MUNICIPAL DISTRICT OF GREENVIEW NO. 16

REGULAR COUNCIL MEETING AGENDA

Tuesday, October 13, 2015 | 9:00 AM | Council Chambers, Administration Building

#1	CALL TO ORDER		
#2	ADOPTION OF AGENDA		1
#3	MINUTES	3.1 Regular Council Meeting minutes held September 22, 2015 – to be adopted.	3
		3.2 Business Arising from the Minutes	
#4	PUBLIC HEARING	4.1 Bylaw 15-751 Re-designation from Crown Land (CL) District to Industrial (I) District	34
		4.2 Bylaw 15-752 Re- designation from Industrial (I) District to Rural Commercial (RC) District	48
#5	DELEGATION	5.1 QE II Hospital Foundation	13
#6	BYLAWS	6.1 Bylaw 15-751 Re-designation from Crown Land (CL) District to Industrial (I) District	34
		6.2 Bylaw 15-752 Re- designation from Industrial (I) District to Rural Commercial (RC) District	48
#7	OLD BUSINESS		
#8	NEW BUSINESS	8.1 Valleyview Regional Multiplex Tender Award	63
		8.2 NADC Bursary – Gary Cymbaluk	68
		8.3 Valleyview Enhancement Society – 2015 Christmas Gala	77

		8.4 2015 Golf Tournament Report	80
		8.5 Geothermal Study	83
		8.6 Fox Creek Study	86
		8.7 CAO Report	286
#9	COUNCILLORS BUSINESS & REPORTS		
#10	CORRESPONDENCE		
#11	IN CAMERA	11.1 Advice from Officials *(FOIPP; Section 24)*	1
		11.2 Local Public Body Confidences *(FOIPP; Section 23)*	3
#12	ADJOURNMENT		

Minutes of a
REGULAR COUNCIL MEETING
MUNICIPAL DISTRICT OF GREENVIEW NO. 16
M.D. Administration Building,
Valleyview, Alberta, on Tuesday, September 22, 2015

 # 1: CALL TO ORDER

Reeve Dale Gervais called the meeting to order at 9:03 a.m.

PRESENT

Reeve	Dale Gervais
Councillors	George Delorme
	Dave Hay
	Bill Smith
	Dale Smith
	Les Urness

ATTENDING

Chief Administrative Officer	Mike Haugen
General Manager, Corporate Services	Rosemary Offrey
General Manager, Community Services	Dennis Mueller
General Manager, Infrastructure & Planning	Grant Gyurkovits
Communications Intern	Smriti Shakargaye
Recording Secretary	Lianne Kruger

ABSENT

Deputy Reeve	Tom Burton
Councillor	Roxie Rutt
Communications Officer	Diane Carter

#2: AGENDA

MOTION: 15.09.414. Moved by: COUNCILLOR LES URNESS
That the September 22, 2015 agenda be adopted as presented.
CARRIED

#3.1 REGULAR COUNCIL MEETING MINUTES

MOTION: 15.09.415. Moved by: COUNCILLOR DALE SMITH
That the Minutes of the Regular Council Meeting held on Tuesday, September 08, 2015 be adopted as presented.
CARRIED

#3.2 BUSINESS ARISING FROM MINUTES

3.2 BUSINESS ARISING FROM MINUTES:

#7 OLD BUSINESS

7.0 OLD BUSINESS

There is no Old Business to report.

UNADOPTED

#8 NEW BUSINESS

8.0 NEW BUSINESS

8.1 WAPITI GRAVEL AGGREGATE PURCHASE

WAPITI GRAVEL

MOTION: 15.09.416. Moved by: COUNCILLOR DALE SMITH
That council approve the purchase of 100,000 tonnes of crushed aggregate from Wapiti Gravel from their Big Smoky Pit, SML #850099, location SE-08-72-02-W6 in the amount of $1,032,000.00. Funding to come from the Operations 2015 Gravel Budget.

CARRIED

8.2 SALE OF SURPLUS EQUIPMENT

SURPLUS EQUIPMENT

MOTION: 15.09.417. Moved by: COUNCILLOR DAVE HAY
That Council approve the sale of surplus equipment listed A99, A105, A107, A110, A122 and TR2 to the October 5th, 2015 Ritchie Brothers Auction in Grande Prairie, Alberta.

CARRIED

Councillor Dale Smith vacated the meeting at 9:43 a.m.
Councillor Dale Smith re-entered the meeting at 9:44 a.m.

2004 BACKHOE

MOTION: 15.09.418. Moved by: COUNCILLOR DALE SMITH
That Council direct administration to sell the L4 2004 JCB215 S Backhoe to the Grovedale Recreation Department.

CARRIED

#5 DELEGATIONS

5.0 DELEGATIONS

5.1 FOX CREEK ATV CLUB

Jason Kuit and Rich Damons presented to Council information regarding the Fox Creek ATV Club, explaining how the club was started and how they intend to make the trails more accessible.

FOX CREEK ATV CLUB

MOTION: 15.09.419. Moved by: COUNCILLOR LES URNESS
That Council accept the presentation by the Fox Creek ATV Club for information as presented.

CARRIED

Reeve Gervais recessed the meeting at 10:00 a.m.
Reeve Gervais reconvened the meeting at 10:12 a.m.

UNADOPTED

#4 PUBLIC HEARING

4.0 PUBLIC HEARING

4.1 BYLAW 15-750 RE-DESIGNATE FROM HAMLET COMMERCIAL DISTRICT TO HAMLET INDUSTRIAL DISTRICT

Chair Gervais opened the Public Hearing regarding Bylaw #15-750 at 10:17 a.m.

IN ATTENDANCE

Manager, Planning & Development	Sally Rosson
Development Officer	Leona Dixon
Applicant	Chester Wathen

APPLICANT(S) & PROPERTY OWNER(S)

Applicant(s)	Chester Wathen
Property Owner(s)	Chester Wathen

INTRODUCTIONS

The Chair requested each Council Member and Staff member to introduce themselves and asked Council Members if there were any reasons that they should be disqualified from the hearing. Each Members' reply was "No."

PURUPOSE OF THE HEARING

The purpose of the hearing is to hear submissions for and opposed to proposed Bylaw 15-750, being the bylaw of the MD of Greenview, is required for the re-designation of Lot 10 Block 3 Plan 1273HW from Hamlet Commercial (HC) District to Hamlet Residential (HR) District.

QUESTIONS FROM COUNCIL TO APPLICANT

The Chair called for any questions to the Applicant from Council.

THOSE IN FAVOUR

The Chair requested that anyone in favour of the application come forward.
None came forward.

THOSE AGAINST

The Chair requested that anyone not in favour of the application come forward.
None came forward.

REFERRAL AGENCY & ADJACENT LANDOWNERS COMMENTS

The Planning & Development Coordinator provided a summary of the responses from the referral agencies.

QUESTIONS FROM COUNCIL

The Chair called for any questions from Council.
None were heard.

QUESTIONS FROM APPLICANT OR PRESENTER

The Chair called for any questions from the Applicant or those that had spoken in favour or against the application with regards to the comments from Planning & Development, the referral agencies, or adjacent landowners.
None were heard.

UNADOPTED

FAIR & IMPARTIAL HEARING

The Chair asked the Applicant if they have had a fair and impartial hearing. They replied, "yes".

BYLAW 15-750 PUBLIC HEARING ADJOURNED

Chair Gervais adjourned the Public Hearing regarding Bylaw #15-750 at 10:19 a.m.

4.2 BYLAW 15-754 RE-DESINGATE FROM AGRICULTURE DISTRICT TO INDUSTRIAL DISTRICT

Chair Gervais opened the Public Hearing regarding Bylaw #15-754 at 10:19 a.m.

IN ATTENDANCE

Manager, Planning & Development	Sally Rosson
Development Officer	Leona Dixon

APPLICANT & PROPERTY OWNERS

Applicant	Gary Klassen
Property Owner	Gary Klassen

INTRODUCTIONS

The Chair refrained from introductions as there were no attendees.

PURPOSE OF THE HEARING

The purpose of the hearing is to hear submissions for and opposed to proposed Bylaw 15-754, being the bylaw of the MD of Greenview for the purposed re-designation of a proposed 2.02 hectare (4.99 acre) area within SW 9-72-1-W6 from Agriculture (A) District to Industrial (I) District.

REFERRAL AGENCY & ADJACENT LANDOWNERS COMMENTS

The Planning & Development Coordinator provided a summary of the responses from the referral agencies.

BYLAW 15-754 PUBLIC HEARING ADJOURNED

Chair Gervais adjourned the Public Hearing regarding Bylaw #15-754 at 10:27 a.m.

#6 BYLAWS

6.0 BYLAWS

6.1 BYLAW 15-750 RE-DESIGNATE FROM HAMLET COMMERCIAL (HC) DISTRICT TO HAMLET RESIDENTIAL (HR) DISTRICT

BYLAW 15-750 SECOND READING

MOTION: 15.09.420. Moved by: COUNCILLOR LES URNESS
That Council give Second Reading to Bylaw No. 15-750, to re-designate Lot 10 Block 3 Plan 1273HW from Hamlet Commercial (HC) District to Hamlet Residential (HR) District.

CARRIED

UNADOPTED

BYLAW 15-750 THIRD READING

MOTION: 15.09.421. Moved by: COUNCILLOR DALE SMITH
That Council give Third Reading to Bylaw No. 15-750, to re-designate Lot 10 Block 3 Plan 1273HW from Hamlet Commercial (HC) District to Hamlet Residential (HR) District.

CARRIED

6.2 BYLAW 15-754 RE-DESIGNATE FROM AGRICULTURE (A) DISTRICT TO INDUSTRIAL (I) DISTRICT

BYLAW 15-754 SECOND READING

MOTION: 15.09.422. Moved by: COUNCILLOR DAVE HAY
That Council give Second Reading to Bylaw No. 15-754, to re-designate the proposed 2.02 hectare ± (4.99 acre) area within SW-9-72-1-W6 from Agriculture (A) District to Industrial (I) District.

CARRIED

BYLAW 15-754 THIRD READING

MOTION: 15.09.423. Moved by: COUNCILLOR DAVE HAY
That Council give Third Reading to Bylaw No. 15-754, to re-designate the proposed 2.02 hectare ± (4.99 acre) area within SW-9-72-1-W6 from Agriculture (A) District to Industrial (I) District.

CARRIED

6.3 BYLAW 15-753 RE-DESIGNATE FROM CROWN LAND (CL) DISTRICT TO INDUSTRIAL (I) DISTRICT

BYLAW 15-753 FIRST READING

MOTION: 15.09.424. Moved by: COUNCILLOR BILL SMITH
That Council give First Reading to Bylaw No. 15-753 to re-designate 14.66 hectares ± (36.23 acres) within N 1/2-32-63-20-W5 & SW-05-64-20-W5 from Crown Land (CL) District to Industrial (I) District, as per attached Schedule 'E'.

CARRIED

BYLAW 15-753 PUBLIC HEARING

MOTION: 15.09.425. Moved by: COUNCILLOR LES URNESS
That Council schedule a Public Hearing for Bylaw No. 15-753 to be held on October 27, 2015, at 10:00 a.m. for the re-designation of 14.66 hectares ± (36.23 acres) within N 1/2-32-63-20-W5 & SW-05-64-20-W5 from Crown Land (CL) District to Industrial (I) District, as per attached Schedule 'E'.

CARRIED

UNAPPROVED

8.3 ENFORCEMENT SERVICES

ENHANCED COMMUNITY POLICING

MOTION: 15.09.426. Moved by: REEVE DALE GERVAIS
That Council direct administration to reapply for Enhanced Community Policing Position Option 1 in September 2016.

CARRIED

POLICING AGREEMENT

MOTION: 15.09.427. Moved by: COUNCILLOR DALE SMITH
That Council direct administration to explore Option 2 policing agreements and provide a report to Council.

CARRIED

COUNTY OF GRANDE PRAIRIE PEACE OFFICER SERVICES

MOTION: 15.09.428. Moved by: COUNCILLOR DALE SMITH
That Council direct administration to bring back a report regarding the renewal of contract with the County of Grande Prairie Community Peace Officer Services.

CARRIED

8.5 GRANDE PRAIRIE MUSEUM AGREEMENT

GRANDE PRAIRIE MUSEUM

MOTION: 15.09.429. Moved by: COUNCILLOR BILL SMITH
That Council authorize Administration to enter into an agreement to provide annual operating funds in the amount of $15,000.00 to the Grande Prairie Museum, with 2015 funds to come from Community Services.

CARRIED

8.6 VALLEYVIEW & DISTRICT CHAMBER OF COMMERCE SMALL BUSINESS AWARDS

SMALL BUSINESS AWARDS

MOTION: 15.09.430. Moved by: COUNCILLOR DALE SMITH
That Council approve Silver Package sponsorship in the amount of $500.00 to the Valleyview and District Chamber of Commerce for the 2015 Small Business Awards, with funds to come from the Community Service Miscellaneous Grant.

CARRIED

UNADOPTED

8.7 ANNUAL HARVESTER'S BALL – DEBOLT & DISTRICT AGRICULTURAL SOCIETY

HARVESTER'S BALL

MOTION: 15.09.431. Moved by: COUNCILLOR DAVE HAY
That Council approve the Main Event Sponsorship in the amount of $2,000.00 to the DeBolt & District Agricultural Society for the Annual Harvester's Ball, to be held at the DeBolt & District Agricultural Centre on October 24, 2015, with funds to come from the Community Service Miscellaneous Grant.

CARRIED

8.8 POLICY 1006 – EMPLOYEE/CONSULTANT TEMPORARY HOUSING

POLICY 1006

MOTION: 15.09.432. Moved by: COUNCILLOR BILL SMITH
That Council approve the amendment to Policy 1006 – Employee/Consultant Temporary Housing Policy to clarify the Chief Administrative Officer's authority as recommended by the Policy Review Committee.

CARRIED

8.9 POLICY 2006 – EMPLOYEE APPRENTICESHIP TRAINING

POLICY 2006

MOTION: 15.09.433. Moved by: COUNCILLOR DAVE HAY
That Council approve Policy 2006 – Employee Apprenticeship Training as presented.

CARRIED

8.10 WEIGHT INCREASE ON THE FORESTRY TRUNK ROAD

FORESTRY TRUNK ROAD WEIGHT INCREASE

MOTION: 15.09.434. Moved by: COUNCILLOR DAVE HAY
That Council accept the report from WSP as information.

CARRIED

WINTER HAUL RATES

MOTION: 15.09.435. Moved by: COUNCILLOR DAVE HAY
That Council agree to increase the winter haul rates to 75,000kg's for the entire length of the Forestry Truck Road during frozen road conditions, as determined by Greenview Administration.

CARRIED

Councillor Bill Smith vacated the meeting at 11:38 a.m.

UNADOPTED

8.4 LAND SURVEY FOR DOLLAR LAKES

DOLLAR LAKES

MOTION: 15.09.436. Moved by: COUNCILLOR DALE SMITH
That Council approve $20,670.30 to the Alberta Conservation Association for the purpose of conducting a legal survey to establish a land lease on Dollar Lakes, with funds to come from Recreation Services Capital Budget.

Councillor Bill Smith re-entered the meeting at 11:40 a.m.

CARRIED

8.11 CAO REPORT

CAO REPORT

MOTION: 15.09.437. Moved by: COUNCILLOR DALE SMITH
That Council accept the CAO Report as information.

CARRIED

Reeve Gervais recessed the meeting at 11:56 p.m.
Reeve Gervais reconvened the meeting at 1:06 p.m.

#11 IN CAMERA

11.0 IN CAMERA

IN CAMERA

MOTION: 15.09.438. Moved by: COUNCILLOR LES URNESS
That, in compliance with Section 197(2) of the Municipal Government Act, this meeting go In Camera at 1:07 p.m.

CARRIED

11.1 ADVICE FROM OFFICIALS
(FOIPP; Section 24)

OUT OF CAMERA

MOTION: 15.09.439. Moved by: COUNCILLOR BILL SMITH
That, in compliance with Section 197(2) of the Municipal Government Act, this meeting come Out of Camera at 1:47 p.m.

CARRIED

#9 COUNCILLORS BUSINESS & REPORTS

9.1 COUNCILLORS' BUSINESS & REPORTS

9.2 MEMBERS' REPORT: Council provided an update on activities and events both attended and upcoming, including the following:

UNADOPTED

COUNCILLOR GEORGE DELORME
Attended the Municipal Planning Commission Meeting
Attended the Committee of the Whole

COUNCILLOR LES URNESS
Attended the Policy Review Committee Meeting
Attended the Committee of the Whole Committee Meeting
Attended the Valleyview Library Board Meeting
Attended the Greenview Regional Waste Management Committee Meeting

COUNCILLOR DAVE HAY
Attended the Municipal Planning Commission Meeting
Attended the Policy Review Committee Meeting
Attended the Committee of the Whole Meeting
Attended the FCSS Meeting
Attended the Heart River Housing Meeting
Attended the Mighty Peace Water Shed Alliance Meeting

COUNCILLOR DALE SMITH
Attended the Municipal Planning Commission Meeting
Attended the Committee of the Whole
Attended the Valleyview and Area Coalition

COUNCILLOR BILL SMITH
Attended the Municipal Planning Commission Meeting
Attended the Ainsworth Meeting
Attended the Community Futures Meeting
Attended the Royalty Review Meeting
Attended the Wapiti River Management Plan Meeting

COUNCILLOR ROXIE RUTT
Not in attendance.

DEPUTY REEVE TOM BURTON
Not in attendance.

9.1 REEVE'S REPORT:

REEVE DALE GERVAIS:
Attended the Municipal Planning Commission Meeting
Attended the Chamber of Commerce Round Table
Attended the Policy Review Committee Meeting

UNADOPTED

Attended the RCMP Satisfaction Survey
Attended the Greenview Regional Waste Management Committee Meeting

#12 ADJOURNMENT

12.0 ADJOURNMENT

MOTION: 15.09.450. Moved by: COUNCILLOR BILL SMITH
That this meeting adjourn at 1:57 p.m.

CARRIED

_____ _____

CHIEF ADMINISTRATIVE OFFICER REEVE

UNADOPTED

REQUEST FOR DECISION

SUBJECT:	**Queen Elizabeth II Hospital Foundation Campaign**				
SUBMISSION TO:	REGULAR COUNCIL MEETING	REVIEWED AND APPROVED FOR SUBMISSION			
MEETING DATE:	October 13, 2015	CAO:	MH	MANAGER:	INT
DEPARTMENT:	CAO SERVICES	GM:	INT	PRESENTER:	MH
FILE NO./LEGAL:	File Number,Legal or N/A.			LEGAL/ POLICY REVIEW:	INT
STRATEGIC PLAN:				FINANCIAL REVIEW:	

RELEVANT LEGISLATION:

Provincial (cite) – *N/A*

Council Bylaw / Policy (cite) – *N/A*

RECOMMENDED ACTION:

MOTION: That Council receive for information the presentation by the QE II Hospital Foundation.

BACKGROUND / PROPOSAL:

Please see the attached letter and presentation from the Queen Elizabeth II (QEII) Hospital Foundation.

The QEII Hospital Foundation is requesting local municipalities to contribute funding to the QEII Regional Hospital and the new Grande Prairie Regional Hospital for various projects. The group is requesting $3.5 Million from the Municipal District of Greenview.

Administration is recommending that Council accept the presentation for information. The basis of this recommendation is that the funding of Health Care is a Provincial responsibility, not a Municipal Responsibility. Administration does note that municipalities often do provide funding in different areas of health care and physician recruitment to mitigate shortfalls in Provincial funding.

Obtaining funding from area municipalities is not the only mechanism through which the group can raise funds.

OPTIONS – BENEFITS / DISADVANTAGES:

Options – Council may choose to deny funding or to provide funding in any amount, including the amount requested.

Benefits – Given Council's budget and spending plans, Administration believes Council has other uses for the proposed funding.

Disadvantages – The lack of funding my prevent some of the outlined programs from being delivered.

COSTS / SOURCE OF FUNDING:

There are no costs associated with the recommendation. Should Council choose to provide funding, funds would have to be allocated from either Contingency or Reserve.

ATTACHMENT(S):

1. QE II Letter and Presentation

Grande Prairie Regional Hospital Capital Campaign

QE II Hospital Foundation Mission

- The primary purpose of the Queen Elizabeth II Hospital Foundation is to work with the community to raise and manage funds to enhance patient care and further education at the QE II Regional Hospital and the new Grande Prairie Regional Hospital.

- The Foundation plays a critical role in funding for essential specialized medical equipment, major projects, patient care programs and education.

Grande Prairie Regional Hospital Project

Grande Prairie Regional Hospital Project

- This $661 M project not only looks at the needs of today but is also being planned to encompass future expansion opportunities including additional beds and services when population growth demands it.

- This state-of-the-art facility will boast one of the best healthcare facilities of any rural region in Alberta.

- These will include greater services and advanced medical procedures that are vital to thousands of individuals and their families in this region.

Patient Centered Care

- What makes this hospital different than the current QE II Hospital is the focus on a new patient and family centered care model.
- This model of care engages family involvement with patient care instead of the healthcare system alone.
- The welcoming of family will not only enhance the patient experience but will also ensure families get the opportunity to be with their loved ones.
- This approach has been proven to show greater health outcomes, improved patient safety, reduced healthcare cost, reduced wait times, better communication, teamwork and overall satisfaction.

Points of Interest

- The new acute care hospital is nearly 689,000 square feet (64,000sq m), nearly twice the size of the current QE II Hospital with a foot print of approximately 1.5 football fields.

- 200 in-patient rooms will be private stay. Each room will contain furniture so a family member can stay with their loved one overnight if desired.

- A state-of-the-art cancer centre with two new radiation vaults will bring new radiation therapy services to the community and the surrounding region.

Points of Interest

- Ambulatory programs will include specialized diagnostic procedures and clinics that improve patient outcomes and reduce wait times.
- A cardiac/respiratory program will provide localized testing and treatment to patients with cardiac and respiratory disease processes.
- The existing Queen Elizabeth II Hospital will continue as a health care facility for the provision of ambulatory, community and other health services.
- A 1100 stall parkade will be available with a pedway entering the second level of the Hospital.

$ 20 Million Capital Campaign
4 Main Components

- **Key Innovations** – 9 Million
- **Key Equipment For Life Legacy Fund** – 6 Million
- **The Key to the Art of Healing –** 3 Million
- **The Key to Knowledge** – 2 Million

Key Innovations – $9 Million

- This component of the campaign is the largest segment and will bring technological enhancements that healthcare in our region has not seen before.
- This will also bring new medical professionals thereby ensuring our region gets the best care possible for more than 250,000 residents.
- This will also impact wait times positively along with reduced travel costs and related financial burdens.
- Ultimately this equipment will save lives at the most critical times.

Key Equipment for *Life* Legacy Fund – $6 Million

- Donors can contribute towards a Legacy Fund that will be used to purchase specialized equipment for our local hospital in perpetuity.
- Ensure health care needs of the future are being met.
- Essentially, you are leaving a legacy of care to your community and family that lasts lifetimes.

Key to the Art of Healing - $3 Million

- This refers to the fine arts component for the hospital that will promote healing and beautify surroundings.
- This component will include things that beautify the new hospital such as courtyards, flower gardens, artwork, sculptures, murals, and other unique design features that help enhance the look and feel of the hospital.
- It will also include a musical healing component and other artistic expressions.

Key to Knowledge – $2 Million

- Includes an educational component for our new hospital.
- This will include technologically advanced communication equipment that allows training right in the hospital.
- This will also provide greater opportunities for more staff to engage in educational sessions that may not be possible otherwise.
- In some areas we will be partnering with other stakeholders to provide educational services for students and staff.

How Can You Help?

- Any one of these components has a multitude of options for funding with naming opportunities available.
- Participation in this capital campaign not only benefits the wellbeing of our own families, it will also provide healthcare benefits to *"all"* of the people of this community, the entire Peace Country Region and all of Alberta northwest.
- It is absolutely essential to have a heath care facility that can meet our current and future needs and your help is critical in making our Hospital the best it can be for this community.
- Partner with us in saving lives!

FOUNDATION
QUEEN ELIZABETH II HOSPITAL

October 5, 2015

Municipal District of Greenview
Box 1079
Valleyview, AB. T0H -3N0

Attention: Municipal District of Greenview Council

Re: Key to Care Capital Campaign

The primary purpose of the Queen Elizabeth II Hospital Foundation is to work with the community to raise and manage funds to enhance patient care and further education at the QE II Regional Hospital and the new Grande Prairie Regional Hospital. The Foundation plays a critical role in providing funding for innovative medical equipment, major projects, educational support opportunities and programs that enrich mental health for patients and their families.

We are asking the Municipal District of Greenview to consider supporting the campaign in the amount of $ 3.5 million dollars. Investing in our Hospital to enhance patient care directly impacts our residents each and every day. Technologically-advanced, specialized medical equipment is costly, and as a result, most often can only be found in major cities. Your donation will not cover operating expenses or the replacement of existing equipment; your support will directly impact new and innovative medical advancements, new programs and educational supports that are not currently available in this region.

The Key to Care Capital Campaign aims to raise $ 20 million dollars that not only looks at the specific healthcare needs of today but also encompasses the opportunity to make a difference in our future. Being able to adapt to new modern medical advancements is critical in providing a high-quality healthcare system for our families living in the entire Peace Country Region.

Please find attached the most recent project update for the new Grande Prairie Regional Hospital along with information about our new capital campaign which will be formally launched to the public on November 14, 2015 at our Festival of Trees Gala. Should you have questions or require additional information, we are available to meet with you at your convenience.

Health care is vital to every resident and we hope you will strongly consider supporting this invaluable campaign. YOU ARE THE KEY TO CARING and with your support we can make a positive impact for our families and move beyond the healthcare limitations of today.

Yours sincerely,

Cindy Park
Executive Director

REQUEST FOR DECISION

SUBJECT:	**Bylaw 15-751 on E ½ 5-64-5-W6**				
SUBMISSION TO:	Regular Council Meeting	REVIEWED AND APPROVED FOR SUBMISSION			
MEETING DATE:	October 13, 2015	CAO:	MH	MANAGER:	SAR
DEPARTMENT:	Infrastructure & Planning / Planning & Development	GM:	INT	PRESENTER:	LL
FILE NO./LEGAL:	**A15-008 –E ½ 5-64-5-W6**			LEGAL/ POLICY REVIEW:	INT
STRATEGIC PLAN:				FINANCIAL REVIEW:	

RELEVANT LEGISLATION:

Provincial (cite) – *Municipal Government Act, Division 12, Bylaws, Regulations, Planning Bylaws 692 (1) - (9).*
In accordance with Section 692 of the Municipal Government Act (MGA), prior to giving Second Reading to a Bylaw, Council must hold a Public Hearing. Section 606 of MGA outlines the requirements for advertising, stating the Notice of the Bylaw must be published at least once a week for two consecutive weeks in at least one newspaper other publication circulating in the area to which the proposed bylaw relates and at least five days prior to the meeting, or mailed or delivered to every residence in the area to which the proposed Bylaw is to be held.

Council Bylaw / Policy (cite) – *MD of Greenview No. 16, Land Use Bylaw 03-396, Section 8, Amending this Bylaw, 8.1 Contents of amendment Application, and 8.2 The Amendment Process.*

Municipal Development Plan (cite) – *MD of Greenview No. 16, Municipal Development Plan 2003, Section: 6 Section 6 – Commerce and Industry*

RECOMMENDED ACTION:

MOTION: That Council give Second Reading to Bylaw No. 15-751 to re-designate 6.00 hectares ± (14.82 acres) within E ½-5-64-5-W6 from Crown Land (CL) District to Industrial (I) District, as per attached Schedule 'E'.

MOTION: That Council give Third Reading to Bylaw 15-751 to re-designate 6.00 hectares ± (14.82 acres) within E ½-5-64-5-W6 from Crown Land (CL) District to Industrial (I) District, as per attached Schedule 'E'.

BACKGROUND / PROPOSAL:

A Public Hearing for Bylaw 15-751 is required to allow Council to consider input from the adjacent landowners and the referral agencies (Schedule D) for the proposed land use re-designation of a 6.00 hectare ± (14.82 acre) area as proposed within the E ½ 5-64-5-W6 from Crown Land (CL) District to Industrial (I) District.

The Land Use Amendment Application (Schedules A and B) would allow for the development of a Waste Management Facility.

Legislative requirements have been fulfilled with notifications been sent to the adjacent landowners and referral agencies. Advertising of the Public Hearing was in the Daily Herald Tribune on September 23 and September 30, 2015, as well as on Greenview's website.

The Application received First Reading on September 9, 2015 and the Public Hearing was scheduled for October, 13, 2015, at ten (10) a.m., in the Council Chambers.

The application was received from Secure Energy Services, who is the leaseholder of MLL150178 on E ½ 5-64-5-W6, located in the Kakwa area, Ward 8. Secure Energy Services proposes to rezone 6.00 hectares ± (14.82 acres) from Crown Land (CL) District to Industrial (I) District, for the development of a Waste Management Facility.

In accordance with Section 6.2.1 of the Municipal Development Plan, the types of industry which may be supported in the Municipal District include those that

(a) cater to the needs of agriculture, forestry, or natural resource extraction;
(b) have comparatively large land requirements;
(c) are not suited to an urban area;
(d) do not conflict with adjacent land uses in terms of appearance, emissions, noise, or traffic generation, unless suitable buffers are provided;
(e) are located on sites that are suitable for the proposed development in terms of soil stability, groundwater level, and drainage; and
(f) have minimal servicing requirements.

OPTIONS – BENEFITS / DISADVANTAGES:

Options –

1. That Council considered the information from the Public Hearing and grant Second and Third Reading to Bylaw No. 15-751.
2. That Council Table Bylaw No. 15-751, for further discussion.
3. That Council Consider the information from the Public Hearing and defeat Second Reading to Bylaw No. 15-751

Benefits –

Industrial development provides diversification, economic development, and employment opportunities and supports the continued growth and development of smaller urban centres.

Disadvantages -

Increased opportunity for conflicts with surrounding land uses.

COSTS / SOURCE OF FUNDING:

The application has been endorsed by the applicant, and the application fees have been received.

ATTACHMENT(S):

- Schedule ‘A’ – Application and Sketch
- Schedule ‘B’ – Location Map
- Schedule ‘C’ – Farmland Report and Map
- Schedule ‘D’ – Referral Responses
- Schedule ‘G’ – Bylaw No. 15-751

Schedule 'A' – Application and Sketch

LAND USE AMENDMENT APPLICATION – FORM A

Municipal District of Greenview
4806 – 36 Avenue, Box 1079, Valleyview AB T0H 3N0
T 780.524.7600 F 780.524.4307 Toll Free 1.866.524.7608
www.mdgreenview.ab.ca

FOR ADMINISTRATIVE USE	
LUB MAP NO. 238	BYLAW NO.
APPLICATION NO.	AL5-008
RECEIPT NO.	0133297
ROLL NO.	
RFLA RATING	NA

NAME OF APPLICANT(S)	NAME OF REGISTERED LANDOWNER(S) *Complete if Different from Applicant*
Secure Energy Services	Crown Lease to Secure - MLL150178
ADDRESS 3600, 205 - 5th Avenue S.W.	ADDRESS
Calgary, Alberta	
POSTAL CODE: T2P 2V7 / TELEPHONE (Res.) / (Bus.) 587.390.2591	POSTAL CODE / TELEPHONE (Res.) / (Bus.)

Legal description of the land affected by the proposed amendment

QTR./L.S.	SEC	TWP.	RG.	M.	OR	REGISTRATION PLAN NO.	BLOCK	LOT
E05	05	064	05	W6				

Land Use Classification for Amendment Proposed:

FROM:	TO:
Agricultural/Forestry	Industrial

Reasons Supporting Proposed Amendment:

Secure is receiving AER approval to operate a Custom Treating and Waste Management facility

Physical Characteristics:

Describe Topography:	Vegetation:	Soil:
Predominately Flat	Forest - cleared/regrowth	Forested (Luvisolic & Podzolic)

Water Services:

Existing Source:	Proposed Water Source:
none	trucked in with future application into AER for

Sewage Services:

Existing Disposal:	Proposed Disposal:
none	Sump collection System & 3rd Party removal.

Approach(s) Information:

Existing:	Proposed:
Husky Road (LOC 2769)	

■ I / We have enclosed the required Application Fee of $ 800.00.

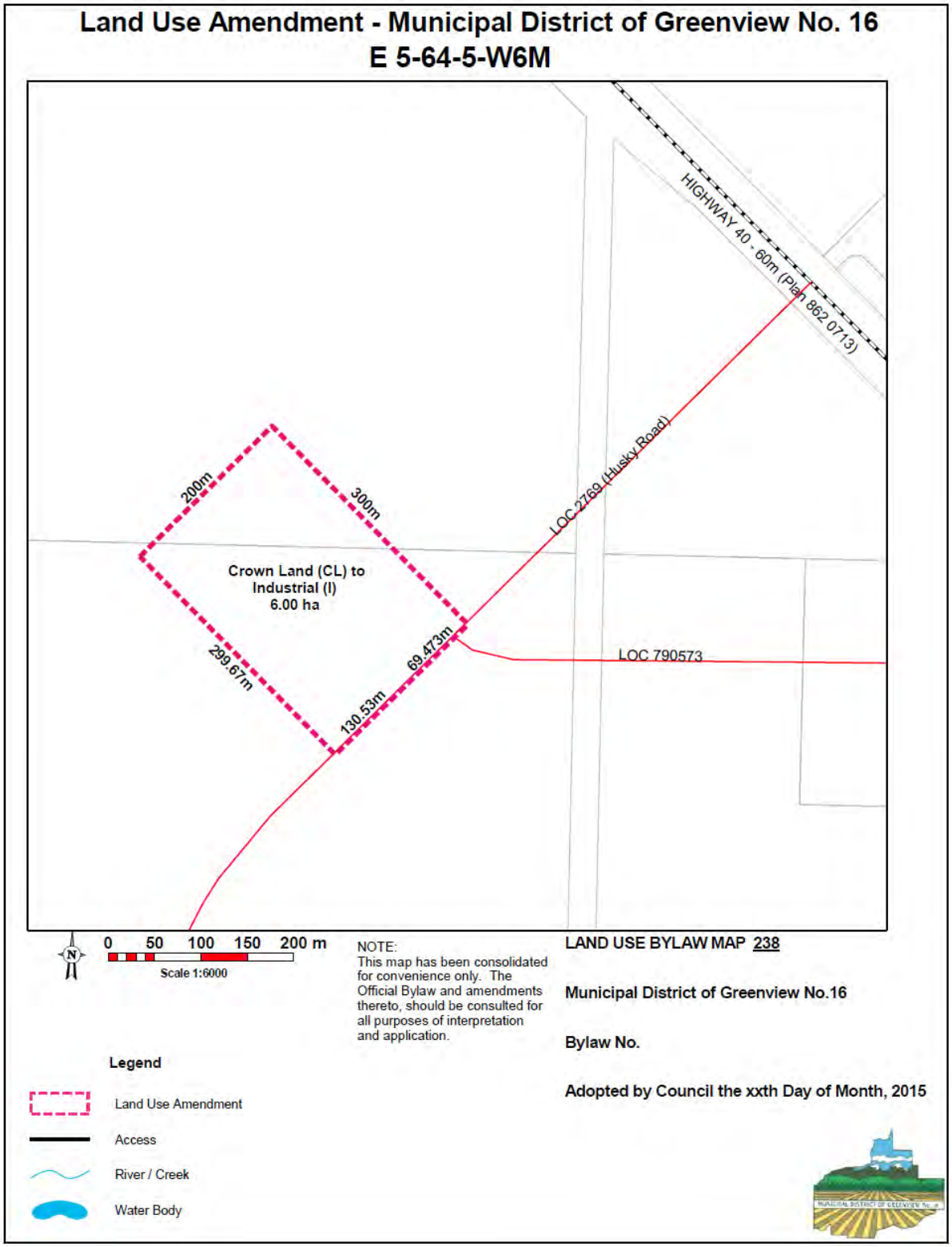
Date: June 4th, 2015 Applicant(s): Secure Energy Services

Date: _____ Registered Landowner(s): _____

NOTE: Registered Landowner(s) Signatures required if different from Applicant.

Any personal information that the Municipal District of Greenview may collect on this form is in compliance with Section 33 of the Freedom of Information and Protection of Privacy Act. The information collected is required for the purpose of carrying out an operating program or activity of the Municipality, in particular for the purpose of our Development program. If you have any questions about the collection please contact the Freedom of Information and Protection of Privacy Coordinator at 780-524-7600.

Schedule 'A' – Application and Sketch



Schedule 'A' – Application and Sketch

Land Use Amendment - Municipal District of Greenview No. 16
E 5-64-5-W6M

0 50 100 150 200 m

Scale 1:6000

NOTE:
This map has been consolidated for convenience only. The Official Bylaw and amendments thereto, should be consulted for all purposes of interpretation and application.

LAND USE BYLAW MAP 238

Municipal District of Greenview No.16

Bylaw No.

