt Repair.

50% Shared Cost of Project 6 - Sewer Oversizing	Qty	Cost	Total
		\$ -	-
		\$ -	-
		<u>\$ -</u>	<u>-</u>
Directional Drilling	Qty	Cost	Total
Horizontal Drilling (See Water)	45	\$ 200.00	\$ 9,000.00
300 mm PVC Pipe SDR35	45	\$ 65.00	\$ 2,925.00
		<u>\$ 11,925.00</u>	<u></u>
Open-cut	Qty	Cost	Total
Trenching 5.0-6.0 m deep	146	\$ 265.00	\$ 38,690.00
Pipe Bedding for 300 mm pipe	146	\$ 35.00	\$ 5,110.00
300 mm PVC Pipe SDR35	146	\$ 65.00	\$ 9,490.00
1200 mm Manhole	4	\$ 2,500.00	\$ 10,000.00
Tie in existing Sanitary Main	1	\$ 5,000.00	\$ 5,000.00
CCTV Inspection	1	\$ 9,000.00	\$ 9,000.00
		<u>\$ 77,290.00</u>	<u></u>
Asphalt Repair	Qty	Cost	Total
Pavement Structure			
20mm Granular Base Course	574	\$ 28.75	\$ 16,502.50
Hot-mix Asphalt (Type S1) - 120mm Compacted Thickness	574	\$ 39.50	\$ 22,673.00
Prime Coat	574	\$ 1.50	\$ 861.00
Tack Coat	574	\$ 0.80	\$ 459.20
		\$ -	-
		<u>\$ 40,495.70</u>	<u></u>
		<u>\$ 129,710.70</u>	<u></u>
Engineering & Contingency Estimate		\$ 27,239.00	
Project Estimate Totals		<u>\$ 156,949.70</u>	<u></u>

50% Shared Cost of Project 6 - Sewer Oversizing	Qty	Cost	Total
Oversized Sewer Main on 52 Street Service Road	1	\$ 144,667.50	\$ 144,667.50
		\$ -	-
		<u>\$ 144,667.50</u>	<u></u>
Directional Drilling	Qty	Cost	Total
		\$ -	-
		\$ -	-
		<u>\$ -</u>	<u></u>
Open-cut	Qty	Cost	Total
		\$ -	-
		\$ -	-
		\$ -	-
		\$ -	-
		\$ -	-
		\$ -	-
		<u>\$ -</u>	<u></u>
Asphalt Repair	Qty	Cost	Total
		\$ -	-
		\$ -	-
		\$ -	-
		\$ -	-
		\$ -	-
		\$ -	-
		<u>\$ -</u>	<u></u>
		<u>\$ 144,667.50</u>	<u></u>
Engineering & Contingency Totals		\$ -	
Project Actual Totals		<u>\$ 144,667.50</u>	<u></u>



PROJECT 4 - SOUTH COMMERCIAL - SEWER EXTENSION - WEST

NOTES:

Costs are based on the 2014 Gateway - Phase I Underground Improvements Program (BEL Contracting) and the 2013 Street Improvement Program (Border Paving).

NOTES:

The oversizing of the sewer main on 52 Street Service Road was completed in 2013 for a total of \$289,335.00. 50% of the cost is to be charged to this project for the future development on the west side of Hwy 41. (Engineering already included in total cost)

There is \$288,417 in sewer reserve to pay for this project. \$15,416.76 of which was paid by from the land sold in 2014 in the Junction 16/41 Commercial Subdivision. See allowance account # 3-00-278-00.



Project 5 - Sewer Treatment Plant Upgrade

Description:

Facility Upgrade – Membrane Biological Reactor (MBR)

Status:

Active

Estimated Cost of Work:

2018 Wastewater Treatment Plant Upgrade Contract (Sure-Form Contracting Ltd.)	\$21,008,167
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Actual Cost of Work:

2021 PP#33 (Sure-Form Contracting Ltd.)	\$20,130,754
Debenture Interest	\$1,776,580
	\$21,907,334

Special Grants & Contributions:

Special Grants	\$11,126,266
Developer Agreement Contributions	\$ -
Other Contributions	\$ -

Benefiting Parties:

Town of Vermilion	55.333%	\$ 5,965,488
Other Stakeholders	17.627%	\$ 1,900,379
Off-Site Levies	27.040%	\$ 2,915,201



Notes:

Costs include preliminary studies from 2012.



PROJECT 5 - SEWER TREATMENT PLANT UPGRADE

Estimates

New Sewer Treatment Plant - Membrane Biological Reactor (MBR). No lagoon needed - direct outfall of treated wastewater in to the Vermilion River.

Facility Upgrade	Qty	Cost	Total
Schedule A - Wastewater Treatment Facility	1	\$ 15,828,650.55	\$ 15,828,650.55
Schedule B - Gravity Sewer Trunk Connecting Section	1	\$ 239,679.80	\$ 239,679.80
Prime Cost Allowance:			
Control System Setup and Programming	1	\$ 200,000.00	\$ 200,000.00
Commissioning	1	\$ 100,000.00	\$ 100,000.00
ARC Flash & Coordination Study	1	\$ 20,000.00	\$ 20,000.00
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
Construction Estimate		\$ 16,388,330.35	
Contingency Estimate		\$ 820,000.00	
Engineering Estimate		\$ 1,677,812.21	
Equipment Deposits		\$ 345,445.00	
Project Estimate Totals		\$ 19,231,587.56	

NOTES:

Costs are based on the 2018 Sure-Form Contract. The Engineering is 5% of the Contract total and rounded up to \$820,000.

VS. Actuals

Sure-Form Contracting - PP33

Facility Upgrade	Qty	Cost	Total
Sure-Form Contracting Ltd. Costs			
Schedule A - Wastewater Treatment Facility		\$ 15,828,650.55	
Schedule A - Contract Additions		\$ 1,608,773.39	
Schedule A - Contract Deficiencies		-\$ 55,000.00	
Schedule B - Gravity Sewer Trunk Connecting Section		\$ 239,679.80	
Schedule B - Contract Additions		\$ 49,638.76	
Prime Cost Allowance:			
Control System Setup and Programming		\$ 199,994.34	
Commissioning		\$ 99,995.22	
ARC Flash & Coordination Study		\$ 20,000.00	
Other Contractors Costs		\$ 318,070.64	
		\$ -	
Construction Totals		\$ 18,309,802.70	
Engineering Totals		\$ 1,772,680.93	
Equipment Deposits		\$ 48,270.00	
Project Actual Totals		\$ 20,130,753.63	

NOTES:

Engineering costs include a study by MPE Engineering & Mainstream Aquatics and Project Management by MPE Engineering for a cost to date of \$1,772,680.93. There are MPE Engineering costs from April 2020 to current date that will have to be added into the OSL Model after the lawsuit. There are engineering costs in the offsite levy model that are not eligible for grant funding as it was accumulated before the grant was approved.

Schedule B - Gravity Sewer Trunk - This cost is for the connecting section between the STP and the trunk main. This connecting section benefits all areas of the Town and is therefore included in the cost of the STP.

Construction costs are based on the STP - PPC #33 Sure-Form Contracting Invoice

Travel & Substance costs have not been included in the project summary costs for the project.

Project started in 2019



Project 6 – South Commercial - Extension Oversizing

Description:

Extending sewer main from 47 Ave to Junction Sixteen/Hwy 41
Commercial Subdivision

Status:

Completed

Estimated Cost of Work:

2011 Water Main Improvement Program (Grayson)	\$289,334
2012 Street Improvement Program (Allied)	

Actual Cost of Work:

TBD	\$ -
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Special Grants & Contributions:

Special Grants	\$ -
Developer Agreement Contributions	\$144,668

Benefiting Parties:

Town of Vermilion		\$ -
Other Stakeholders		\$ -
Off-Site Levies	100%	\$144,668

Notes:

Project 6 – South Commercial Extension Oversizing - The oversizing of the sewer main on 52 Street Service Road was completed in 2013 for a total of \$289,335.00. 50% of the cost is to be charged to project 4 for the future development on the west side of Hwy 41. (Engineering already included in total cost)



PROJECT 6 – SOUTH COMMERCIAL EXTENSION OVERSIZING

Estimates

VS. Actuals

Road Repair	Qty	Cost	Total	Road Repair	Qty	Cost	Total
				Removals			
				Asphalt	84	\$ 10.43	\$ 876.12
				Butt Joint Milling @ FAC 40mm Depth, 1.5m - 3.0m Width	40	\$ 33.66	\$ 1,346.40
				Gutter Mill @ FAC 40mm Depth, 1.5m Width	376.5	\$ 7.50	\$ 2,823.75
				Earthworks			
				Common Excavation - Dispose	171	\$ 12.79	\$ 2,187.09
				Over-Excavation (Provisional Item)	227.4	\$ 12.79	\$ 2,908.45
				Sub-grade Preparation (150mm Depth) Granular Base Course	1711.5	\$ 5.12	\$ 8,762.88
				Geogrid - Tensar BX1200 (Provisional Item)	379	\$ 1.95	\$ 739.05
				Borrow Material - Crushed Concrete (Provisional Item)	227.4	\$ 28.42	\$ 6,462.71
				Concrete - Supply & Install			
				1.0m Concrete Swale	39.2	\$ 285.60	\$ 11,195.52
				Pavement Structure			
				20mm Granular Base Course	277.1	\$ 82.05	\$ 22,736.06
				Prime Coat	1707	\$ 1.00	\$ 1,707.00
				Tack Coat @ FAC	1707	\$ 1.00	\$ 1,707.00
				Hot-mix Asphalt - First Lift (Type S1) 60mm Compacted	1707	\$ 21.22	\$ 36,222.54
				Hot-mix Asphalt - Second Lift (Type S1) 40mm Compacted	1712.9	\$ 15.61	\$ 26,738.37
				Miscellaneous			
				Manhole Adjustments	4	\$ 350.00	\$ 1,400.00
				Manhole Adjustments @ FAC	4	\$ 350.00	\$ 1,400.00
				Valve Adjustments	1	\$ 250.00	\$ 250.00
				Valve Adjustments @ FAC	1	\$ 250.00	\$ 250.00
				Force Account - Manhole Grouting	1	\$ 561.00	\$ 561.00
						\$	\$ 130,273.93
				ACP Deficiency Holdback		-\$	9,796.09
						\$	\$ 120,477.84
						\$	\$ 14,357.03
						\$	\$ 134,834.87
						\$	\$ 289,334.38
				Less 50% Shared by Project 4 - South Commercial - West Extension		-\$	144,667.50
						\$	\$ 144,666.88
						\$	\$ 144,666.88



PROJECT 6 – SOUTH COMMERCIAL EXTENSION OVERSIZING

NOTES:

NOTES:

Costs are based on the 2011 Water Main Improvement Program (Grayson Excavating) and the 2012 Street Improvement Program (Allied Paving) 52 Street (Rutherford Street) from 45 Avenue to 46 Avenue only.