Adopted by Council the xxth Day of Month, 2015

Legend

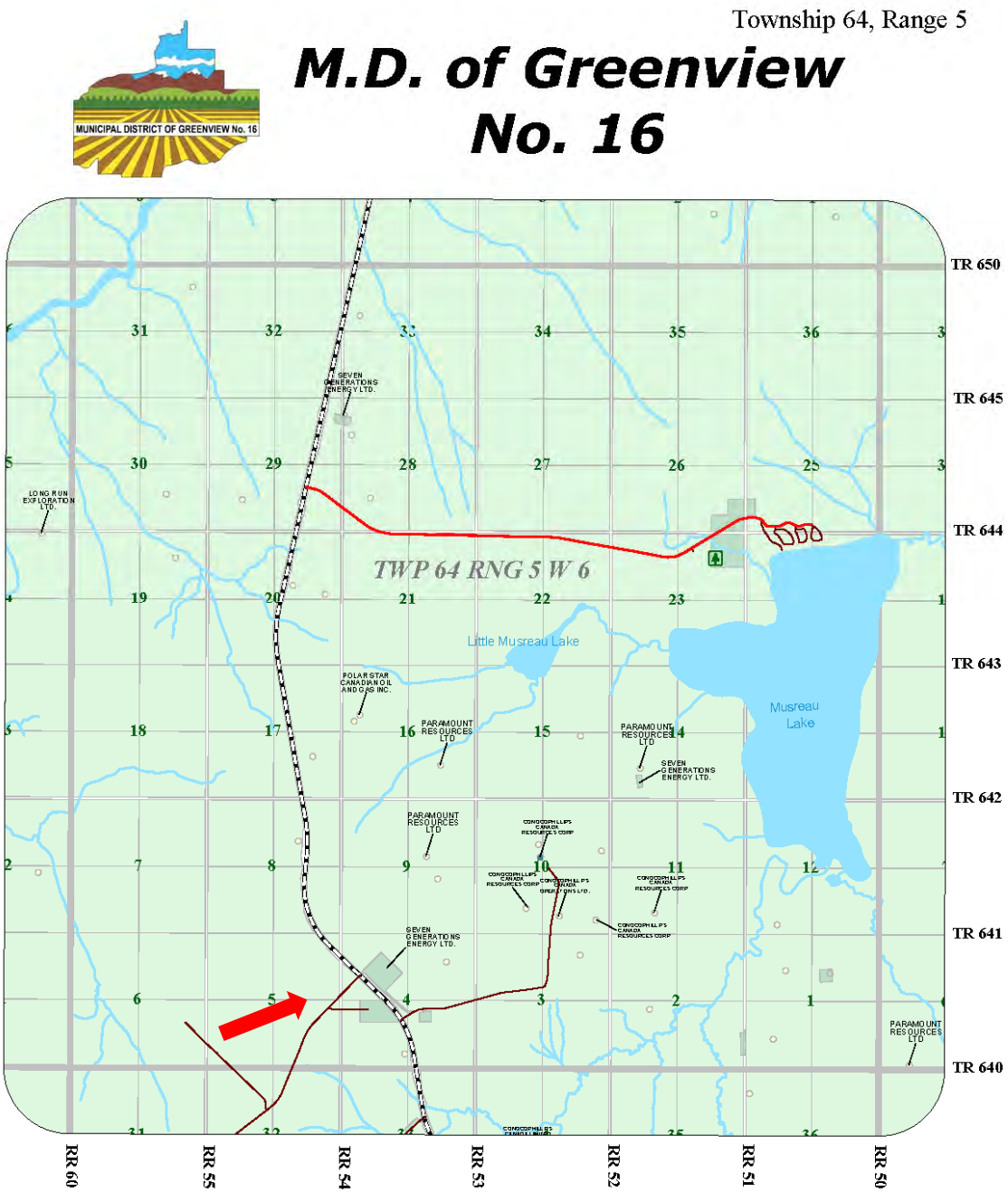
- Land Use Amendment
- Access
- River / Creek
- Water Body

Schedule 'B' – Owner Location Map

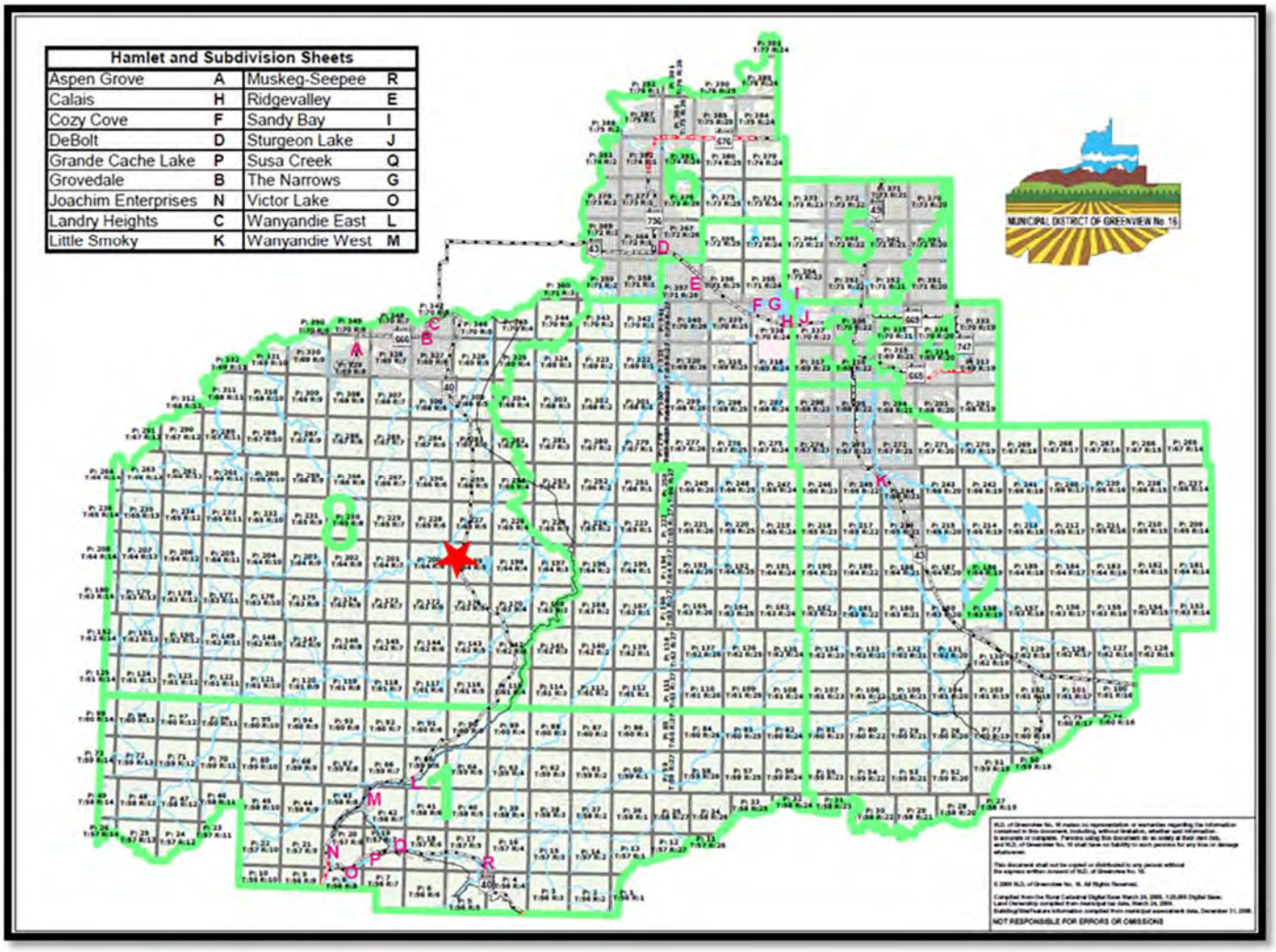
PROPOSED LAND USE AMENDMENT

FILE NO. A15-008 **LEGAL LOCATION: E-5-64-5-W6**

APPLICANT: SECURE ENERGY SERVICES **LANDOWNER: CROWN LAND**



Schedule 'B' – Owner Location Map



Schedule 'C' – Farmland Report and Map

PROPOSED LAND USE AMENDMENT

FILE NO. A15-008 **LEGAL LOCATION: E-5-64-5-W6**

APPLICANT: SECURE ENERGY SERVICES **LANDOWNER: CROWN LAND**

Not Applicable for this parcel

Schedule 'D' – Referral Responses

Alberta Transportation

Room 1401, 10320 - 99 St
GRANDE PRAIRIE AB T8V 6J4
Phone: (780) 538-5310
Fax: (780) 538-5384

June 17, 2015 Our File: 64-5-W6M

Municipal District of Greenview No. 16
Box 1079
4806 – 36th Avenue
Valleyview, AB T0H 3N0

Re: Proposed land use amendment
Crown Land to Industrial
Part of the E ½ 5-64-5-W6M HIGHWAY 40
Secure Energy Services Inc.

Your File: A15-008

Thank you for referring the above proposal to our office for review and comment.

The department does not typically support isolated industrial development along provincial highways, preferring instead to have development occur within established industrial parks or other urban industrial/commercial areas. However considering the nature of the proposal in this case, the department is willing to allow the proposed Land Use Amendment.

Alberta Transportation will require a Roadside Development application to be submitted to the department. Alberta Transportation will further assess the impact to the provincial highway network when a development application is received.

Yours truly,

Gerry Benoit
Planning and Development Technologist

From: LandInquiries@atcoelectric.com
To: Jenny Cornelsen
Subject: AEL2015-0758 - A15-008 Notice to Referral Agencies
Date: June 10, 2015 9:48:14 AM

Good Morning Jenny,

ATCO Electric has no comments or concerns with this application.

Thank you.

Rita Klasson
Land Administrator¦Land Administration
ATCO Electric ¦ **Distribution** ¦ **Forest & Lands Management**
18th Floor CWB ¦10303 Jasper Avenue, Edmonton, AB T5J 5C3
Phone: (780) 508-4688
Mailing Address:
ATCO Electric Ltd. 10035 C 105 Street, Edmonton, AB T5J 2V6
Attn: Rita Klasson - 18CWB
Please consider the environment before printing this e-mail

From: Rose, Colin
Sent: Tuesday, June 09, 2015 11:38 AM
To: @ Electric Land Inquiries
Cc: Warren, William
Subject: RE: AEL2015-0758 - A15-008 Notice to Referral Agencies

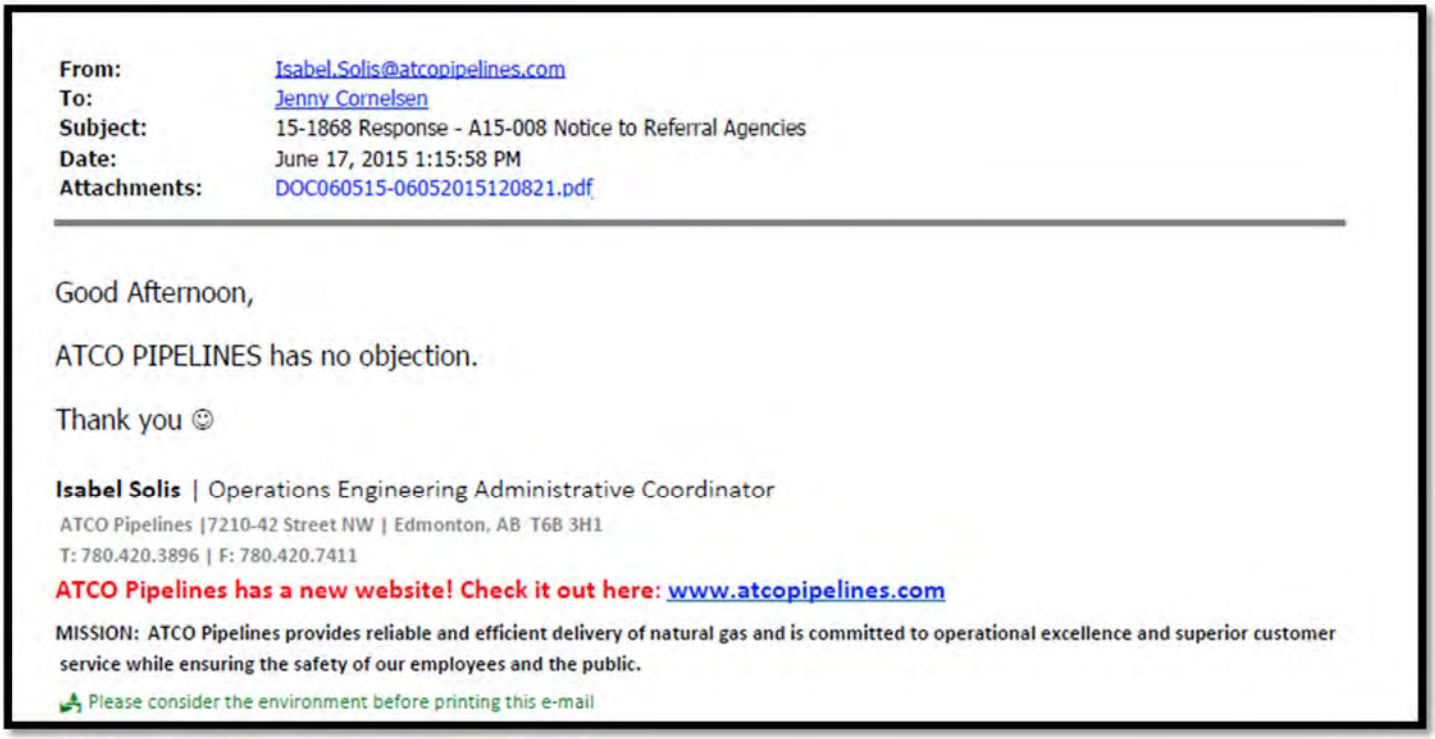
Hi Rita,

This application falls in crown land so we have no current interest.

Regards,

Colin Rose
Powerline Surveyor Team Lead (Calculator) | Engineering and Construction
ATCO Electric | Distribution Division
9602-123 Street | Grande Prairie, AB T8W 0J7
T. 780.830.7783 | F. 780.831.3036
E. colin.rose@atcoelectric.com
www.atcoelectric.com

Schedule 'D' – Referral Responses



From: Isabel.Solis@atcopipelines.com
To: Jenny Cornelsen
Subject: 15-1868 Response - A15-008 Notice to Referral Agencies
Date: June 17, 2015 1:15:58 PM
Attachments: DOC060515-06052015120821.pdf

Good Afternoon,

ATCO PIPELINES has no objection.

Thank you ☺

Isabel Solis | Operations Engineering Administrative Coordinator
ATCO Pipelines |7210-42 Street NW | Edmonton, AB T6B 3H1
T: 780.420.3896 | F: 780.420.7411
ATCO Pipelines has a new website! Check it out here: www.atcopipelines.com

MISSION: ATCO Pipelines provides reliable and efficient delivery of natural gas and is committed to operational excellence and superior customer service while ensuring the safety of our employees and the public.

Please consider the environment before printing this e-mail

BYLAW NO. 15-751

OF THE MUNICIPAL DISTRICT OF GREENVIEW NO. 16

A Bylaw of the Municipal District of Greenview No. 16, in the Province of Alberta, to amend Bylaw No. 03-396, being the Land Use Bylaw for the Municipal District of Greenview No. 16

PURSUANT TO Section 692 of the Municipal Government Act, being Chapter M-26, R.S.A. 2000, as Amended, the Council of the Municipal District of Greenview No. 16, duly assembled, enacts as follows:

1. That Map No. 238 in the Land Use Bylaw, being Bylaw No. 03-396, be added to reclassify the following area:

All that Portion of the
East (E) Half of Section Five (5)
Within Township Sixty-Four (64)
Range Five (5) West of the Sixth Meridian (W6M)

As identified on Schedule "A" attached.

This Bylaw shall come into force and effect upon the day of final passing.

Read a first time this 8th day of September , A.D., 2015.

Read a second time this 13th day of October, A.D., 2015.

Read a third time and passed this 13th day of October, A.D., 2015.

REEVE

CHIEF ADMINISTRATIVE OFFICER

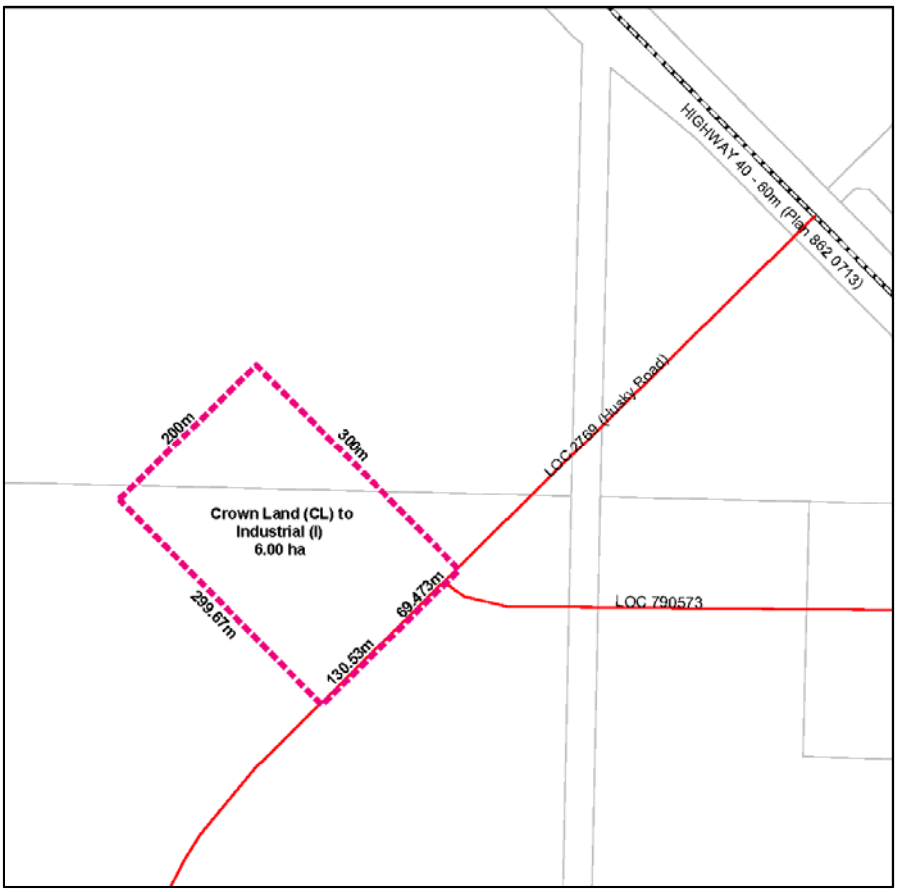
SCHEDULE "A"

To Bylaw No. 15-751

MUNICIPAL DISTRICT OF GREENVIEW NO. 16

All that Portion of the
East (E) Half of Section Five (5)
Within Township Sixty-Four (64)
Range Five (5) West of the Sixth Meridian (W6M)

Is reclassified from Crown Land (CL) District to Industrial (I) District as identified below:



REQUEST FOR DECISION

SUBJECT:	**Bylaw 15-752 on SW-11-72-2-W6**				
SUBMISSION TO:	REGULAR COUNCIL MEETING	REVIEWED AND		APPROVED FOR SUBMISSION	
MEETING DATE:	October 13, 2015	CAO:	MH	MANAGER:	SAR
DEPARTMENT:	INFRASTRUCTURE & PLANNING/PLANNING & DEVELOPMENT	GM:	INT	PRESENTER:	LJD
FILE NO./LEGAL:	A15-009 – SW-11-72-2-W6			LEGAL/ POLICY REVIEW:	INT
STRATEGIC PLAN:				FINANCIAL REVIEW:	

RELEVANT LEGISLATION:

Provincial (cite) – Municipal Government Act, Division 12, Bylaws, Regulations, Planning Bylaws 692 (1) - (9). In accordance with Section 692 of the Municipal Government Act (MGA), prior to giving Second Reading to a Bylaw, Council must hold a Public Hearing. Section 606 of MGA outlines the requirements for advertising, stating the Notice of the Bylaw must be published at least once a week for two consecutive weeks in at least one newspaper other publication circulating in the area to which the proposed bylaw relates and at least five days prior to the meeting, or mailed or delivered to every residence in the area to which the proposed Bylaw is to be held.

Council Bylaw / Policy (cite) – ***Municipal Development Plan Bylaw No. 03-397 December, 2003 (cite),*** Section 1, 1.2 Goals of the Plan, Section 3 Agriculture, 3.3 Better Agricultural Lands, and Section 6.3 Commercial Development.

MD of Greenview No. 16, Land Use Bylaw 03-397, December, 2003 (cite), Section 8, Amending this Bylaw, 8.1 Contents of Amendment Application, and 8.2 The Amendment Process.

RECOMMENDED ACTION:

MOTION: That Council give Second Reading to Bylaw No. 15-752 to re-designate the proposed 10.59 hectare ± (26.16 acre) area within SW-11-72-2-W6 from Industrial (I) District to Rural Commercial (RC) District.

MOTION: That Council give Third Reading to Bylaw No. 15-752 to re-designate the proposed 10.59 hectare ± (26.16 acre) area within SW-11-72-2-W6 from Industrial (I) District to Rural Commercial (RC) District.

PURPOSE:

Bylaw 15-752 is required for the re-designation of a proposed 10.59 hectare ± (26.16 acre) area within SW-11-72-2-W6 from Industrial (I) District to Rural Commercial (RC) District.

BACKGROUND / PROPOSAL:

The application was received from GR Klassen Brothers to rezone an irregular shaped 10.59 hectare ± (26.16 acre) area located in the Goodwin vicinity of Ward 6. The proposed area would expand the existing development of Trapper Gord's operation. The original permit had been to allow time to determine the success of Trapper Gord's. As the business was doing well, the existing Klassen Brother's office building would become part of the store and the future Klassen Brothers' office building would be developed on the Klassen Brother's property at a later date.

The legislative requirements for the Public Hearing have been fulfilled with notifications sent to the adjacent landowners and referral agencies, along with advertising taking place on the MD's website and in the Daily Herald Tribune in the September 23 and September 30, 2015 issues of their publication

Comments received from Alberta Environment and Parks stated that 'the referral indicated that the parcel was 'treed with a small wetland' and the wetland shall not be disturbed without proper authorization, and rationale for its destruction will have to be supplied indicating why avoidance is not possible. If approved, compensation/replacement of the lost wetland would need to abide by the new Wetland Policy'. ATCO Electric noted that an easement and caveat was already registered on title to protect their interests.

Alberta Transportation commented that a Traffic Impact Assessment may be required in the future to determine if any highway improvements are required, at no cost to the department. A Roadside Development Permit is required for any future development. Variance of Section 14 of the Subdivision and Development Regulations has been granted. Access to the proposed subdivision is via an existing service road and therefore satisfies Section 15 of the regulation. Further land use amendment or future subdivision within this quarter may require the development of an Area Structure Plan.

The Municipal Development Plan (MDP) supports the development of highway commercial and local commercial developments at appropriate locations.

Section 6.3.4 of the MD`s MDP states that Highway commercial development proposals will be evaluated according to the following:

a) Proximity to urban centres;
b) The type of commercial use proposed;
c) Suitability of the site in terms of soil stability, groundwater level and drainage;
d) Provisions for access and impacts on the transportation network; and
e) Conformity with relevant statutory plans and the Land Use Bylaw.

Therefore as outlined above, the current municipal legislation would permit the rural commercial use at the proposed location.

OPTIONS – BENEFITS / DISADVANTAGES:

Option 1 – That Council consider the information from the Public Hearing and grant Second and Third Readings by Bylaw No. 15-752.

Option 2 – That Council table Bylaw No. 15-752 for further discussion and/or information.

Option 3 – That Council consider the information from the Public Hearing and defeat Second Reading to Bylaw No. 15-752.

Benefits – Additional rural commercial will provide economic development and increased employment opportunities as well sustained growth in the surrounding rural area and nearby hamlet.

Disadvantages – Increased opportunity for conflicts with surrounding land uses.

COSTS / SOURCE OF FUNDING:

The application has been endorsed by the applicant and the appropriate fees have been received as required.

ATTACHMENT(S):

- Schedule 'A' – Application and Sketch
- Schedule 'B' – Location Map
- Schedule 'C' – Farmland Report
- Schedule 'D' – Referral Responses
- Schedule 'E' – Bylaw 15-752

Schedule 'A' – Application and Sketch

LAND USE AMENDMENT APPLICATION – FORM A

Municipal District of Greenview
4806 – 36 Avenue, Box 1079, Valleyview AB T0H 3N0
T 780.524.7600 F 780.524.4307 Toll Free 1.866.524.7608
www.mdgreenview.ab.ca

Rec'd June 4, 2015 gc

FOR ADMINISTRATIVE USE	
LUB MAP NO. 72	BYLAW NO.
APPLICATION NO.	A15-009
RECEIPT NO.	0133302
ROLL NO.	39765
RFLA RATING	

NAME OF APPLICANT(S)	NAME OF REGISTERED LANDOWNER(S) (Complete if Different from Applicant)
GR KLASSEN BROTHERS LTD	
ADDRESS Box 449	ADDRESS SAME
DEBOLT, AB	
POSTAL CODE T0H 1B0	POSTAL CODE
TELEPHONE (Res.) 780-957-3760 (Bus.) Cell 518-2246	TELEPHONE (Res.) (Bus.)
e-mail: Dave.klassen@klassenbrothers.com	

Legal description of the land affected by the proposed amendment

QTR./L.S.	SEC	TWP.	RG.	M.	OR	REGISTRATION PLAN NO.	BLOCK	LOT
SW	11	72	2	6				

Land Use Classification for Amendment Proposed:

FROM:	TO:
INDUSTRIAL	RURAL COMMERCIAL

Reasons Supporting Proposed Amendment:

To expand upon the existing development of Trapper Gord's Store.

Physical Characteristics:

Describe Topography:	Vegetation:	Soil:
Flat	Treed with Small Wetland land	Sand

Water Services:

Existing Source:	Proposed Water Source:
Well	

Sewage Services:

Existing Disposal:	Proposed Disposal:
Pumpout	

Approach(s) Information:

Existing:	Proposed:
Approaches in place	

[X] I / We have enclosed the required Application Fee of $ 800.00.

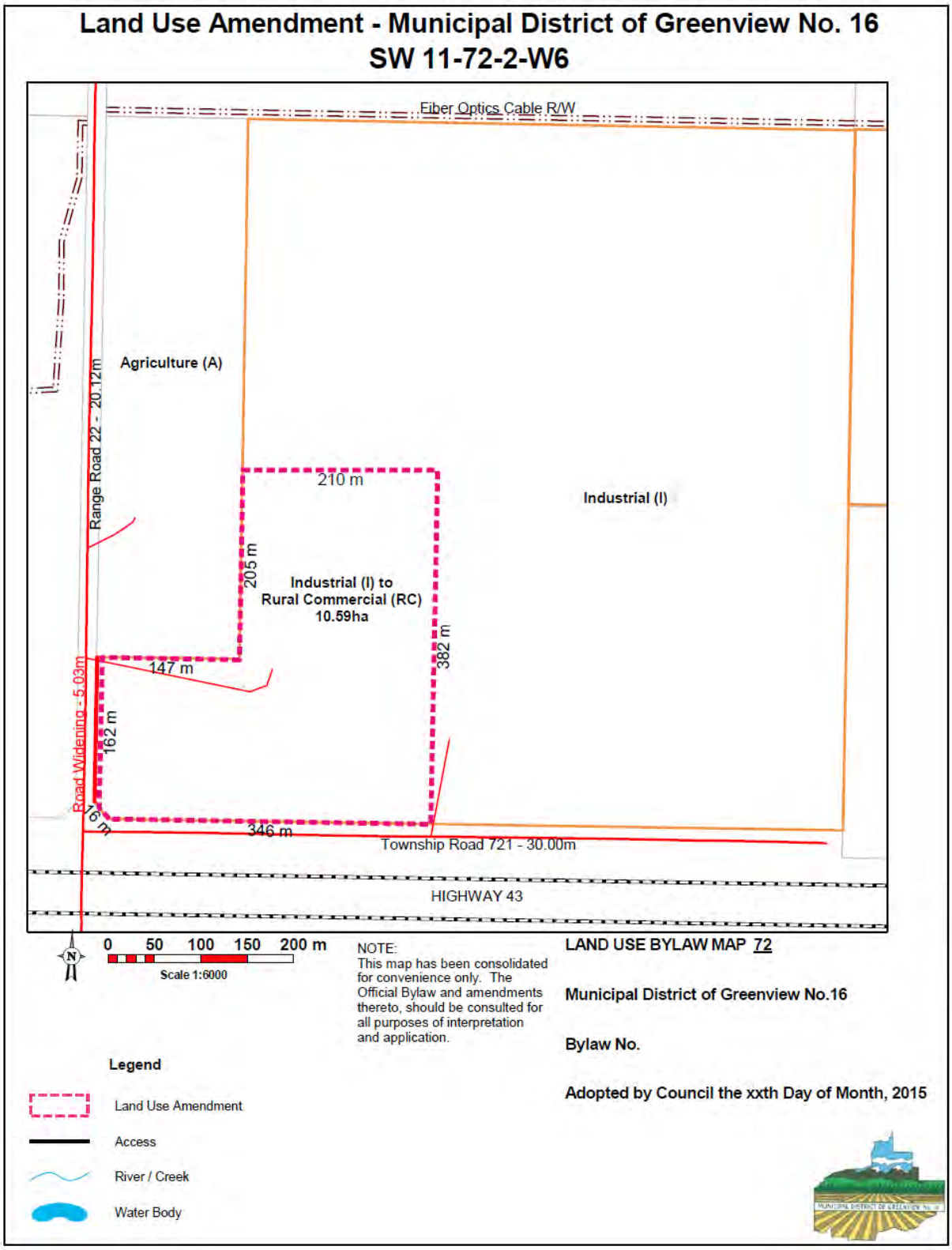
Date: June 4, 2015 Applicant(s):

Date: June 4, 2015 Registered Landowner(s):

NOTE: Registered Landowner(s) Signatures required if different from Applicant.

Any personal information that the Municipal District of Greenview may collect on this form is in compliance with Section 33 of the Freedom of Information and Protection of Privacy Act. The information collected is required for the purpose of carrying out an operating program or activity of the Municipality, in particular for the purpose of our Development program. If you have any questions about the collection please contact the Freedom of Information and Protection of Privacy Coordinator at 780-524-7600.

Schedule 'A' – Application and Sketch



Schedule 'A' – Application and Sketch

Land Use Amendment - Municipal District of Greenview No. 16
SW 11-72-2-W6

0 50 100 150 200 m

Scale 1:6000

NOTE:
This map has been consolidated for convenience only. The Official Bylaw and amendments thereto, should be consulted for all purposes of interpretation and application.

LAND USE BYLAW MAP 72

Municipal District of Greenview No.16

Bylaw No.

Adopted by Council the xxth Day of Month, 2015

Legend

- Land Use Amendment
- Access
- River / Creek
- Water Body

Schedule 'B' – Owner Location Map

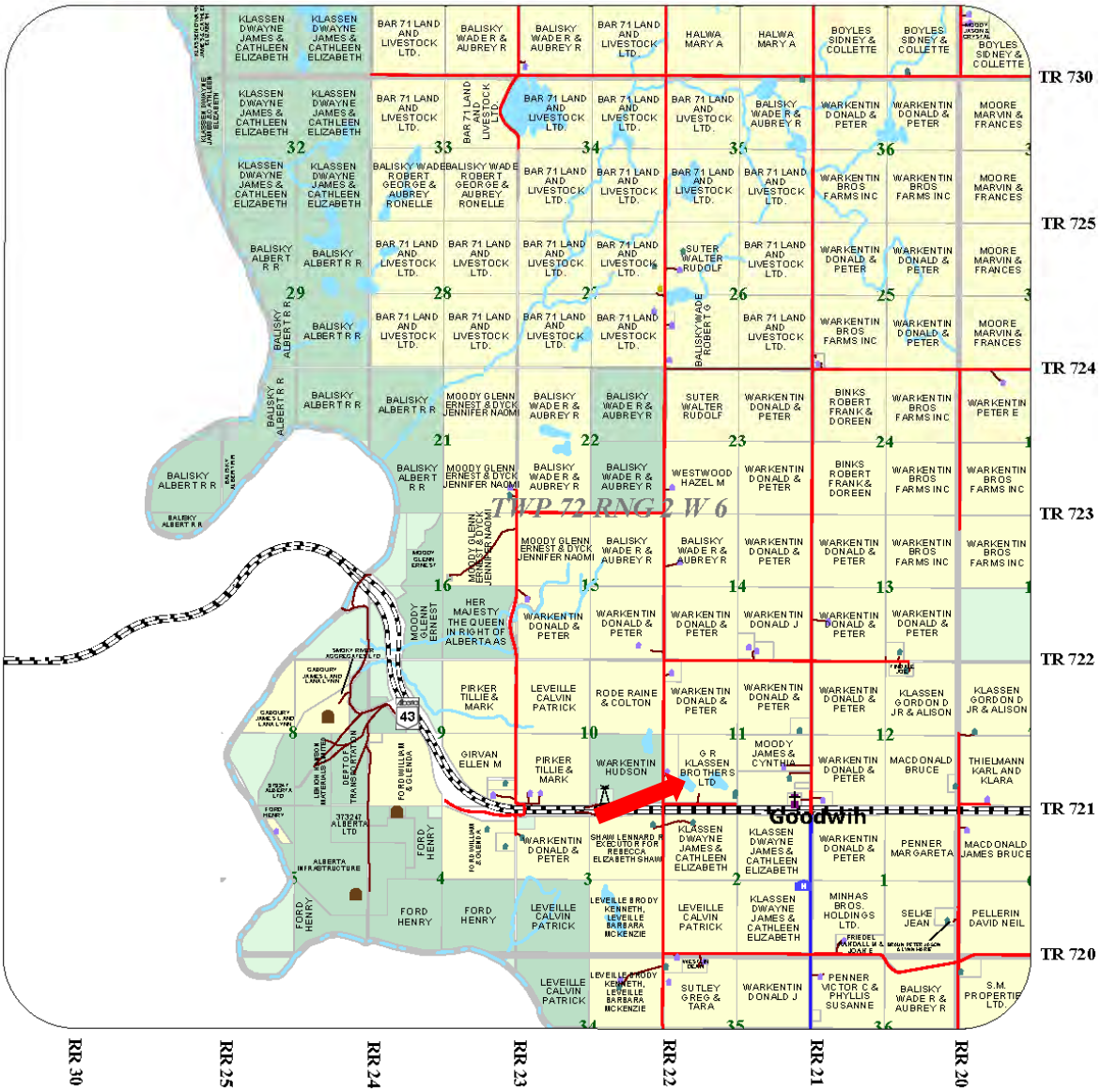
PROPOSED LAND USE AMENDMENT

FILE NO. A15-009 | **LEGAL LOCATION: SW-11-72-2-W6**

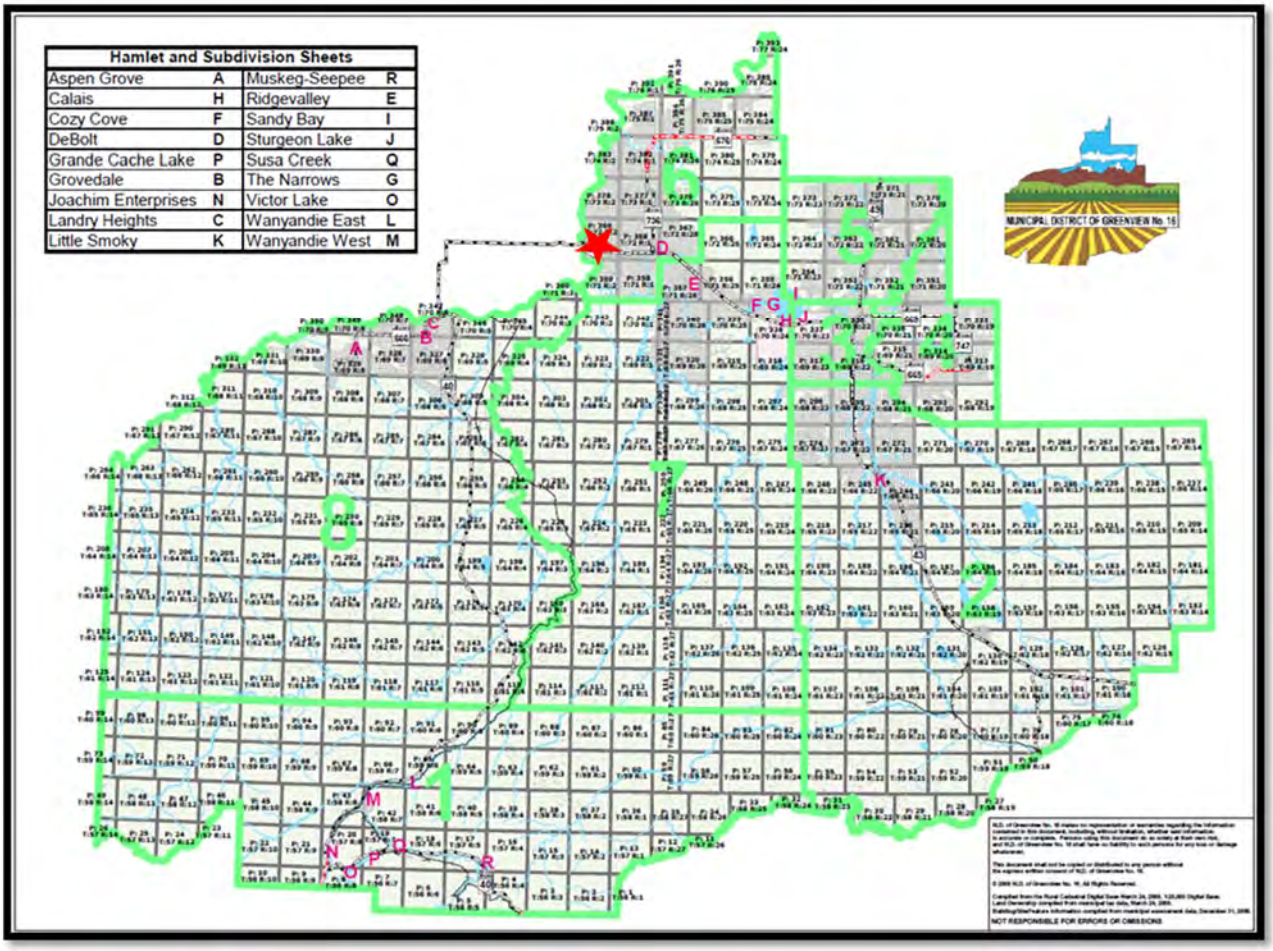
APPLICANT: GR KLASSEN BROTHERS | **LANDOWNER: GR KLASSEN BROTHERS**

Township 72, Range 2

M.D. of Greenview No. 16



Schedule 'B' – Owner Location Map



Schedule 'C' – Farmland Report and Map

PROPOSED LAND USE AMENDMENT

FILE NO. A15-009 **LEGAL LOCATION: SW-11-72-2-W6**

APPLICANT: GR KLASSEN BROTHERS **LANDOWNER: GR KLASSEN BROTHERS**

Farmland Calculation Report

Year of General Assessment: 2014

Roll:39765 **Alt. Key:** GRANDE PRAIRIE 27 miles 90%
Legal: SW-11-72-2-6 Access: 100%
Agroclimatic Zone: 21 2H-PR Photo:72021 Type: Net Location: 90%

No: 1 12.00 Acres Soil: 80 Pasture Dryland Pasture

			%Fld	NPR	ICP
10	Soil Group	53 DGL t-	50 100%	0.0	0.0
82	Improved	12 12 Ac/AU	50 100%	29.0	0.0
99	Description	22 Obstacles/Size	50 100%	0.0	0.0
				29.0	0.0

Group ID: 138033620 12.00 Acres x 350.0 Acres x 1.0000 x 29.0 %

No: 2 106.10 Acres Soil: 80 Pasture Dryland Pasture

			%Fld	NPR	ICP
81	Native	70 70 Ac/AU	50 100%	5.0	0.0
99	Description	2 Perm. Sls.	50 100%	0.0	0.0
99	Description	9 Trees	50 100%	0.0	0.0
				5.0	0.0

Group ID: 138033621 106.10 Acres x 350.0 Acres x 1.0000 x 5.0 %

Areas		Asmt Code		Areas	
Parcel:	128.10	300	100%	Arable Dry:	0.00
@ F/L Rates:	118.10			Arable Irr:	0.00
				Pasture Dry:	118.10
				Pasture Irr:	0.00
				Waste:	0.00

Schedule 'C' – Farmland Report and Map

Schedule D' – Referral Responses

Alberta Transportation

Rm 1401, 10320 - 99 St
GRANDE PRAIRIE, AB T8V 6J4
Phone: (780) 538-5310
Fax: (780) 538-5384

June 17, 2015 Our File: 72-2-6

Municipal District of Greenview No. 16
Box 1079, 4806 – 36th Avenue
Valleyview, AB T0H 3N0

Re: Proposed land use amendment I-Industrial to RC-Rural Commercial and Subsequent Subdivision
Part of the SW 11-72-2-W6M Highway 43
GR Klassen Brothers Ltd.
File: A15-009

Regarding the proposed land use amendment from I-Industrial to RC-Rural Commercial, the department does not typically support isolated commercial development, preferring instead to have development of this nature occur within established commercial areas where existing highway and municipal road networks can safely and efficiently support traffic generated from commercial developments. The municipality should be aware of possible consequences associated with the proposed land use amendment. A Traffic Impact Assessment (TIA) may be required in the future to determine if any highway improvements are required. Any improvements to the highway infrastructure and the TIA shall be completed at no cost to the department.