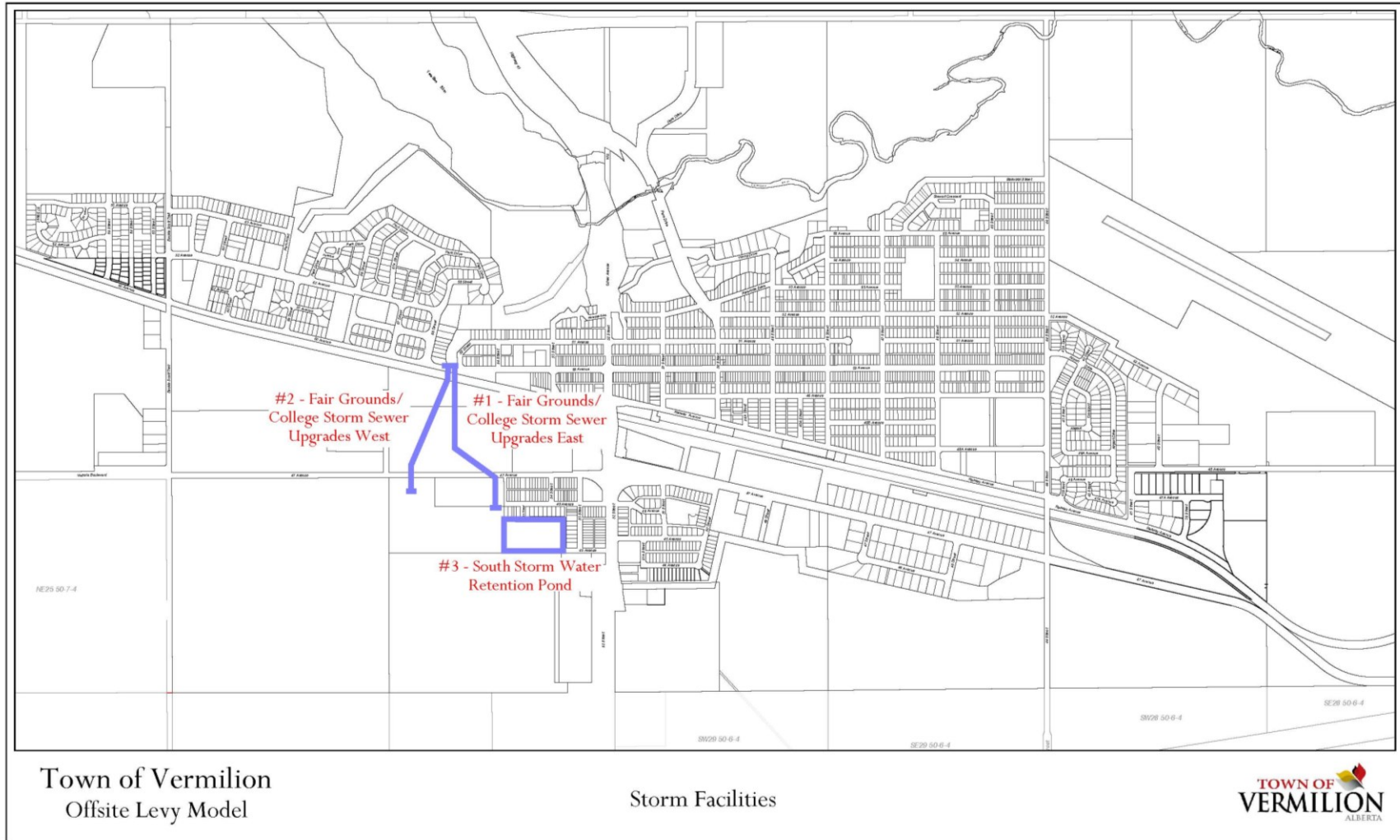
Measurements are based on the 2011 South Commercial Sanitary Sewer Main Extension - As Built Drawing #11-2008 REV0).

Project was completed in 2013.

The oversizing of the sewer main on 52 Street Service Road was completed in 2013 for a total of \$289,335.00. 50% of the costs was shared with Project 4 - South Commercial - West Extension.



STORM FACILITIES



Project 1 - Fair Grounds/College Upgrades – East

Description:

Install 605 m of 1,200 mm of PVC pipe

Status:

Removed



Notes:

This project was cancelled and removed from the off-site levy model in 2014.

Project 2 – Fair Grounds/College Upgrades – West

Description:

Install 485 m of 1,200 mm of PVC pipe

Status:

Removed



Notes:

This project was cancelled and removed from the off-site levy model in 2014.



Project 3 – South Retention Pond

Description:

Install a 16,650m³ (0.91ha) retention pond

Status:

Active

Estimated Cost of Work:

1988 South Drainage Systems Report (Associated Engineering) and CHMC Website Recommendation	\$503,663
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Actual Cost of Work:

TBD	\$ -
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Special Grants & Contributions:

Special Grants	\$ -
Developer Agreement Contributions	\$ -
Other Contributions	\$ -

Benefiting Parties:

Town of Vermilion		\$ -
Other Stakeholders		\$ -
Off-Site Levies	100%	\$503,663

Notes:

Expansion is due to development and therefore the costs will be 100% to off-site levies.



STAGING

The following table illustrates the expected development during the 25 year off-site levy period. The development amount placed in each year is used to calculate anticipated future off-site levies.

Area	Development Location	Land Use	Total Development	Developed to Date	Developed in Next 25 years	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046			
1.0	Brennan North & South	Residential	22.31	-	22.31			0.41	0.69	0.58	0.83	0.41	0.84	0.79	0.84	0.84	0.84	0.84	0.58	0.58	0.58	0.84	0.84	2.32	0.80	0.80	2.60	3.48	0.98				
2.0	Vermilion Provincial Park	Residential	-	-	-																												
3.0	North River Hill	Residential	1.42	-	1.42										1.42																		
4.0	NE 32-50-6-W4 (River Basin)	Residential	0.10	-	0.10																									0.10			
5.0	NW 33-50-6-W4 (River & STP Lagoon)	Residential	0.10	-	0.10																									0.10			
6.0	NE 33-50-6-W4 (River and Farmland)	Residential	0.10	-	0.10																									0.10			
7.0	SE 33-50-6-W4 (Airstrip & Farmland)	Industrial	9.25	0.77	8.48	0.33	0.35	0.45	0.35	0.30					6.70																		
8.2	Airport Subdivision (north)	Residential	-	-	-																												
9.1	NE & SE 32-50-6-W4	Residential	0.12	0.05	0.07					0.07																							
9.2	SE 32-50-6-W4	Commercial	0.31	-	0.31							0.18					0.13																
10.1	SW 32-50-6-W4 Downtown	Residential	0.83	-	0.83															0.83													
10.2	SW 32-50-6-W4 Downtown	Commercial	0.64	0.51	0.13							0.13																					
11.1	West Side - Hwy 41 to Beck Scott Trail	Residential	3.13	1.06	2.07					1.17		0.75			0.15																		
11.2	West of Hwy 41	Commercial	0.09	-	0.09									0.09																			
12.0	SE 36-50-6-W4	Residential	1.44	-	1.44																					0.31				1.13			
13.0	SW 31-50-6-W4 (Fire etc & VRC)	Residential	10.43	-	10.43																	10.43											
14.1	SE 31-50-6-W4 (Fairgrounds, Stadium, etc)	Residential	-	-	-																												
15.1	East Hwy 41 Highway Commercial	Commercial	4.45	3.23	1.22											0.98					0.24												
15.2	Junction Sixteen/41	Commercial	30.29	6.78	23.51	0.52	1.06	0.69	0.43	2.36											18.45												
15.3	South Side Residential	Residential	0.25	-	0.25			0.25																									
16.0	NE 29-50-6-W4	Industrial	0.85	-	0.85											0.39				0.46													
17.2	Garnet Industrial (Plan 802 0728)	Industrial	1.32	0.81	0.51				0.51																								
18.0	NE 28-50-6-W (north)	Industrial	4.19	-	4.19														4.19														
19.0	NE 28-50-6-W4 (south)	Industrial	12.24	-	12.24																					12.24							
20.0	NW 28-50-6-W4	Industrial	23.99	-	23.99																			23.99									
21.0	Yellowhead Business Park	Industrial	17.36	0.64	16.72	4.83	2.46	1.82	1.45	0.94	1.70		1.05	2.47																			
22.1	NE 30-50-6-W4 (LLC)	Residential	19.45	-	19.45																	19.45											
22.2	College Drive Commercial	Commercial	0.18	-	0.18												0.18																
22.3	West 41 Highway Commercial	Commercial	7.29	-	7.29								3.22			4.07																	
23.0	NW 30-50-6-W4	Residential	16.74	-	16.74															16.74													
24.0	NE 30-50-6-W4 (Pilkieville)	Residential	1.18	-	1.18				0.92		0.08	0.18																					
						190.05	13.85	176.20	5.68	3.87	3.62	4.35	5.42	2.61	1.65	5.11	3.35	9.11	6.28	1.15	0.84	4.77	18.61	19.27	11.27	20.29	26.31	13.04	1.11	2.60	3.48	0.98	1.43



UPDATES

Off-site levy rates (and all development charges for that matter) are not intended to stay static; they are based upon assumptions and the best available data of the day. Planning assumptions, cost estimates etc. change each year. This is why the Municipal Government Act requires that off-site levy rates be updated with the most available information on a regular basis (usually less than two years). Should information change, it will be reflected in a future update, and rates adjusted accordingly.