The proposed subdivision does not meet the requirements of Section 14 of the Subdivision and Development Regulation. However, considering the nature of the proposal the department grants variance to the requirements of Section 14. Access to the proposed subdivision is via an existing service road therefore satisfies Section 15 of the regulation. The department will require a Roadside Development Application to be submitted for any future development.

Further land use amendment or future subdivision within the SW 11-72-2-W6M may require the development of an Area Structure Plan.

Sincerely,

Gerry Benoit
Development and Planning Technologist

GB/gb

From: James Proudfoot
To: Jenny Cornelsen
Subject: RE: A15-009 Notice to Referral Agencies
Date: June 15, 2015 9:01:22 AM

The referral indicated that the parcel was "treed with a small wetland". The wetland shall not be disturbed without proper authorization, and rationale for its destruction will have to be supplied and indicate why avoidance is not possible. If approved, compensation/replacement of the lost wetland would need to abide by the new Wetland Policy.

In general, the act of subdividing land or rezoning it is not in itself a concern. However, the activities associated with development of and operations on the land must comply with existing legislation (*Water Act*). Excellence is the recommended standard.

Considerations:
-a *biophysical assessment* is recommended when the biological or physical nature of an area is not clearly understood. This should give specific attention to water and will facilitate sound decision making.
-the proposed land use shall respect and sustain area *water bodies*.
-a *buffer* (ER) is desirable to safe guard the aquatic habitat.
-the *riparian fringe* ought to be maintained in a natural state.
-*natural drainage* shall be maintained.
-an appropriate *setback* from top of bank is highly recommended to protect the water body (and property) from slope failure. (see Stepping Back from the Water document)
-any development that may cause drainage/flooding issues for neighbors and/or future landowners shall be avoided.
-activities impacting a water body may require an approval and an application ought to be submitted.
-*stormwater* shall be managed; release from property ought to be at predevelopment rates and address water quantity issues (ex. erosion) and quality issues (ex. siltation) so as not to result in an adverse effect.
-the construction of dugouts, borrow pits and/or stormwater ponds may require an approval
-the *Water Act* and associated legislation must be followed (including Codes of Practice).
-pertinent best management practices are recommended.

This list of concerns may not be complete and is based on current legislation and policy which may change in the future.
For legislation, education and guideline materials, go to: http://esrd.alberta.ca/water/default.aspx

Please call if you have any questions or require clarification on any issue or comment above.

James Proudfoot, Water Management Technologist, 780-538-8039
Peace Region, Alberta Environment and Sustainable Resource Development, Grande Prairie

Schedule 'D' – Referral Responses

From: LandInquiries@atcoelectric.com
To: Jenny Cornelsen
Subject: AEL2015-0784 - A15-009 Notice to Referral Agencies
Date: June 12, 2015 9:03:42 AM
Attachments: AEL2015-0784 - Mark-Up.pdf

Good Morning Jenny,

ATCO Electric Ltd. has received notification of proposed subdivision and wishes to advise that existing power line facilities will be impacted by this change.

ATCO Electric Ltd will be approaching the landowner for the purpose of acquiring a Power Line Right of Way on all facilities directly affected by this subdivision.

ATCO Electric Ltd will register the Power Line Right of Way on title, in the form of a caveat. Preparation, acquisition and registration of the caveat will be the sole responsibility of ATCO Electric Ltd. The landowner shall not be responsible for any costs related to the aforementioned process.

For your reference, please find attached sketch plan identifying power line Right of Way requirements.

Rita Klasson

Land Administrator|Land Administration
ATCO Electric ¦ **Distribution ¦ Forest & Lands Management**
18th Floor CWB ¦10303 Jasper Avenue, Edmonton, AB T5J 5C3
Phone: (780) 508-4688
Mailing Address:
ATCO Electric Ltd. 10035 C 105 Street, Edmonton, AB T5J 2V6
Attn: Rita Klasson - 18CWB

From: LandInquiries@atcoelectric.com
To: Jenny Cornelsen
Subject: AEL2015-0784 - A15-009 - GR Klassen Brothers Ltd.
Date: July 17, 2015 1:12:45 PM

Good Afternoon Jenny,

RE: SW 11-72-2-W6M – GR Klassen Brothers Ltd. Subdivision

Your File: A15-009

ATCO Electric Ltd. has obtained an easement and a caveat has been registered on title (Registration #152 213 007) to cover our interest regarding existing facilities on the lands.

If you have any further questions or require additional information, please do not hesitate to contact to me.

Rita Klasson

BYLAW NO. 15-752

OF THE MUNICIPAL DISTRICT OF GREENVIEW NO. 16

A Bylaw of the Municipal District of Greenview No. 16, in the Province of Alberta, to amend Bylaw No. 03-396, being the Land Use Bylaw for the Municipal District of Greenview No. 16

PURSUANT TO Section 692 of the Municipal Government Act, being Chapter M-26, R.S.A. 2000, as Amended, the Council of the Municipal District of Greenview No. 16, duly assembled, enacts as follows:

1. That Map No. 72 in the Land Use Bylaw, being Bylaw No. 03-396, be added to reclassify the following area:

All that Portion of the
Southwest (SW) Quarter of Section Eleven (11)
Within Township Seventy-Two (72)
Range Two (2) West of the Sixth Meridian (W6M)

As identified on Schedule "A" attached.

This Bylaw shall come into force and effect upon the day of final passing.

Read a first time this 8th day of September, A.D., 2015.

Read a second time this ___ day of _____ , A.D., 2015.

Read a third time and passed this ___ day of _____ , A.D., 2015.

REEVE

CHIEF ADMINISTRATIVE OFFICER

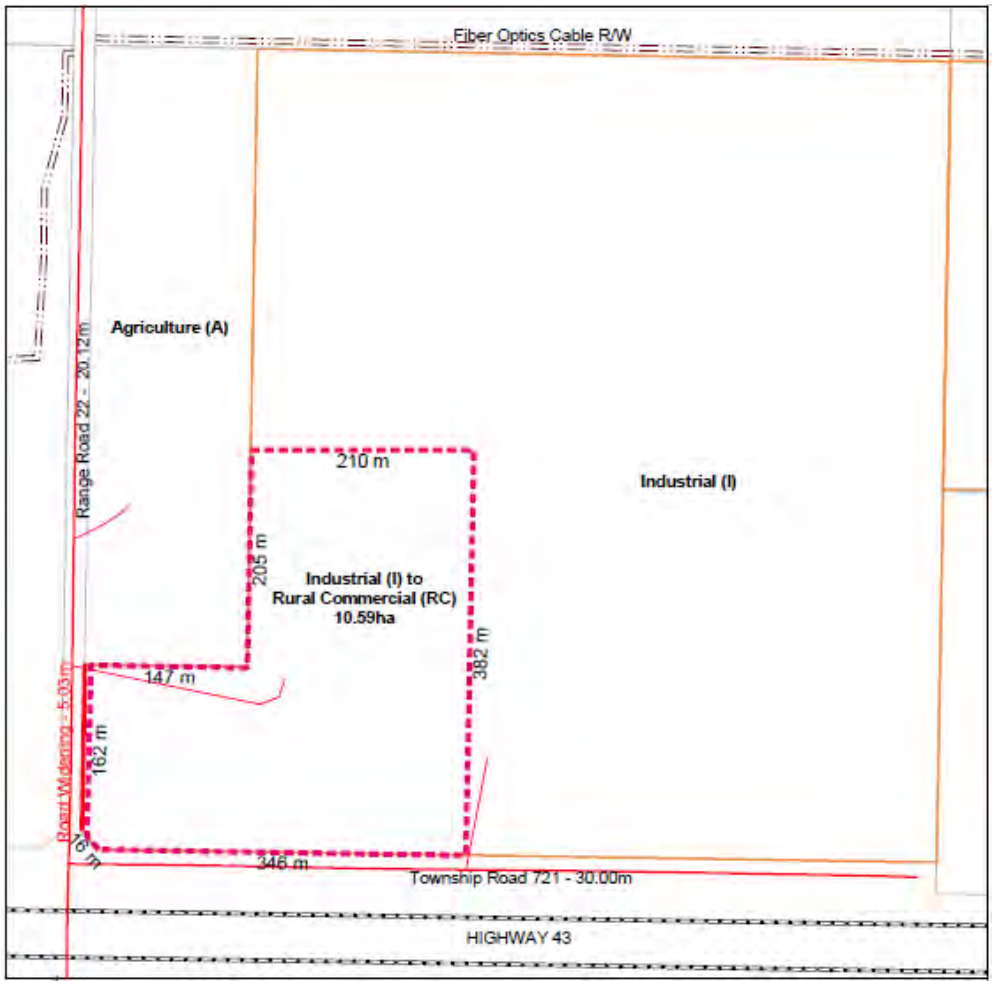
SCHEDULE "A"

To Bylaw No. 15-752

MUNICIPAL DISTRICT OF GREENVIEW NO. 16

All that Portion of the
Southwest (SW) Quarter of Section Eleven (11)
Within Township Seventy-Two (72)
Range Two (2) West of the Sixth Meridian (W6M)

Is reclassified from Industrial (I) District to Rural Commercial (RC) District as identified below:



REQUEST FOR DECISION

SUBJECT:	**Valleyview Regional Multiplex Tender Award**		
SUBMISSION TO:	REGULAR COUNCIL MEETING	REVIEWED AND APPROVED FOR SUBMISSION	
MEETING DATE:	October 13, 2015	CAO: MH	MANAGER: INT
DEPARTMENT:	COMMUNITY SERVICES	GM: DM	PRESENTER: DM
FILE NO./LEGAL:	N/A		LEGAL/ POLICY REVIEW: INT
STRATEGIC PLAN:			FINANCIAL REVIEW:

RELEVANT LEGISLATION:

Provincial (cite) – *N/A*

Council Bylaw / Policy (cite) – *N/A*

RECOMMENDED ACTION:

MOTION: That Council award the construction contract for the Valleyview Regional Multiplex project to Scott Builders upon successful negotiations with Administration whereby the total project cost does not exceed the $36,040,178.00 budgeted amount.

BACKGROUND / PROPOSAL:

The tenders for the construction of the multiplex were viewed and evaluated on October 6, 2015 by the Multiplex Project Manager and Administration from Greenview and the Town of Valleyview. Scott Builders was the lowest tender bid received ($32,379.970.00) and the evaluations substantiated that the company is reputable with sufficient means to facilitate the construction of a project of this magnitude.

The lowest construction bid received results in the estimate project costs being over the approved budget by approximately $2,264,000.00. In light of this the respective Administrations and Project Manager held discussions about potential ways of reducing the overall cost of the project. The resulting recommendations (attached) were provided to the Multiplex Committee at the October 7, 2015 Multiplex Committee Meeting.

Both Councils (Town of Valleyview and Greenview) are to review the Committee's recommendation, as per section 12.6 of the Multiplex agreement, whereby the Valleyview Multiplex Working Committee (VMWC) shall recommend a suitable construction firm to the respective Councils for approval.

Administration's presentation to the Valleyview Multiplex Working Committee included information that in order for the proposed construction timelines to be achieved the negotiations and awarding of the tender contract must be enacted upon immediately. Administration is requesting that they be given the authority to enter into an agreement with Scott Builders subject to the total project cost being within budget. The cost reduction strategies were shared with the VMWC for their consideration prior to the VMWC ratifying their recommendation as presented:

MOTION: 15.10.55 Moved by: Dale Gervais
That the Multiplex Committee recommend to the Town of Valleyview and Greenview Councils that the Valleyview and District Multiplex project be awarded to Scott Builders upon successful negotiations with Administration whereby the total project cost does not exceed the $36,040,178.00 budgeted amount.

CARRIED

Both Greenview and the Town of Valleyview have ratified a resolution in May of 2015 to approve additional funds that equates to the total project cost of $36,040,178.00.

Adding additional funds to the project budget is an option; however, the Administrations are recommending that the cost reduction strategy be followed prior to consideration of any additional funding.

OPTIONS – BENEFITS / DISADVANTAGES:

Options – Council has the option to award the construction contract to Scott Builders upon successful negotiations; deny the submitted contract tender; or, retender the project.

Benefits – The benefit of awarding the construction contract to Scott Builders upon Administration's successful negotiation to ensure the total project does not exceed the $36,040,178.00 total budget, is that the project will proceed within the projected timelines and the cost will remain within the total ratified multiplex budget amount.

Disadvantages – There are no perceived disadvantages to awarding the construction contract to Scott Builders upon Administration's successful negotiation to ensure the total project does not exceed the $36,040,178.00 total budget.

COSTS / SOURCE OF FUNDING:

N/A

ATTACHMENT(S):

- Valleyview Regional Recreational Facility Construction Tender Results
- Multiplex Budget
- Valleyview Multiplex Committee – Cost Reduction Strategy, presented October 7, 2015

RFT Closing Date: October 5, 2015

Valleyview Regional Recreational Facility Construction Tenders

Unofficial Results – for information only, does not constitute a tender award.

Company Name	Total Bid Price	Comments
SCOTT BUILDERS.	32,379,970	
GRAHAM CONSTRUCTION	32,998,000	
ELLIS DON	39,270,983	
BIRD CONSTRUCTION	42,040,000	

Note: prices do not include G.S.T.

We, the undersigned, having been present at the tender opening and having examined the tender documents, do hereby certify that the information as recorded above is correct.

Municipal District/Town of Valleyview Representative _____

Architectural Representative _____

Witness _____

10/8/2015

Valleyview Regional Recreation Facility
Total Hard and Soft Costs Estimated Budget

	Estimated Budget	Actual
Estimated construction cost 9/16/2015	$ 31,346,928.00	**$ 32,379,970.00**
ATB fees - contract		$ 1,540,000.00
ATB disbursements		$ 92,400.00
kitchen designer		$ 18,980.00
PM fees - contract		$ 258,860.00
RC Strategies		21000
Incurred Expenses to Date		101578.4
Subtotal	**$ 31,346,928.00**	**$ 34,412,788.40**
Other Construction Related costs not in Contract		
RJC extra structural fees	$ 40,000.00	$ 40,000.00
Roof inspection	$ 5,000.00	$ 5,000.00
Steel Inspection	$ 8,250.00	$ 8,250.00
pile inspections	$ 15,000.00	$ 15,000.00
soil inspection/ proctors /compactions	$ 30,000.00	$ 30,000.00
concrete testing	$ 35,000.00	$ 35,000.00
construction Contingency - 10%	$ 3,000,000.00	$ 1,942,798.00
Development /Building Permits	$ 130,000.00	$ 130,000.00
Pm services - extension	$ 160,000.00	$ 160,000.00
Gas Connection	$ 200,000.00	$ 200,000.00
Power Connection	$ 100,000.00	$ 100,000.00
Sewer	$ 250,000.00	$ 250,000.00
Soft Costs Not in Contract		
Child Play Structure	$ 200,000.00	$ 200,000.00
Sound Baffles	$ 80,000.00	$ 80,000.00
Sound Baffles Pool	$ 80,000.00	$ 80,000.00
Misc. Fridges	$ 5,000.00	$ 5,000.00
Storage Items, tables etc.	$ 75,000.00	$ 75,000.00
Telephone	$ 50,000.00	$ 50,000.00
Exercise Equipment	$ 450,000.00	$ 450,000.00
IT Data Racks / Switches	$ 75,000.00	$ 75,000.00
Subtotal	**$ 4,988,250.00**	**$ 3,891,048.00**
Overall total	**$ 36,335,178.00**	**$ 38,303,836.40**
Proposed Budget		**$ 36,040,178.00**
Budget Short Fall		**$ 2,263,658.40**

Multiplex
Request for Decision

Cost Reduction Strategy

Description	Cost
1. Negotiate with Scott Builders regarding their contracted bid.	?
2. Work with Atb and Scott Builders on design materials and evaluation.	$300,000.00
3. Consult with Scott Builders regarding crew accommodations.	?
4. Myrtha Pool vs. Concrete, consult with builder regarding possible cost savings.	$400,000.00
5. Delete the pylon sign from the project.	$200,000.00
6. Reduce the suggested exercise equipment budget.	$200,000.00
7. Delete the allotted funds for exterior signage and grass seeding.	$240,000.00
Total:	**$1,340,000.00**
Budget Shortfall:	**$2,263,658.40**
Reduction Strategy:	**$1,340,000.00**
Total:	**$923,658.40**

Additional Cost Reduction Strategy (not recommended)

8. Contact both Councils for additional funds.	
9. Delete the proposed Walking Track (not recommended by Administration).	**$1,700,000.00**
10. Delete the kitchen components (not recommended by Administration).	**$385,000.00**

REQUEST FOR DECISION

SUBJECT:	**NADC Bursary – Gary Cymbaluk**		
SUBMISSION TO:	REGULAR COUNCIL MEETING	REVIEWED AND APPROVED FOR SUBMISSION	
MEETING DATE:	October 13, 2015	CAO: MH	MANAGER: INT
DEPARTMENT:	COMMUNITY SERVICES	GM: DM	PRESENTER: DM
FILE NO./LEGAL:	N/A		LEGAL/ POLICY REVIEW: INT
STRATEGIC PLAN:			FINANCIAL REVIEW:

RELEVANT LEGISLATION:

Provincial (cite) – *N/A*

Council Bylaw / Policy (cite) – *N/A*

RECOMMENDED ACTION:

MOTION: That Council sponsor Gary Cymbaluk $12,000.00 in matching funds to the Northern Alberta Development Council (NADC) bursary for his third year in the program of Dentistry with the condition that the applicant commits to reside and perform dentistry work in Greenview for a three year term, with funds to come from the Greenview Bursary Fund.

BACKGROUND / PROPOSAL:

Gary Cymbaluk submitted a request for matched NADC funding in the amount of $12,000.00 from Greenview for his third year in the dentistry program. Gary Cymbaluk has completed two years under the NADC Bursary Program for dentistry with $12,000.00 sponsored by Greenview in each year for a total of $24,000.00 to date.

The NADC grants up to $12,000.00 per applicant annually in matched funds for the Dentistry Program. The applicants, if successful must sign a return service contract which commits the student to live and work in Northern Alberta upon graduation. The Northern Alberta boundary, according to NADC, runs along Grande Cache, Whitecourt, Athabasca, Bonnyville to St. Paul (map attached). Return service consists of a contract that commits the student to live and work in Northern Alberta for two months of return service for each $1,000.00 of total bursary support, for example: a combined $3,000.00 bursary has a return service commitment of 6 months. Greenview has not attached conditions to the previous two years of matched bursary funding, a total to date of $24,000.00. Greenview does have the option to add a return service commitment that will coincide with NADC. Administration is recommending to apply a return service commitment from Gary Cymbaluk to reside and perform dentistry work in Greenview for a three year term, a year of service for every year of matched funding provided. The agreement would contain a repayment option should Mr. Cymbaluk choose not to practice full-time in Greenview.

At this time Council has policies for sponsoring a Veterinarian Bursary and a Computer Technician Bursary. Council's 2015 Budget contains $12,000.00, to be used for Veterinary and IT Bursaries. At this point in time there is no policy

established for providing bursary funds for the dentistry program. Administration will be preparing a policy for Council's consideration regarding the distribution of the bursary funds to secondary students within Greenview.

OPTIONS – BENEFITS / DISADVANTAGES:

Options – Council has the option to approve Gary Cymbaluk's request for matching sponsorship funds with or without conditions, altered conditions, or deny the request for bursary funds.

Benefits – The benefit of sponsoring Gary Cymbaluk the requested $12,000.00 bursary as matching funds to the Northern Alberta Development Council (NADC) bursary for his third year in the program of Dentistry with conditions, is that Greenview may receive the benefit of securing a dentist to reside and perform dentistry work in Greenview for a three year term.

Disadvantages – There is no perceived disadvantage to providing Gary Cymbaluk the bursary funds with the condition of residing and working in Greenview for three years.

COSTS / SOURCE OF FUNDING:

The matching bursary funds for Mr. Gary Cymbaluk will come from the Greenview Bursary Fund.

ATTACHMENT(S):

- Email from Gary Cymbaluk
- NADC Map Classification of Northern Alberta
- NADC Student Eligibility
- CO 18 – Sponsoring for a Veterinarian Bursary
- CO 19 – Sponsoring for a Computer Technician Bursary

Teresa Marin

From: Gary Cymbaluk <gary.cymbaluk@gmail.com>
Sent: Wednesday, July 29, 2015 11:11 AM
To: Teresa Marin
Subject: NADC Dentistry Matching Bursury

Hello Teresa,

Hope things are going well and that the summer has been a good one.

I have completed two years under the Northern Alberta Development Councils (NADC) bursary program matched by the MD of Greenview. Again, the program provides financial resources to students who are willing to commit service time in northern Alberta.

The NADC will match up to $12,000 provided that there is a sponsor who will offer an equivalent monetary amount. The bursary corresponds to the number of years that the individual commits to serve in a specific northern region.

I would respectfully request that your council would consider sponsoring me for another year under this program. This would equate to $12,000 from your municipality.

I would appreciate your response at your earliest convenience. I am prepared to offer any additional information or clarifications that you require.

Thank you very much for your consideration of this request.

Kind regards,

Gary Cymbaluk

DDS 2017 Candidate

Peace River
Assumption
Fort Chipewyan
Rainbow Lake
High Level
John D'or Prairie
Fort Vermilion
La Crete
Athabasca River
Manning
Fort McMurray
Red Earth Creek
Grimshaw
Peace River
Fairview
Wabasca – Desmarais
Falher
Spirit River
Beaverlodge
High Prairie
Slave Lake
Grande Prairie
Valleyview
Lac La Biche
Swan Hills
Athabasca
Fox Creek
Cold Lake
Bonnyville
Whitecourt
Grande Cache
St. Paul
Saddle Lake
Edmonton
Red Deer
Calgary
Medicine Hat
Lethbridge
Northern Alberta Development Council

Student Eligibility

In addition to the criteria outlined for all of the NADC bursaries, student candidates **must** meet the following criteria:

- Have an arm's length relationship to the sponsor. This means that the student must not be related to the sponsor, and that the selection of the student is completed through impartial means.
- Commit to live and work in northern Alberta for a specified amount of time upon graduation **and** sign a return service contract
- Have reasonably good prospects for employment in northern Alberta after graduation

Please note the following:

- Students cannot receive both the NADC Bursary and the Partnerships Bursary during the same academic year

Sponsors can provide bursaries to a student for a number of years or can sponsor a number of bursaries in one year to different students. Selected students must complete a Bursary Partnerships Program Student Application. Sponsors will mail completed student applications with the completed Sponsor Request for Matching Funds form to the Northern Alberta Development Council office.

Return Service Commitment

Every student selected to receive a Partnerships Bursary must sign a return service contract. The contract commits the student to live and work in Northern Alberta for a specified amount of time upon graduation, based upon the total value of the bursary. Starting for the 2009/10 academic year, two months of return service is required for each $1000 of total bursary support. For example: A combined $3,000 bursary has a return service commitment of 6 months.

The Northern Alberta Development Council will follow up with students to monitor completion of return service. If students do not fulfill their return service, Alberta Enterprise and Advanced Education will require repayment of the Bursary Partnerships Program portion.

Please note that Alberta Advanced Education and Technology cannot recover funds on behalf of a sponsor if a student does not fulfill their return service obligation.

Northern Alberta Development Council

	M. D. OF GREENVIEW NO. 16 ***POLICY & PROCEDURES MANUAL***	Section: **COUNCIL**

POLICY NUMBER: CO 18

POLICY TITLE:	**SPONSORING FOR A VETERINARY BURSARY**	**Page 1 of 2**
Date Adopted by Council / Motion Number:		**11.05.292**

PURPOSE:

To provide financial assistance to students pursuing education in the veterinarian field as an initiative to recruit a veterinarian for the area.

POLICY:

The M.D. of Greenview will provide a bursary of up to $7,000 per year (to include any funding obtained through outside partners) , up to a maximum bursary of $21,000 per student enrolled full-time in a post-secondary Veterinarian Medicine program, specializing in Large Animal Health.

1. The M.D. will accept written applications from qualifying veterinarian students.

2. The M.D., with input from local veterinarian stakeholders, will select the student for funding. Students will be selected and bursary documents completed prior to the start of the post-secondary academic year (generally May to August).

3. To be eligible for the bursary the student must:
    - Be a resident of Alberta based on Students Finance Regulations
        - Priority consideration will be given to residents of the M.D. of Greenview, Town of Valleyview, Town of Fox Creek and Town of Grande Cache.
        - Secondary consideration will be given to residents of Northern Alberta
        - Third consideration will be given to residents of Alberta
    - Be enrolled full time in a post-secondary Veterinarian Medicine program and be specializing in Large Animal Health.
        - Preference will be given to veterinary students in their 3rd or greater year of study.
    - Commit to live and work as a veterinarian within the boundaries of the MD of Greenview or such other location as is specifically approved by the MD of Greenview at the request of the Student, for a specified amount of time upon graduation as set out in article 5 below.
    - While attending University, the student must commit to work between the end of the spring semester and the commencement of the fall semester (summer break), in a location approved by the sponsor in the M.D. of Greenview.

4. The bursary amount will be up to $7,000 per year (maximum of $3,500 for half an academic year of study), with the maximum total student award being up to $21,000.

5. The M.D. will prepare the return service contract for the bursary. One month of return service is required for each $500 of total bursary support. For example: A $5,000 bursary has a return service commitment of 10 months.

6. The M.D. will send the bursary directly to the student when written notification from Advanced Education confirms applicant's enrollment in program.

7. Annually the student, with the participating veterinarian, will submit follow up to the sponsor about their summer employment return service commitment.

8. In subsequent study years, the student will send confirmation of current enrollment to the sponsor.

9. Upon completion of studies the student will continue to update the sponsor about the status of their return service commitment.

(Original signed copy on file)
REEVE

C.A.O.

	M. D. OF GREENVIEW NO. 16 ***POLICY & PROCEDURES MANUAL***	Section: **COUNCIL**

POLICY NUMBER: CO 19

POLICY TITLE: SPONSORING FOR A COMPUTER TECHNOLOGY BURSARY **Page 1 of 2**

Date Adopted by Council / Motion Number: **11.05.292**

PURPOSE:

To provide financial assistance to students pursuing education in the computer technology field as an initiative to recruit a computer technician for the area.

POLICY:

The M.D. of Greenview will provide a bursary of $7,000 per year up to a maximum bursary of $14,000 per student enrolled full-time in a post-secondary Computer Technology program.

1. The M.D. will accept written applications from qualifying computer technology students.

2. The M.D. will select the student for funding. Students will be selected and bursary documents completed prior to the start of the post-secondary academic year (generally May to August).

3. To be eligible for the bursary the student must:
   - Be a resident of Alberta based on Students Finance Regulations
     - Priority consideration will be given to residents of the M.D. of Greenview, Town of Valleyview, Town of Fox Creek and Town of Grande Cache.
     - Secondary consideration will be given to residents of Northern Alberta
     - Third consideration will be given to residents of Alberta
   - Be enrolled full time in a post-secondary computer technology program.
   - Commit to live and work for the M.D. of Greenview for a specified amount of time upon graduation as set out in article 5 below.
   - While attending University, the student must commit to work between the end of the spring semester and the commencement of the fall semester (summer break) in a location approved by the sponsor in the M.D. of Greenview.

4. The bursary amount will be $7,000 per year (maximum of $3,500 for half an academic year of study), with the total student award being up to $14,000, inclusive of bursary funds provided by NADC.

5. The M.D. will prepare the return service contract for the bursary. One month of return service is required for each $500 of total bursary support. For example: A $5,000 bursary has a return service commitment of 10 months.

POLICY TITLE:	**SPONSORING FOR A COMPUTER TECHNOLOGY BURSARY**
	Page 2 of 2
Date Adopted by Council / Motion Number:	**11.05.292**

6. The M.D. will send the bursary directly to the student when written notification from Advanced Education confirms applicant's enrollment in program.

7. Annually the student will submit follow up to the sponsor about their summer employment return service commitment.

8. In subsequent study years, the student will send confirmation of current enrollment to the sponsor.

(Original signed copy on file)
REEVE

C.A.O.

REQUEST FOR DECISION

SUBJECT:	**Valleyview Enhancement Society - 2015 Christmas Gala Sponsorship**				
SUBMISSION TO:	REGULAR COUNCIL MEETING	REVIEWED AND APPROVED FOR SUBMISSION			
MEETING DATE:	October 13, 2015	CAO:	MH	MANAGER:	INT
DEPARTMENT:	COMMUNITY SERVICES	GM:	DM	PRESENTER:	DM
FILE NO./LEGAL:	N/A			LEGAL/ POLICY REVIEW:	INT
STRATEGIC PLAN:				FINANCIAL REVIEW:	

RELEVANT LEGISLATION:

Provincial (cite) – *N/A*

Council Bylaw / Policy (cite) – *N/A*

RECOMMENDED ACTION:

MOTION: That Council approve sponsorship in the amount of $1,000.00 to the Valleyview Enhancement Society for the November 21, 2015 Christmas Gala, at the Memorial Hall in Valleyview, with funds to come from the Community Service Miscellaneous Grant.

BACKGROUND / PROPOSAL:

The Valleyview Enhancement Society, a non-profit organization formed with a purpose of enhancing the community, has submitted a sponsorship request for the 2015 Christmas Gala, a fundraising event that will be held on November 21, 2015 at the Memorial Hall in Valleyview.

The group was involved in the Valleyview Skate Park project and are currently into the planning stages of development enhancements at the Valleyview Trout Pond. The planned enhancements to the Trout Pond include the addition of picnic tables, benches, fire pits, garbage cans and recycle bins. Upgrades to the gazebo, community gas fire pit and playground area are also intended plans for the Trout Pond.

Greenview has provided $1,000.00 VIP Sponsorship to the Valleyview Enhancement Society to support the 2013 Fun Casino Christmas Gala fundraising event. Additionally, Greenview donated an item to the Valleyview Enhancement Society for their fundraising event in 2014.

Administration is recommending sponsorship equivalent to that provided in 2013 for the Fun Casino Christmas Gala fundraising event. The sponsorship will provide Greenview with advertising and reserved tickets for a table seating of eight (8).

The Community Service Miscellaneous Grant has a balance of $60,124.36 as of October 12, 2015.

OPTIONS – BENEFITS / DISADVANTAGES:

Options – Council has the option to provide an alternate sponsorship amount, include a silent auction prize or accept the request for information.

Benefits – The benefit of providing sponsorship to the Valleyview Enhancement Society for the 2015 Christmas Gala is that the funds may assist them with their project initiatives.

Disadvantages – There are no perceived disadvantages to providing the Valleyview Enhancement Society with sponsorship funds.

COSTS / SOURCE OF FUNDING:

The $1,000.00 sponsorship fund for the Valleyview Enhancement Society will come from the Community Service Miscellaneous Grant.

ATTACHMENT(S):

- Valleyview Enhancement Society – Sponsorship Request

Valleyview Enhancement Society

PRESENTS

2015 CHRISTMAS GALA

November 21st, 2015

The Valleyview Enhancement Society is a non-profit organization that has brought unique ideas to our town and area, for entertainment and fundraising that helps us to enhance our community!

Our last project was the Skate Park, we have recently moved on to order Christmas decorations to expand on the Recreation Departments display at Legion Park. We are also well into planning for development at the Valleyview Trout Pond. We will be adding furnishings to the area, including picnic tables, benches, fire pits, garbage cans, recycle bins, upgrades to the gazebo, community gas fire pit, and playground area. This area will be a free area for anyone in, around or passing through the community. We are very excited about this project and look forward to updating you on our progress in the future.

It is with great pleasure that at this year's gala we will be featuring "Uptown Entertainment". This is a high energy, exciting band from Alberta that will play a different era of music at each set. We will be once again serving our guests, delicious food and drinks throughout the evening.

We would greatly appreciate your support in the form of monetary sponsorship.

$1000+ Sponsorship – Receive 8 Reserved Seating tickets and advertising as an event sponsor

$500+ Sponsorship – Receive 4 Reserved Seating tickets and advertising as an event Sponsor

Any Monetary Amount – Advertising as an event Sponsor

We also need Silent Auction Prizes. Our Silent Auction is one of our biggest fundraisers. You will be recognized in our local paper as well as throughout our Gala event. Thank you so much for your consideration.

On behalf of the VES ~ Christine Landry & Tammy Wathen

780-552-6155 780-552-6034

Valleyview Enhancement Society Box 2702 Valleyview, AB T0H 3N0 Contact Christine (780)552-6155

REQUEST FOR DECISION

SUBJECT:	**Golf Tournament Report**		
SUBMISSION TO:	REGULAR COUNCIL MEETING	REVIEWED AND APPROVED FOR SUBMISSION	
MEETING DATE:	October 13, 2015	CAO: MH	MANAGER: INT
DEPARTMENT:	CAO SERVICES	GM: INT	PRESENTER: DC
FILE NO./LEGAL:	N/A		LEGAL/ POLICY REVIEW: INT
STRATEGIC PLAN:			FINANCIAL REVIEW:

RELEVANT LEGISLATION:

Provincial (cite) – N/A
Council Bylaw / Policy (cite) – N/A

RECOMMENDED ACTION:

MOTION: That Council accept the report regarding the 2015 Greenview Memorial Golf Tournament for information.

BACKGROUND / PROPOSAL:

On June 12, 2015 Greenview hosted the 15th Annual Greenview Memorial Golf Tournament at the Grovedale Golf and Country Club which raised over $18,000 for the Caribou Child and Youth Centre and the Grande Prairie Red Cross Home Equipment Loan Program. Including pledges that were made directly to the charities the total funds raised at the tournament were $18,386.00.

The tournament was impacted by inclement weather conditions, with 54 golfers out of an original 68 registered braving the elements for an enjoyable event. Golfers included two Greenview Councillors and six Greenview Staff Ambassadors. Comments from attendees were that this year's tournament was one of the best organized that they have attended and that the strong community participation in both the tournament and the banquet afterwards are a distinct reflection of the culture that Greenview represents. For out of town guests, a group accommodation rate was arranged with Best Western Hotel & Suites, Grande Prairie. A courtesy shuttle was provided by Peace Wapiti School Division.

To boost attendance, some recommendations for next year's event are to offer an opportunity for non-golfers to participate in local tourism (e.g. hiking, museum or other attraction visits) in conjunction with the tournament. This event would have separate registration costs. All attendees would then join the evening banquet. Another suggestion for Council's consideration is that each golf team have a committed Greenview representative, with attendees throughout Council and management maximizing the public relations opportunity for the event.

With this year's tournament we reinstated a nominal registration fee of $80 which included green fees, cart and golf club rentals, lunch and a steak supper. The value of the 2015 registration package was approximately $125. Sponsors who donated $1,000 or more were eligible for a free team of four players. Registration fees added $2,880 to the funds raised for the charities.