RATES

Total Cost Per Acre

Area Ref. #	2019	2020	2022
1.0	\$19,585	\$19,817	\$21,814
3.0	\$3,114	\$3,500	\$3,675
7.0	\$8,386	\$9,899	\$10,883
15.1	\$15,830	\$16,420	\$20,171
19.0	\$4,562	\$4,926	\$5,127
20.0	\$13,453	\$14,881	\$17,014
21.0	\$16,444	\$17,439	\$19,619
22.1	\$15,609	\$16,219	\$19,950
22.3	\$24,434	\$24,533	\$28,431
23.0	\$12,203	\$13,164	\$16,841

This comparison table highlights the range of off-site levies that can be collected for different areas based on population, location and time frame.



UPDATE HISTORY

Update	Date	Summary of Changes
Off-Site Levy Framework Policy	September 24, 2012	Policy - Approved by Council
Bylaw 9-2012	November 6, 2012	2012 Rates - Approved by Council
Off-site Levy Report	June 13, 2014	2014 Report - Approved by Management
Bylaw 10-2014	June 17, 2014	2014 Rates - Approved by Council as an amendment to Bylaw 9-2012.
Off-Site Levy Framework Policy	December 16, 2014	Policy Revision: Section 1.2 (l) Town Exemptions – Un-serviced Developments/Properties – Approved by Council
OSL Model	July 14, 2015	OSL Model Revision: The gross area was increased by 2.60 ha. due to calculation errors found gross area on the previous OSL Model.
OSL Model	July 14, 2015	OSL Model Revision: The Benefiting Parties Allocation was changed to reflect the 2012 Census population count.
Off-site Levy Report	July 14, 2015	2015 Report - Approved by Management
Bylaw 11-2015	July 21, 2015	2015 Rates - Approved by Council as an amendment to Bylaw 10-2014
Off-site Levy Report	April 11, 2017	Report Revision: The facility project costs were reviewed and updated. - Approved by Management
Off-site Levy Report	April 11, 2017	2017 Report - Approved by Management
Bylaw 4-2017	April 18, 2017	2017 Rates - Approved by Council as an amendment to Bylaw 11-2015 Updated definition of Reports – Approved by Council as amendment to Bylaw 9-2012
Off-site Levy Report	May 16, 2017	Report Revision: The water facility project costs for the ACE Regional Water System were updated to reflect the lower cost estimates for Phase IV and V. - Approved by Management
Off-Site Levy Framework Policy	June 20, 2017	Policy Revision: Section 1.2 (d) Town Exemptions – Ancillary Improvements - Approved by Council Policy Revision: Section 1.2 (h) Town Exemptions – Enlargement of Existing Non-Residential Buildings - Approved by Council
Bylaw 7-2017	July 11, 2017	2017 Rates Updated - Approved by Council. Bylaws 9-2012, 10-2014, 11-2014, 11-2015, and 4-2017 rescinded.
Off-site Levy Report	March 16, 2018	Report Revision: The sewer treatment facility project costs were updated to reflect the approved grant funding for the project - Approved by Management
Off-site Levy Report	May 27, 2018	Report Revision: The water facility project costs for the ACE Regional Water System Phase VI to IX were added to the model. - Approved by Management
Bylaw 7-2017	April 3, 2018	Schedule A - 2018 Rates - Approved by Council.
Off-site Levy Report	March 19, 2019	Report Revision: The sewer facility project costs for the STP were updated in the model – Approved by Management.
Bylaw 4-2019	June 18, 2019	2019 Rates - Approved by Council. Bylaw 7-2017 rescinded.
Off-site Levy Report	April 9, 2020	Report Revision: Airport area redesigned to match 2019 Airport Master Plan concept drawing, removed areas 8.1, 14.2, 17.1, 25.1, and 25.2 and consolidated data into adjacent areas, added debenture interest to STP project costs, and updated all project costs to reflect estimate costs only until project is complete. – Approved by Management.
Bylaw 3-2020	June 2, 2020	2020 Rates - Approved by Council. Bylaw 4-2019 rescinded.
Off-site Levy Review	October 4, 2021	OSL rates were reviewed in 2021 and no updates were applied in 2021. – Approved by Management.
Off-site Levy Report	April 11, 2022	Report Revision: Transportation, Water, and Sewer Facility Project costs were updated in the model. - Approved by Management
Off-site Levy Report	May 18, 2022	Report Approved by Planning & Development Committee
Bylaw 5-2022	June 21, 2022	By-law 5-2022 – 1 st reading approved by Council.



APPENDIX

FRAMEWORK POLICY





COUNCIL POLICY



Prepared By: Allan Wilson

Effective Date: June 21, 2017

Policy Name: Off-Site Levy Framework Policy

Policy Number: 17/06/119 & 17/06/120

Council Approval Date: June 20, 2017

Council Resolution No.: 17/06/119 & 17/06/120

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INTRODUCTION

Charges on land development and how they are levied will affect not only land and housing prices (and hence housing affordability), but also the demand for developed land, urban growth rates and development patterns, and ultimately, the viability of the development industry and general health of Town of Vermilion’s economy. The Town is adopting levies to pay for all or part of the infrastructure required in respect of lands to be subdivided or developed (i.e. roads, water, sanitary sewer, and storm water). This document outlines the policies and procedures that Town of Vermilion will adopt to help guide when to assess levies to developers, when levy amounts are payable (deferrals), when and how front-end infrastructure construction will be assigned to developers, when and how developer front-end construction will be reimbursed.

This document is laid out in chronological fashion outlining policies and procedures associated from initial assessment of off-site levies through to those involving construction of off-site infrastructure and the ultimate disbursement of levy funds. Each section within the report is laid out in a consistent fashion with the introduction of the scope of the section, an overview of the typical steps and flow of decisions that Town staff would follow, the fundamental principles that are used to support policy choices and then procedural workings and other information that will assist Town to administer and the applicant understand the policy statements.

DOCUMENT INFORMATION

REVISION HISTORY

Version Number	Revision Date	Summary of Changes and Author
1	August 8, 2012	DRAFT: created by CORVUS Business Advisors
2	September 24, 2012	FINAL: Reviewed and validated by Administration and Council
3	December 16, 2014	REVISION: Section 1.2(l) Town Exemptions – Un-serviced Developments/Properties
4	June 20, 2017	REVISION: Section 1.2(d) Town Exemptions – Ancillary Improvements REVISION: Section 1.2(h) Town Exemptions – Enlargement of Existing Non-Residential Buildings



GLOSSARY

At the outset, it is critical to have a common understanding of the terminology. The following terms and acronyms have been used throughout the document.

“Off-site Levy Exemption” is the condition that must be satisfied in order to have to an off-site levy assessment waived on a subdivision or development permit application.

“Off-site Levy Offset” is the front-end infrastructure costs incurred by the developer used to reduce the amount of off-site levy assessment payable by the developer.

“Off-site Levy Deferral Agreement” is an agreement between the developer and municipality that permits the developer to pay off-site levies on an installment basis.

“Off-site Levy Down Payment” is the amount of off-site levy that is immediately due upon the issuance of a subdivision or development permit.

“Off-site Levy Installment” is the amount of off-site levy assessment that is due annually.

“Qualified Off-site Infrastructure” is developer front-ended infrastructure that is outlined in the Off-site Levy Bylaw and contained within the “qualified” portion of the Capital Plan (usually the first 5 years).

“Non-Qualified Off-site Infrastructure” is developer front-ended infrastructure that is outlined in the Off-site Levy Bylaw and is contained within the “non-qualified” portion of the Capital Plan (usually beyond 5 years).

“Capital Plan” outlines off-site infrastructure approved for construction and outlined in the off-site levy bylaw. Note, items approved for construction do not necessarily mean that they are funded.

“Annual Financial Plan” outlines future anticipated disbursement / retention of off-site levy reserve funds. The plan considers front-ending claims, development infrastructure staging, off-site levy reserve balances, future off-site levy receipts, municipal debt capacity etc.

“Construction Completion Certificate” is issued by the municipality to signify that front-end off-site infrastructure has been constructed to standard.

“Final Acceptance Certificate” is issued at the completion of a warrantee period and when front-end infrastructure is free of defects and deficiencies. The Final Acceptance Certificate signals the release of hold back on front-ended construction repayment.

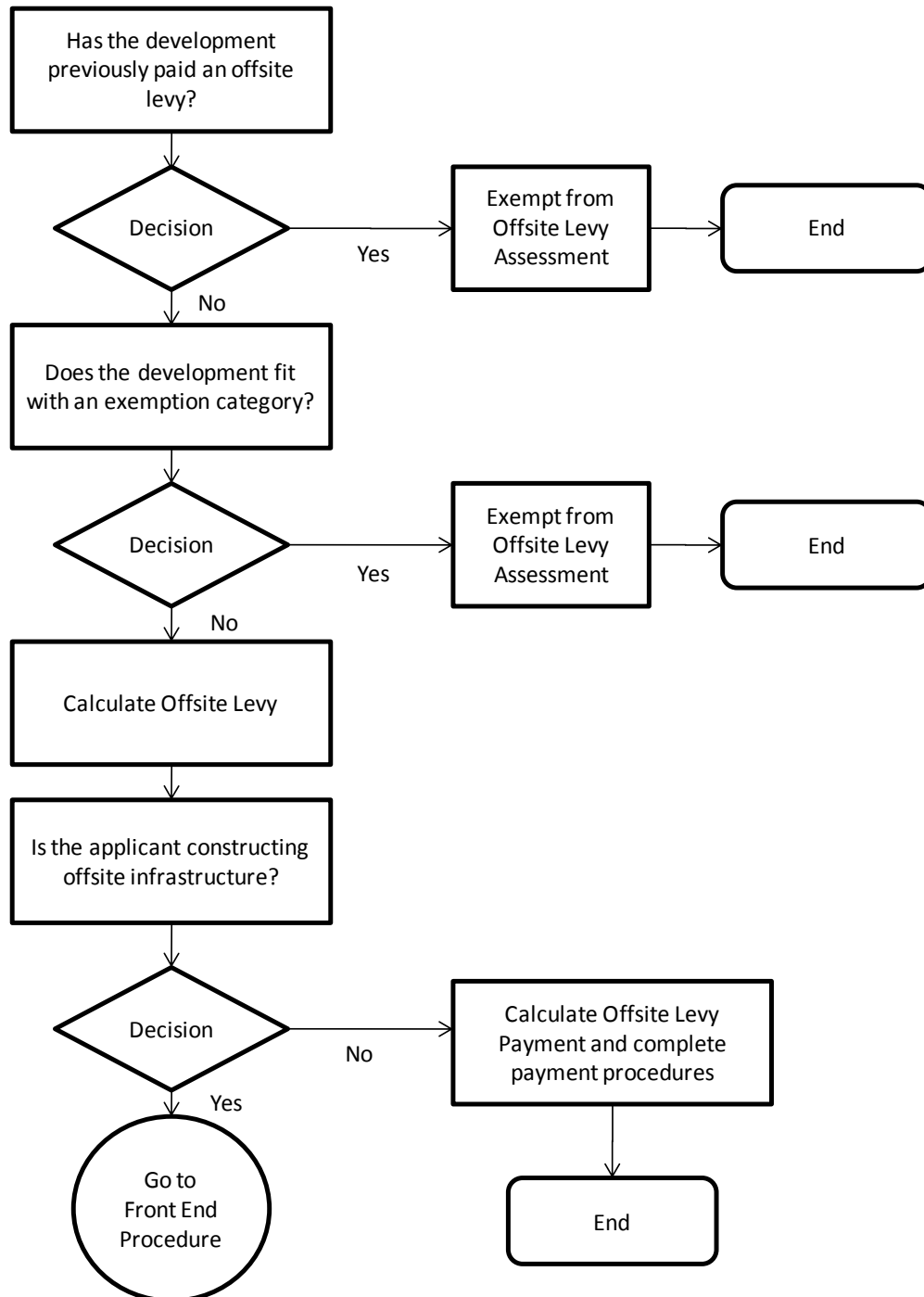
“Holdback” is the amount of funds held-back after issuance of the Construction Completion Certificate during the warranty period. Holdback may be released upon issue of the Final Acceptance Certificate.



ASSESSMENT/COLLECTION PROCESS OVERVIEW

The flow chart below outlines the various process steps and decisions that will be used to guide off-site levy assessment and collection.

Figure 1: Off-site Levy Assessment and Collection



LEVY ASSESSMENT, ASSESSMENT EXEMPTIONS AND THRESHOLDS

The obligation to pay off-site levies occurs in two steps: (1) the levy is “incurred” upon application for a subdivision agreement or development permit, and (2) the levy is paid upon issuance of the subdivision or development permit or may be deferred to a future time of payment. This section of the Policy and Procedure document focuses on the principles that will guide the Town in determining “when” the submission of an application for a subdivision agreement or development permit would result in a levy obligation being “incurred”.

1.1 LEGISLATED EXEMPTION

The first criteria to be considered in determining if an application for a subdivision agreement or development permit is eligible or exempt from incurring an off-site levy obligation is outlined in legislation. Town guiding policies are consistent with these legislative requirements.

Municipal Government Act, Section 648(4) states:

“An off-site levy imposed under this Part of the former Act may be collected once only in respect of land that is the subject of a development or subdivision.”

GUIDING PRINCIPLE

IF A PARCEL OF LAND WAS PREVIOUSLY DEVELOPED OR SUBDIVIDED, AND AN OFF-SITE LEVY WAS PAID IN ACCORDANCE WITH SECTION 648 OF THE MUNICIPAL GOVERNMENT ACT ON THAT ENTIRE PARCEL, THEN ANY NEW DEVELOPMENT OR SUBDIVISION IS EXEMPT FROM ANY FUTURE ASSESSMENT AND PAYMENT OF OFF-SITE LEVIES.

1.2 TOWN EXEMPTIONS

Except for exemption conditions outlined in legislation, off-site levies would apply to all “development” or “subdivision” situations within the Town of Vermilion off-site levy development area unless such development or subdivision is explicitly exempted.

According to Section 616 (b) of the Municipal Government Act “Development” means (i) an excavation or stockpile and the creation of either of them, (ii) a building or an addition to or replacement of a building and construction or placing of any of them on, in over or under land, (iii) a change of use of land or a building or an act done in relation to land or a building that results in or is likely to result in a change in the use of the land or building or (iv) a change in the intensity of use of land or a building or an act done in relation to land or a building that results in or is likely to result in a change in the intensity of use of the land or building.

According to Section 616 (ee) of the Municipal Government Act “Subdivision” means the division of a parcel of land by an instrument.



As such, all improvements on a site including: buildings, other structures, parking and loading areas, landscaping, paving or graveling areas, devoting areas to exterior display, etc. might be considered development. Further, the placement of any land instrument that divides land might be considered subdivision.

The broad application of these definitions to the assessment of off-site levies would result in obligations due where there may be no intent to develop or where the nature and size of the development would not warrant payment of an off-site levy. Whereas the intent of the off-site levy assessment is clearly to pay for the construction of off-site levy road, water, sanitary and storm management infrastructure that supports the development. Clearly then, a subdivision or a development application that does not place any or little burden on road, water, sanitary and/or storm management off-site infrastructure might be considered exempt from off-site levy assessment and payment obligation.

GUIDING PRINCIPLE

IF A DEVELOPMENT OR SUBDIVISION IS, IN THE OPINION OF THE TOWN, LIKELY NOT TO PLACE A BURDEN ON THE WATER, AND/OR SANITARY, AND/OR STORM WATER OFF-SITE INFRASTRUCTURE THEN THE DEVELOPMENT OR SUBDIVISION MAY, SUBJECT TO THE APPROVED POLICIES, BE CONSIDERED EXEMPT FROM OFF-SITE LEVY ASSESSMENT AND PAYMENT OBLIGATION. NOTWITHSTANDING THE FOREGOING, IN THE EVENT FURTHER DEVELOPMENT AND/OR SUBDIVISION REQUIRES INFRASTRUCTURE, OFF-SITE LEVY ASSESSMENTS AND PAYMENT OBLIGATIONS WILL BE CHARGED.

Town off-site levy **assessment exemptions** and **exemption thresholds** are as follows:

Exemption / Exemption Threshold	Rationale
<p>a) Temporary Development / Land Uses – Temporary land uses may be considered exempt so long as the use or structure proposed will not be used beyond 1 year.</p>	<p>If a use is truly temporary in nature the impact on off-site levy infrastructure will also be temporary and therefore complies with the guiding principle. The timeframe threshold ensures that a temporary use is not extended to permanent use.</p>
<p>b) Replacement of a Structure – Replacement of a structure with a new structure of the same size and use at the same site or lot when such replacement is substantially completed within 1 year of the demolition or destruction of the prior structure may be considered exempt.</p>	<p>This is intended to exempt residential rebuilding / commercial rebuilding in the event of a fire or similar catastrophic loss, etc. The replacement structure would not use off-site infrastructure to any greater extent than the previous structure. The threshold timeframe is intended to ensure that replacement of the structure occurs in a timely fashion.</p>