Several levels of sponsorship were available (see attachment), from $500 hole sponsorships to $2,500 for the first hole and larger sponsorship opportunities for food and beverages. The committee contacted potential sponsors with a letter and sponsorship package. This year's sponsors fell within the $500 to $1,000 range. The sponsorship levels were similar to 2014, with the absence of a primary corporate sponsor. In 2014 Opus Stewart Weir provided registration packages, beverage sponsorship and a $2000 donation.

For the 2015 tournament we also coordinated direct pledges to each charity which included $1,225 in donations for the Caribou Centre and $520 to the Red Cross. In working with each charity, their goals for the tournament were distinct: the Caribou Centre was building local awareness and potential fundraising, while the Red Cross wished to thank existing donors and raise awareness of local programs. Each organization extended their thanks to Greenview for being selected for the 2015 event. To simplify the administrative tasks associated with the tournament in 2016, we recommend selecting a single non-profit organization.

The silent auction raised $1,600. Council may consider hosting another form of auction/fundraiser with next year's event since the silent auction in recent years has not drawn a lot of attention, with prizes often going for prices that are near the minimum bids. To ensure there were a variety of prizes, Greenview donated four prizes to the silent auction, primarily from MD merchandise. The main prize donated by the MD was a Samsung Tablet purchased at cost from South Peace Communications for $440.00.

Details on the sponsors and winners are included in the attachment.

OPTIONS – BENEFITS / DISADVANTAGES:

Options – N/A
Benefits – N/A
Disadvantages – N/A

COSTS / SOURCE OF FUNDING:

Greenview fully funded this year's tournament, at a cost of $15,503.00. The total budgeted amount for the tournament was $15,750 within Council's Hospitality and Public Relations budget.

ATTACHMENT:

1) Donor List and Prize Winners

2015 Golf Tournament Sponsors, Prize Donors and Winners

Sponsors:

- WSP $1,250
- ATB Financial $1,000
- Chevron $1,000
- Enbridge $1,000
- Encana $1,000
- Opus Stewart Weir $1,000
- AAG $500
- Big Lakes County $500
- Roy Northern Land $500
- Perron Ventures $500
- SamEng $500
- Gerwatowski Holdings $250
- Anonymous $100
- Hole in One Sponsorship was provided by Brandt/John Deere.

Silent Auction Prize Donors:

- WSP
- Wayne Drysdale, Grande Prairie-Wapiti MLA
- Tiger Calcium Services
- Pembina
- AMEC Foster Wheeler
- Brandt/John Deere
- ARC Resources
- Rocky Mountain Phoenix
- Grande Prairie Regional Tourism Association

Hole Prizes

Donated by RMRF and Greenview

Winners:

- Sheila McNaughton – Women's Longest Drive
- Mike Levesque – Men's Longest Drive
- Tom Burton – Snake
- Ken Mathews & Jeff Lloyd – Water Draws

Team Prizes

Donated by Greenview

Winners:

High Score: Rosemary Offrey, Sean Barrett, Carol Zukiwski, Brad Dean

Low Score: Travis Severyn, Paul Ringrose, Garret Grant, Greg Rantala

50/50 Prize:

Winner Chris Miles generously donated $343 of the $543 prize to the fundraiser.

REQUEST FOR DECISION

SUBJECT:	**Geothermal Study**		
SUBMISSION TO:	REGULAR COUNCIL MEETING	REVIEWED AND APPROVED FOR SUBMISSION	
MEETING DATE:	October 13, 2015	CAO: MH	MANAGER: INT
DEPARTMENT:	CAO SERVICES	GM: INT	PRESENTER: MH
FILE NO./LEGAL:	File Number,Legal or N/A.		LEGAL/ POLICY REVIEW: INT
STRATEGIC PLAN:			FINANCIAL REVIEW:

RELEVANT LEGISLATION:

Provincial (cite) – *NA*

Council Bylaw / Policy (cite) – *NA*

RECOMMENDED ACTION:

MOTION: That Council provide $20,000.00 from the 2015 Economic Development Budget to assist with the proposed study regarding geothermal energy production.

BACKGROUND / PROPOSAL:

Geothermal energy production refers to harnessing the latent heat of the earth to provide fuel for human activity. Currently, the installed capacity of geothermal-fueled electricity is ~12 GW(e), with an additional ~30 GW(e) under development. Despite a large and fairly well-understood geothermal resource base, Canada is one of the only developed nations in the world that is not harnessing its geothermal energy, either for direct use of the heat, or for electricity generation.

A research team from the University of Alberta is undertaking a project to map some of the top geothermal sites in Alberta. The purpose of the project is to provide detailed information to the geothermal exploration and development industry regarding the commercial viability of developing these sites.

The team is looking to develop a number of assets for different sites including: (1) A static geologic model depicting the regional setting of the reservoirs, (2) a volumetric calculation of the total energy content (in GWh) available in the reservoir and (3) a simulation determining the probability of producing a range of power (in MW) from the reservoir. In addition to these technical models, they will also investigate the financial, social, environmental and regulatory issues related to developing these sites. The goal is to generate a centralized, comprehensive data set upon which developers, financiers, legislators, and support industries can draw in order to move geothermal energy projects in Alberta forward to commercial electricity production.

In partnership with Alberta Innovates, Energy and Environment Solutions (AI-EES), the project is a 1-year study costing approximately $191,000.00. The team is looking for local stakeholders and private industries to help finance this

project. All contributions to the project are eligible for dollar-for-dollar matching from AI-EES. Municipal partners already include the Town of Hinton, Clearwater County, County of Grande Prairie, and City of Grande Prairie. Each of the respective municipal partners has contributed $20,000.00.

The reservoirs being looked at are:

ALBERTA GEOTHERMAL ELECTRICITY PROJECTS

Reservoir	Location	Temp	Depth
Lower Mannville	Hinton/Edson	110 - 130 ° C	< 4000 m
Banff Formation	Hinton/Edson	120 - 150 °C	< 4500 m
Wabamum Group	Grand Prairie	100 - 120 °C	< 3500 m
Nisku Formation	Hinton/Edson	110 - 130°C	< 4000 m
Leduc Formation	Grand Prairie	110 - 130 ° C	< 3750 m
Swan Hills/Slave Point	Hinton/Edson	120 - 140 °C	< 5000 m
Granite Wash	Grand Prairie	120 -140 °C	< 4500 m
Basal Sandstone	Hinton/Edson	160 - 180 °C	< 5500 m
Basal Sandstone	Rocky Mountain House	110 - 130 ° C	< 4000 m
Basal Sandstone	Red Deer	100 - 120 °C	< 4000 m

Some of these may extend into Greenview near the Grande Cache area. These particular reservoirs were selected because of their physical characteristics and proximity to populated areas.

Administration is recommending that Greenview support the project as a partner. If such an industry proves commercially viable, there could be a very positive impact on Greenview's future economic diversification given the presence of a large amount of deep wells within the municipal district. As energy is always in demand, the ability to access energy will be vital to any future commercial, industrial, or residential developments.

Funding allotted to this project would be taken from the 2015 Economic Development Budget.

OPTIONS – BENEFITS / DISADVANTAGES:

Options – Council may choose to provide the recommended amount of funding, or any other amount Council deems appropriate; Council may choose not to provide funding for the project.

Benefits – Administration feels that this type of project is in line with Council's Economic Development aims and could assist in future development of industry within Greenview.

Disadvantages – There is no guarantee that this study will yield value for Greenview. Administration feels that the small investment is worth the risk and that such a study is likely to prove valuable for Greenview and the broader region(s).

COSTS / SOURCE OF FUNDING:

Funding of this project would come from the 2015 Economic Development Budget.

ATTACHMENT(S):

None.

REQUEST FOR DECISION

SUBJECT:	**Fox Creek Development Site Study**		
SUBMISSION TO:	REGULAR COUNCIL MEETING	REVIEWED AND APPROVED FOR SUBMISSION	
MEETING DATE:	October 13, 2015	CAO: MH	MANAGER: INT
DEPARTMENT:	CAO SERVICES	GM: INT	PRESENTER: MH
FILE NO./LEGAL:	File Number,Legal or N/A.		LEGAL/ POLICY REVIEW: INT
STRATEGIC PLAN:			FINANCIAL REVIEW:

RELEVANT LEGISLATION:

Provincial (cite) – *NA*

Council Bylaw / Policy (cite) – *NA*

RECOMMENDED ACTION:

MOTION: That Council select ParioPlan to undertake the Fox Creek Potential Development Site Study for a cost of $89,908.54.

BACKGROUND / PROPOSAL:

As part of the approved 2015 budget, Council approved $250,000.00 for a study to determine potential development sites in the Fox Creek area. This was done as part of a strategic initiative to increase Greenview's permanent population and diversify the assessment base.

Administration posted a Request for Proposals (RFP) to seek firms willing to undertake the study. The RFP is attached for Council's information and was advertised so as to meet the requirements of the New West Partnership Trade Agreement. As per Council policy, all RFPs are awarded by Council.

Two bids were received by the October 5th closing date. Both bids are attached for Council's information as well as the evaluation form scoring the two proposals. Both proponents submitted valid proposals meeting the requirements of the RFP. Both were of high quality and submitted pricing as follows:

Brown and Associates Planning Group:	$207,326.00
ParioPlan:	$89,908.54

In order to assess the proposals, the following Scoring Matrix was developed. The first step in the process is to determine that each proponent has included all of the information that was asked for. In this case, both proponents have been deemed to meet the requirements of the RFP. Administration notes that Brown and Associates did not submit a proof of insurance; however, submitting proof as part of the bid was not stated as a requirement.

Submission Requirements as per the RFP

	Pario Plan	Brown and Associates
Price:	Yes	Yes
List of Proposed Team Members:	Yes	Yes
List of Related Projects:	Yes	Yes
Suggested Project Timelines:	Yes	Yes

Scoring Matrix as per the RFP

	ParioPlan	Brown and Associates
Price (70 points):	70	50
Project Understanding (10 points):	8	8
Past Relationship with Greenview (10 points):	6	5
Ability to Deliver the Project (10 points):	10	10
Total Score:	**94**	**73**

Administration notes that the hours slated for project completion by ParioPlan seem low; however, given their list of related projects, Administration suggests that the group would be familiar with the resources needed to complete a project of this type. Administration also suggests that the number of hours outlined by Brown and Associates is far more than this project would require.

As per the scoring matrix, Administration is recommending that ParioPlan be awarded the project. While both firms appear more than able to deliver the project, the price difference between the proposals ultimately produced a scoring in favour of ParioPlan.

OPTIONS – BENEFITS / DISADVANTAGES:

Options – Council may choose to award the project to ParioPlan or to Brown and Associates. Council may also choose not to award the project, although this is not recommended as both bids were within the approved budget amount.

Benefits – It is believed that both firms could adequately deliver the project; however, there are considerable costs savings to be obtained by awarding the project to ParioPlan.

Disadvantages – There are no perceived disadvantages to the recommended motion.

COSTS / SOURCE OF FUNDING:

Council's approved 2015 budget includes $250,000.00 for this project.

ATTACHMENT(S):

1. Fox Creek Site Development Study Request for Proposals
2. Brown and Associates Planning Group Submission
3. ParioPlan Submission

Request for Proposals

Fox Creek Area Rural Development: Site Identification Study

Municipal District of Greenview #16

4806-36th Avenue,

PO Box 1079

Valleyview, AB

T0H 3N0

Section 1

Introduction and Summary

Fox Creek Rural Development Study

The Municipal District of Greenview No. 16 (Greenview) is located in Northwest Alberta and has offices in Valleyview, Grovedale, and Grande Cache. Geographically, the municipality is the third largest in the Province.

Major industries within Greenview include Oil and Gas, Agriculture, Forestry, Tourism, and Mining. Oil and Gas and Forestry comprise the main industrial activities within the subject area. In order to service these industries an estimated shadow population of several thousand people exists within the local area.

Greenview is actively pursuing population growth and as part of that strategy wishes to identify locations within the Fox Creek area that would be suitable for various forms of rural development as well as estimated costs for the creation/upgrade of infrastructure to service those locations.

The study seeks only to identify suitable locations and various costs. It is expected that the study will include ground truthing to verify suitable locations and be completed before year end. Liaising with other agencies such as the Town of Fox Creek, local school divisions, and Provincial Departments (Transportation, Environment and Parks) will take place.

Detailed planning designs of possible subdivisions are not a part of the required study.

Section 2

Proposal Submission Guidelines

Proposals submitted to Greenview must be received at Greenview's Main Administration Building by 4:30 p.m. on October 5th, 2015. The Main Administration Building is located in Valleyview Alberta at:

4806 36 Avenue
Box 1079
T0H 3N0

Proposals must be sealed and include one (1) hard copy and one (1) digital copy in .pdf format on either CD or USB. Facsimiles and email submissions will not be accepted.

Proposals must include:

- Price as detailed in this RFP;
- A list of proposed team members and experience;
- A list of related and relevant projects carried out by your firm; and,
- A suggested timeline of activities leading to project completion.

Any of the above missing from the proposal will cause the proposal to be deemed non-compliant.

Proposals and questions should be sent to the attention of Mike Haugen, Chief Administrative Officer.

Section 3 Project Purpose and Description

The Municipal District of Greenview No. 16 has a population of approximately 5300 persons. Council for Greenview has determined that increasing the permanent population of the municipality is a strategic goal.

Given the high level of industry activity, the Fox Creek area has been selected as one priority zone. The area currently has a low permanent population, large shadow population, and prevalence of Crown land. The area in question for this study will include the land within a 30 kilometre radius of Fox Creek.

Within the study area Greenview wishes to identify potential sites suitable for large scale country estate style residential development at various densities. Additionally, Greenview also wishes to identify potential sites for industrial lot development catering to large (10+ acre) parcels that would not lead to conflict with identified residential sites.

Development of industrial areas may include discussions with industry regarding current and future road networks.

The final report will be presented to Greenview Council and include:

- Maps depicting identified potential sites within a 30 kilometre radius of Fox Creek;
- The location of these sites in relation to school catchment areas;
- Possible locations and routes for municipal infrastructure including roads, water, and sewer;
- Availability/needed upgrades for provision of cellular and high speed internet services for the sites;
- Estimated costs associated with development;
- Locations relative to pipelines and other industry infrastructure which may pose conflicts or have emergency services implications (such as sour gas facilities);
- Identification of environmental issues (caribou habitat, etc.);
- Estimated costs associated with purchase of Crown land; and,
- A recommended priority of site development based on such factors as costs, expected resale viability, and expected availability of water and digital communications.

The final report will be the property of Greenview to be used in the manner and for the purposes as determined by Greenview.

Section 4 Project Scope

As part of the scope it is expected that the study will include liaising with external agencies such as:

- Northern Gateway Public Schools;
- Holy Family Catholic Regional Division #37;
- Alberta Transportation
- Alberta Environment and Parks;
- Town of Fox Creek;
- Local Industry (Energy, Forestry, FMA holders, etc.) as needed; and,
- Other agencies as deemed necessary.

In order to achieve the desired outcomes of the report, the following details will be present:

Potential Development Site Locations

- Maps depicting identified potential sites within a 30 kilometre radius of Fox Creek;
- The location of these sites in relation to school catchment areas;
- Possible locations and routes for municipal infrastructure including roads, water, and sewer;
- Estimated costs associated with provision of all potential shared infrastructure (infrastructure such as collectors, lagoons, water treatment, etc. that may service multiple sites);
- Site locations relative to potential/existing recreation sites as identified by Greenview; and,
- A recommended priority of site development.

Site Specific Information – Residential Sites (information to be provided for each site)

- Estimated site development costs including all infrastructure and land purchase;
- Expected availability of water based on any available data;
- Locations relative to pipelines and other industry infrastructure which may pose conflicts or have emergency services implications (such as sour gas facilities);
- Identification of environmental issues (caribou habitat, etc.); and,
- Availability/needed upgrades for provision of cellular and high speed internet services for the sites.

The following activities are not considered to be part of the required report:

- Drilling and testing of possible water sources; and,

- Detailed design plans for possible subdivision;

Aerial photography will be provided by Greenview as required.

Section 5 Project Timelines

It is expected that this project will begin immediately upon a proponent being chosen by the Greenview Council. This is expected to occur on October 13th, 2015.

The successful proponent will provide Greenview with the final report prior to year end.

Section 6 Project Costing

Proponents will include the total cost of conducting the project including all disbursements and expenses.

Packages should include an itemized list of cost areas including such items as time, expenses, mileage, and disbursements.

Packages will include a clear project total and include ALL project costs including expenses and disbursements. This will be an "all in" cost excluding GST.

Greenview will enter into a services agreement depicting this amount as a project limit for the expected deliverables.

Greenview reserves the right to reject all proposals if a suitable price cannot be obtained.

Section 7 Bidder Qualifications

Packages will include information regarding the proponent's ability to perform the work and should include references regarding similar type work performed in the past.

The proponent should demonstrate their ability to complete the work either through their own resources or through the management of any necessary subcontractors.

Proponents must have an occupational health and safety program in good standing and be capable of assuming the role of Prime Contractor for this project.

Proponents must have suitable insurance coverage including liability insurance in the amount of at least $2,000,000.00. Proof of insurance must be included with the bid package.

Packages received from any proponent engaged in legal action with Greenview at the current time, or at any point in the last five (5) years will not be accepted as per Municipal District of Greenview No. 16 policy.

Section 8 Proposal Evaluation Criteria

The following evaluation criteria will be used to determine the successful bidder. All scores applied as part of the evaluation are determined by Greenview.

Component	Weighting
Price	70
Perceived project understanding	10
Past Relationship/Performance with Greenview	10
Perceived ability to perform the work	10

FOX CREEK AREA

RURAL DEVELOPMENT
SITE IDENTIFICATION STUDY

REQUEST FOR PROPOSAL SUBMISSION

OCTOBER 1, 2015

Prepared for:

Municipal District of Greenview #16

Submitted by:

B&A Planning Group

FOX CREEK AREA

RURAL DEVELOPMENT
SITE IDENTIFICATION STUDY

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Submitted by:

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b&a

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1.0 EXECUTIVE SUMMARY

B&A Planning Group (B&A) is pleased to present this proposal for planning consultant services to complete the Fox Creek Area Rural Development: Site Identification Study. In support of this project, we have assembled an experienced and diverse project team capable to deliver on the unique requirements on this project within the prescribed timelines. Core elements of our proposal submission are summarized below:

CORPORATE EXPERIENCE

In support of this project we have assembled the services of B&A as the lead consultant supported by Sedulous Engineering and Aggers Technical Services. This project team brings together significant collective experience in the delivery of complex planning, engineering and environmental approval projects throughout Alberta. The project team is well versed and capable to meet the project requirements.

APPROACH AND METHODOLOGY

We have summarized and described the general approach and methods which will be applied to ensure project progress and success within the prescribed timelines of this initiative. Guided by the rational planning process, we intend to apply and use the following project methods and tools throughout the project:

- Forecasting and Backcasting
- GIS and Spatial Analysis
- Communications and Engagement

PHASING AND WORK PROGRAM

Based on our review of the project requirements and Municipal District requirements relative to stakeholder engagement and communications, we have established a four (4) phased work program. This work program is based on intensive engagement and consultation with both administration and external agencies so as to arrive at project completion by December 31, 2015.

PROJECT MANAGEMENT

To support effective communication with administration and proposed advisory committee, we propose the following project management tools and resources to support the project:

- GOTO Meeting for live editing of documents and maps online; and
- TEAMWORK PM for allowing all team members to share files seamlessly and track progress relative to project milestones established in the work program.
- Telus conference call-in line;
- SharePoint software for uploading and downloading of large digital files simply and conveniently (without the virus-risk that accompanies .zip files)

BUDGET REQUIREMENTS

Based on the assembled team of expertise, proposed project phasing, tasks and anticipated disbursements, we are proposing to deliver the project for a total budget of $207,326. This budget represents the total cost of the project including all disbursements but excluding GST.

We look forward to the opportunity to work with the Municipal District of Greenview No. 16 on this very important and strategic initiative.

2.0 **EXPERIENCE**

CORPORATE PROFILES

B&A PLANNING GROUP

B&A is a Calgary-based community planning firm that employs 40 professional planners and support staff working on diverse projects throughout Western Canada. Serving public and private sector clients, our service areas include:

- Master Planning and Urban Design
- Land Use and Development Approvals
- Municipal Policy Planning
- Energy and Resource Development
- Communications and Engagement
- GIS and 3D Design Services
- Special Projects

The reputation of the firm for offering challenging projects along with a flexible but dedicated professional working environment has allowed us to recruit some of the most experienced and qualified professionals in Western Canada and abroad. The ability to attract top talent has supported our ongoing growth and service diversification.

With respect to this specific project, B&A has assembled a team of professional planners and GIS specialists who have proven experience in both the municipal and private sector working on a variety of similar assignments including:

- Regional land evaluation
- Site selection and disposition studies
- Site development scenario analysis
- Growth studies and annexation support
- Servicing assessments and costing
- Environmental review and analysis

In undertaking the following work, we have established experience in working with clients and interdisciplinary teams to ensure balanced land evaluation to support informed decision making. B&A has completed this type of work for public and private sector clients in various municipalities across Western Canada including but not limited to:

- Calgary Metropolitan Area
- Leduc County
- County of Vermillion River
- City of Lloydminster
- Municipal District of Bonnyville
- The Town of Cochrane
- The City of Chestermere
- The City of Airdrie
- The City of Camrose
- The Town of Slave Lake
- The Town of Canmore
- The Town of Peace River
- City of Regina
- The City of Grande Prairie

SEDULOUS ENGINEERING

B&A has selected 'best in industry' sub-consultants Sedulous Engineering to assist in the completion of the Fox Creek Site Identification Study. Sedulous has extensive municipal experience and proven capabilities in all aspects of civil/municipal projects from the preparation of strategic site selection, growth studies, preliminary engineering studies, order of magnitude costing and off-site levy development. Sedulous was recently been involved in the preliminary engineering and servicing design for a 700 acre site in Southern Alberta. This involved designing a preliminary conceptual scheme which defined the overall servicing strategy for the municipality. Sedulous has also partnered with a B&A to deliver a comprehensive land acquisition strategy for a large Canadian developer in the Calgary Metropolitan Area. The study involved regional land evaluation, servicing assessments and order of magnitude costing so as to support land acquisition decisions. B&A Planning Group has worked with Sedulous Engineering successfully on several projects.

AGGERS TECHNICAL SERVICES

Rounding out our team, B&A has selected 'best in industry' sub-consultants AGGERS Technical Services Ltd. to assist in the project. Based on an initial review of the study area, the majority if not all of the lands situated within a 30 kilometre radius of the Town of Fox Creek are Crown lands. A review of existing crown land dispositions and current environmental summaries provided by Alberta Environment and Parks under the Public Lands Act will form a core piece of the environmental considerations which will help inform the evaluation of the study area and potential site selection. Brendan Vickery (B.J.) of AGGERS Technical Services Ltd. has been added to the project team as a sub-consultant because of his thirty years of experience as an environmental scientist and in depth knowledge of crown land and environmental matters in Alberta. He also is capable of interpreting the LSAS and NWMIS databases to provide direction with respect to suitability for development from an environmental perspective. B&A Planning Group has worked with BJ successfully on several projects.

For additional information on the respective corporations assembled to support this project, please refer to Appendix A for a list of Corporate Profiles.

PROJECT EXPERIENCE

B&A has undertaken a wide range of previous assignments which are similar in context and scope to the requirement of the site identification study. These are briefly summarized below.

REGIONAL LAND EVALUATION

Understanding the growth potential of an entire region is vital to make strategic development decisions. B&A has the ability to evaluate growth potential at a regional scale; enabling clients to understand and identify priority growth areas that warrant further levels of analysis. To do so often involves reviewing the context of each municipality within the larger region in relation to statutory and non-statutory plans, municipal and provincial capital plans, development trends, growth plans, development characteristics, population forecasts, and land supply to estimate timing and overall development potential. This form of analysis will allow Greenview to identify priority growth areas within the study area.

Our team recently performed a comprehensive study of the Calgary Metropolitan Area to assist a private sector client understand and identify development opportunities within the region. The project evaluated the potential for greenfield development within Calgary as well as opportunities for growth in Airdrie, Rockyview County, Chestermere, Okotoks, and Cochrane. Based on our analysis, B&A was able to rationalize and recommend development options to the client that could be used to inform and guide their strategic decision making process.

SITE SELECTION/DISPOSITION STUDIES

B&A leverages existing knowledge of planning policy, land development, and GIS expertise to strategically identify potential sites for acquisition and disposal on behalf of private sector clients. The process begins by understanding our unique client needs to establish key assessment criteria. This allows us to determine which sites our client is interested in acquiring (or disposing of). Using this criteria we are able create an inventory, rank, and recommend potential sites for clients based on their requirements.

On behalf of private sector client, B&A prepared two comprehensive studies which recommended specific sites for (1) acquisition and (2) disposal. Working with the client our team established key criteria based on the strategic goals of the organization to identify potential sites for development and evaluate current land holdings. Overall, our recommendations enabled the client to make strategic development decisions regarding existing and potential land holdings in the Calgary Metropolitan Area.

SITE DEVELOPMENT SCENARIO ANALYSIS/ ALTERNATIVES

An important part of our planning and design projects is that of the concept development stage. This stage begins with an analysis of the site and development of several concepts or scenarios. B&A will often develop several scenarios based on different criteria or assumptions such as density, road alignment, or a land use mix. This will allow the client to evaluate the alternatives and see what the yield is under the different scenarios. A preferred option is selected and refinements can then take place. Site development scenario analysis/ alternatives will be an important part of the Fox Creek Site Identification project and B&A is well versed in this process.

A representative project example is the Westerra Neighbourhood Plan where B&A developed several alternatives for a plan area of +/- 239 acres based on the results of a charrette. The scenarios were evaluated with the client and a preferred alternative selected.

GROWTH STUDIES & ANNEXATION SUPPORT

B&A work with municipalities to respond to the opportunities presented by growth by assisting with growth management and annexation processes. Our staff have prepared formal pre-annexation growth studies that forecast long-range land requirements, identify preferred and strategic lands, and determine municipal boundaries that will accommodate growth. We have experienced professionals who can develop growth studies and assist with the municipal annexation process.

B&A has worked with the Town of Peace River to understand growth potential by preparing a growth study which included a comprehensive review of existing land requirements to accommodate 30 year population forecasts. Overall, the study recommended priority areas for growth and specific land requirements to support land use decision-making.

SERVICING ASSESSMENTS AND COSTING

Clients need to assess the budget of a project to ensure they have the financing to carry through with a particular development. Infrastructure is a significant cost that needs to be considered at the outset. The availability of existing infrastructure and a high level understanding of available servicing is an extremely important input into the design and costing of any potential project. An 'order of magnitude of cost' is helpful for determining the feasibility of developing a site.

Sedulous Engineering has performed many projects related to servicing assessments such as the Conrich Station Conceptual Scheme in Rocky View County where preliminary designs were prepared including an order of magnitude for servicing demand. Costing of required high level infrastructure was conducted as part of the land acquisition framework series prepared in collaboration with B&A.

ENVIRONMENTAL REVIEW AND ANALYSIS

Aggers Technical Services Ltd. is well versed in environmental review and analysis of Crown lands. The environmental assessment for this project will involve reviewing current summaries provided by Alberta Environment and Parks under the Public Lands Act as well as Fish & Wildlife assessments in the respective geo-administrative area. These administrative searches (LSAS and FWMIS) will result in executive summary type information which will help inform the broader servicing and planning analysis.

Aggers Technical Services has conducted property acquisition and divestment due diligence in the past and has worked with the provincial regulatory system on many occasions including gravel pit applications and industrial sites. Aggers has experience with the Public Lands Act applications for surface dispositions and Environmental Protection and Enhancement Act applications.

For a detailed overview of specific projects relative to our highlighted project experience, please refer to Appendix B for a detailed list of Project Sheets.

CLIENT REFERENCES

In support of this project, B&A has assembled the following list of references for consideration of the Greenview. These references represent recent clients/projects which are comparable to the scope and focus of the site identification study.

#	REFERENCE CONTACT INFORMATION	PROJECT(S)
	B&A PLANNING GROUP	
1	Mr. Arnie Stefaniuk, General Manager of Land Development Genesis Land Development Corporation 7315 – 8th Street NE Calgary, AB T2E 8A2 Phone: (403) 984-1374 Email: Arnie.Stefaniuk@genesisland.com Mr. Brian Whitwell, Manager, Financing and Dispositions Genesis Land Development Corporation 7315 - 8th Street NE Calgary, AB T2E 8A2 Phone: (403) 984-1375 Email: Brian.Whitwell@genesisland.com	• City of Calgary - Greenfield Land Analysis & Acquisition Framework (Ongoing) • Calgary Metropolitan Area – Land Analysis & Acquisition Framework (2015) • Calgary Metropolitan Area – Review and Assessment of Existing Land Assets (2014)
2	Barry A. Sjolie, Q.C. Partner (Municipal) Brownlee LLP 2200 Commerce Place 10155 - 102 Street Edmonton, AB T5J 4G8 Direct Phone: 780-497-4818 Email: bsjolie@brownleelaw.com	• County of Vermilion River Annexation Process, Planning Expert (2014 to ongoing) • Leduc County Annexation Process, Planning Expert (2014-2015)
3	Jeremy Enarson, P. Eng. | Director of Engineering City of Camrose Tel: 780-672-4428 E-mail: jenarson@camrose.ca	• City of Camrose Municipal Development Plan and Population Forecasts (2011)
4	Chen Peng, RPP, Senior Facilitator of Corporate Projects City of Chestermere Phone: 403-207-7067 Email: cpeng@chestermere.ca	• Town of Chestermere Annexation and Municipal Development Plan (2009)

#	REFERENCE CONTACT INFORMATION	PROJECT(S)
5	Grant Bain, Director, Planning & Development Leduc County Phone: 780-979-2113 Email: grant@leduc-county.com	• Town of Beaumont/Leduc County annexation and Leduc County Municipal Development Plan (2015 and in progress)
SEDULOUS ENGINEERING		
6	Bryon Riemann, R.E.T. Rocky View County Phone: 403-520-1196	• Rocky View County, 2014 Capital Project Management Support
7	Rick Wiljamaa, P.Eng. Engineering Services Manager Rocky View County 403.520-7282	• Municipal Review, Balzac Development Area

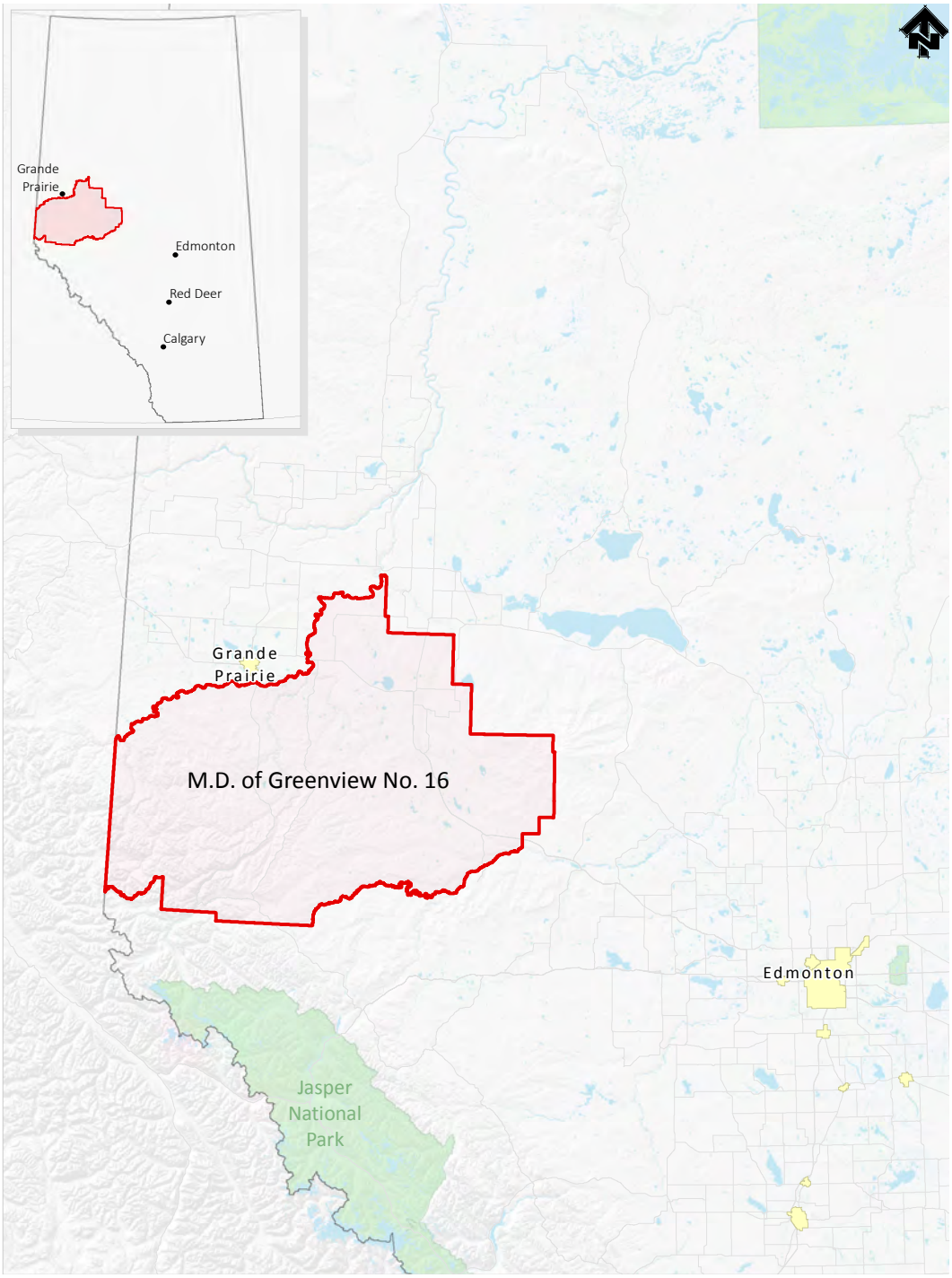
3.0 **SERVICES**

PROJECT UNDERSTANDING

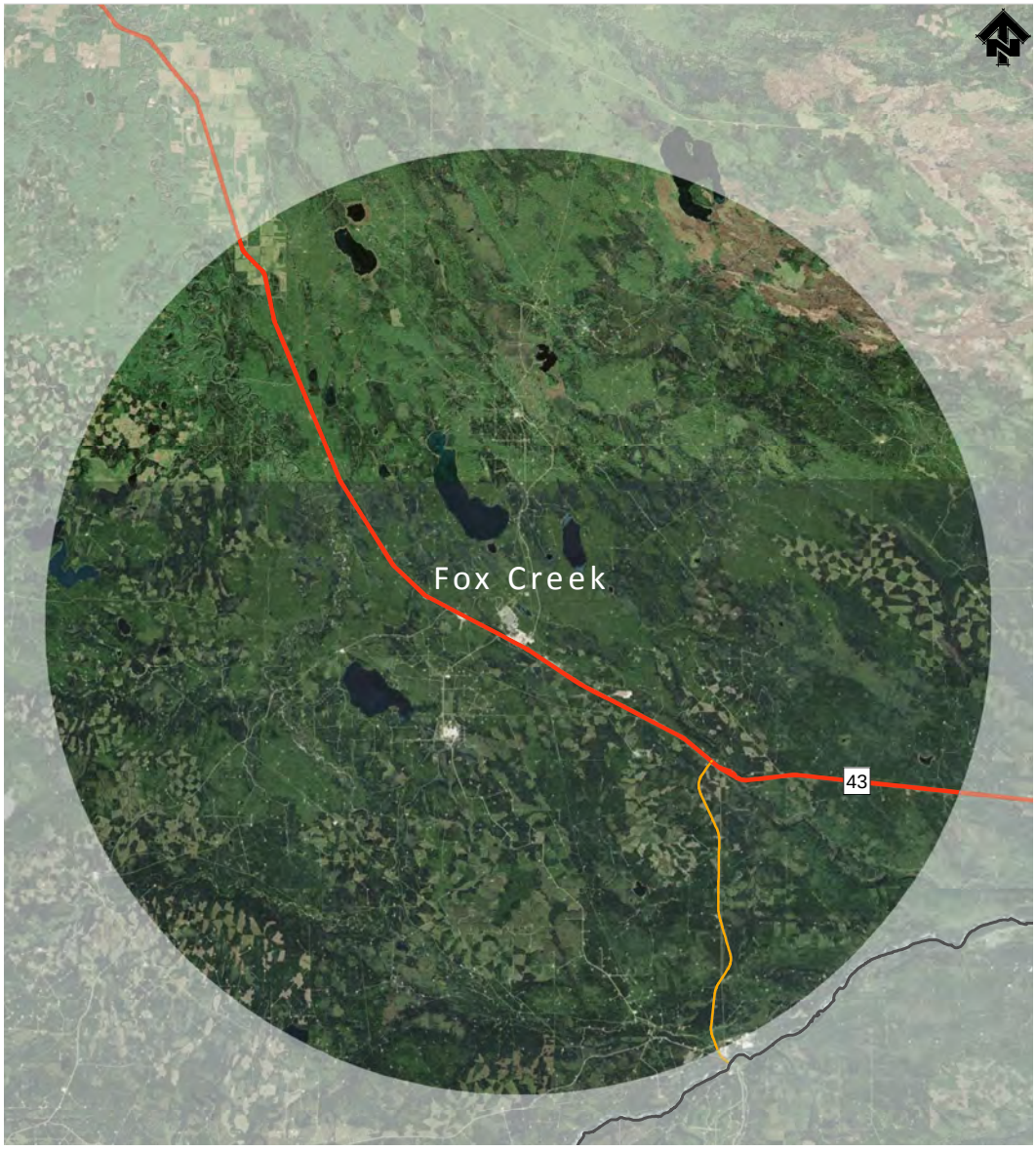
The Municipal District of Greenview #16 (Greenview) is strategically planning for population growth and industrial development. While much of Alberta has experienced unprecedented levels of population growth in the last decade, Greenview and a number of the municipalities located within, have experienced population decreases. Greenview is located in central Alberta, northeast of Edmonton, encompasses three towns, five hamlets and is the third largest municipality in Alberta when measured by geographic area. Crown land makes up approximately 85% of the region with a significant portion devoted to industrial activity that support industries such as oil and gas, forestry, agriculture and mining. Figure 1: Context Map depicts the location of the municipality within Alberta.