<p>c) Altering a Residential Structure – Altering residential structures up to creation of a 4-plex may be considered exempt.</p>	<p>This is intended to exempt the various forms of residential alterations that may be applied for ranging from a room addition through to creation of a 4-plex. Alterations beyond a 4-plex would be considered a development that would result in greater demand on off-site infrastructure and therefore not exempt from off-site levies.</p>
<p>d) Ancillary Improvements – includes but may not be limited to fences, walls, berms, signs, garages and sheds. These miscellaneous improvements may be considered exempt.</p>	<p>This is intended to exempt various residential, commercial and industrial development applications that would not create any additional burden on off-site infrastructure.</p>
<p>e) Division of Lands so that Further Subdivision Can Take Place – includes situations where lands are subdivided into blocks that in turn would require further subdivision of individual lots or blocks. A parcel greater than 16ha. (40ac.) may be considered exempt.</p>	<p>This allows large tracks of lands to be assembled and divided among developers. The minimum parcel size threshold is established to help guide application of this exemption.</p>
<p>f) Non-residential Farm Buildings – agricultural / farming structures may be considered as exempt. This would include bona fide farming operations encompassing barns, silos and other ancillary development for agricultural use.</p>	<p>Exempting non-residential farm buildings would permit existing farms to modernize without facing off-site levy assessments and payments.</p>
<p>g) Division of Agricultural Lands – includes situations where a farm is subdivided. Subdivision of land in blocks of 16 ha. (40ac.) or greater are considered exempt. An exemption is also permitted for the severance of a residential parcel of land from the agricultural lands for a residential site.</p>	<p>This would allow land owners to sell their farmland and create one residential site on the divided lands.</p>
<p>h) Enlargement of Existing Non-Residential Buildings – Non-Residential buildings may be enlarged to 50% (cumulatively) of the existing buildings floor size before off-site levies are assessed. Cumulative building enlargement in excess of 50% will result in the assessment of off-site levies.</p>	<p>The floor plate % threshold is easy to administer. A cumulative threshold has been created to ensure that multiple / staged building enlargements do not bypass the payment of off-site levies.</p>



<p>i) Intensified Land Development – Non-building site development use (processing / production facilities, storage etc.) can be increased by 25% (cumulatively) before off-site levies are assessed. Cumulative increased site use in excess of 25% use increase threshold will result in the assessment of off-site levies.</p>	<p>The site use % threshold is easy to administer. A cumulative threshold has been created to ensure that multiple / staged site developments do not bypass the payment of off-site levies.</p>
<p>j) Alteration of a Non-Residential Structure That Does Not Change the Use or Size of the Structure – This would permit any existing industrial or commercial structure to be modernized and be exempt from off-site levy assessment and payments provided that the improvement occurred within the existing floor plate size and the use of the structure did not change.</p>	<p>This would allow existing developments to make office renovations etc. within the existing development floor plate. However if a structures floor plate size were increased the exemption would be lost. Further, if an alteration changed the use of the structure then the exemption would also be lost.</p>
<p>k) Demolition or Removing of a Structure – This would permit any existing property to remove existing structures while remaining exempt from off-site levy assessments.</p>	<p>This would allow existing property owners to demolish older structures in readying the property for future development.</p>
<p>l) Un-serviced Developments/Properties – This is intended to exempt various types of developments/properties that are currently not connected to Town water/sewer services.</p>	<p>Should the land be further subdivided or developed, current offsite levies shall apply and will be a condition of the Development Agreement and/or Development Permit providing off site levies for water and sewer have never been paid on that property in the past.</p> <p>This exemption does not apply to Transportation and Storm off-site levies.</p>



LEVY ASSESSMENT DEFERMENT AND INSTALLMENT PAYMENTS

2.1 ELIGIBILITY FOR PAYMENT DEFERMENT

Off-site Levy payment deferment criterion does not consider the financial capacity of developers—all developers are considered to have equivalent financial capacity and an equal right to payment deferment. Off-site Levy payment deferment criterion is focused on the amount of off-site levy that is to be paid by the developer. Developments below the off-site levy deferment threshold amount are required to pay off-site levy amounts as a condition of subdivision or development permit approval. Developments above the deferment threshold amount may “elect” to defer off-site levy payment over a two-year period by entering into agreement (executing a Deferral Agreement) with the Town for off-site levy deferred payment.

GUIDING PRINCIPLE

A DEVELOPMENT OR SUBDIVISION THAT IS ASSESSED CUMULATIVE OFF-SITE LEVIES IN EXCESS OF \$400,000 MAY ELECT TO DEFER OFF-SITE LEVY PAYMENTS.

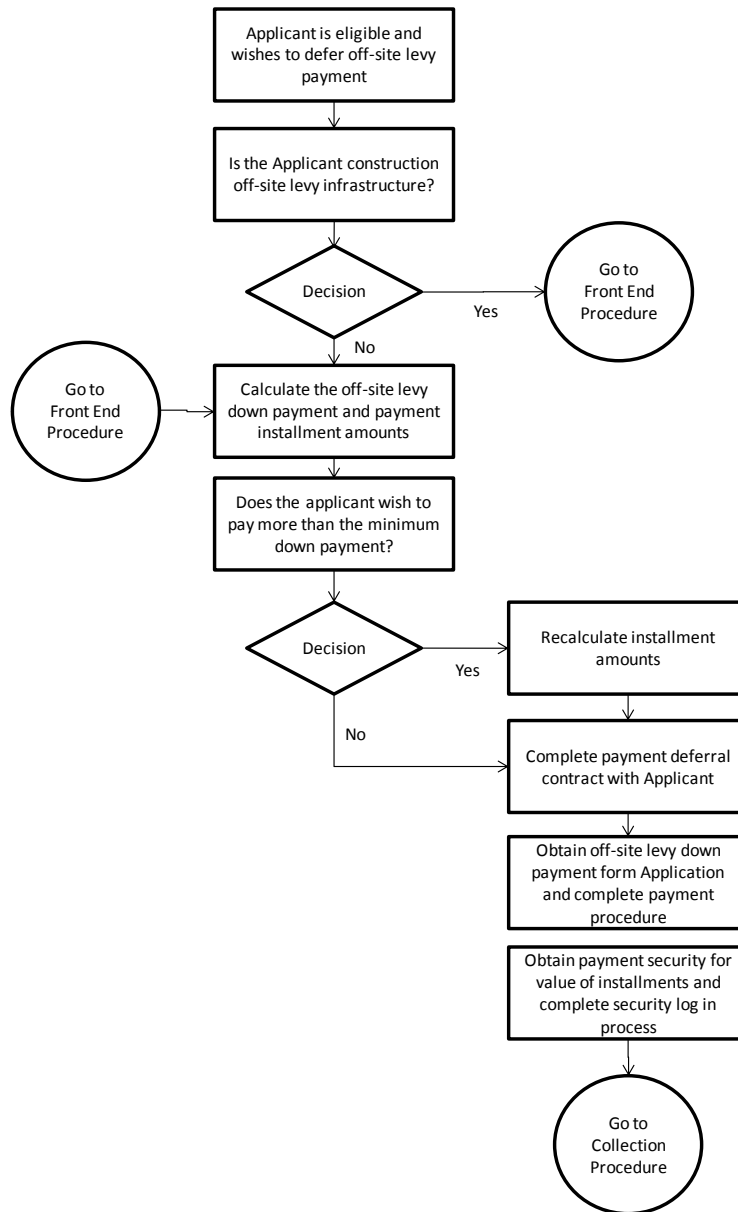
Off-site levy deferment includes:

Deferment Threshold	Rationale
a) Off-site Levy Deferment Threshold – The option to defer payment of levies would be extended to any subdivision or development application with off-site levies greater than \$400,000. The maximum deferment period is 2 years.	The dollar value threshold provides the developer with a clearly understood threshold for payment deferment. Off-site levies below the threshold are payable as a condition of approving a development or subdivision application.

The following flow chart outlines the payment deferment process:



Figure 2: Off-site Levy Deferment



2.2 REPAYMENT PERIOD AND TERMS

The repayment period is akin to the terms established in a credit agreement whereby the lender (the Town) determines the term of the agreement and the creditor (developer) must meet the terms of the agreement. The creditor has the ability to pay out amounts owing any time prior to the terms of the agreement.

GUIDING PRINCIPLE

DEVELOPERS THAT ARE ELIGIBLE AND ELECT TO DEFER OFF-SITE LEVY PAYMENTS MUST ENTER INTO AGREEMENT WITH THE TOWN (EXECUTE A DEFERRAL AGREEMENT). THE DEFERRAL AGREEMENT WITH THE TOWN OUTLINES THE TERMS AND CONDITIONS UPON WHICH OFF-SITE LEVY PAYMENTS WILL BE MADE. NON-QUALIFIED INFRASTRUCTURE IS NOT ELIGIBLE FOR DEFERRAL.

Off-site levy payment (installment) terms:

Installment Terms	Rationale
<p>a) Initial Off-site Levy Down Payment – A portion of the off-site levy assessment is payable as a condition of the subdivision or development permit being issued. The down payment must be 25% of the off-site levy assessment. The balance to be paid in installments.</p>	<p>The payment of a portion of the off-site levy ensures that some level of funding will immediately flow into the off-site levy reserves.</p>
<p>b) Installment Payments – The balance owing would be paid within a maximum period of 2 years as follows:</p> <ul style="list-style-type: none"> • 1st Year Anniversary Date - 50% of the balance owing will be paid. The balance owing is adjusted to reflect the approved off-site levy rates as at date of payment. • 2nd Year Anniversary Date - payment of the remaining balance. The balance owing will be adjusted to reflect the approved off-site levy rates as at the time of payment. 	<p>The payment installment period is intended to provide a cash flow outlet to the developer. Deferral however does not lock in the amount to be paid by the developer. A developer would be required to adjust amounts due to the Town as a result of any levy rate changes that occurred over the deferment period.</p>
<p>c) Early Repayment – Developers have the ability to pay off any off-site levy balances earlier than the repayment date terms.</p>	<p>This would accommodate situations where a developer wishes to pay out all levy obligations. Early payment may be desired to avoid off-site levy rate increase adjustments.</p>



2.3 REPAYMENT INDEMNIFICATION

Off-site levies are required to be paid as a condition of issuing a subdivision or development permit. However, if eligible, the applicant may elect to pay the off-site levy in installments as outlined earlier. In order to secure the position of the Town in the case of non-payment of an installment the applicant will provide the Town with indemnification that can be easily converted to cash by the Town in the case of payment default by the developer.

GUIDING PRINCIPLE

DEVELOPERS THAT ELECT TO DEFER OFF-SITE LEVY PAYMENTS MUST PROVIDE THE TOWN WITH INDEMNIFICATION IN THE EVENT OF PAYMENT DEFAULT. FAILURE OF THE DEVELOPER TO PAY AN OFF-SITE LEVY INSTALLMENT WILL RESULT IN THE INDEMNIFICATION HELD BY THE TOWN TO BE EXERCISED AND APPLIED AGAINST AMOUNTS OWED BY THE DEVELOPER.

Off-site levy indemnification:

Indemnification Terms	Rationale
a) Irrevocable Letter of Credit – An irrevocable letter of credit in the amount of the balance owing will be provided by the developer to the Town. As installments are provided to the Town a new letter of credit for the remaining balance owing will be provided. This balance may be adjusted as a result of any off-site levy rate changes that have occurred.	The irrevocable letter of credit provided through a bank or lending institution may be readily converted in the case of payment default.

2.4 INCREASING AMOUNTS DUE FOR ANY INCREASE IN OFF-SITE LEVY RATES

Off-site levy monies owed to the Town on deferred payment schemes will be adjusted by off-site levy rate changes that occur prior to payment of levies. Off-site levy assessments are in effect “floating” and subject to adjustment as rates change. Deferral applicants are liable for increases in levy rates that occur after they elect to defer payment to the date that payment is actually made. Should the developer elect to pay an installment or any amount owing prior to a scheduled installment date the off-site levy assessment will be determined based upon the off-site levy rates in effect at the time of payment.

GUIDING PRINCIPLE

DEVELOPERS THAT ELECT TO DEFER OFF-SITE LEVY PAYMENTS WILL BE ASSESSED THEIR OFF-SITE LEVY OBLIGATION BASED UPON THE OFF-SITE LEVY RATE IN EFFECT AT TIME OF PAYMENT.

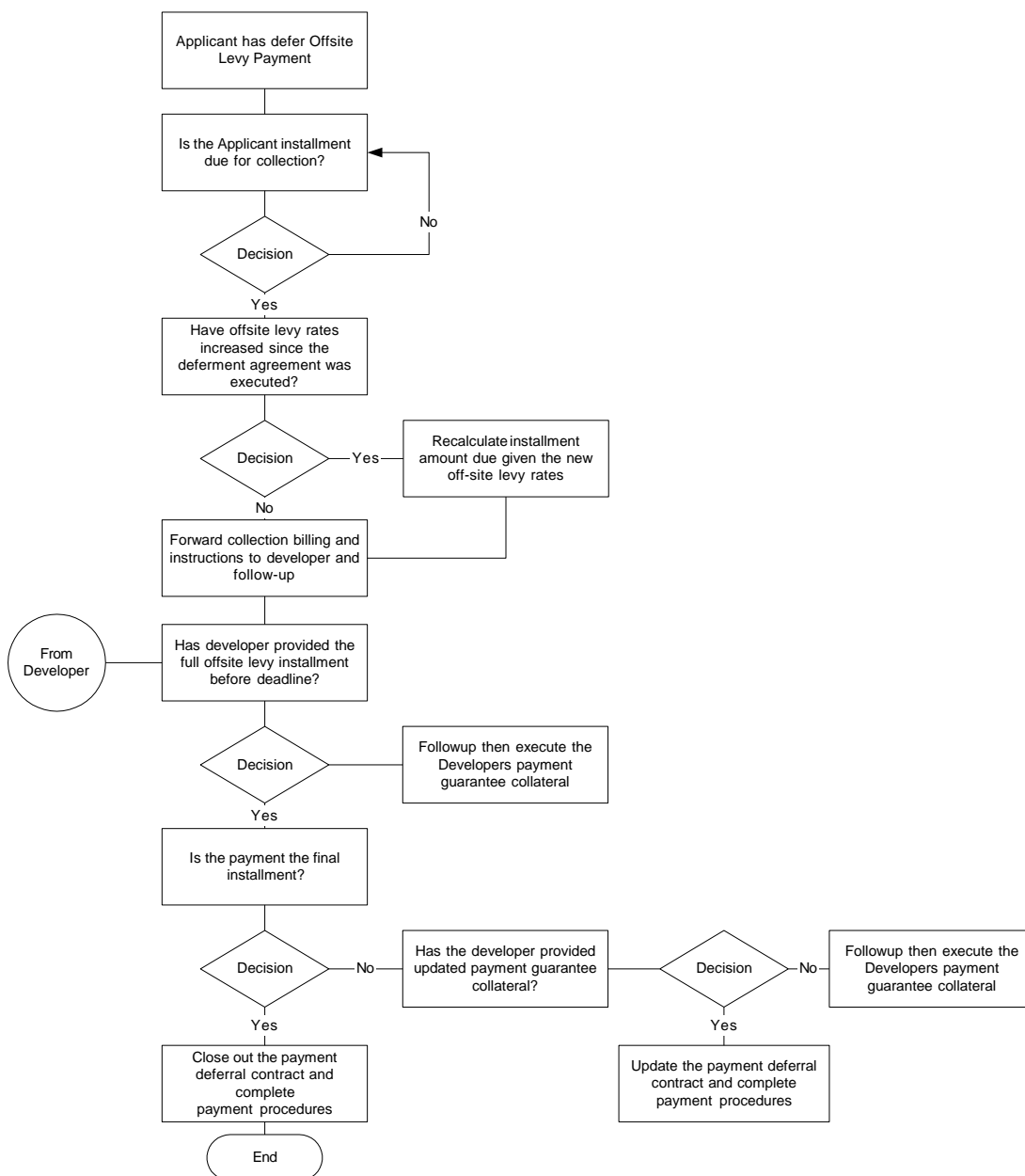


Calculation of off-site levy payments will be as follows:

Assessment Adjustment Terms	Rationale
<p>a) Assessment at Time of Payment – Off-site levy balances owing are “floating” and subject to adjustment for off-site levy rates in effect at the time of payment.</p>	Off-site infrastructure is subject to changes for cost changes, interest rate changes etc. These changes will be considered in off-site levy rate changes annually.

The following flow chart outlines the installment collection process.

Figure 3: Off-site Levy Collection

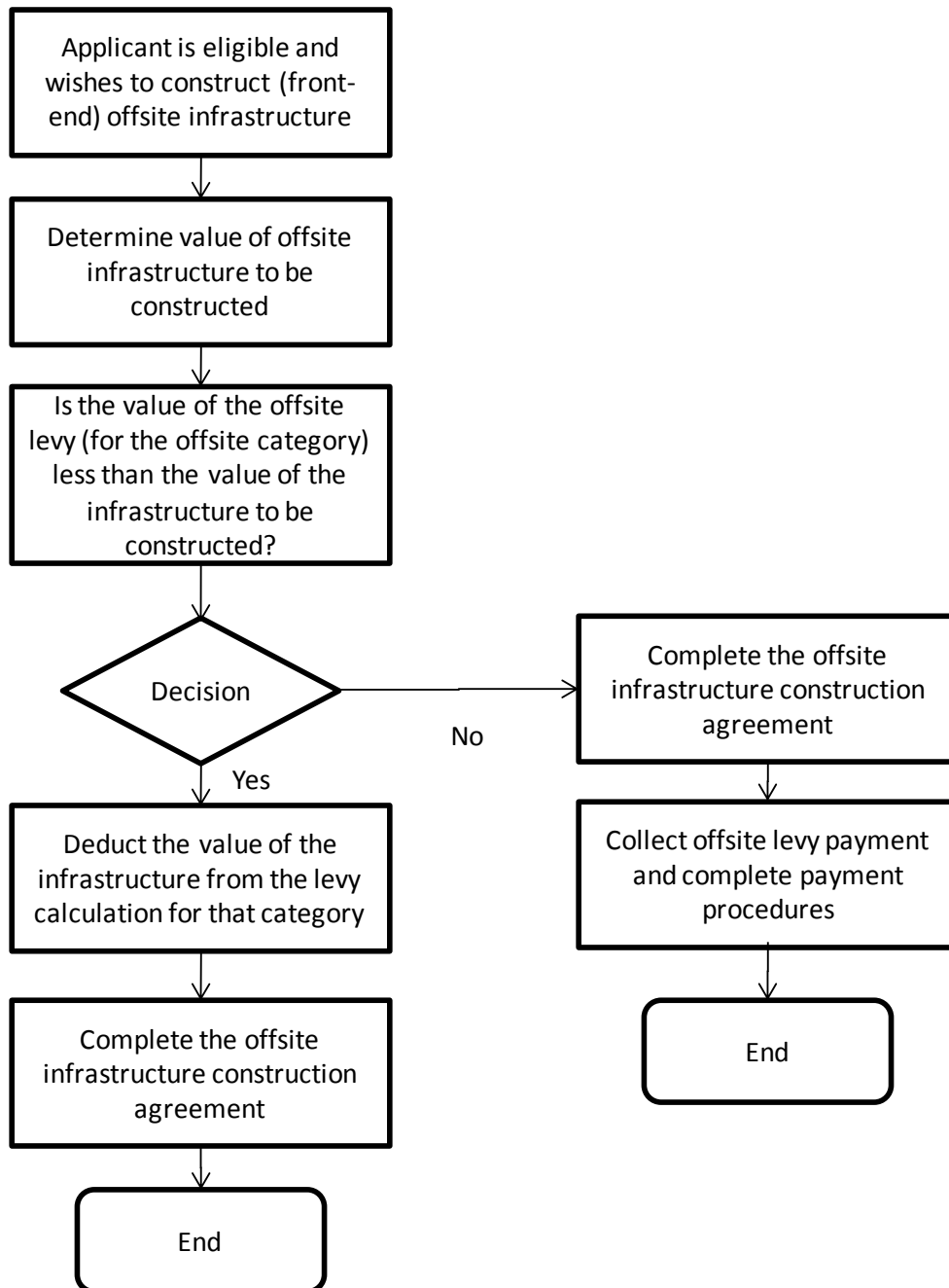


OFF-SITE LEVY INFRASTRUCTURE FRONT-ENDING

The timing of off-site infrastructure is such that all off-site levy funds will not be in place prior to construction. In order to attract developers to front end construction, incentives will include: offsetting levies due by the value of off-site levy infrastructure constructed by the developer and providing interest on front-ending balances owed to the developer.