Official census statistics indicate that the municipality is struggling to grow in terms of population. The shadow population, however; appears to be increasing with current estimates upwards of 10,000 individuals or 60% of Greenview's total population. A large proportion of shadow population, combined with a significant proportion of crown land, presents Greenview with a unique planning challenge to managing growth and development. As a result, Greenview Council has determined that increasing the permanent population within the municipality is a strategic goal. A 30km radius around the Town of Fox Creek has been identified as a potential growth area due its high level of industrial activity and proximity to a large proportion of the shadow population.

F.1 *Context Map*



F.2 *Study Area*



B&A understands that the goal of this project is to conduct a comprehensive planning and servicing analysis of lands within 30km of Fox Creek in consultation with stakeholders to identify and recommend potential sites for:

1. Large scale country estate style developments at various densities and;

2. Industrial development catering to large lot (10+ acres) parcels.

B&A recognizes Greenview's commitment to sustainable and strategic development while collaboratively coordinating growth with other municipalities in the region. Our goal is to rigorously analyze, identify and recommend potential sites that are suitable for development and to present the findings to Greenview Council. Upon completion, the Fox Creek Site Identification Study will reflect stakeholder input and enable Greenview to achieve its longer term strategic population growth and development goals.

"Greenview will support strong, viable and sustainable rural and urban communities through well-defined initiatives and planning."

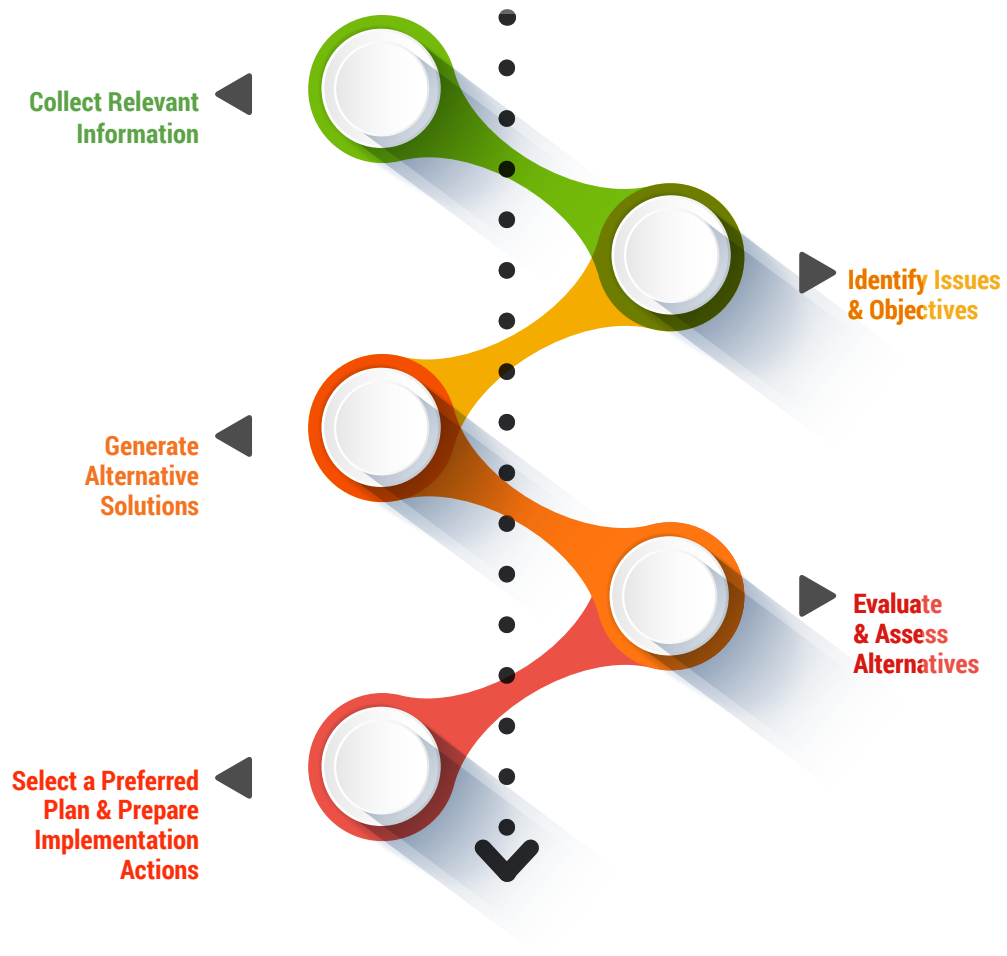
APPROACH & METHODOLOGY

B&A uses a formal approach and a number of supportive methods in our projects, adapting them as required to address the context and unique subtleties of each project. The following section provides an overview of our proposed approach and supportive methods to the site identification study.

RATIONAL PLANNING PROCESS

To help guide the overall planning activities and stakeholder engagement, we propose to use an overarching project approach known as the rational planning process. The rational planning process is commonly understood to include key activities such as collecting relevant information, identifying issues and objectives, generating alternative solutions, evaluating alternatives, selecting a preferred plan and preparing implementation actions. This method is effective in supporting overall project management and a natural progression through the key tasks and activities required to ensure project success and completion.

F.3 *Rational Planning Process*

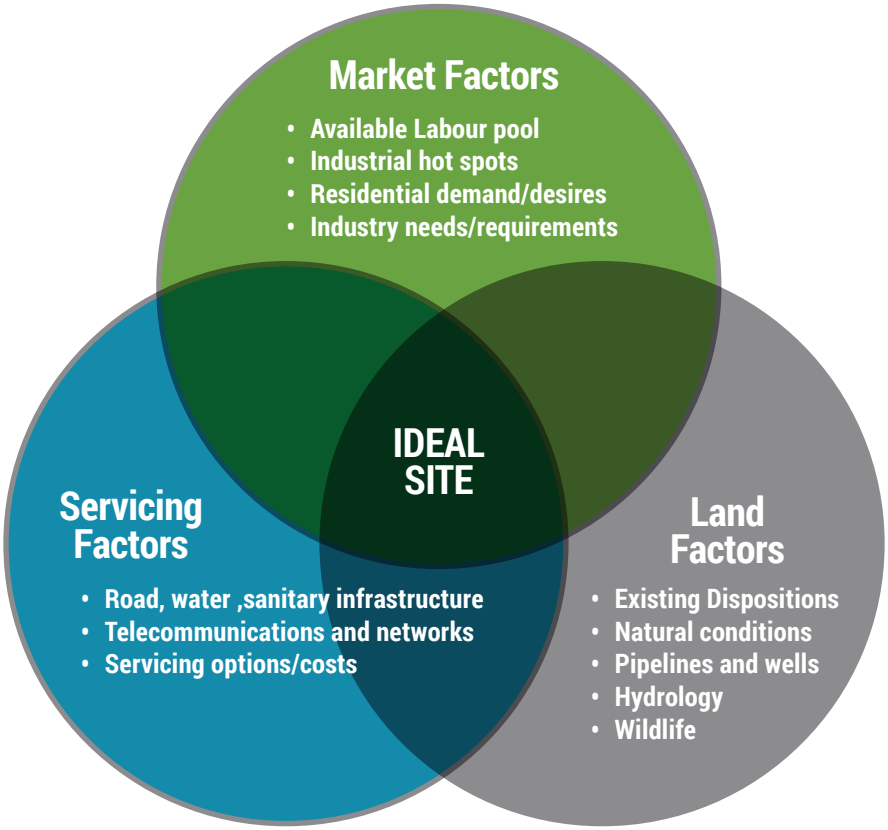


GEOGRAPHIC INFORMATION SYSTEM

At the cornerstone of this project and previous regional land evaluation and site selection studies is GIS. A geographic information system (GIS) is powerful tool that can support the visualization, analysis and interpretation of spatial data over a defined geographic area. In support of this project, we propose to develop a GIS for the study area and work with the administrative and advisory committee to define the core land, market and servicing criteria to support the assessment and evaluation of the study area.

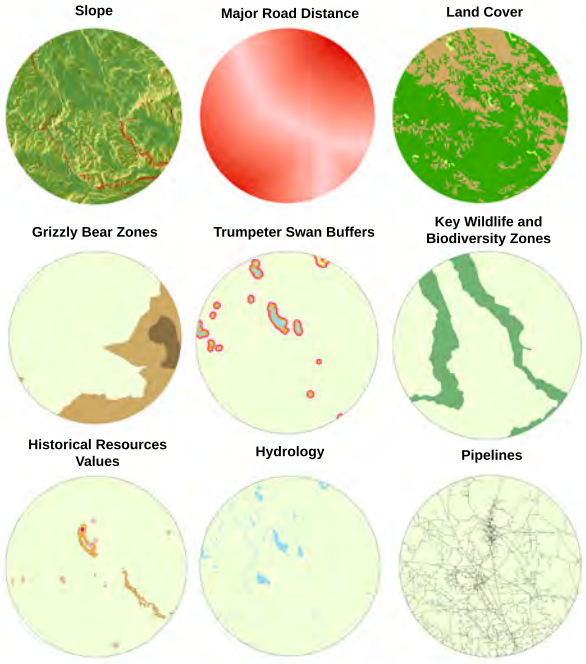
Once defined, these criteria will be input and applied in our GIS environment. This approach will allow for quick and thorough evaluation of the study areas so as to systematically narrow down potential development areas and sites. This approach will also allow the project team to generate alternative scenarios based on revised criteria/weighting relatively quickly.

F.4 *Land, Market and Servicing Considerations*



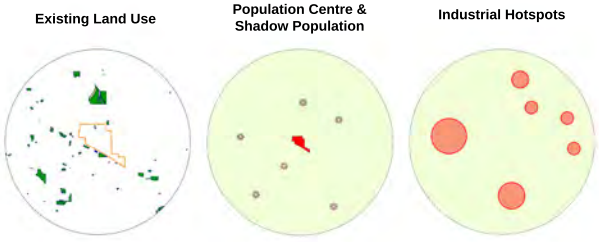
F.5 GIS Approach to Support Site Identification

Land Considerations



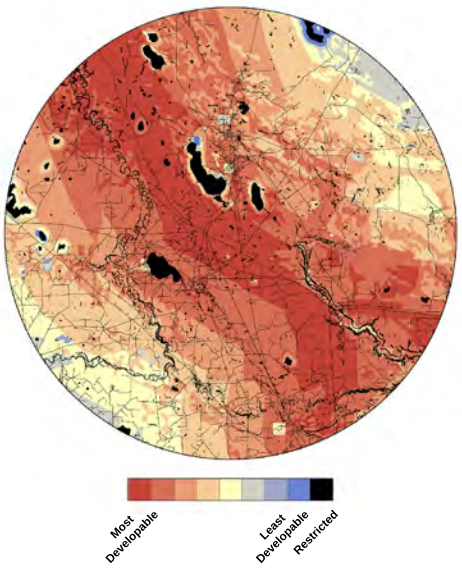
Servicing Considerations

Market Considerations

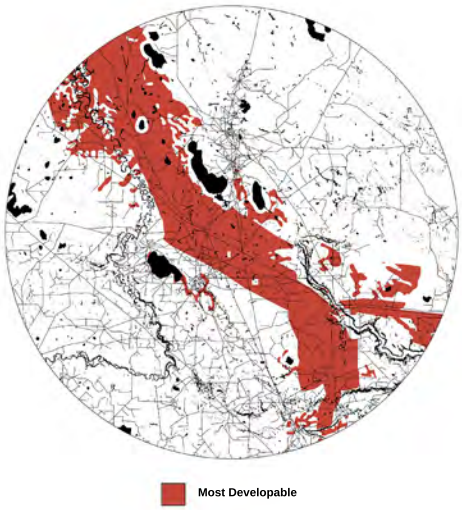


Layering of data, assign values, and weights

Overall Developable Ranking



Most Developable Lands

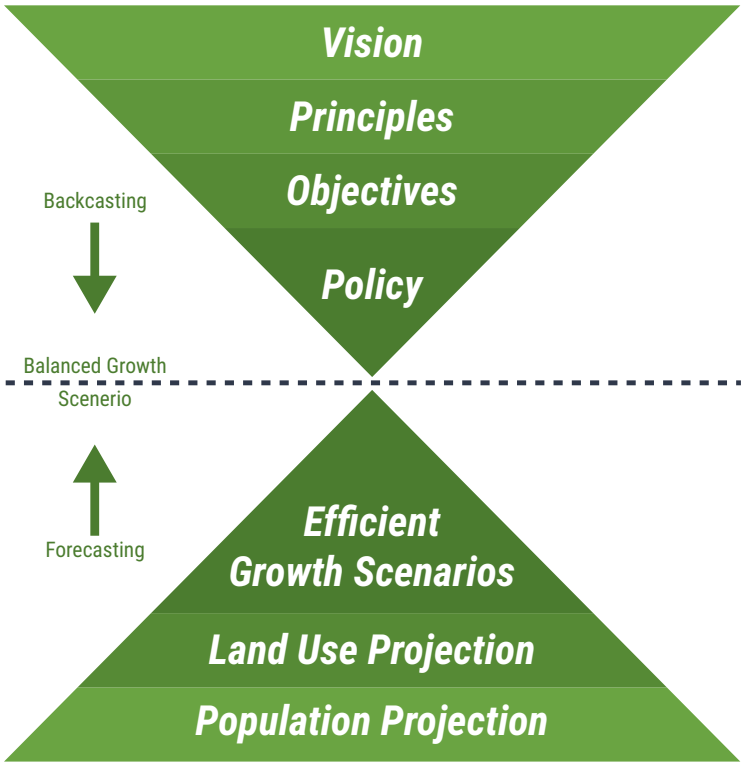


FORECASTING AND BACKCASTING

Forecasting techniques use population and employment projections to arrive at future growth requirements and land use needs. Growth areas are subsequently identified based on consideration of such factors as environmental constraints and opportunities, market desires/requirements, mobility and transportation considerations, land use compatibility and cost effectiveness of infrastructure delivery.

Backcasting is a method in which the future desired conditions are envisioned and steps are then defined to attain those conditions. These steps start with the creation of a vision, followed by the formulation of principles, the creation of objectives and then the subsequent drafting of policy. The community values and spirit are captured in a vision defined by the community through the visioning process. The visioning process provides a starting point to build a decision making framework upon which the policy alternatives will ultimately be measures.

F.6 *Forecasting and Backcasting*



COMMUNICATIONS & ENGAGEMENT

Stakeholder communications and engagement is an important part of virtually every project we do. We understand that the Greenview is focused on nurturing strong relationships with its external agencies and incorporating their input so as to inform and support the site identification study. In support of this, we have proposed the creation of advisory committee to support ongoing and consistent communications and engagement with external agencies.

WORK PROGRAM & BUDGET

B&A Planning Group is pleased to provide the following work program which is intended to meet the project goal. We have identified key phases of the work program which we believe are critical steps to support the systematic analysis of study area in order to arrive at site development and acquisition recommendations. Each phase and associated tasks of the of the work program is summarized on the next page.

F.7 *Advisory Committee Composition*

F.8 *Project Phasing, Tasks, Budget & Schedule*

		B&A PLANNING GROUP					SEDULOUS		AGGERS		
	Professional	**N. Petherick**	**D. McDonald**	**C. Andrew**	**Leclair/Leedham**	**Steve Morris**	**R. Deverell**	**F. Bobadilla**	**Brendan Vickery**		
	Project Role	Project Manager	Senior Planner	Project Planner	GIS Specialist	Graphic Designer	Sr. Technologist	Sr. Engineer	Env. Scientist		
	Hourly Rate	$195	$150	$125	$135	$130	$150	$150	$125	**TOTAL**	**TIMING**
Phase 1	**Project Start Up, Advisory Committee Formation and Background Information Review**										
1	Project Team Meeting # 1: Project Start Up, Stakeholder Identification, Finalization of Work Plan (Trip # 1)	3	3	0	0	0	3	2	0		
2	Communications with External Agency Representatives/Stakeholders and Formation of Advisory Committee (Trip #1)	2	3	3	0	2	0	0	0		
3	Assembly and Review of Approved Statutory Plan(s) and Background Documents	2	8	8	0	0	0	0	0		
4	Assembly and Review of Demographic/Growth Indicators (i.e. population growth, permits, subdivision activity/trends)	2	8	8	0	0	0	0	0		
5	Industry Engagement and Review of Market Trends and Requirements relative to residential and industrial development	2	10	10	0	0	0	0	0		
6	Assembly and Review of Existing Infrastructure Systems (i.e. utilities, roads, water, sanitary, stormwater)	2	4	4	2	0	20	20	0	$48,465	October 13 - November 3, 2015
7	Assembly and Review of Existing Environmental Assessments from LSAS and FWMIS database relative to study area	2	2	0	0	0	0	0	20		
8	Assembly and Review of Existing Baseline Environmental Data (i.e. AbaData, AGS, ESAR, AEP authorization review)	2	2	2	0	0	0	0	15		
9	Mapping Data Acquisition/Assembly and Preparation of Contextual and Study Area Base Mapping	2	4	2	30	8	8	8	0		
10	Preparation of Background Summary Report and Study Area SWOT Analysis	3	30	16	8	8	8	8	8		
11	Project Team Meeting #2: Presentation of Background Report, Preparation for Advisory Committee Meeting #1 (Trip #2)	3	3	0	0	0	3	2	0		
	Phase 1 - Subtotal Hours	25	77	53	40	18	42	40	43		
Phase 2	**Confirmation of Site Evaluation Criteria/Weighting and Preliminary/Final Site Identification**										
1	Advisory Committee Meeting #1: Project Introduction, Presentation of Background Review, Study Area Considerations (Trip #3)	3	3	0	0	0	3	2	0		
2	Development of study area evaluation criteria based on background report and advisory committee feedback	4	8	16	4	0	4	4	4		
3	Project Team Meeting #3: Confirmation of study area evaluation criteria and discussion on relative weighting (Trip #3)	3	3	0	0	0	3	2	0		
4	Study Area Analysis based on background review, finalized evaluation criteria and established weighting	8	16	16	16	0	8	16	16		
5	Identification of preliminary development site locations and preparation of summary rationale	4	8	8	8	0	4	4	8		
6	Project Team Meeting # 4: Review of potential development site locations based on initial analysis of study area (Trip #4)	3	3	0	4	0	3	0	3	$50,985	November 4 - November 25, 2015
7	Advisory Committee # 2: Review of potential development site locations based on initial analysis of study area (Trip #4)	3	3	0	4	0	3	0	3		
8	Development Site location refinements and adjustment based on administrative and stakeholder feedback	2	8	8	4	0	4	4	4		
9	Site Visit and investigation of preliminary site locations (Trip #5)	8	8	0	0	0	4	4	8		
10	Preparation of Finalized Development Site Location List/Mapping and Preliminary Ranking Matrix	4	8	8	4	4	2	2	4		
11	Project Team Meeting # 5: Review of Finalized Development Site Location List/Mapping and Preliminary Ranking Matrix (Trip #5)	3	3	0	0	0	3	0	0		
	Phase 2 - Subtotal Hours	45	71	56	44	4	41	38	50		
Phase 3	**Site Servicing Assessment, Order of Magnitude Costing and Development Sequencing**										
1	Detailed Review and Summary of Existing Infrastructure/Utilities in relation to finalized development site locations	3	3	3	3	0	15	20	0		
2	Preparation of servicing concepts, alignments and routing to support development of finalized site locations	2	0	0	0	0	15	20	0		
3	Preparation of order of magnitude cost estimates relative to finalized servicing concepts	0	0	0	0	0	15	20	0		
4	Preparation of funding and finance considerations to potentially support infrastructure delivery to site locations	3	3	0	0	0	8	8	0		
5	Preparation of Final ranking matrix and recommended sequencing of development for site locations based	4	8	4	0	0	2	2	4	$28,630	November 25 - December 7, 2015
6	Project Team Meeting #6: Presentation of servicing concepts, costing and recommended sequencing (Trip #6)	3	0	0	0	0	3	0	0		
7	Advisory Committee Meeting #3: Presentation of servicing concepts and recommended development sequencing (Trip #6)	3	0	0	0	0	3	0	0		
8	Site servicing, costing and sequencing refinements based on administrative and stakeholder feedback	2	0	0	0	0	4	4	0		
	Phase 3 - Subtotal Hours	20	14	7	3	0	65	74	4		
Phase 4	**Draft/Final Report Preparation and Delivery to Council**										
1	Preparation of DRAFT report inclusive of all analysis and graphics	16	40	40	30	30	12	12	16		
2	Project Team Meeting #7: Presentation of DRAFT Report and Findings (Trip #7)	3	3	0	0	0	3	0	0		
3	Advisory Committee Meeting #4: Presentation of DRAFT Report and Findings (Trip #7)	3	3	0	0	0	3	0	0		
4	Preparation and Delivery of Summary Presentation for Council (Trip #8)	4	8	0	0	0	4	0	4	$38,580	December 8 - December 31, 2015
5	Preparation and Delivery of FINAL Report based on administrative, stakeholder and Council feedback (Trip #8)	2	8	8	3	8	3	0	3		
	Phase 4 - Subtotal Hours	28	62	48	33	38	25	12	23		
	TOTAL PROJECT SUMMARY										
	Professional Hours by Team Member	118	224	164	120	60	173	164	120	1,080	
	Percentage (%) of Total Hours by Team Member	11%	21%	15%	11%	6%	16%	15%	11%	106%	
	Professional Fees by Team Member	$23,010	$33,600	$20,500	$16,200	$7,800	$25,950	$24,600	$15,000	$166,660	
	Estimated Disbursements at 10% of Fees (i.e. mapping data, car rental, hotel, meals, courier, copying etc…)									$16,666.00	
	Estimated Travel Costs at $3,000 per trip (assumes 2 - 3 persons per trip, 10 hr return travel time, 8 trips)									$24,000.00	
	TOTAL COST (EXCLUDING GST)									**$207,326.00**	

FOX CREEK AREA

SCHEDULE & TIMING

Based on our proposed work program, the project schedule is summarized in Table 1. We have prepared a work program that will achieve the final deliverable in four project phases. As shown in Table 1 we can commit to completing a draft report by early December. Given the tight timeline of the project, our project schedule assumes that Greenview awards the project for work to begin by October 13, 2015.

The Town's RFP indicates that the consultant will also participate in a presentation to Greenview Council and that the draft version of the final report will be prepared at the same time. The following table depicts proposed timelines for each phase of the project.

T.1 *Project Phasing and Schedule*

PHASE 1	Project Start-up Advisory Committee Formation and Background Information Review	October 13 to November 3, 2015
PHASE 2	Confirmation of Site Evaluation Criteria/Weighting and Preliminary/Final Site Identification	November 4 to November 24, 2015
PHASE 3	Site Servicing Assessment, Order of Magnitude Costing and Development Sequencing	November 25 to December 7, 2015
PHASE 4	Draft/Final Report Preparation and Delivery to Council	December 8 to December 31, 2015

4.0 **PROJECT TEAM**

In support of the project a diverse and specialized team of professionals from three (3) well respected firms have been assembled. The following provides an overview our project team, anticipated roles in the project and project team organization and management.

B&A PLANNING GROUP

NATHAN PETHERICK, PRINCIPAL, will serve as Project Manager on the project. Nathan brings diverse experience to B&A with over 12 years of experience in working with a wide range of range of urban and rural municipalities. Nathan's core expertise includes strategic planning, urban and rural development, communications, policy formulation and governance support. Nathan's previous experience has spanned the development and implementation of wide ranging community-planning initiatives throughout British Columbia and Alberta to working with the United Nations Development Program, local government, and NGO's on a municipal governance and service delivery planning in New Amsterdam, Guyana.

Recent work has included 3 years in the capacity of Director of Planning for Mackenzie Municipal Services Agency in Northern Alberta and most recently, 3 years as Manager Planning Services for Mountain View County. Nathan possesses a background in geography, and environmental studies and holds a Master's Degree in Community and Regional Planning from the University of British Columbia. Nathan has also attained full professional membership with the Alberta Professional Planners Institute and the Canadian Institute of Planners and is a member of the Community Planning Association of Alberta.

DARIA MCDONALD, COMMUNITY PLANNER, will serve as Senior Planner on the Greenview project. She specializes in projects that require a good communicator to facilitate understanding between local communities and development proponents and she has obtained her certificate in public participation through the International Association for Public Participation (IAP2). Daria has worked for municipal government for most of her career during which time she worked with several Councils and Administrations. Her experience includes both the private and public sectors. Most recently she was the project manager for a series of site selection projects for a private developer. Daria has also been involved in Land Use Bylaw and Municipal Development Plan reviews. She will be responsible to assist with community consultation materials, review, research and writing.

CHRIS ANDREW, COMMUNITY PLANNER, will serve as a project planner on the project. Chris joined B&A Planning Group in May 2015 upon graduating with a Master of Planning degree from Ryerson University in Toronto. He has worked on a variety of public and private planning projects in Alberta and Ontario. He has been involved in two major site selection projects for a private developer and a large public sector organization. Prior to Chris' transition to urban planning he worked as a management consultant with over four years' experience in project coordination, business

analysis, process optimization, municipal policy review and research. Progressing to a career as a planning consultant, Chris developed knowledge working on projects in the areas of growth management, employment land planning, outline and neighbourhood plan development, public land leasing and financial analysis.

JEAN PAUL (JP) LECLAIR, SENIOR GIS TECHNOLOGIST, will serve as the GIS Specialist on this project. JP has a solid understanding of the role of GIS in the land planning process and has worked on numerous site selection projects. He is well versed in the ESRI ArcGIS software suite, as well as experienced in working with database, survey, and LiDAR technology. JP works with project planners and with other AutoCAD and graphic design (Adobe Creative Suite) experts at B&A Planning group to high-quality maps and graphics.

RUSS LEEDHAM, SENIOR GIS TECHNOLOGIST, will serve as the GIS Specialist on this project. Russ has seven (7) years experience as a GIS/ Geomatics professional and worked on a diverse range of projects including regional growth management, urban land planning, transportation planning, environmental infrastructure, civil engineering, geomatics and surveying applications. Russ has extensive experience in the use of ESRI ArcGIS suite, AutoCAD, GPS software and Microsoft Office platforms.

SEDULOUS ENGINEERING

Rob Deverell, P.Tech. (Eng.) will serve as the lead engineering resource from Sedulous Engineering on this project. As a Professional Technologist with over 10 years of experience in the municipal engineering and land development fields, Rob has developed a broad range of both public and private experience. This range of public/ private experience provides a unique perspective and ability to understand "both sides of the land development fence". Rob appreciates the complexities of development projects and the related development approvals processes and how integral the approvals process can be to a successful land development project. From Rob's perspective, part of the root of this integral relationship lies with a municipality's infrastructure capacity and its plans for expansion and growth of infrastructure and servicing. Often, alignment with a municipality's existing infrastructure and infrastructure growth plans can result in increased development approvals' prospects. Rob's role in this project is to act as the engineering project manager and to use his understanding of the municipal approvals' processes to shed light on the realities of the constraints and opportunities for the proposed projects. Rob recently provided the servicing analysis as part of a series of site selection projects for a private developer along with B&A as lead consultant.

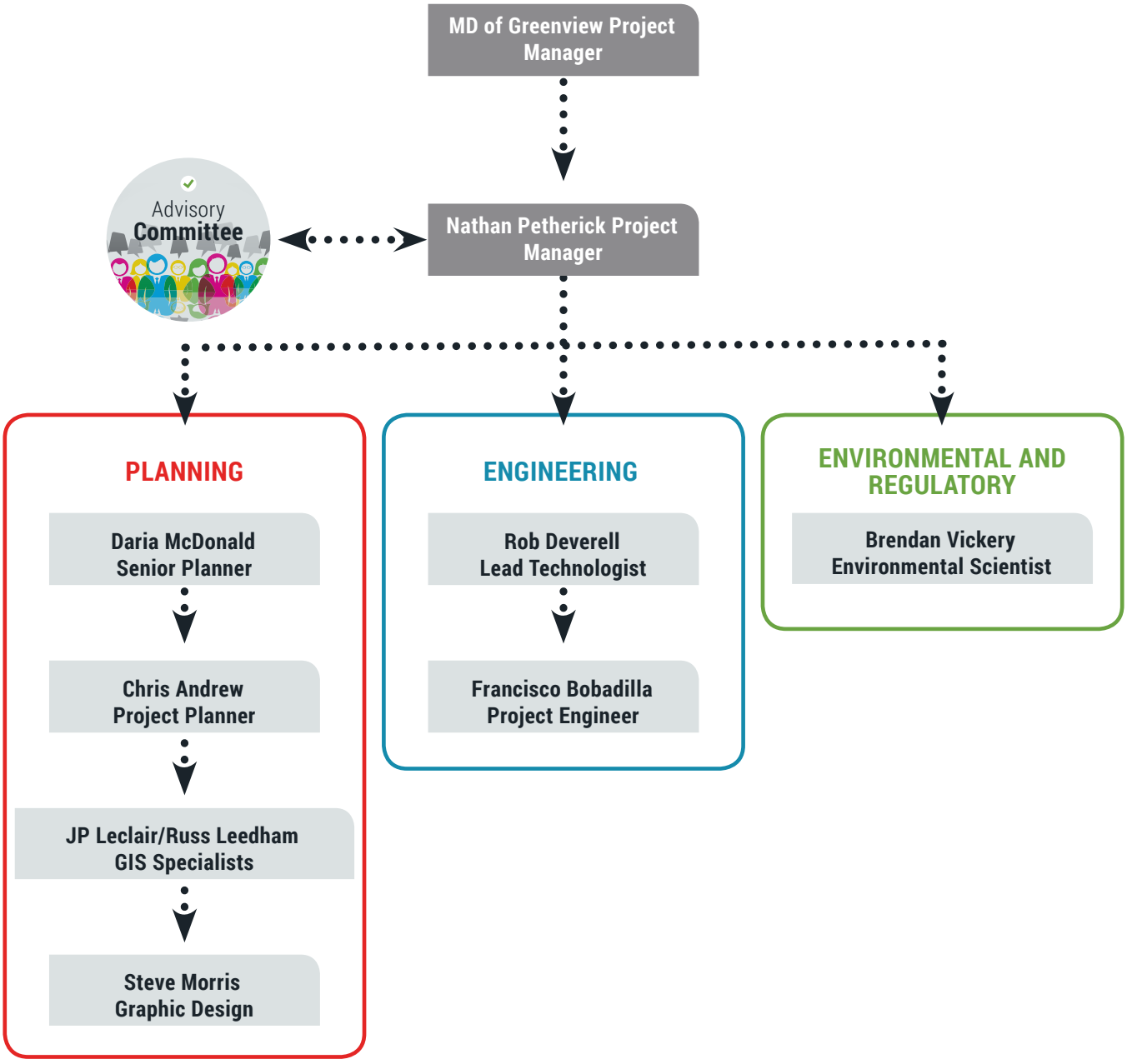
FRANCISCO J. BOBADILLA, P.ENG., P.E. will serve as an engineering resource on the project. Francisco has 13 years of civil engineering experience. His experience includes a wide range of civil disciplines such as: general civil, transportation, water resources and mining. Francisco has extensive experience with municipal engineering design including urban road design, deep utilities, stormwater design and modeling and land planning. He has worked on storm, water and wastewater master plans for large communities in Arizona and Alberta, including detailed piping design for a wastewater reclamation facility. Francisco recently provided the servicing analysis as part of a series of site selection projects for a private developer along with B&A as lead consultant.

AGGERS TECHNICAL SERVICES

B.J. (BRENDAN) VICKERY is the Principal of AGGERS Technical Services Ltd. (AGGERS), a consultancy providing development planning, environmental risk assessment and regulatory application preparation for the natural resources extraction (i.e., pits, quarries and resource roads) and heavy construction (i.e., road-building, infrastructure, utilities and pipelines) industry sectors in Alberta. Mr. Vickery's working experience spans more than thirty (30) years throughout Alberta, western Canada and the western United States and he has acquired wide-ranging expertise on environmental issues and regulatory matters associated with natural resource development activities, operations and facilities.

His work experience and training includes development planning, regulatory applications, interim and final site reclamation work, pre-site environmental assessment, environmental protection planning, environmental risk assessment and risk management, contaminated site remediation, post construction reclamation, property acquisition and divestment due diligence, facility regulatory compliance, environmental inspections and audit programs. In addition to project/contractor management for reclamation work and environmental project upgrades, Mr. Vickery has also lead several successful permitting teams for technically complex or environmentally sensitive projects (i.e., pits, quarries, industrial facilities) requiring varying levels of a local community engagement process. Mr. Vickery has also participated, as a chair or member, on several environment committees and task forces for Alberta and B.C. industry associations and has also served as a corporate instructor (both in-house and as a consultant), teaching operations managers about environmental and regulatory matters.

F.9 *Project Team Organization*



5.0 **PRICING**

PROJECT BUDGET

The proposed project is based on team hourly rates as highlighted in Table 2 – Hourly Rates. This table also summarizes the approximate level of commitment by each team member to the project. Based on the hourly rates as noted and the proposed work program, the project team is prepared to complete this project including all RFP requirements for a total cost of $207,326 which is inclusive of all disbursements and travel related costs but excludes GST. A summary of the project budget by phase is presented in Table 3 – Budget Summary.

T.2 *Hourly Rates*

NAME	HOURLY RATE	APPROX. LEVEL OF COMMITMENT
B&A PLANNING GROUP		
Nathan Petherick *Lead Planner*	$195	11%
Daria McDonald *Senior Planner*	$150	21%
Chris Andrew *Project Planner*	$125	15%
Leclair/Leedham *GIS Specialists*	$135	11%
Steve Morris *Graphic Designer*	$130	6%
SEDULOUS ENGINEERING		
Rob Deverell *Senior Technologist*	$150	31%
Francisco J. Bobadilla *Senior Engineer*	$150	
AGGERS TECHNICAL SERVICES LTD.		
BJ Vickery *Environmental Scientist*	$125	15%

T.3 *Budget Summary*

	ESTIMATED COST
Phase 1: Project Startup, Advisory Committee Formation and Background Information Review	$48,465
Phase 2: Confirmation of Site Evaluation Criteria/Weighting and Preliminary/Final Site Identification	$50,985
Phase 3: Site Servicing Assessment, Order of Magnitude Costing and Development Sequencing	$28,630
Phase 4: Draft/Final Report Preparation and Delivery to Council	$38,580
Total Professional Fees	$166,660
Estimated Disbursements (10% of Total Fees)	$16,666
Estimated Travel Costs ($3,000 per trip [assumes 2-3 persons per trip, 10hr return travel time, 8 trips])	$24,000
TOTAL PROJECT COST (excluding GST)	**$207,326**

6.0 **CLOSING**

We are pleased to have detailed the project team and our proposed approach to address the project requirements. Contained within the Appendix materials you will find supplementary information in support of our proposal submission which speaks further to our company profiles, relevant projects and team members assembled to support this initiative.

APPENDIX

- Company Profiles
- Company Project Sheets
- Team Member Resumes

APPENDIX

COMPANY PROFILES

BROWN & ASSOCIATES PLANNING GROUP

b&a

b&a

Brown & Associates Planning Group provides professional community and land development planning services to a broad range of public and private sector clients. The firm is based in Calgary and is well known throughout southern Alberta as an active member in the community planning and land development sectors.

At Brown & Associates we strive to provide the highest level of customized service to satisfy individual client requirements. Our experienced professionals combine creative thinking, sound judgment and knowledge of the regulatory environment to provide innovative, pragmatic solutions, and efficient approvals.

The firm maintains alliances with related professionals in municipal engineering, landscape architecture, transportation engineering, geotechnical and environmental assessment, law, and consumer research. We can coordinate a team of specialized professionals to meet the needs of any planning and development assignment.

OUR MISSION

To provide strategic, visionary and balanced planning solutions to shape our communities in a socially, fiscally and environmentally sustainable manner.

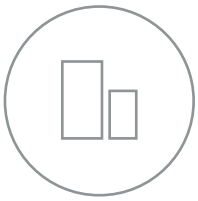
OUR APPROACH

To provide a high level of personalized service by working creatively and effectively with our clients and the consulting team, while respecting the municipal framework and political sensitivities.

For more information please visit **www.bapg.ca**

COMPANY EXPERTISE

SUSTAINABLE URBAN COMMUNITY DESIGN



Visioning, designing, and planning for new residential communities are key services provided by Brown & Associates. We work with the developers, landowners, municipalities, and impacted stakeholders to create efficient and innovative designs and subdivision layouts based on smart growth and sustainability principles. Our knowledge of the approval process provides us with the ability to process applications effectively. Services we provide include representation at Planning Commission and Public Hearings of Council and the preparation and approval of Outline Plans (subdivision) and Land Use Redesignations (zoning).

SUSTAINABLE RURAL COMMUNITY DESIGN

Brown & Associates have assisted landowners, developers and municipalities to engage in planning for more innovative and sustainable communities within rural areas. This work has included the preparation of plans for clustered communities with environmentally friendly water and sewer services. Our plans often incorporate a mix of housing types, a local commercial centre, and low-impact development features which retain natural features, provide extensive recreational trails, and incorporate zero-discharge stormwater management plans.

MUNICIPAL POLICY PLANNING

Brown & Associates have assisted large and small municipalities throughout Alberta to prepare land use policy documents and implementation bylaws such as Municipal Development Plans (MDP) and Area Structure Plans (ASP). These projects require a sound knowledge of Alberta planning law, an ability to quickly understand the local development context, the use of effective techniques to engage stakeholders and advisory groups, and a knowledge of alternative approaches to the implementation of local policies.