The following flow chart outlines the infrastructure front-ending process:

Figure 4: Off-site Levy Front-Ending Process



3.1 CONSTRUCTION OF “QUALIFIED” AND “NON-QUALIFIED” OFF-SITE INFRASTRUCTURE

There may be instances where a developer will construct “qualified” off-site infrastructure to support their development. “Qualified” means that the Town has approved off-site infrastructure construction and entered into contract (Front-end Construction Agreement) with the developer. The agreement will outline the standards and specifications of the infrastructure to be constructed. The decision to approve the construction as “qualified” is based upon the off-site infrastructure being outlined within the Town’s Off-site Levy Bylaw and the infrastructure being required “by the Town” in the near term. This later condition is denoted by the project being reflected in the next 5 years of the Town’s Capital Plan.

There may be instances where a developer will construct off-site infrastructure to support their development however the Town may not require the infrastructure to be built in the near term (“non-qualified”). For example, a developer may wish to construct all four lanes of an arterial road when only two lanes are required. “Non-qualified” means that the Town has approved off-site infrastructure construction and entered into contract (Front-end Construction Agreement) with the developer. The agreement will outline the standards and specifications of the infrastructure to be constructed. The decision to approve the construction as “non-qualified” is based upon the off-site infrastructure being outlined within the Town’s Off-site Levy Bylaw but the infrastructure is not required “by the Town” in the near term. This later condition is denoted by the project being reflected beyond the next 5 years of the Town’s Capital Plan.

GUIDING PRINCIPLE

OFF-SITE INFRASTRUCTURE CONSTRUCTED BY A DEVELOPER WILL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATIONS OF THE TOWN.

DEVELOPERS ARE REQUIRED TO ENTER AGREEMENT WITH THE TOWN ON ALL OFF-SITE INFRASTRUCTURE CONSTRUCTED (QUALIFIED OR NON QUALIFIED INFRASTRUCTURE). “QUALIFIED” OFF-SITE INFRASTRUCTURE IS OUTLINED WITHIN TOWN OF VERMILION’S OFF-SITE LEVY BYLAW AND IS CONTAINED WITHIN THE NEXT 5 YEARS OF THE TOWN’S CAPITAL PLAN.

“NON-QUALIFIED” OFF-SITE INFRASTRUCTURE IS OUTLINED WITH TOWN OF VERMILION’S OFF-SITE LEVY BUT IS CONTAINED BEYOND THE NEXT 5 YEARS OF THE TOWN’S CAPITAL PLAN.

DEVELOPERS THAT CONSTRUCT “QUALIFIED” OR “NON-QUALIFIED” OFF-SITE INFRASTRUCTURE ARE PERMITTED TO OFFSET OFF-SITE LEVIES UP TO THE COST OF INFRASTRUCTURE BEING CONSTRUCTED (SEE OFFSETTING OFF-SITE LEVIES).

DEVELOPERS THAT CONSTRUCT “QUALIFIED” OFF-SITE INFRASTRUCTURE WILL BE REIMBURSED INFRASTRUCTURE CONSTRUCTION COSTS AND INTEREST WILL ACCRUE ON UNPAID BALANCES.



DEVELOPERS THAT CONSTRUCT “NON-QUALIFIED” OFF-SITE INFRASTRUCTURE WILL NOT BE REIMBURSED COSTS AND WILL NOT RECEIVE INTEREST ON UNPAID BALANCES UNTIL SUCH TIME AS THE INFRASTRUCTURE BECOMES “QUALIFIED” (I.E., CONTAINED IN THE NEXT 5 YEARS OF THE TOWN’S CAPITAL PLAN).

	Qualified Infrastructure	Non-Qualified Infrastructure
Relationship to Off-site Levy Bylaw and Capital Plan	Is contained in the Town’s Off-site Levy Bylaw and the next 5 years of the Town’s Capital Plan.	Is contained in the Town’s Off-site Levy Bylaw but is contained beyond the next 5 years of the Town’s Capital Plan.
Standards & Specifications	Constructed to the standards and specifications of the Town.	Constructed to the standards and specifications of the Town.
Front-end Agreement	Developers are required to enter agreement with the Town.	Developers are required to enter agreement with the Town
Offset Off-site Levies	Developers may offset the value of off-site levies being collected by the cost of construction. Offset may only be applied to levies in the same category as infrastructure being constructed.	Developers may offset the value of off-site levies being collected by the cost of construction. Offset may only be applied to levies in the same category as infrastructure being constructed.
Interest on Unpaid Balance	Developers will receive interest on the balance of off-site infrastructure amounts due to the developer.	No Interest Payment Until Qualified – Developers will not receive interest on non-qualified infrastructure constructed. Interest will only accrue once the infrastructure is “qualified”.

3.2 OFFSETTING OFF-SITE LEVIES FOR FRONT-END INFRASTRUCTURE COSTS

Developers who front end the construction of off-site levy infrastructure whether “qualified” or “non-qualified” may apply the cost of this infrastructure against off-site levies due to the Town. If the developer is constructing off-site infrastructure or contributing land that will be used to site off-site levy infrastructure the Town will award the developer a credit up to the value of construction. However, the construction credit may only be applied against the same category of levy as the constructed front-end infrastructure. No construction credits may be applied to off-site levies owing that differ from the off-site levy infrastructure being constructed. For example, if a developer were front-ending the construction of road off-site infrastructure, then the off-site levy assessment for roads can be offset by the value of front-ended road infrastructure. The value of construction cannot be offset against any other off-site levy assessments.



GUIDING PRINCIPLE

DEVELOPERS THAT FRONT END THE CONSTRUCTION OF OFF-SITE INFRASTRUCTURE MAY OFFSET THE OFF-SITE LEVY ASSESSMENTS ON THIS CATEGORY OF OFF-SITE INFRASTRUCTURE UP TO THE COST OF INFRASTRUCTURE CONSTRUCTION. FRONT-END INFRASTRUCTURE COSTS MAY ONLY BE APPLIED AGAINST THE SAME OFF-SITE LEVY CATEGORY AS THE INFRASTRUCTURE BEING FRONT-ENDED.

Calculation of off-site front end amounts and levy credits for front-ended off-site levy infrastructure are as follows:

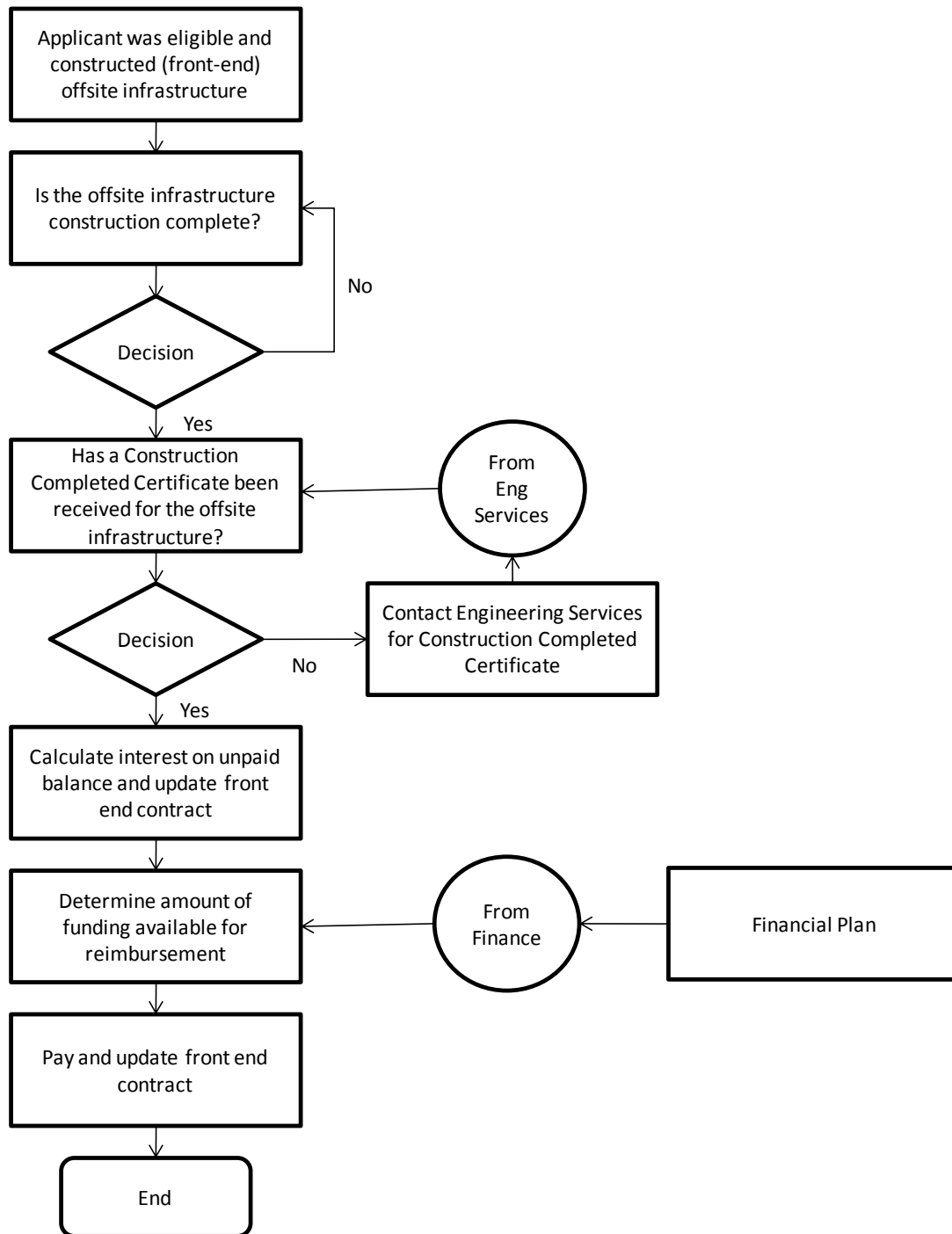
Front-end Construction Amount / Offset Credits	Rationale
<p>Offset Based Upon Professional Estimate / Adjust for Actual – The offset credit will be based upon the Town approved construction estimates. The developer will provide this estimate. The developer estimate must be certified by a professional architect or engineer or based on a fixed price bid from a contractor.</p> <p>When the infrastructure is ultimately constructed the actual cost of construction, approved by the Town, may be applied to adjust any off-site levies still owing.</p> <p>The developer must advise the Town of any change orders that impact the cost of the approved infrastructure and the change order must be approved in writing by the Town to be eligible for reimbursement or levy assessment offset.</p>	<p>Obtaining external pricing ensures that all parties understand the potential cost of the project.</p> <p>Final actual construction cost is required to finalize amounts that may be due to the developer and / or the Town.</p> <p>The notification and approval of change orders will keep the Town and developer apprised of the cost changes and potential impact on levy assessments outstanding.</p>