COMMERCIAL & INDUSTRIAL PLANNING

For many years, Brown & Associates have played an integral role in the successful approval of both large and small commercial and industrial developments. We have had proven success carrying out site design, rezoning applications, community relations, Council liaison, design team coordination, and municipal issue resolution. In the case of aging industrial sites and obsolete facilities, we work with experts on complex environmental issues which need to be addressed during the planning process.

DEVELOPMENT APPROVALS

Brown & Associates have accumulated a detailed knowledge of the fundamental principles underlying land use bylaw regulations. Our technical expertise applies to small and large scale developments and is most effective when working with teams of architects and engineers. Whether you are a builder, architect or land owner, our objective is to provide efficient and timely service to move your project through the municipal approval process.

GROWTH STUDIES/ANNEXATION

Brown & Associates have worked with municipalities to respond to the opportunities presented by growth by assisting with growth management and annexation processes. Our staff has prepared formal pre-annexation growth studies that forecast long-range land requirements, identify preferred and strategic lands, and determine municipal boundaries that will accommodate growth. We have experienced professionals who can assist with parts of a municipal annexation or throughout the entire annexation process.

PUBLIC CONSULTATION

Brown & Associates have conducted public consultation and stakeholder engagement programs for a diverse range of projects. We design and manage these programs to reflect the context and scale of a project and the requirements of our clients, approval authorities and stakeholders. Techniques can include individual stakeholder meetings, advertising and newsletter communications, public workshops and charrettes, open house meetings, and public opinion surveys.

SPECIAL STUDIES

Special studies are often required to identify preferred development opportunities and to establish implementation requirements for key landholdings and large infill sites. Brown & Associates prepare special studies based on client objectives, knowledge of relevant land use policies, future market opportunities forecasts, and analysis of the local context.

NATURAL RESOURCES DEVELOPMENT

Brown & Associates provides planning services for the sustainable development of Alberta's natural resources. This requires the coordination of multi-jurisdictional regulatory and approval processes while working with operating and reclamation experts from a wide variety of disciplines. We prepare conceptual design and communication programs for aggregate operations, mineral quarries, landfill sites, sour gas wells and power generation plants. Conceptual phasing and operation plans incorporate environmental assessment and impact mitigation strategies. Brown & Associates also provides expert land use testimony and reports for proponents and/or intervenors appearing before the Alberta Energy and Utilities Board, the Natural Resources Conservation Board and the Municipal Government Board.

For more information and project samples please visit **www.bapg.ca**

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BROWN & ASSOCIATES

GIS SERVICES

b&a

GIS EXPERTISE

B&A is equipped with a client-oriented, dynamic GIS team that brings an innovative approach to integrating GIS with the planning process. We offer our clients a new technological approach to problem solving in planning and decision making. B&A uses state of the art technology in GIS and can add another level of information to aid in client projects.

B&A's GIS team has a varied background with experience in the utilization of GIS in a variety of applications. We believe that a GIS can be a great planning tool as part of a project to add value and analysis in either smaller or more significant aspects.

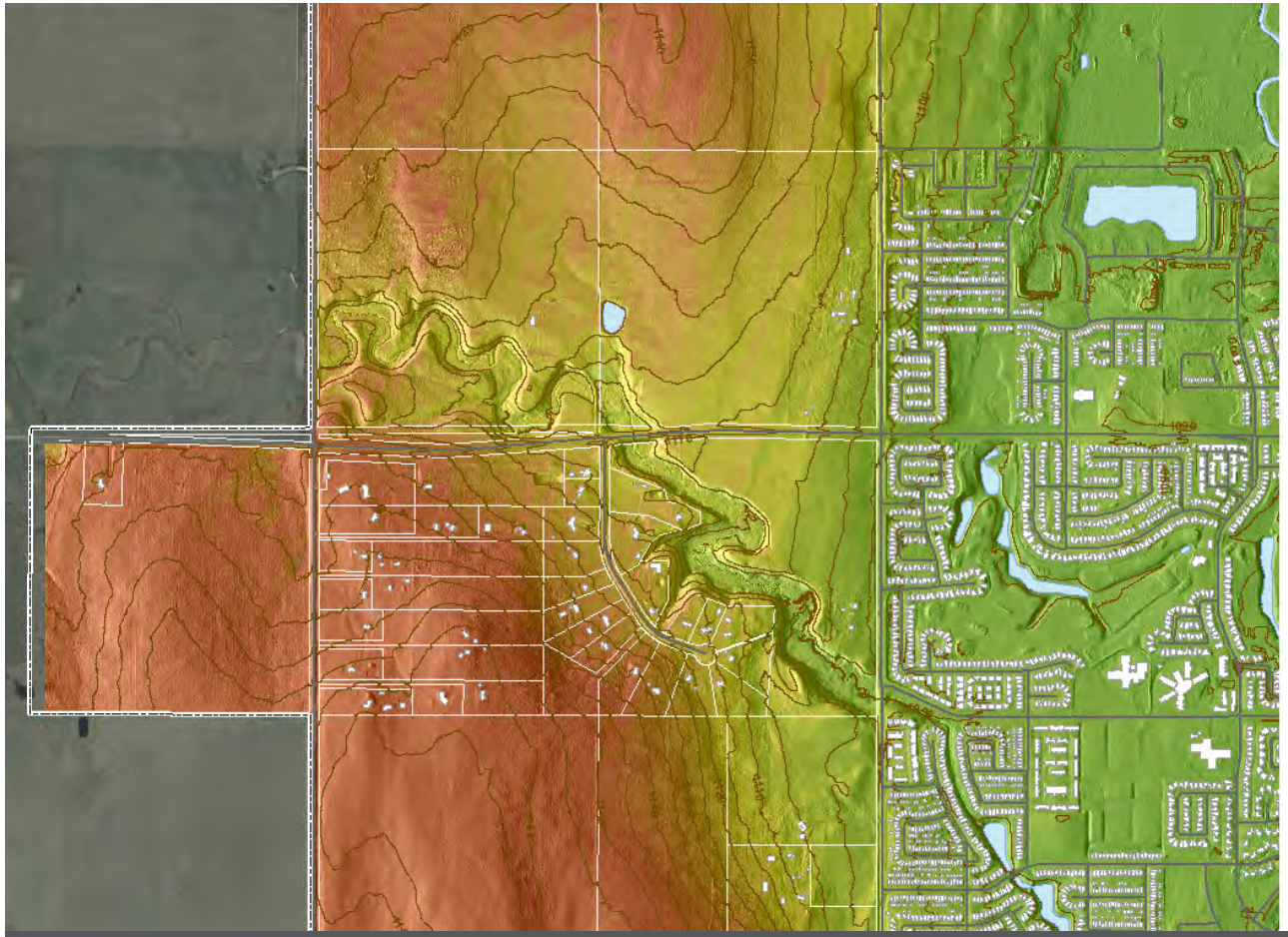
The team's areas of expertise include:

- *Data Management*
- *Network Analysis*
- *Asset Management*
- *Cartographic Mapping*
- *Site Analysis*
- *3D Capabilities*
- *Site Selection / Growth Management*
- *Web Mapping*

OUR NEW GIS TEAM

JP Leclair
Senior GIS/City Engine Technologist

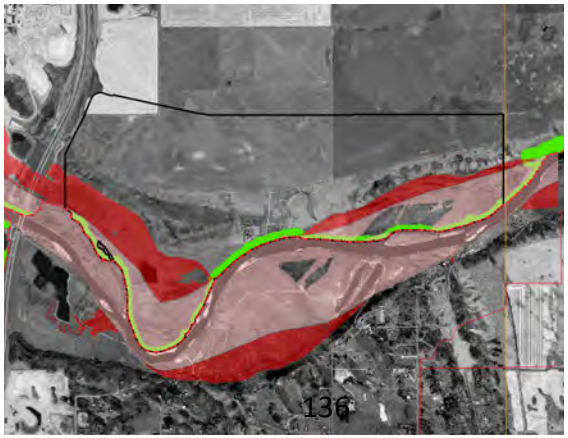
Russ Leedham
Senior Planning Technician

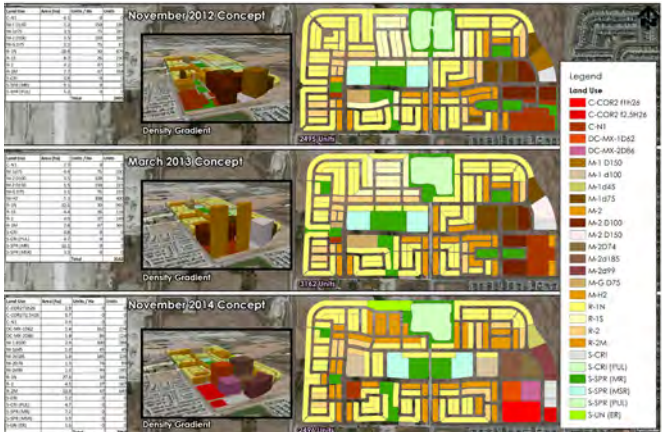


GIS Benefits in Planning

Urban Planning principles are based around the understanding of the physical aspects of the land and how they can be adapted to the social and economic aspects of a region. A geographic information system (GIS) is a powerful tool that utilizes spatial features and allows for the visualization, analysis, and interpretation of any underlying data associated with spatial features. With the diverse and expansive data required for planning projects, applying analytical spatial tools that GIS offers can greatly enhance the final product.

B&A has the expertise to apply the technical skills required to operate and deliver these GIS services to benefit current and future planning projects. Practices such as site analysis, land use data management, cartographic mapping, site selection, analyzing traffic and pedestrian networks, as well as various 3D capabilities are all enhanced using a GIS.



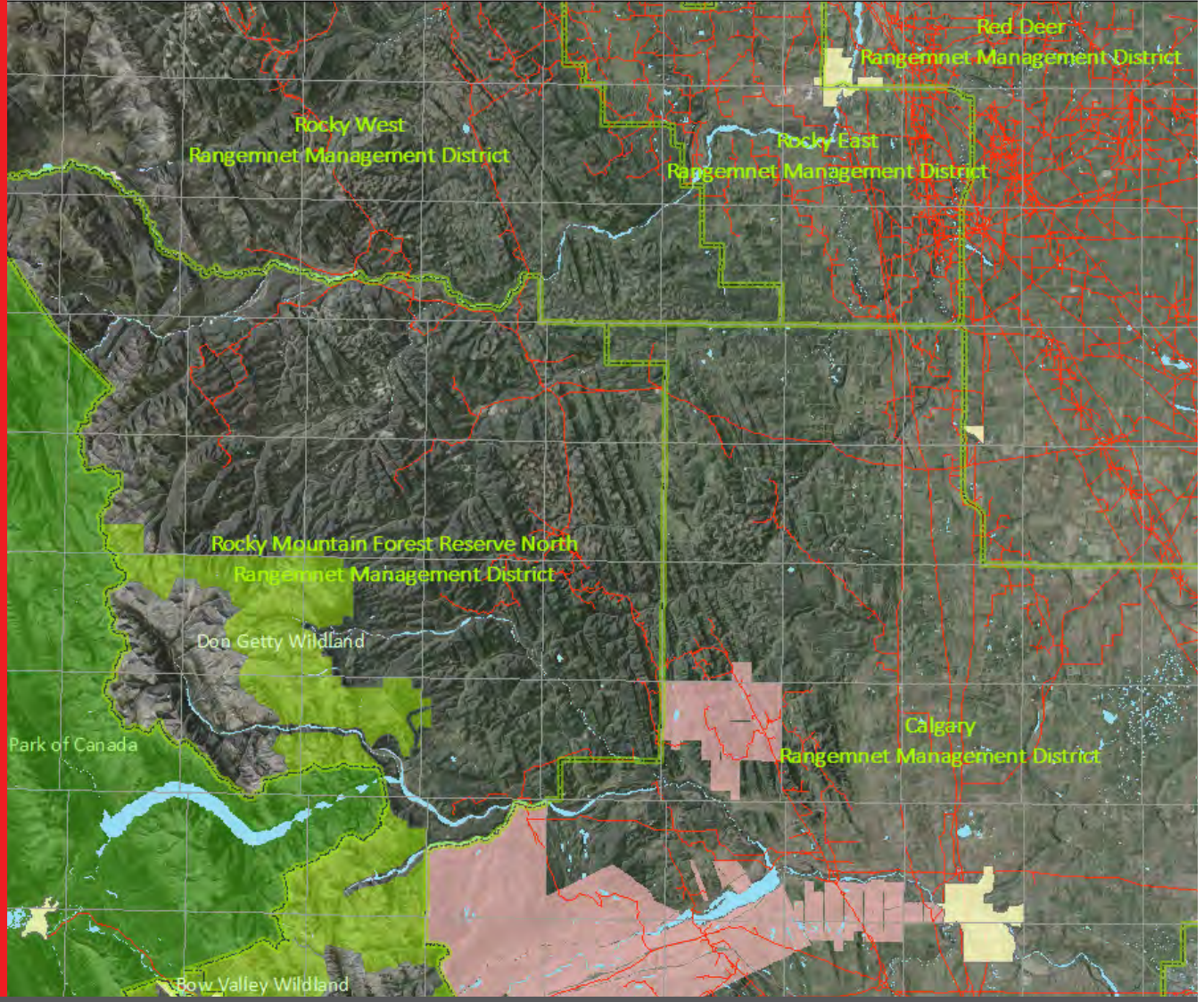


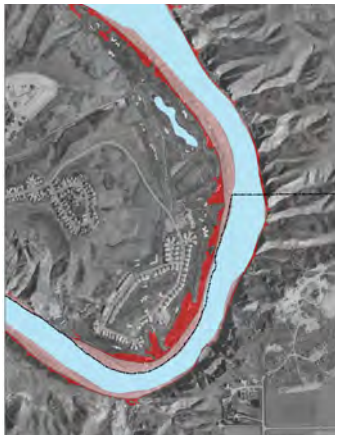
Data Management

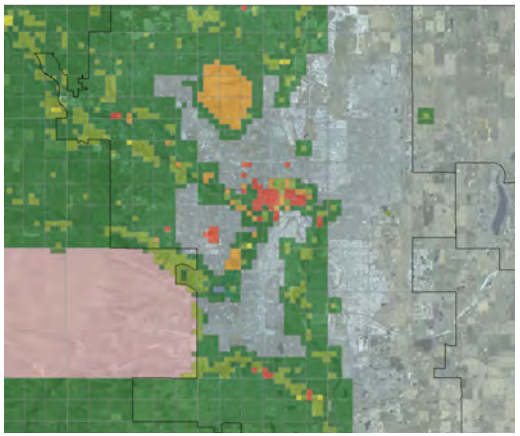
GIS is based around proper use and management of the data which represents the various spatial features used in analysis. Data management is not the most ostentatious, yet is critical to properly and efficiently utilize the tools and power of GIS. A series of databases run behind the scenes of any give set of spatial features.

The GIS group at B&A understands the importance of properly managing data for current and future projects. Information needed for planning projects can come in a variety of software platforms. B & A has the ability to work across these platforms to utilize AutoCAD, Microstation, tabular, and other formats and create mapping products and provide clients with data on whatever platform they require.

GIS software is ever expanding and allows for the opportunity to leverage data from other sources. This can be in the form of open data that various institutions may release or internal GIS software data which provides additional source of information such as neighbouring features, aerial photos, and terrain data.







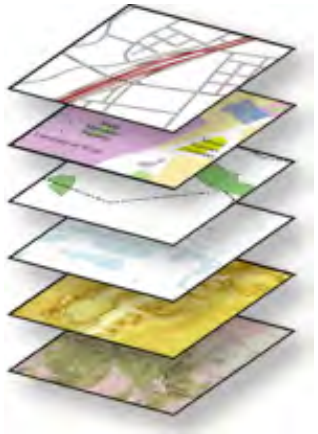
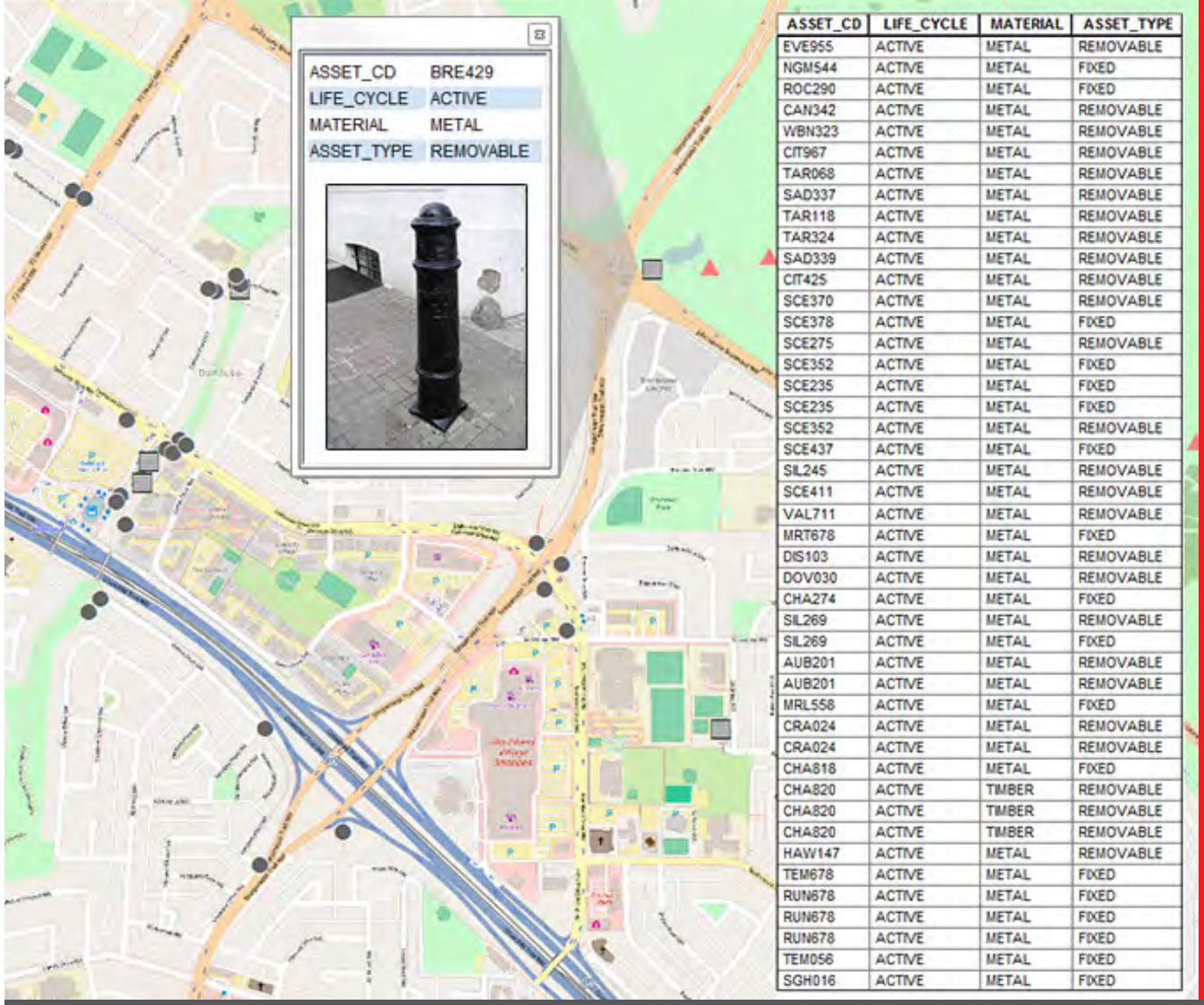


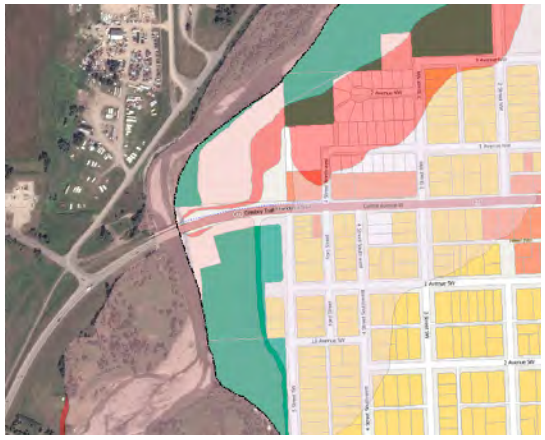
Image courtesy of : www.ersi.com

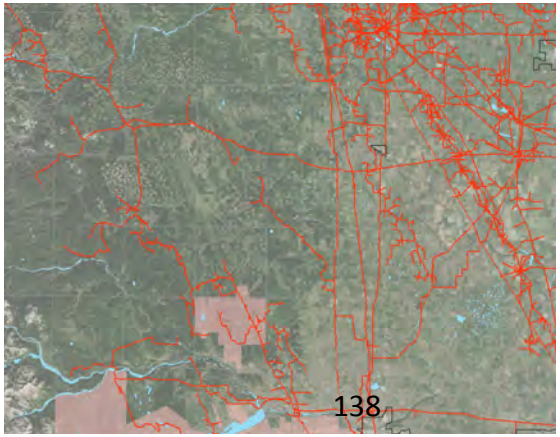


ASSET_CD	LIFE_CYCLE	MATERIAL	ASSET_TYPE
EVE955	ACTIVE	METAL	REMOVABLE
NGM544	ACTIVE	METAL	FIXED
ROC290	ACTIVE	METAL	FIXED
CAN342	ACTIVE	METAL	REMOVABLE
WBN323	ACTIVE	METAL	REMOVABLE
CIT967	ACTIVE	METAL	REMOVABLE
TAR068	ACTIVE	METAL	REMOVABLE
SAD337	ACTIVE	METAL	REMOVABLE
TAR118	ACTIVE	METAL	REMOVABLE
TAR324	ACTIVE	METAL	REMOVABLE
SAD339	ACTIVE	METAL	REMOVABLE
CIT425	ACTIVE	METAL	REMOVABLE
SCE370	ACTIVE	METAL	REMOVABLE
SCE378	ACTIVE	METAL	FIXED
SCE275	ACTIVE	METAL	REMOVABLE
SCE352	ACTIVE	METAL	FIXED
SCE235	ACTIVE	METAL	FIXED
SCE235	ACTIVE	METAL	FIXED
SCE352	ACTIVE	METAL	REMOVABLE
SCE437	ACTIVE	METAL	FIXED
SIL245	ACTIVE	METAL	REMOVABLE
SCE411	ACTIVE	METAL	REMOVABLE
VAL711	ACTIVE	METAL	REMOVABLE
MRT678	ACTIVE	METAL	FIXED
DIS103	ACTIVE	METAL	REMOVABLE
DOV030	ACTIVE	METAL	REMOVABLE
CHA274	ACTIVE	METAL	FIXED
SIL269	ACTIVE	METAL	REMOVABLE
SIL269	ACTIVE	METAL	FIXED
AUB201	ACTIVE	METAL	REMOVABLE
AUB201	ACTIVE	METAL	REMOVABLE
MRL558	ACTIVE	METAL	FIXED
CRA024	ACTIVE	METAL	REMOVABLE
CRA024	ACTIVE	METAL	REMOVABLE
CHA818	ACTIVE	METAL	FIXED
CHA820	ACTIVE	TIMBER	REMOVABLE
CHA820	ACTIVE	TIMBER	REMOVABLE
CHA820	ACTIVE	TIMBER	REMOVABLE
HAW147	ACTIVE	METAL	REMOVABLE
TEM678	ACTIVE	METAL	FIXED
RUN678	ACTIVE	METAL	FIXED
RUN678	ACTIVE	METAL	FIXED
RUN678	ACTIVE	METAL	FIXED
TEM056	ACTIVE	METAL	FIXED
SGH016	ACTIVE	METAL	FIXED

Asset Management

Asset management is essentially a way to expand upon databases which intend to track whatever assets / inventory are important to an organization. Asset management is primarily utilized in municipal environments to track pertinent information of spatial features. This is done in order to better minimize and understand costs of maintaining the critical assets that impact the municipality. A well-structured GIS for asset management can benefit the client as an effective way to track assets in a database format while simply visualizing the data required for analysis.





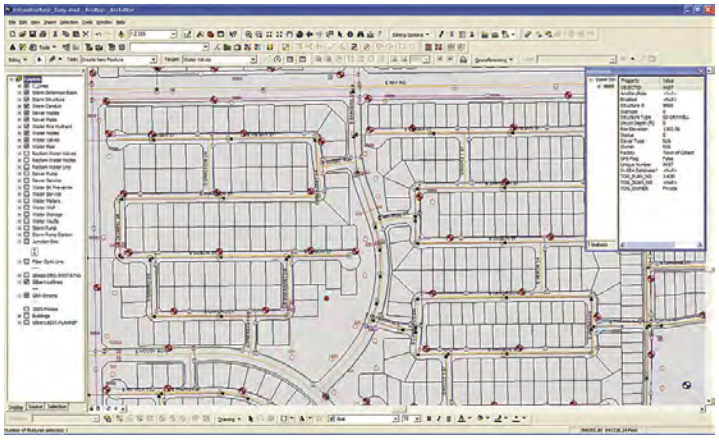
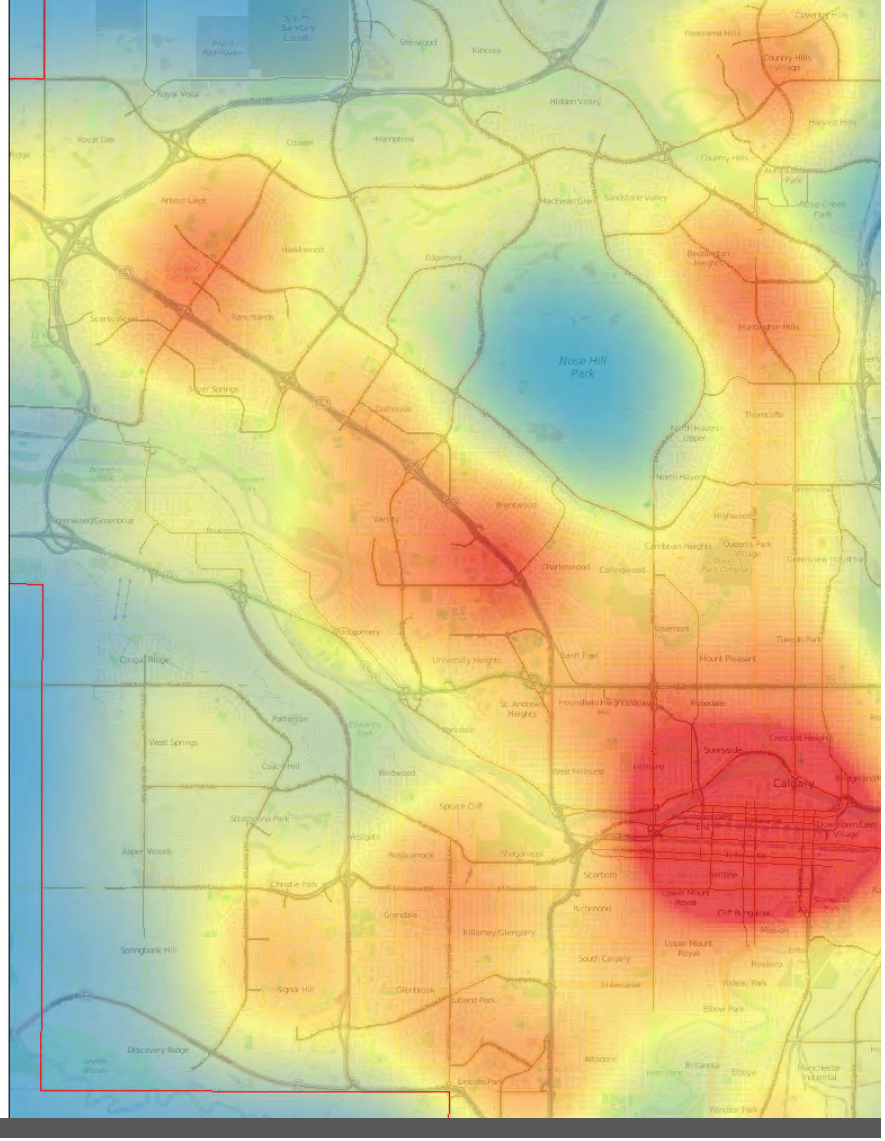
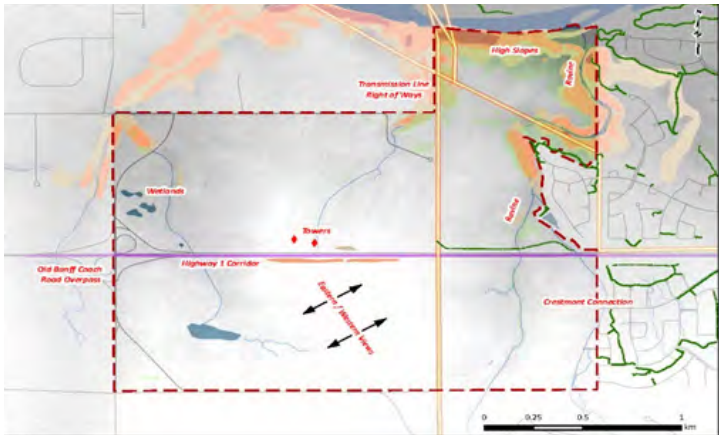


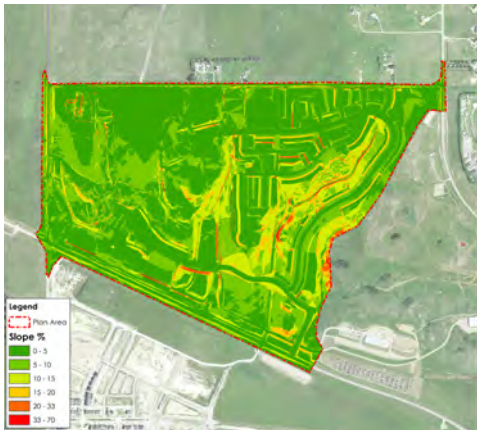
Image courtesy of : www.ersi.com

Site Analysis

Perhaps the most comprehensive and important stage of any planning project is to understand existing site conditions of a project. This can range from environmental influences such as floodways, soil conditions, and tree coverage; anthropogenic features such as traffic circulation, viewsheds, zoning and pipeline data. In addition to traditional spatial data, any information with a relation to the land such as demographics can be represented in GIS. The true power of GIS for site analysis comes when required conditions and constraints are aligned with each other and the spatial relationships are analyzed and interpreted.

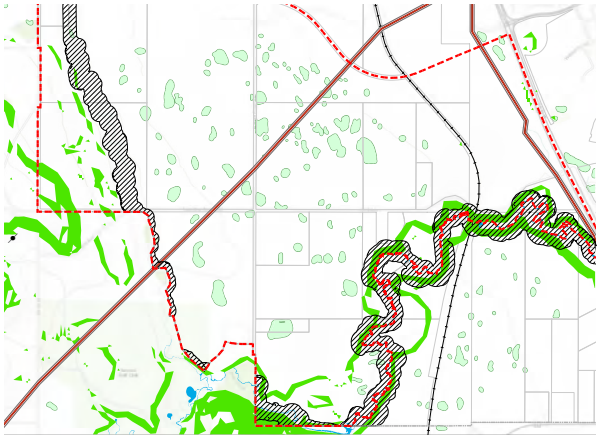


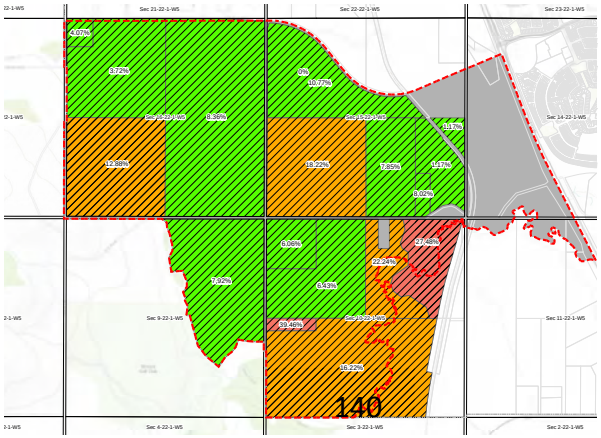


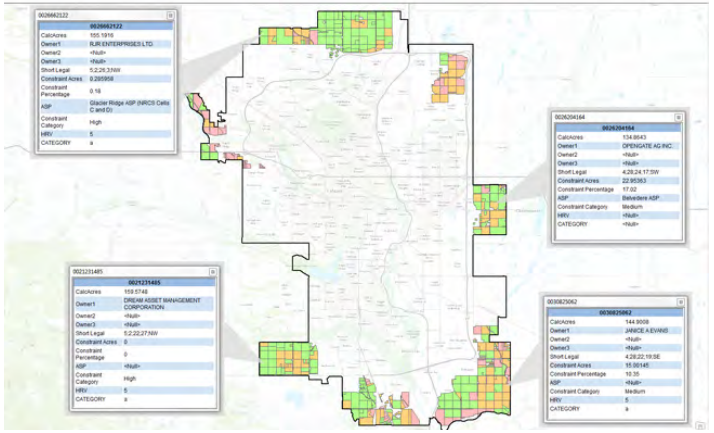


Site Selection/ Growth Management

Site selection is a common GIS workflow which involves finding the most ideal location for a specific amenity. This could include a school, transit hub, business, or major industrial centers. Similar datasets and the theory of layering data to understand spatial relationships are utilized in site selection. In addition to this, defining criteria for site selection such as walking distances, neighbourhood demographics, and traffic volumes will structure the analysis for determining where the most ideal location is for the amenity. This theory can also be reversed to analyze what impact a development will have on the neighbouring community and what it will mean in terms of demographic shift or traffic implications for example.







Network Analysis

Expanding on the Site Selection tools within GIS, B&A uses Network Analysis functionality which informs on traffic and pedestrian networks with respect to walking and driving distances and times. This is an important tool in planning as it can address what lies within specified areas of transit hubs, schools, community activity centers and other amenities. A variety of information can be derived from this; what areas or distances are covered within specific land uses? What demographics are served by various amenities? And other spatial related questions.

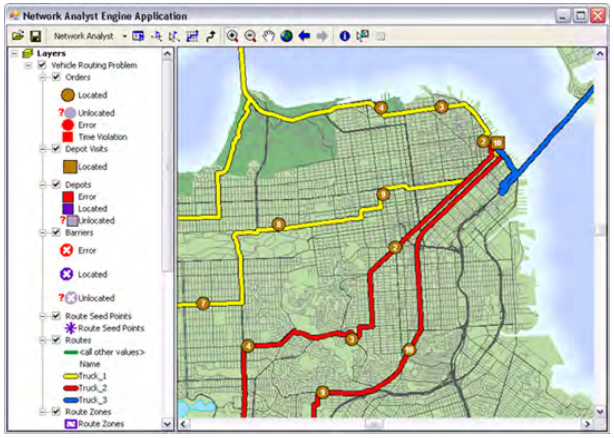
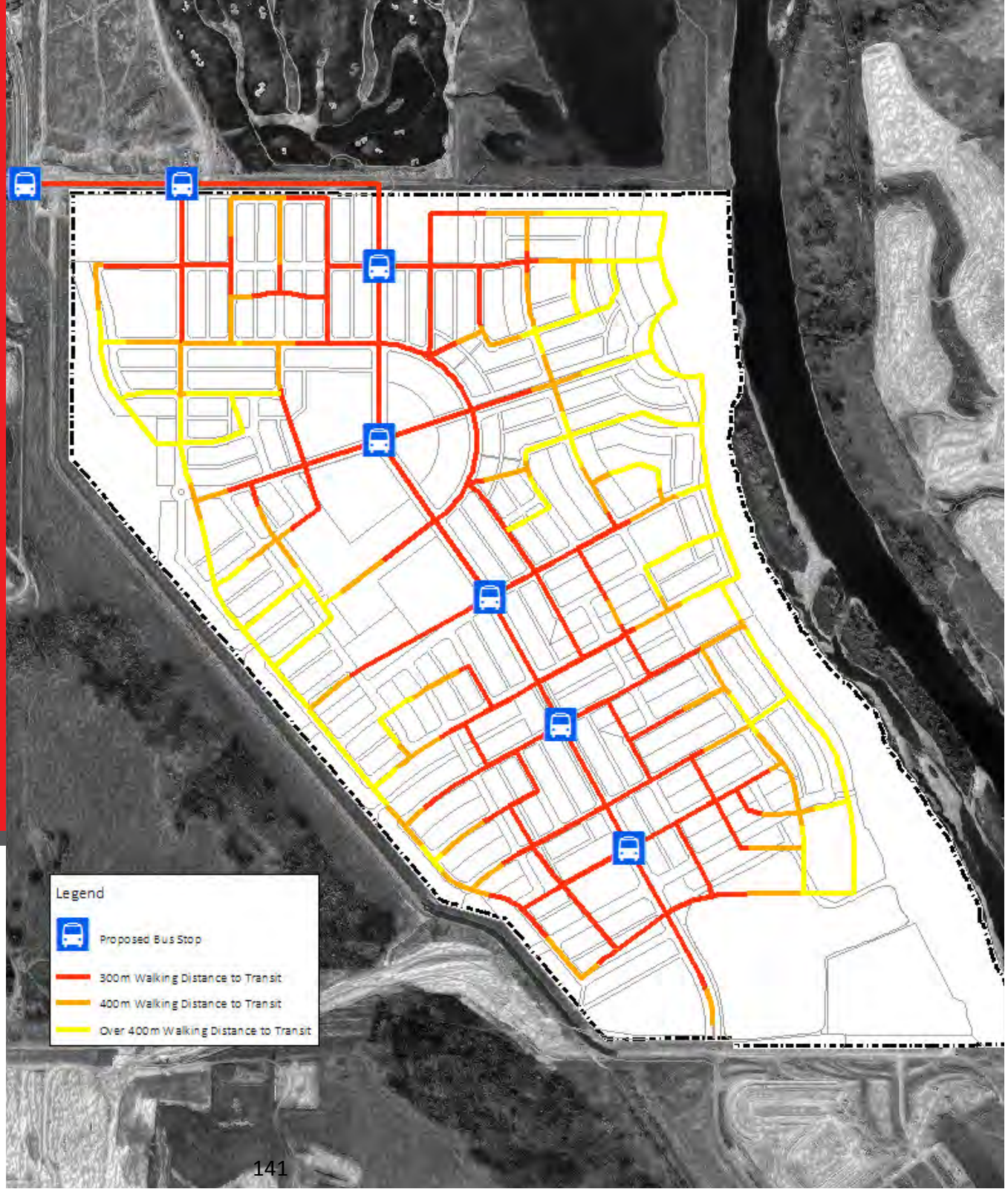
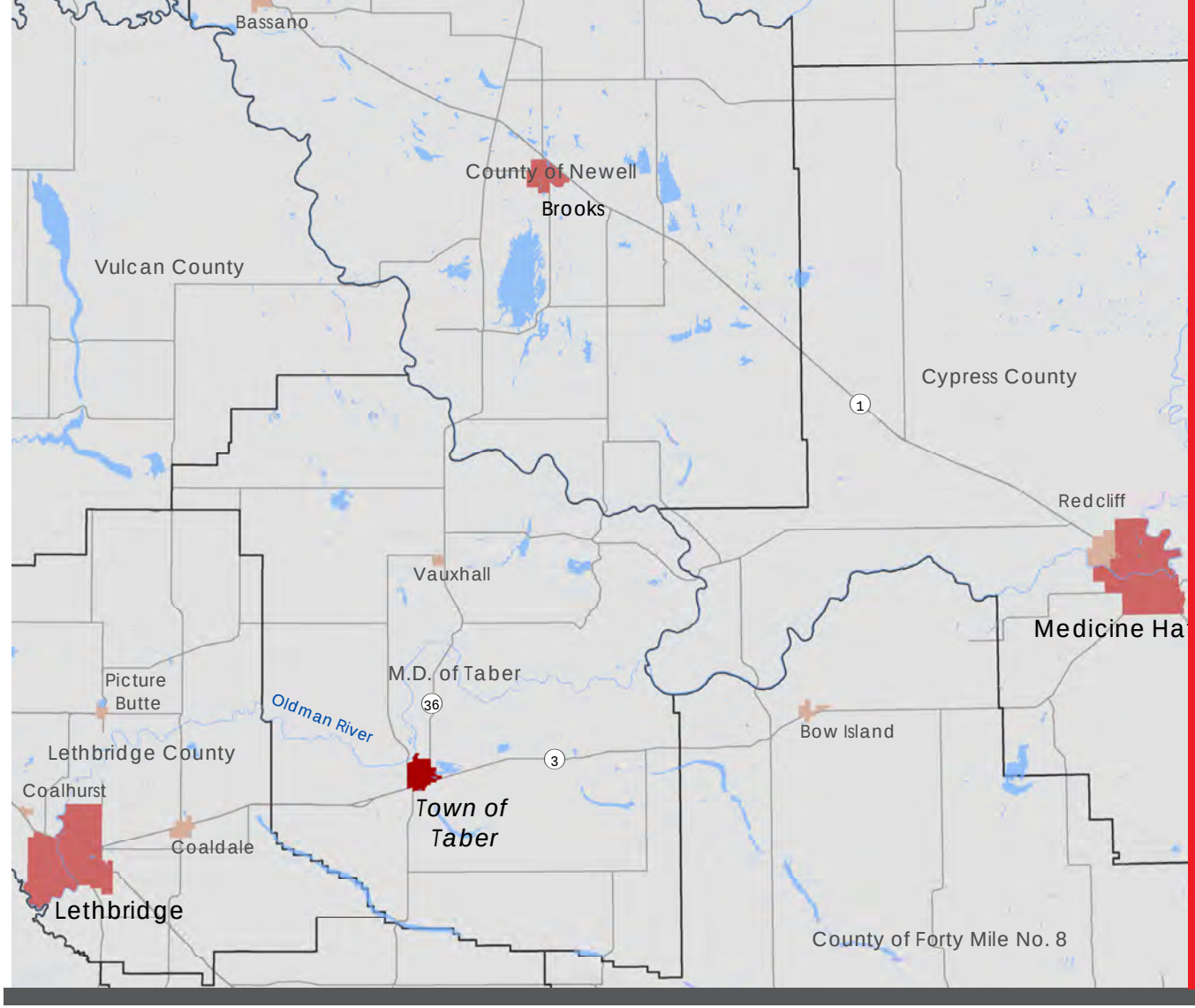


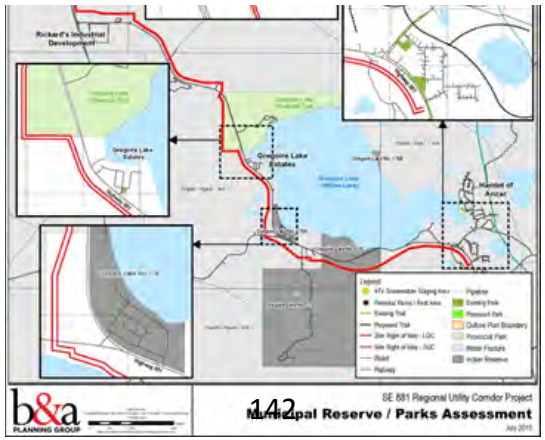
Image courtesy of : www.ersi.com

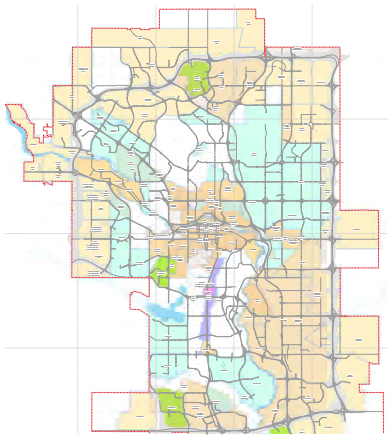


Cartographic Mapping

Whether it be a simple site plan or a detailed site analysis, the ability to create aesthetic cartographic maps is simple and efficient using GIS. Compared to other programs that require manual placement of many features in addition to the base features, GIS utilizes the inherent attribute data to power colour schemes, symbology, and labelling allowing for efficient production of high quality maps. Maps can be general info, display associated information, or detailed maps to show various levels of information.



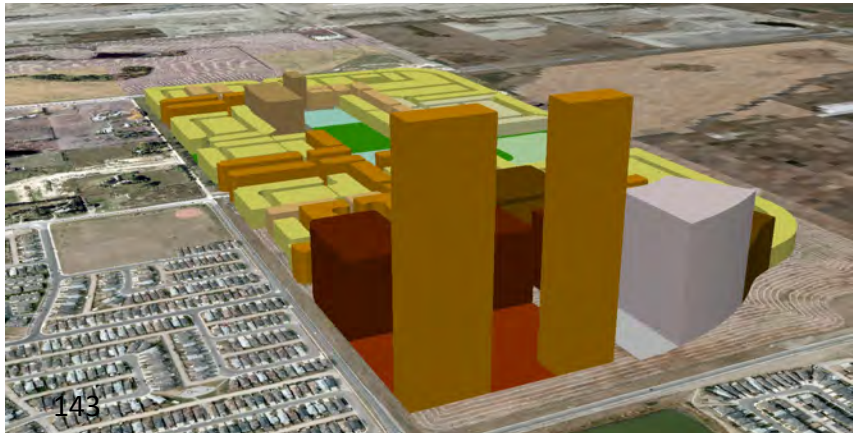


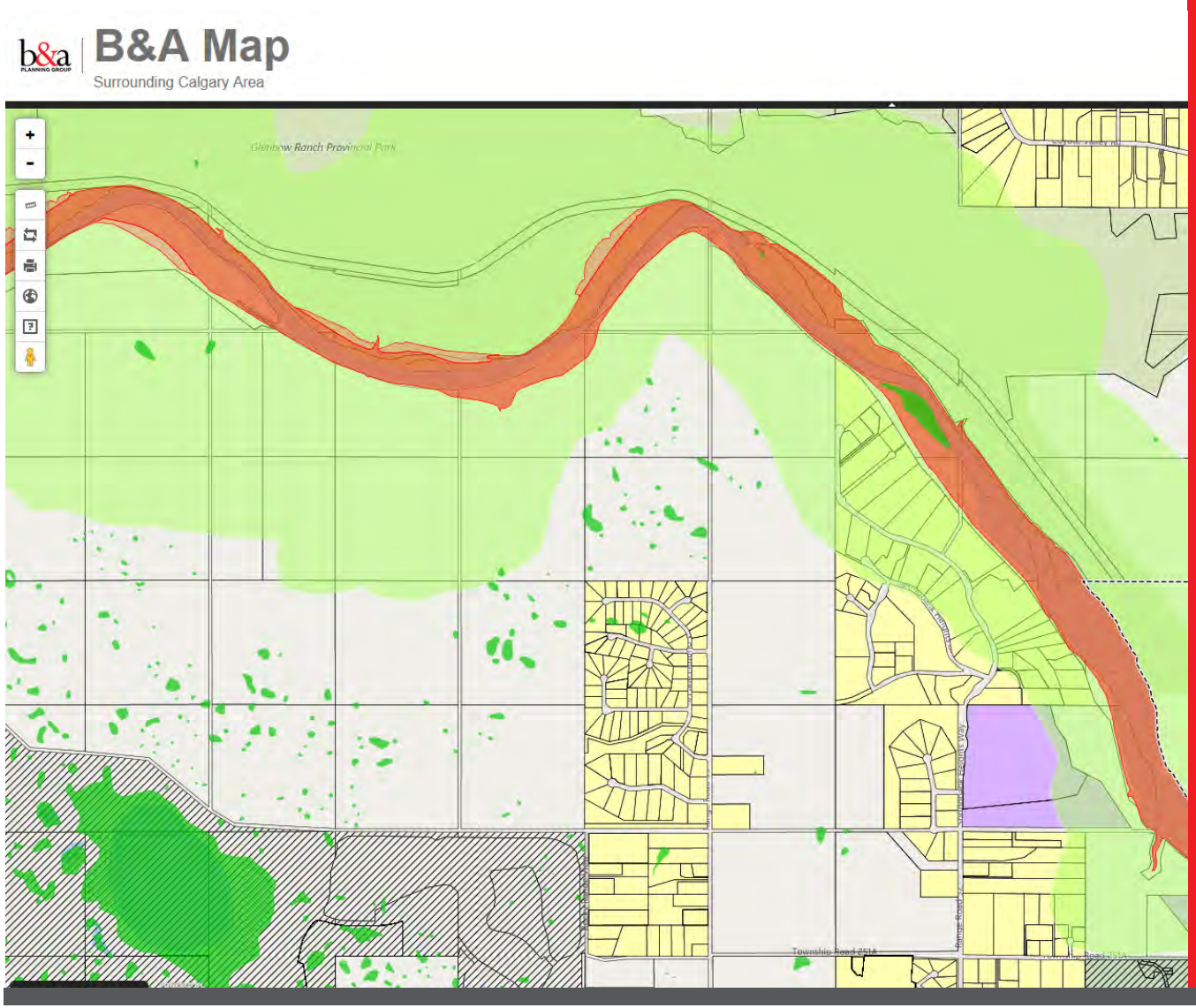


3D Capabilities

B&A's GIS solutions use highly data for 3D projections from showing existing land to representation of how density and new development will affect a community. GIS enables the visualization and understanding of natural conditions such as ground slope, aspect, flood implications, and drainage. Both natural and anthropogenic features can be assessed for their impact on future and existing communities, such as the ability to understand what views will and won't be restricted when new buildings are introduced into existing developed areas, when assist in the preservation and enhancements of view sheds. The same technology can help to understand the impact of shadows on the site's surroundings at various times of the year.

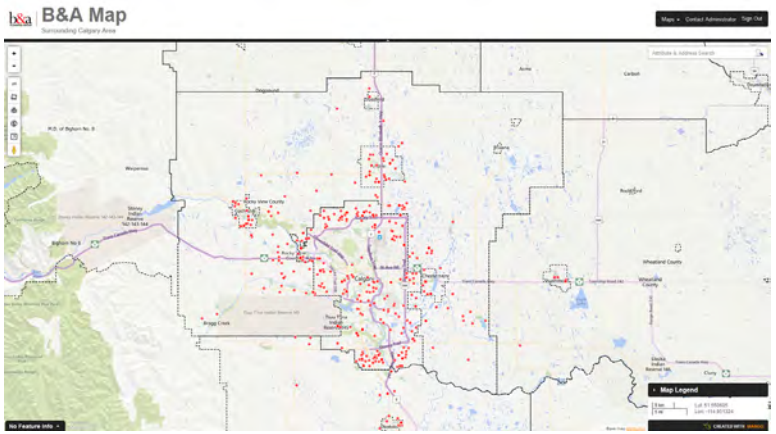
B&A utilizes CityEngine technology as part of its GIS program. CityEngine allows for 3D mass modelling of urban environments derived from existing 2D GIS data. B&A has the ability to create large scale urban environments efficiently and quickly based on the underlying GIS data and modeling rules resulting in highly detailed landscape. Clients can visualize new developments, their impact on existing neighbourhoods, and potential changes in variables like zoning, density, and building heights.





Web Mapping

There is an increasing demand to have mapping products readily available and quickly share with clients and other users alike over the internet. B&A recognizes this need and the multiple platforms available to share information. Using web mapping eliminates the need to create hard copy, transferring digital copies, and allows for customization. B&A uses web mapping to share information internally, and also can provide clients with web maps to show different concepts, options, and plans simply and effectively.



JP LECLAIR

Senior GIS Technologist

CONTACT

Phone 403 692 5228

Email jleclair@bapg.ca

Fax 403 262 4480

Address Suite 600 940 6 Ave SW, Calgary, AB T2P 3T1

PROFESSIONAL HISTORY

1 **SENIOR GIS TECHNOLOGIST**, B & A Planning Group
November 2014 - Present

2 **GIS ANALYST**, Walton International Inc.
2013 - October 2014

3 **GEOSPATIAL ANALYST**, Airborne Imaging Inc.
2007 – 2010

CAREER SYNOPSIS

As Senior Geographic Information System (GIS) Technologist, JP is charged with the development of our GIS Program to support project diversification, advanced analysis, business development, and internal business needs. He works closely with urban and regional planners as well as planning technicians to effectively integrate GIS into a wide range of development proposals and projects.

JP has a solid understanding of the role of GIS in the land acquisition and development process from an organizational as well as a project by project perspective. His most recent work experience is with a land acquisition and development company in the private sector. Other experiences include City of Calgary Parks GIS asset management team member, aerial laser survey analyst, and GIS technician for an Oil and Gas company. He has strong technical knowledge and abilities in the creation, management, analysis and output of spatial data.

JP has an extensive background in GIS technology. He is well versed in the ESRI ArcGIS software suite. As well as experience in working with database, survey, and LiDAR technology. He is prepared to assist staff and clients in maximizing the use of geospatial technology to meet business requirements in a cost effective, quality conscious and efficient manner.

EDUCATION

SAIT B.App Technology in GIS

UofL BSc Geography (Concentration in GIS)

RUSS LEEDHAM

Senior Planning Technician, BGIS (Hons), Dip (GETech)

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Fax 403 262 4480

Address Suite 600 940 6 Ave SW, Calgary, AB T2P 3T1

PROFESSIONAL HISTORY

1 **SENIOR PLANNING TECHNICIAN**, B&A Planning Group
April 2015 - Present

2 **GIS SPECIALIST**, AMEC Environmental and Infrastructure
November 2013 - November 2014

3 **REGIONAL GIS TECHNICIAN**, Calgary Regional Partnership
September 2012 - November 2013

CAREER SYNOPSIS

Russ' 7 years of diverse career opportunities as a GIS/Geomatics professional has allowed him to work on projects such as: regional growth management, urban land planning, transportation consulting, environmental infrastructure, civil engineering, and geomatics/ surveying applications. Extensive use of ESRI ArcGIS suite, AutoCAD, GPS software, database environments and Microsoft Office platforms were applied in a multitude of circumstances.

Much of this work has involved dealing directly with planners in displaying ideas and concepts from start up to final submissions of projects. Russ' experience in Geomatics and GIS has grown his educational and work backgrounds in the applications of infrastructure and land management which are critical in planning applications.

EDUCATION

U of C MPLAN Candidate

SAIT B.App Technology in GIS

LC Diploma Geomatics Engineering Technology

AWARDS

Degree with Honours in Geographic Information Systems

Sedulous
Engineering Inc.

COMPANY PROFILE

CORPORATE PHILOSOPHY:

Take pride in working with our clients to provide engineering technical services and value based solutions to exceed our client's expectations.

APPROACH:

To find practical solutions and provide substantial front end detailed engineering services that allow for a smooth transition to project implementation. We bring a team approach to problem solving with extensive experience and innovative designs to ensure projects are completed on budget and on schedule.

ORGANIZATION:

Beginning operations in May of 2013, SE is dedicated to earning a reputation for excellence in Civil & Municipal Engineering. We are a Canadian based firm with offices in Calgary, Alberta and Phoenix, Arizona. We are licensed to practice engineering in Alberta, Saskatchewan, and Arizona. We produce our work with the use of dedicated contractors and employees. All members of our team take a personal interest in the success of every project. Although we are a relatively new company, over the years prior to forming SE, our key team members have worked for, and with, a broad spectrum of municipal, provincial and private clients for a wide range of municipal and civil engineering projects. Through combining our technical excellence and diversified backgrounds, we are able to meet and exceed our client's needs. The crucial aspect of our method is to develop innovative, cost-effective and practical solutions for our client's unique requirements. This means:

- Not just understanding but appreciating the client's goals and objectives;
- Utilizing creative problem solving techniques;
- Developing innovative and realistic solutions;
- Assigning only competent, experienced staff to the client's projects.

At SE, we are building our foundation on innovation and using the latest technologies in order to understand and deal with the complex systems that support today's communities. Our small, but highly efficient team offers highly trained engineers, technicians and technologists. From preliminary engineering concept designs through to construction certification, our expertise and creativity enable us to deliver upon even the most challenging of civil and municipal engineering projects.

SERVICES:

Municipal Engineering

- Project Management
- Detailed Infrastructure Design
- Regulatory Approvals & Liaison
- Processing Development Approvals
- Development Servicing Reviews
- Master Servicing Planning
- Master Drainage Planning
- Construction Completion Certification
- Final Acceptance Certification
- Detailed Engineering Review

Land Development

- Project Management
- Preliminary Design & Feasibility
- Project Cost Estimating
- Servicing Strategy Reports
- Detailed Civil Engineering Design
- Rail & Spur Line Engineering
- Regulatory Approvals & Liaison
- Stormwater Management & ESC
- Construction Management Services
- Post Construction Management

B.J. (Brendan) Vickery, B. Sc., Principal
2231 – 31 Avenue SW
Calgary AB, T2T 1T7

Corporate Profile - AGGERS Technical Services Ltd.

AGGERS is a consultancy providing development or environmental planning, risk management and regulatory application services for the natural resources extraction industry throughout Alberta with an operations office based in Calgary, Alberta. We offer our clients the experience required in providing timely and cost-effective solutions for regulatory matters associated with the development, construction, operation and reclamation phases for natural resources extraction and heavy construction industry projects.

AGGERS has also developed strategic working relationships with other professionals to provide agrology, archaeology, civil engineering, geosciences, hydrogeology, hydrology, wildlife and vegetation assessment services when and where required.

AGGERS's primary areas for development planning and regulatory applications in Alberta:

- Highway, utility and waterline construction;
- Phase I Environmental Site Assessments (ESAs);
- Federal regulatory applications, screening and authorizations,
    - Fisheries Act, Navigation Protection Act,
    - Species at Risk Act, Migratory Birds Protection Act;
- *Environmental Protection and Enhancement Act* applications,
    - Approvals, Code of Practice Registrations;
- *Public Lands Act* applications for Surface Dispositions,
    - SMC and SML applications,
    - Conservation and Reclamation Business Plans,
- *Water Act* applications,
    - Approvals, Licences; Code of Practice Registrations,
- Municipal Land Use Redesignations and Development Permit applications;
- Environmental Assessments (EA);
- Environmental Impact Assessment (EIA);
- Environmental Inspection and/or Audits,
    - Pits and Quarries,
    - Highway and Utility Construction;
- Environmental Construction Operations (ECO) plans;
- Erosion and Sediment Control (ESC) Plans;
- Pit and Quarry development planning and related regulatory applications;
- Detailed site assessments (DSA);
- Reclamation Certificate applications; and,
- Post-Construction Reclamation Assessments (PCRA).

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REGULATORY PROJECTS (PIT & QUARRY) SUMMARY

- **Inland Aggregates,**
  A Division of Lehigh Hanson Materials Limited, Region Canada, Alberta Area
  - Spy Hill Pit, Care of Water and ESC plan for approved wetlands disturbance (2015)
  - Valiant Pit (West), DSA and Reclamation Certificate application (2014)
  - Valiant Pit (East), DSA and Reclamation Certificate application (2013)
  - Taylor Pit, Mine Plan review and site assessment for Highway widening (2013)
  - Dawes Pit, COP for Pits Registration 5-yr report (2013)
  - Spy Hill Pit, Water Act appl. for wetlands disturbance/compesation (2012-15)
  - Bearspaw Pit, Property divestment, soil sampling for identified areas of concern (2012)
  - Bow City Pit, COP Registration, Activities Plan 5 year update (2012)
  - Butuk Pit, COP Registration, Activities Plan 5 year update (2011)
  - Medicine Hat Pit operations, Cypress County DP application (2011)
  - Spy Hill Pit, Water Act application for wetlands disturbance and compensation (2011)
  - Scott Pit, EA for RVC LU redesignation and DP application (2012-14)
  - Lacombe Pit, COP Registration, Activities Plan 5 year update (2010)
  - Scott Pit, COP registration application (2011)
  - SE Calgary Pit, Mine plan and EA for Calgary DP application (2010)
  - SE Calgary Pit, COP registration application (2010)
  - Scott Pit, EA for RVC LU redesignation and DP application (2009)
  - Scott Pit, COP registration application (2009)
  - Spy Hill Pit, COP Registration application and EA for Calgary DP application (2009)
  - Bearspaw Pit, COP Registration application and EA for Calgary DP application (2009)
  - Deerfoot Pit, MD #31 LU redesignation and DP application (2009)
  - Deerfoot Pit, COP registration application (2009)
  - Berube Pit, detailed site assessment and Reclamation Certificate application (2009)
  - Tosh Pit, COP registration application (2009)
  - Medicine Hat Pit operations, COP Registration application (2008)
  - Dawes Pit, COP Registration application and EA for Calgary DP application (2008)
  - Ponoka #3 Pit, COP registration application (2008)
  - P&G Pit, detailed site assessment and Reclamation Certificate application (2007)
  - Peace River Pit, COP registration application (2007)
  - Taylor Pit, COP registration application (2007)
  - Home Coulee Pit, COP registration application (2007)

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- **Lafarge North America A&C (Lafarge Canada Inc.), Greater Calgary Aggregates**
  - BLV Group, STAR Pit, Activities Plan amendments (2015)
  - BLV Group, STAR Pit, COP for Pits registration 5-yr report (2015)
  - Hughes Pit, Biophysical Impact Assessment and soils survey for RVC MSDP appl. (2013)
  - Spy Hill Pit, COP for Pits registration 5-yr report (2013)
  - Lloyd Pit, Biophysical Impact Assessment and soils survey (2013)
  - Beiseker Pit, Biophysical Impact Assessment and soils survey (2013)
  - Glendale Pit, Biophysical Impact Assessment and soils survey (2013)
  - EPS Pit, Detailed Site Assessment for Reclamation Certificate application (2010)
  - EPS Pit, review EPEA and Water Act requirements for constructed end pit lakes (2010)
  - Deerfoot Pit, COP registration application (2009)
  - BLV Group, STAR Pit, COP registration application (2009)
  - EPS Pit, reclamation assessment (2008)
  - Spy Hill Pit, Activities plan review and prepare detailed reclamation estimate (2008)

- **Lafarge North America A&C (Lafarge Canada Inc.), Greater Edmonton Aggregates**
  - Onoway Consolidation, COP registration application (2009-11)
    - Six integrated pit operations and associated wash plant facility
  - Palahniak Pit COP registration application (2008)

- **Lafarge North America A&C (Lafarge Canada Inc.), Northwest Division Aggregates**
  - TBG Contracting, Wandering River Pit, CRBP preparation for SML (2013-14)
  - Palfrey Pit, DSA and Reclamation Certificate application (2013)
  - Wells-Davis Pit, End Pit Lake design and Reclamation Assessment (2012)
  - TBG Contracting, Site 111 Pit operations, CRBP preparation for SML consolidation (2010)
  - Palfrey Pit, Reclamation assessment (2010)
  - Toker Pit, Reclamation assessment (2008)
  - Palfrey Pit COP registration application (2008)
  - Hudson Pit COP registration amendment (2008)
  - Wells-Davis pit COP registration application (2008)

- **Parsons Creek Aggregates (Joint Venture company), Graymont Western Canada Inc. and Lehigh Hanson Materials Limited**
  - PCA Limestone Project EIA application SIRs (2012)
  - PCA Limestone Project EIA application SIRs (2011)
  - PCA Limestone Project EIA application (2010)
    - responsible for Project description, quarry mine plan concept,
    - Conservation & Reclamation plan,
    - Water management, EPEA and Water Act applications for approval
  - PCA SML operations, EA and audit program for pit activities and operations (2010)
  - PCA SML amendment application and CRBP amendment application (2008)

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- **Volker Stevin Contracting Ltd., Calgary Area**
  - Spy Hill Pit, COP Registration application and EA for Calgary DP application (2009)

- **Solid Rock Products (ALSA Group Inc.), Calgary, Alberta**
  - High River Pit, MD #31 DP application renewal (2015),
  - High River Pit, MD #31 LU Redesignation and DP application (2010),
  - High River Pit, COP registration application (2009)
  - Rockyford Pit, Wheatland County LU Redesignation and DP application (2009)
  - Rockyford Pit, COP registration application (2009)

- **Bremner Engineering & Construction Ltd., Canmore, Alberta**
  - Seebe Pit operations, SML CRBP preparation and new reclamation plan (2009)
  - Gap Lake Pit operations, SML new reclamation plan for site abandonment (2009)

- **Wheatland County, Strathmore, Alberta**
  - Cluny Pit, COP registration application (2013)

- **Caliber Systems Inc., Calgary, Alberta**
  - Cluny Pit, Wheatland County LU Redesignation and DP application (2009)
  - Cluny Pit, COP registration application (2009)

- **ColasCanada Inc. (former Works Alberta), Edmonton, Alberta**
  - Carseland Pit, COP registration application (2012)
  - Boisvert Pit, COP registration application (2009)
  - Christianson Pit, COP registration application and Water Act approval (2009)
  - Gagne Pit, COP registration application (2009)
  - Peace River Pit, COP registration application (2009)
  - Watino Pit, COP registration application (2009)
  - Webberville Pit, COP registration application and Water Act approval (2009)

- **Coalspur Mines Ltd., Hinton, Alberta**
  - Vista Mine Project, EIA report sections for ERCB and AEW submission (2012)
  - Vista Mine Project, CEAA - NWPA screening report for minor works (2011)
  - Vista Mine Project, CEAA - DFO screening report for confirming no HADD (2011)
  - Vista Mine Project, CTA Project Description for rail siding and train load out (2011)

- **Lahrmann Engineering Inc., Lacombe, Alberta**
  - Anderson Pit, COP registration application (2009)

- **MP Crushing Ltd., Kipp, Alberta**
  - Kipp Pit operations, Consolidation of former EPEA approvals for three pit operations, COP registration application and Water Act requirements (2009)

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- **Prairie Creek Quarries Ltd. (Fish Creek Excavating Ltd.), Calgary, Alberta**
  - PCQ Limestone Quarry, Reclamation plan review and cost of reclamation estimate (2014)
  - PCQ Limestone Quarry, EIA scoping application, field inspection and quarry runoff sampling (2008)
  - PCA MSL amendment application and mine plan update (2008)

- **T&T Sand and Gravel, Lacombe, Alberta**
  - Olgilvie Pit, COP registration application (2009)

- **117279 Gravel Ltd. (Estate of A.R. Soutzo), Calgary, Alberta**
  - Soutzo Pit, DSA and Reclamation Certificate application (2011)

REGULATORY PROJECTS (OTHER ACTIVITIES) SUMMARY

- **ATCO Pipelines, Edmonton, Alberta**
  - Southeast Extension Replacement Project, Phase 1 Red Deer-Lacombe area, Post Construction Reclamation Assessment (PCRA) for EPEA approval (2011)
  - Southeast Extension Replacement Project, Phase 1 Red Deer-Lacombe area, EPEA approval, Water Act COP registration and DFO approval (2008)

- **Border Paving Ltd., Red Deer, Alberta**
  - Review Water Act application for storm water runoff and pit dewatering activities (2009)
  - Review for AENV draft Code of Practice for Asphalt Producing facilities (2008).

- **British Columbia Ready Mixed Concrete Association, Langley, B.C.**
  - Compile and prepare draft industry guideline to COP for Concrete and Concrete Products Industry under BC Environmental Management Act (2008)

- **Lafarge North America Cement, Lafarge Canada Inc., Pacific Northwest BU**
  - Exshaw AB Cement Plant, SGER Verification Report (2015)
  - Exshaw AB Cement Plant, SGER Verification Report (2014)
  - Exshaw AB Cement Plant, SGER Verification Report (2013)
  - Exshaw AB Cement Plant, SGER GHG Baseline preparation (2008)
  - Exshaw AB Cement Plant, CCC Offset System Protocol Review (2008)
  - Exshaw AB Cement Plant, EPEA Approval amendment application review (2008)

- **Lafarge North America Aggregates & Concrete, Lafarge Canada Inc., WCAN BU**
  - Prepare emission factor models for WCAN facilities (2012, 2013, 2014)
  - Review AENV draft Code of Practice for Concrete Producing facilities (2010)
  - GHG regulatory review for BC facilities (2010)
  - Prepare emission factor models for WCAN facilities (2007, 2008, 2009, 2010, 2011)
  - Complete NPRI reports for WCAN facilities (2007, 2008, 2009, 2010, 2011)

- **Total SA, Calgary, Alberta**
  - Prepare draft "Green Book," EA summary for Joslyn North Project (2008)

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REGULATORY PROJECTS (EA & EMP) SUMMARY

- **ATCO Pipelines, Edmonton, Alberta**
  - Cold Lake Medley Lateral Replacement, DND – CEAA review, EA for project right of way, C&R activities, EPP preparation (2012)
  - Mulhurst Lateral Pipeline Extension, EA for project right of way, C&R activities, EPP preparation (2012)
  - Calgary North Pipeline Replacement, EA for project right of way, C&R activities, EPP preparation (2012)
  - Calgary SEST Mackenzie Gate Lateral Replacement, EA for project right of way, C&R activities, EPP preparation (2011)
  - Calgary SEST Chaparral Blvd. Pipeline Replacement, EA for project right of way, C&R activities, EPP preparation (2011)
  - Calgary Airport Pipeline Relocation, EA for project right of way, C&R activities, EPP preparation for Calgary Airport Authority (2010)

- **Bremner Engineering & Construction Ltd., Canmore, Alberta**
  - Deadman's Flats Water and Wastewater Servicing, ECO plan & ESC Plan (2013)
  - Cougar Creek Channel Bank Protection, ECO Plan & ESC Plan (2013)
  - Cougar Creek Flood Repairs, ECO Plan & ESC Plan (2012)
  - Design-Build Wildlife Overpasses for HWY 1, EPP preparation for Parks Canada (2009)

- **Carmacks Maintenance Services Ltd., Edmonton and Calgary, Alberta**
  - EMP audits for Peigan-Barlow Highway Yard, Deerfoot Trail (2008-2012)
  - Groundwater monitoring program development, monitoring well installation (2010)
  - EMP preparation for Peigan-Barlow Highway Maintenance Yard, Deerfoot Trail (2008)

- **Dufferin Construction Company (a Division of Holcim Canada Inc.)**
  - EMP for RM Concrete Operations, YYC Second Runway Development (2011)

- **Inland Aggregates,**
  A Division of Lehigh Hanson Materials Limited, Region Canada, Alberta Area
  - Bearspaw Pit, Phase 1 ESA for Lehigh Hanson divestment review (2011)
  - So. Alberta Pit operations, reclamation estimate for Lehigh Hanson liability review (2010)
  - Scott Pit, Phase I ESA for Lehigh Hanson review of acquisition (2008)
  - Lethbridge area Pit, due diligence EA for Lehigh Hanson acquisition review (2007)
  - Bearspaw Pit, due diligence EA for Lehigh Hanson divestment review (2007)

- **Lafarge North America Cement, Lafarge Canada Inc., Pacific Northwest BU**
  - Comox BC, Phase I ESA for facility decommissioning (2010)
  - Ft. St. John BC, Phase I ESA for facility leasehold and acquisition (2009)
  - Ft. Nelson BC, Phase I ESA for facility leasehold and acquisition (2008)
  - Clinton BC, Phase I ESA for facility decommissioning (2008)

b&a PLANNING GROUP

CALGARY METROPOLITAN AREA

REGIONAL LAND EVALUATION AND ACQUISITION FRAMEWORK

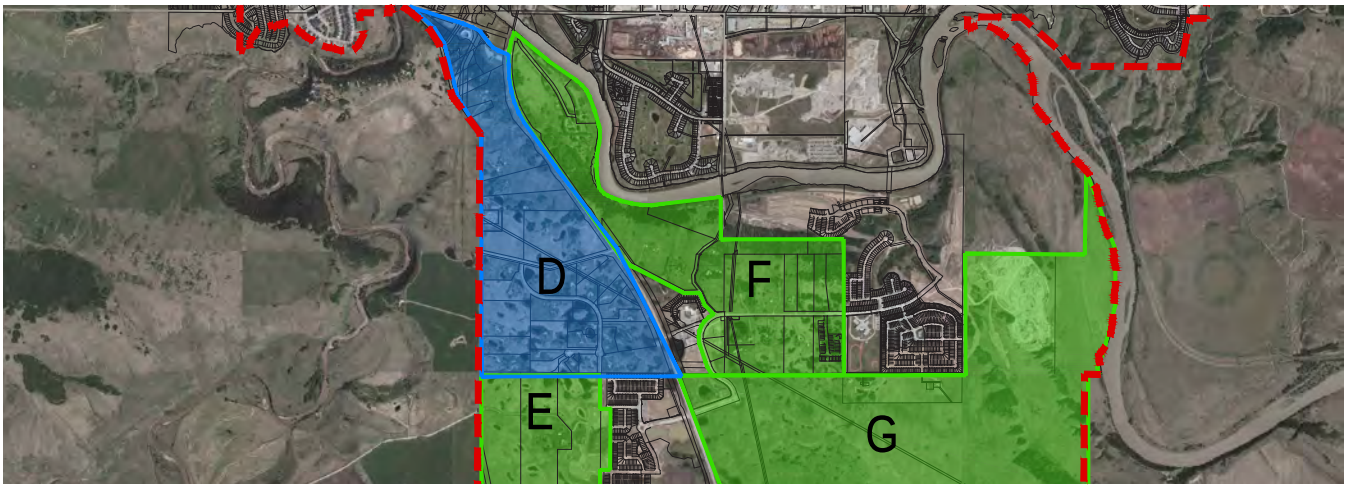
MAY 2014 - APRIL 2015

This project involved a regional analysis of land within the Calgary Metropolitan Area to determine recommendations for strategic land acquisition. Sedulous Engineering Inc. was the engineering sub-consultant who provided the servicing analysis.

This project being much larger in scale employed a 'high level' and then a 'detailed level' approach to allow B&A to narrow down the analysis. B&A worked with the client to identify key areas to focus the analysis. These were four municipalities outside of Calgary. The first phase of the study involved a background analysis for each municipality such as population, key indicators of growth, general development trends and policy. Interviews were conducted with officials and or planning experts in each municipality to obtain insights. Undeveloped areas were identified within each municipality, which then divided into priority growth areas. High level criteria included municipal and provincial policy, development trends, and servicing considerations.

The servicing analysis was integrated into the planning evaluation by looking at serviceability and off-site cost risk. Priority growth areas were further classified into high, medium and low priority based on their score range and development horizon (time until development begins/ ground is broken).

Detailed level criteria for areas within priority growth areas were identified as fiscal sustainability, opportunity and constraints, amenities and community services. Each priority growth area was assigned a total score and incorporated into the overall recommendation. A comprehensive final report including multiple maps, tables and graphics was provided to the client. This report serves as a tool that assists Genesis with making decisions with respect to its corporate land acquisition framework.