INFRASTRUCTURE FRONT-END CLAIM REIMBURSEMENT

The following flowchart outlines the reimbursement of front-ending claims process:

Figure 5: Front-Ending Claim Reimbursement Process



4.1 CONSTRUCTION INSPECTION AND ACCEPTANCE

Developers who are front-ending the construction of off-site levy infrastructure will construct infrastructure to the standards and specifications demanded by the Town. In this regard the process used to inspect and accept other development infrastructure will be used for off-site infrastructure construction. The Town will inspect constructed infrastructure and issue a Construction Completion Certificate when the infrastructure is completed. This certificate will “start the clock” on the timing of guaranteed repayment on “qualified” off-site infrastructure. The developer will be responsible for correcting any deficiencies in off-site infrastructure construction. Front-end off-site infrastructure will be subject to a two-year warrantee period. To ensure that the developer corrects deficiencies in front-end infrastructure, cost reimbursement will be subject to hold back. The Town will issue a Final Acceptance Certificate when all deficiencies have been remedied and the warrantee period has expired. The Final Acceptance Certificate will trigger the release of front-end infrastructure reimbursement hold back (assuming funds are available in the off-site levy reserve).

GUIDING PRINCIPLE

DEVELOPERS WILL BE RESPONSIBLE TO CONSTRUCT OFF-SITE INFRASTRUCTURE TO THE STANDARDS AND SPECIFICATIONS OF THE TOWN.

Infrastructure inspection and acceptance conditions are outlined below:

Inspection / Acceptance Terms	Rationale
<p>a) Inspection, Correction of Deficiencies, Acceptance – Developer constructed infrastructure will be built to Town standards and specification.</p> <p>At completion, infrastructure will be subject to Town inspection. The developer will remedy construction deficiencies.</p> <p>A Construction Completion Certificate will be issued by the Town to signify that infrastructure conforms to Town standards.</p>	<p>The developer is accountable for the infrastructure constructed. The inspection process will ensure that standards have been met and that deficiencies are noted and subject to future correction by the developer. The Construction Completion Certificate “starts” the guaranteed repayment schedule.</p>
<p>b) Hold Back on Deficiencies, Issuance of Final Acceptance Certificate – The Town will withhold 20% of the cost of front-end off-site infrastructure repayment amounts to expedite correction of deficiencies.</p> <p>At the conclusion of the warranty period and after construction deficiencies are completed a final acceptance inspection will be undertaken, a Final Acceptance Certificate will be issued and holdback on reimbursement may be released (if funds are available in the off-site levy reserve).</p>	<p>To ensure that a developer corrects any off-site infrastructure deficiencies a hold back amount will be established.</p> <p>The issue of a Final Acceptance Certificate by the Town will be used to signal release of holdback on payment to the developer.</p>



4.2 INTEREST ON UNPAID BALANCE

Developers who construct “qualified” off-site infrastructure, where the cost of construction exceeds off-site levies payable, should earn interest on balances due to them. Interest should accrue from the point of the issuance of the Construction Completion Certificate, and will be posted to the developers account annually and upon final repayment of the construction cost by the Town. Interest accrued on unpaid balances owed to the developer should be earned at the borrowing rates periodically agreed to by the Town in the “Town Banking Agreement”. The “Town Banking Agreement” represents the interest cost to the Town if it were to borrow money to front-end construction of the off-site infrastructure.

GUIDING PRINCIPLE

BALANCES DUE TO DEVELOPERS AS A RESULT OF FRONT-ENDING THE CONSTRUCTION OF “QUALIFIED” OFF-SITE INFRASTRUCTURE WILL EARN INTEREST AT THE NOMINAL COST OF CAPITAL TO THE TOWN AS WOULD BE RECEIVED IN A LOAN THROUGH THE TOWN’S BANKING AGREEMENT.

Interest earned on outstanding balance due to the developer for construction of “qualified” off-site infrastructure:

Inspection / Acceptance Terms	Rationale
a) Interest on Outstanding Balance at Town Cost of Capital – Developer constructed off-site infrastructure will earn interest on any outstanding balance at the interest rate the Town would receive if it were to borrow money under the terms and conditions of the “Town Banking Agreement”. Interest will be credited to developer accounts annually and at time of final payment to the developer.	Developers who construct “qualified” infrastructure will receive credit for the working capital invested in constructing front-ending off-site infrastructure. The MGA indicates that parties that front end infrastructure construction will be entitled to interest on their investment.

4.3 FRONT ENDING REPAYMENTS

The Town will decide annually the amount of off-site levy reserves that are to be used / retained for drawn down of outstanding front-end balances (less holdbacks) and future construction. The following illustration outlines how off-site levy reserves will be apportioned.



Figure 6: Appointing Off-site Levy Reserve for Payment



The Town will develop a plan annually describing how it intends to distribute off-site levy reserve funds. The plan will consider future off-site front-ending, future staging of off-site infrastructure, the balance in off-site levy reserves, the balance of outstanding qualified front-end obligations, the Town’s borrowing capacity, interest rates, development trends etc.

This information will be used to create the Town’s Capital Plan as well as a Finance Plan that outlines anticipated levy receipts, expenditures and the allocation of expenditures between repayments, front end debt draw down, monies drawn by the Town to construct off-site infrastructure and amounts retained in the reserve to finance future disbursements including future construction, repayments etc.

GUIDING PRINCIPLE

THE TOWN WILL DEVELOP ANNUALLY A FINANCIAL PLAN DESCRIBING HOW OFF-SITE LEVY FUNDS WILL BE DISBURSED.

Repayment prioritization:

Reserve Use	Rationale
<p>a) Use for Funding Payouts, Construction of New Off-site Infrastructure or Draw Down of Off-site Infrastructure Debts – Off-site levy funds will be drawn down as may be required to meet front-end payments (less holdbacks).</p> <p>Off-site reserve funds may also be used / retained for future infrastructure projects or draw down of “qualified” front-end obligations at the discretion of the Town.</p>	<p>Repayment of developer payouts may be given the same priority as funding of new infrastructure or draw down of front-end debts.</p>



4.4 PAYMENTS ON DEVELOPER FRONT END DEBTS

Any off-site levy reserve funds that are assigned to the draw-down of obligations related to “qualified” front-end construction will be distributed to front-ending parties (Town and / or private developers) in an equitable fashion. Equity will be achieved by prorating repayment funds across the outstanding balance of all amounts owed.

GUIDING PRINCIPLE

FUNDS DRAWN FROM THE OFF-SITE LEVY RESERVE TO PAY DOWN “QUALIFIED” FRONT END OBLIGATIONS WILL BE PRORATED ACROSS ALL OUTSTANDING LOAN BALANCES. WHEN AN AMOUNT OWED ON “QUALIFIED” FRONT-ENDING OBLIGATION IS LESS THAN \$25,000, THE AMOUNT DUE WILL BE PAID OUT IN ITS ENTIRETY.

The following outlines the administrative processes that will be used when reserve payments are allocated to the repay / draw down of “qualified” front-end obligations.

Repayment of “Qualified” Debts	Rationale
<p>a) Payments on Amounts will be Prorated on All Balances Due – The Town will determine the amount of funding to be applied to the pay down of front ending obligations for “qualified” balances. Such funding will be prorated across all debts.</p>	<p>The Town will determine the amount of off-site levy reserve funding to be applied against debt draw-downs.</p> <p>This amount will be distributed equally to all debts, Town and private developer alike.</p>
<p>b) Payments on Amounts Below \$25,000 will be paid out – When the balance of a “qualified” front-end obligation falls below \$25,000, the balance will be paid out in its entirety.</p>	<p>Small outstanding balances will be paid out to reduce the administrative efforts associated with these amounts.</p>