For more information visit **www.bapg.ca**

CITY OF CALGARY

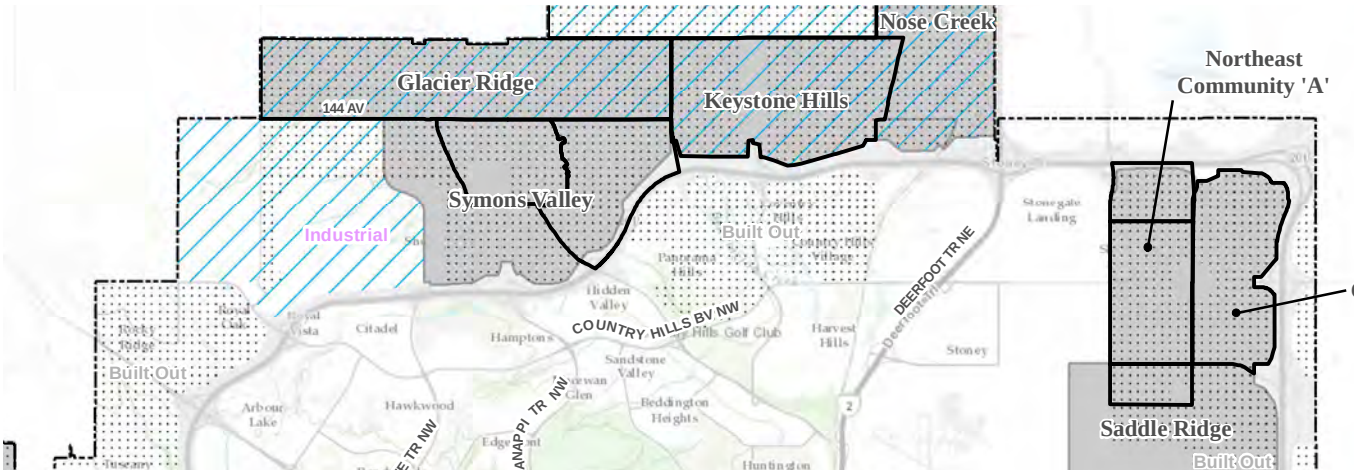
MUNICIPAL LAND EVALUATION AND SITE IDENTIFICATION

MARCH 2015 - OCTOBER 2015

The initial phase of the project included a background analysis along with the development of evaluation criteria. Overall, the work involved policy analysis, and Geographic Information System (GIS) mapping. This project being regional in scale employed a 'high level' and then a 'detailed level' approach to the criteria which allowed B&A to narrow' down the areas for analysis into priority growth areas. High level criteria included municipal policy, development trends, and overall servicing considerations. In this project a significant amount of servicing information is already made available by the City of Calgary and for this reason, an engineering consultant was not required. Much of the servicing analysis is integrated into the City's growth management framework. Recommendations center on the development horizon for priority growth areas. Supplemental maps were provided showing amenities and community services.

GIS served as a powerful tool in this report for both the analysis and the presentation of results. Greenfield areas were identified by filtering through a variety of layers in GIS. The resulting greenfield areas then had various attributes added to them, such as the land title and municipal policy information. Various maps were produced according to these different attributes. A constraint analysis was also done using GIS to create a developability index. This index was created by overlaying a variety of land development constraints within certain land parcels within the greenfield areas. Web mapping was also utilized to communicate the analysis and results with the clients.

A comprehensive final report including multiple maps, tables and graphics was provided to the client. This report serves as a tool that assists Genesis with making decisions with respect to its corporate land acquisition framework.



APPENDIX

COMPANY PROJECT SHEETS

CALGARY METROPOLITAN AREA

ASSET MANAGEMENT, LAND DISPOSITION AND ACQUISITION

JUNE 2014 - NOVEMBER 2014

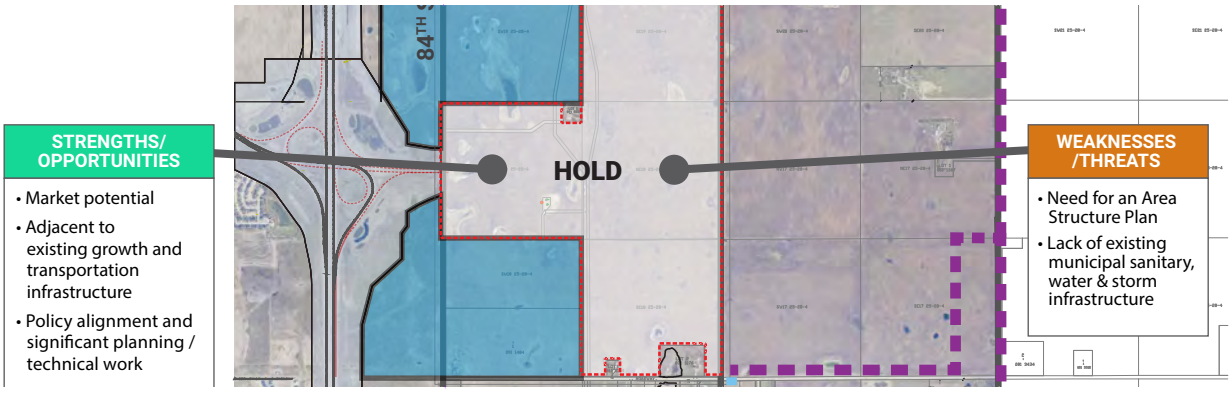
Throughout 2014 to 2015, Brown and Associates (B&A) prepared a series of land use planning research and analysis reports to support on-going strategic initiatives of Genesis Land Development Corporation. The first report involved a review and assessment of existing assets along with recommendations for disposition, holding and acquiring land assets. Sedulous Engineering Inc. was the engineering sub-consultant who provided the servicing analysis which supplemented the planning review in order to inform recommendations.

For this project, B&A adapted Rocky View County's evaluation framework currently being used to evaluate conceptual schemes to provide the most realistic scenario for the client. In essence, this involved a 'pre-screening' of assets according to B&A's professional planning assessment and interpretation of the criteria. Recommendations were also based on an anticipated time frame for each asset. As such, lands were placed within a short term, medium term and long term horizon for development.

Criteria considered included the following:

- Location and context
- Adjacent land uses
- Opportunities and constraints
- Proximity to existing or planned servicing
- Market factors and considerations

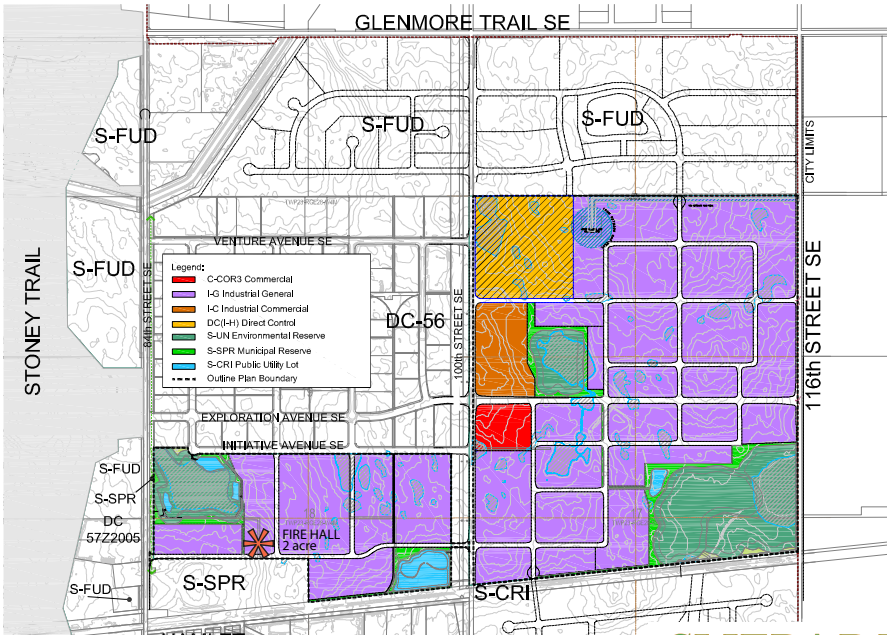
A comprehensive final report including multiple maps, tables and graphics was provided to the client. This report serves as a tool that assists Genesis with making decisions with respect to its land holdings.



SHEPARD
INDUSTRIAL PARK

CALGARY, ALBERTA

Brown & Associates prepared and processed an innovative Outline Plan for the City of Calgary Office of Land Servicing & Housing comprised of 392 hectares (970 acres) for an Eco-Industrial Park. Land Use Redesignation was also submitted for 81.41 hectares (201.16 acres) of these lands. The remaining 285.25 hectares/704.82 acres is anticipated for Land Use on a Phase by Phase basis in the future. Given Shepard Industrial Park's large area of 392 hectares, it is anticipated the development will be able to accommodate a variety of uses e.g., warehousing, logistics & cartage, bulk fuel sales, equipment and freight yards, municipal works depot, commercial (to primarily serve area employees), power generation facility, etc. The



Outline Plan incorporates opportunities for economically feasible sustainable development alternatives, including low impact development, district energy, and eco-industrial networking. Non-typical road cross-sections were developed and provided with the Outline Plan submission, which were necessary to deliver the project's triple bottom line objectives.

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WAGON WHEEL BUSINESS PARK

ROCKY VIEW COUNTY, ALBERTA

Wagon Wheel Industrial Park is a 500 acre, fully-serviced industrial development located in the MD of Rocky View about 1.5 miles north of the City of Calgary. Avenue Commercial is providing commercial and industrial lots in the range of 2 to 5 acres in size.

Brown & Associates Planning Group were retained by Avenue Commercial as land planners for the industrial park. Brown & Associates prepared the Wagon Wheel Conceptual Scheme, approved by Rocky View Council in 2005. The conceptual scheme coordinates the interests of a number of development partners and landowners with holdings throughout the project area. The plan identifies a mix of future land uses that will provide appropriate transition from residential uses to the north and existing heavy industrial uses to the south.

Brown & Associates prepared architectural design guidelines for implementation and enforcement by Avenue Commercial and eventually by the registered Lot Owners' Association.

For more information visit **www.bapg.com**

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FORT MCMURRAY
MASTER ACCOMMODATION PLAN

FORT MCMURRAY, ALBERTA

Brown & Associates was retained by Alberta Infrastructure to review existing Government landholdings and future facility requirements in Fort McMurray. The planning process included interviews with government departments and preparation of forecasts to determine short and long-term requirements for Government facilities. Brown & Associates reviewed the potential of Government lands to meet future requirements. The Master Plan provides recommendations for efficient infill development of existing properties and identifies additional land requirements for future facilities including government offices, warehouse space, remand centre, courthouse expansion, etc.

For more information visit **www.bapg.com**

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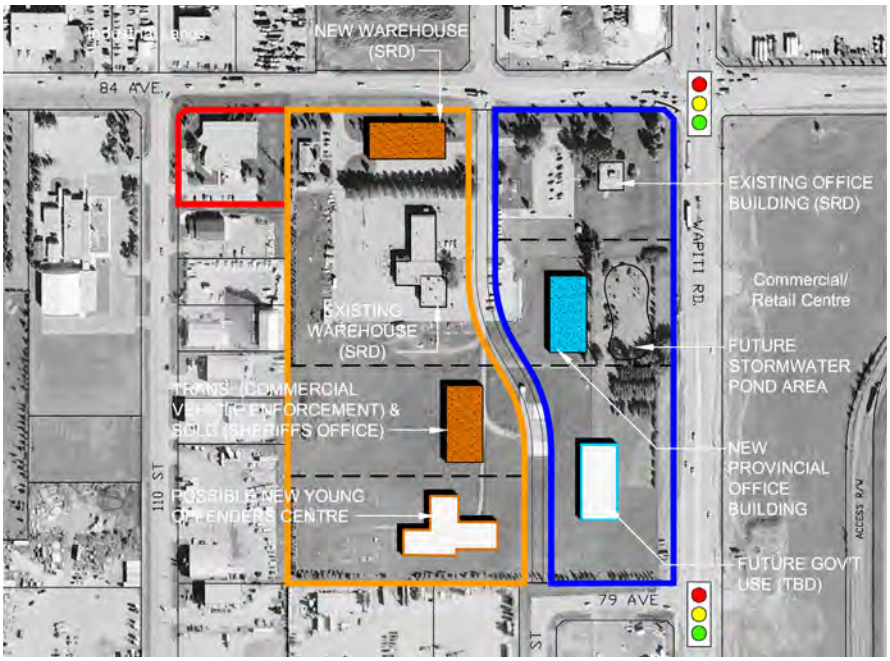
GRANDE PRAIRIE MASTER ACCOMMODATION PLAN

GRANDE PRAIRIE, ALBERTA

The Grande Prairie Master Accommodation Plan was commissioned by Alberta Infrastructure to provide a comprehensive plan for managing the provincial government's building facilities and landholdings in Grande Prairie during the next 20 years. Brown and Associates served as prime consultant for a project team of land planners, engineers, architects, and traffic engineers. The study examined nine different landholdings that accommodate existing office, warehouse and special-purpose facilities along with vacant land.



Tasks included preparing an inventory ans assessment of existing lands and facilities; reviewing provincial floorspace and occupancy standards in other cities; forecasting short-term and long-term provincial floorspace requirements; and preparing conceptual plans for future site development and buildings to meet forecast provincial requirements. Forecasts were based on future economic and population growth in the service region as well as detailed interviews with all provincial departments in Grande Prairie. Recommendations included infill redevelopment conceptual plans for the downtown provincial office and courthouse complex, subdivision and development plans for the suburban "multi-departmental site", and relocation recommendations for various provincial facilities and sites throughout the City.

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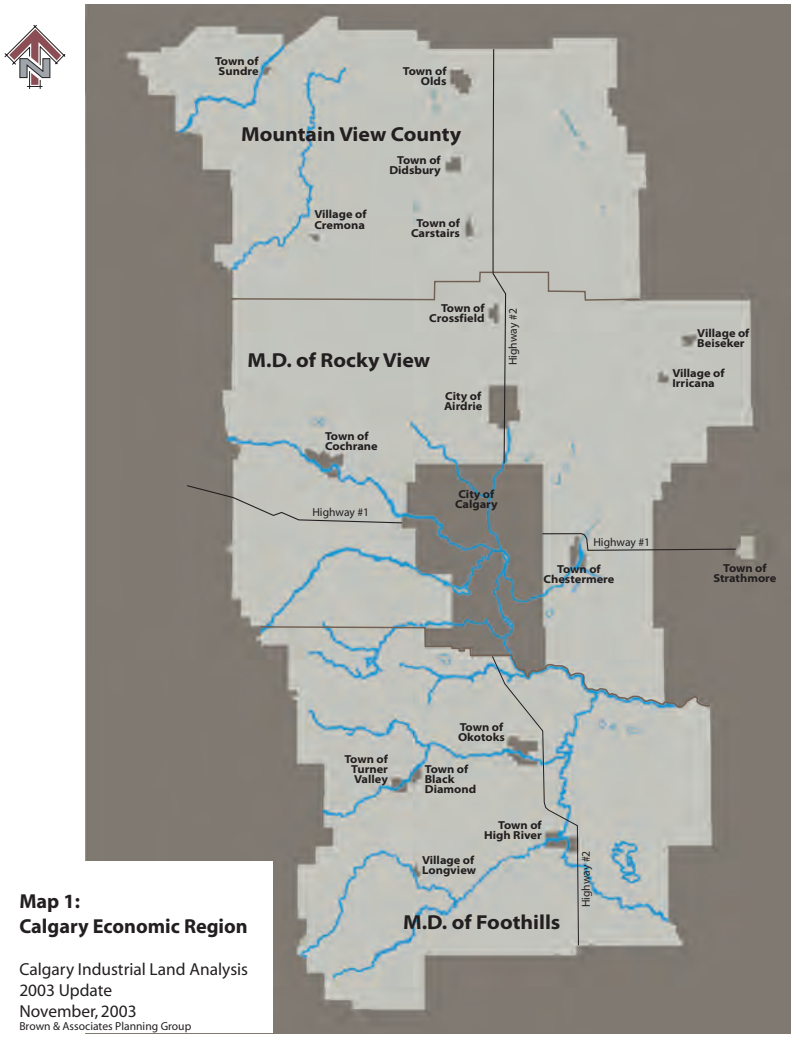
CITY OF CALGARY
LONG TERM GROWTH STRATEGY

CALGARY, ALBERTA

The City of Calgary is one of the major developers of industrial land within the city. With strong growth and industrial land sales, the City needs to ensure a large supply of industrial land for future development and to understand the potential to attract users to different geographic areas of the city.

Brown & Associates Planning Group were retained by City of Calgary Corporate Properties to assess the implications of revised long-term population forecasts on the industrial land market. Using industrial employment forecasts supplied by Clayton Research, Brown & Associates translated these employment forecasts into industrial land requirements and identified future market preferences with the assistance of key-informant interviews with expert stakeholders familiar with trends in each industrial sector. The final report identifies total land requirements for each major industrial sector during the next 50 years and provides maps showing anticipated phasing of demand based on market preferences and anticipated availability of necessary infrastructure.



Map 1:
Calgary Economic Region

Calgary Industrial Land Analysis
2003 Update
November, 2003
Brown & Associates Planning Group

For more information visit **www.bapg.com**

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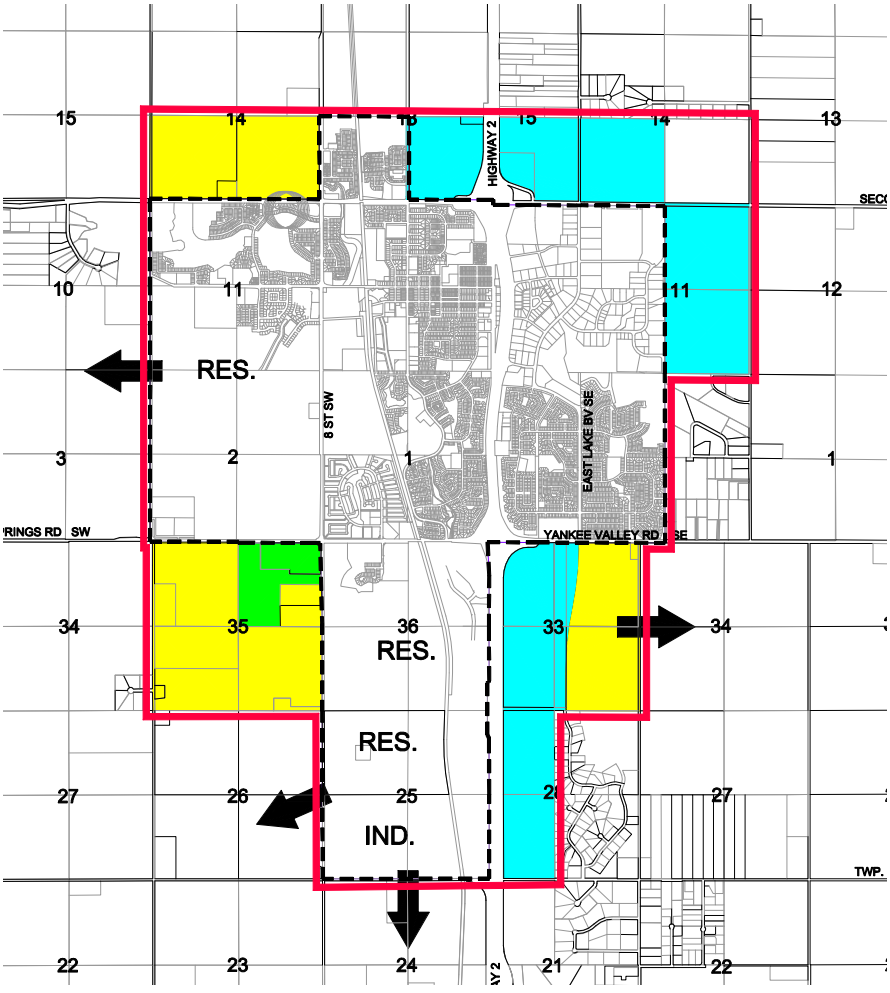
CITY OF AIRDRIE
GROWTH STUDY

AIRDRIE, ALBERTA

Brown & Associates Planning Group prepared a Growth Study for the City of Airdrie which included a comprehensive review of land requirements to accommodate forecast urban growth for the City of Airdrie over the next 30 years. The Study recommended specific lands for future urban development and provided supporting information in the development of an Intermunicipal Development Plan with the MD of Rocky View. The Study also provided the basis for a successful annexation of lands required to accommodate urban growth .

Population growth forecasts were prepared for a 30 year period. Based on a review of local land use characteristics, future requirements for residential, industrial, commercial, and other lands were estimated. Lands available for future growth were evaluated according to "suitability criteria" including



servicing costs, roadway requirements, physical development constraints, and urban development opportunities.

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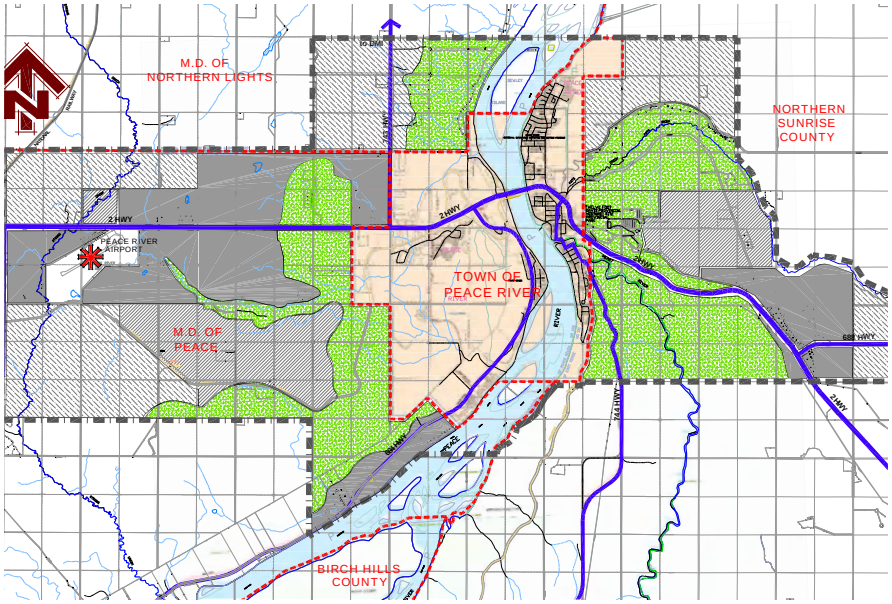
TOWN OF PEACE RIVER
GROWTH STUDY

PEACE RIVER, ALBERTA

Brown & Associates Planning Group is currently preparing a Growth Study for the Town of Peace River. This Study will include a comprehensive review of land requirements to accommodate forecast urban growth for the Town of Peace River over the next 30 years. The Study will recommend specific lands for future urban development and provide supporting information when the Town decides to enter into an annexation process.



Population growth forecasts will be prepared for a 30 year period. Based on a review of local land use characteristics, future requirements for residential, industrial, commercial, and other lands were estimated. Lands available for future growth will be evaluated according to "suitability criteria" including servicing costs, roadway requirements, physical development constraints, and urban development opportunities.

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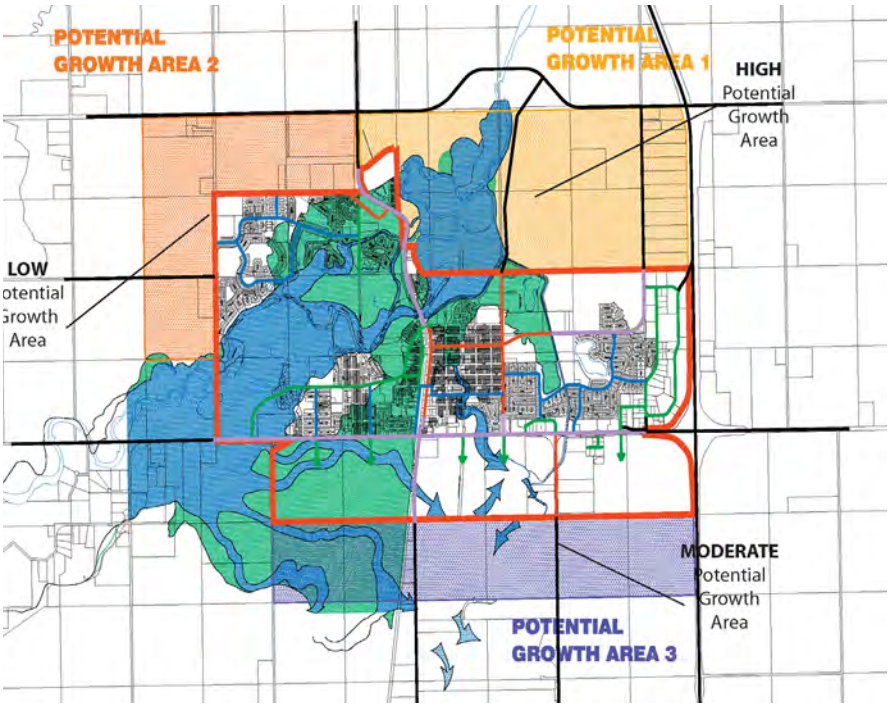
TOWN OF HIGH RIVER
GROWTH STUDY

HIGH RIVER, ALBERTA

Brown & Associates undertook a growth study to determine directions for future growth for the Town of High River.

The report provides population forecasts and land requirements for residential, industrial, commercial, and institutional land uses for the next thirty, forty and fifty years.

The report identifies growth areas and appropriate development phasing in accordance with infrastructure and environmental factors. The findings and recommendations of the report will support the Town's growth management planning initiatives and intermunicipal discussions with the Municipal District of Foothills.



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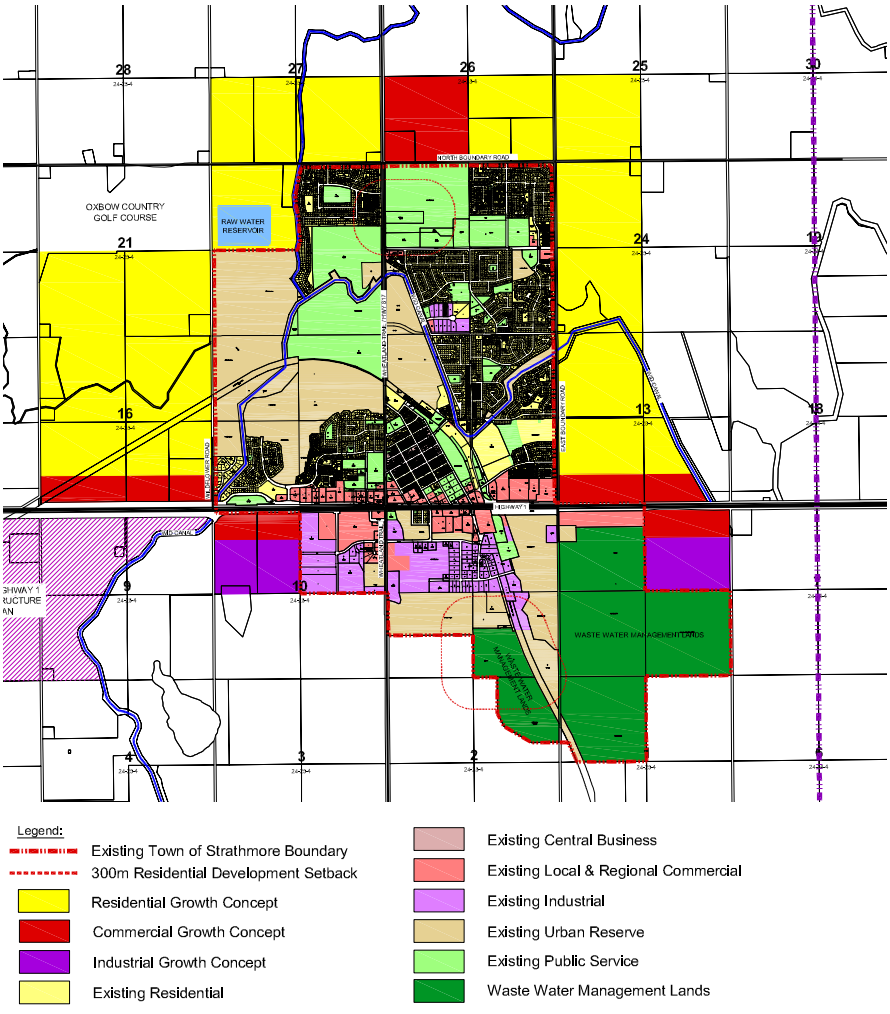
TOWN OF STRATHMORE
GROWTH STUDY & ANNEXATION

STRATHMORE, ALBERTA

Brown & Associates were retained by the Town of Strathmore to prepare an analysis of future growth which would accommodate anticipated development in the Town during a 30 – 50 year period. Upon adoption of the Growth Study by Town of Strathmore Council, Brown & Associates worked with Town Administration and their legal advisor to prepare an Annexation application to the Municipal Government Board. Based on the Town's Growth Study and other supporting information, the Municipal Government Board approved the Town's annexation request in full.



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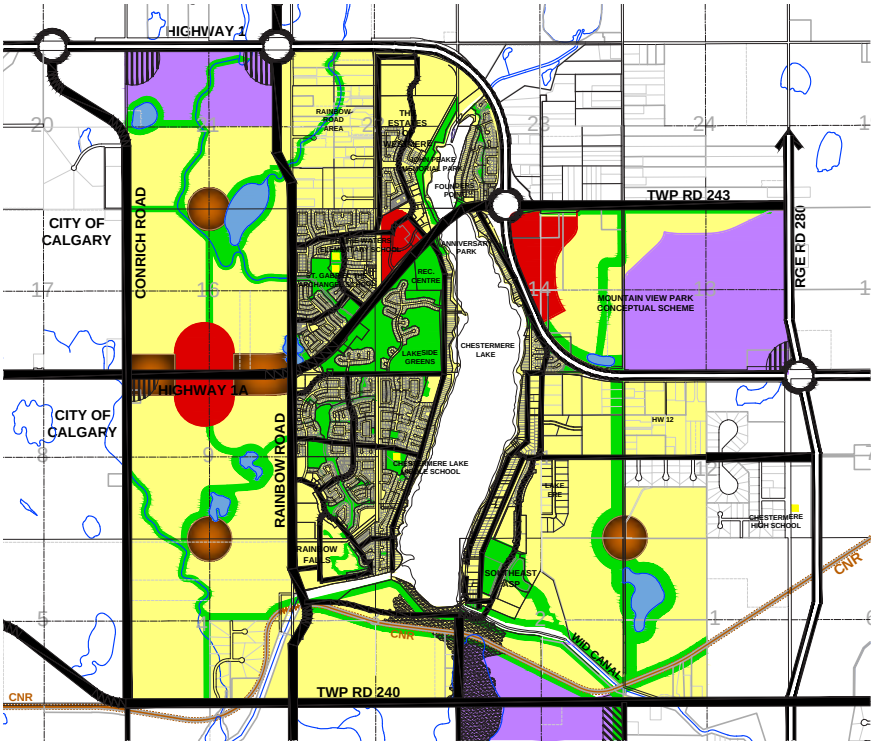
TOWN OF CHESTERMERE
GROWTH STUDY

CHESTERMERE, ALBERTA

Brown & Associates Planning Group completed an update to the June 2005 growth study for the Town of Chestermere. The purpose of the report was to clearly outline the Town of Chestermere's proposed growth strategy and provide specific supporting information required for the intermunicipal negotiation, public consultation, and provincial review stages of the annexation process. Brown & Associates provided a population projection, identified the amount of land required to accommodate the future population growth with respect to the broader intermunicipal and regional context. The report presented the currently proposed Chestermere annexation boundaries.



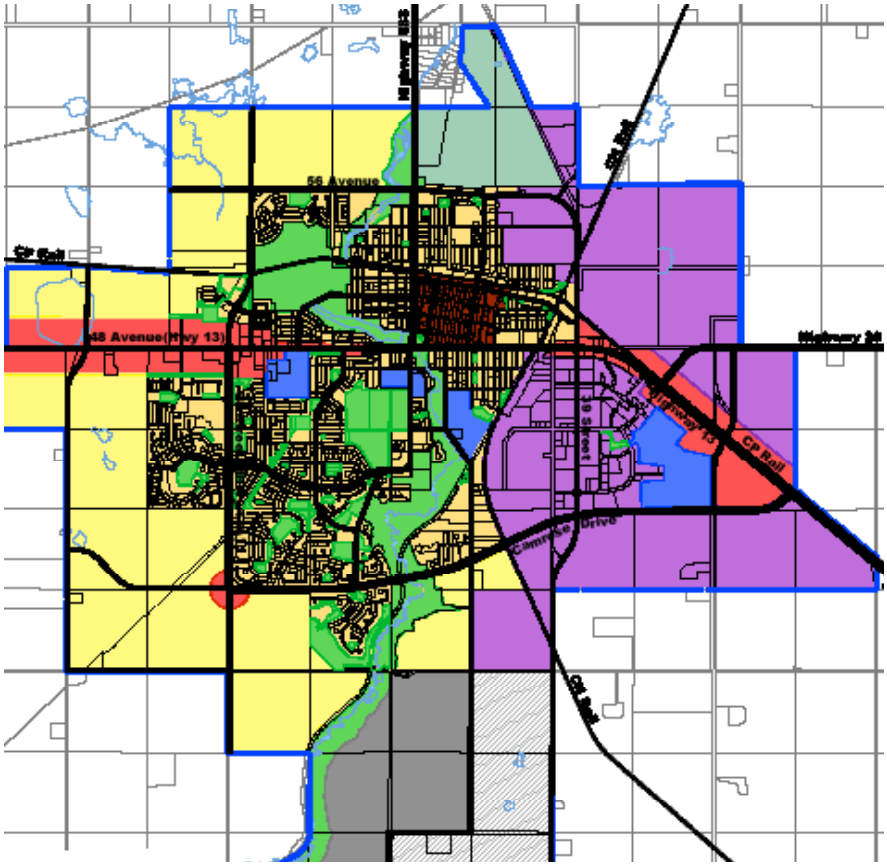
- GENERAL URBAN (PREDOMINANTLY RESIDENTIAL)
- REGIONAL RETAIL/ TOWN CENTRE
- MIXED USE AND VILLAGE CENTRE
- BUSINESS PARK/ EMPLOYMENT
- OPEN SPACE/ RECREATION/ REGIONAL TRAIL
- TRANSITION LAND USE
- DRAINAGE CONSTRAINT AREA
- GATEWAY ENTRY FEATURE

For more information visit **www.bapg.com**

CITY OF CAMROSE
MUNICIPAL DEVELOPMENT PLAN

CAMROSE, ALBERTA

In 2010, Camrose annexed 1,147 hectares (2,834 acres) of land into the city boundaries. Brown & Associates worked with City of Camrose Administration to create a Municipal Development Plan that would reflect the dynamic growth and change occurring within the city. In Camorse, significant economic opportunities and available services have attracted a diverse population. This has produced a requirement for a broad range of housing types including single family, townhouse and apartments located within established and new communities as well as the need for large areas for business opportunities. The MDP set forth land use concepts and policies to achieve appropriate and balanced development of land within the City limits to reflect the unique conditions of the area.



The Municipal Development Plan also updated and incorporated a number of recently approved plans and public consultation processes to create a coordinated approach to future growth within Camrose. This was done with consideration for the Provincially-approved Land Use Framework and the long-term sustainability of the city. The Municipal Development Plan created a concise approach to development with clear guidelines that ensure future growth adds to character of the community while maintaining enough flexibility for City Council and Administration to respond effectively to changing economic and demographic conditions.

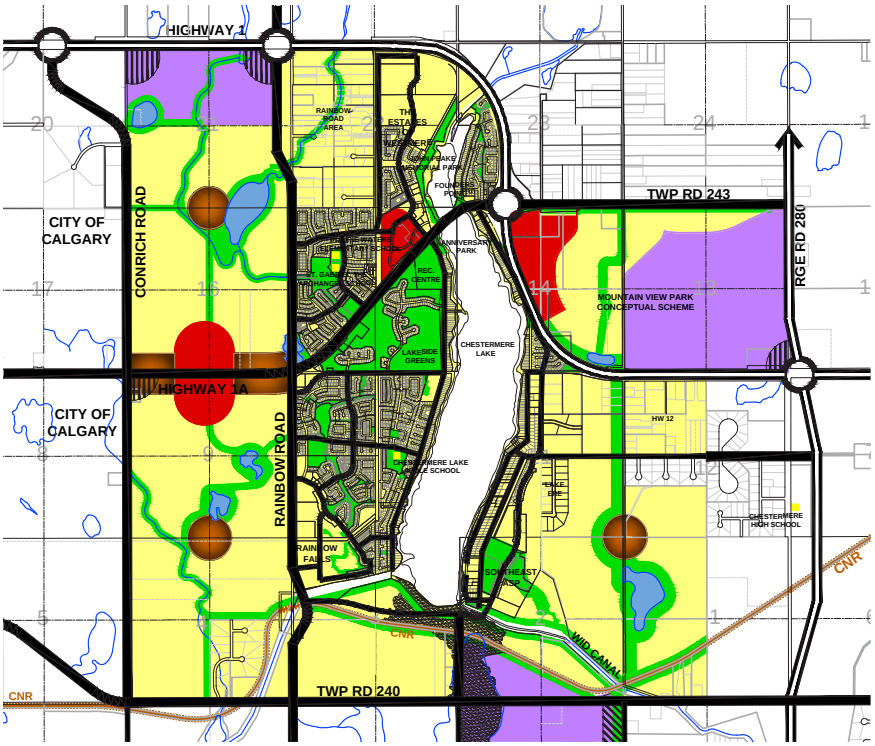
For more information visit **www.bapg.com**

b&a PLANNING GROUP

TOWN OF CHESTERMERE
MUNICIPAL DEVELOPMENT PLAN

CHESTERMERE, ALBERTA

In June 2009 over 6,000 acres of undeveloped land was annexed to the Town of Chestermere. Brown & Associates worked with a Council-appointed Citizen's Advisory Committee through a process of 14 workshop meetings and two public open house meetings to prepare the Chestermere MDP which was approved by Council in July 2009. This concise document describes the Town's commitment to maintaining a unique small-town character and implementing environmental sustainability through low-impact water and stormwater management practices. The plan identifies the location and character of major facilities that will support doubling of the existing population during the next 30 years. These include a new Town Centre straddling Highway 1A and major regional wetland and recreational park facilities. The MDP also includes an appendix of strategic development guidelines and standards to guide the form of new development.



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- OPEN SPACE/ RECREATION/ REGIONAL TRAIL
- TRANSITION LAND USE
- DRAINAGE CONSTRAINT AREA
- GATEWAY ENTRY FEATURE

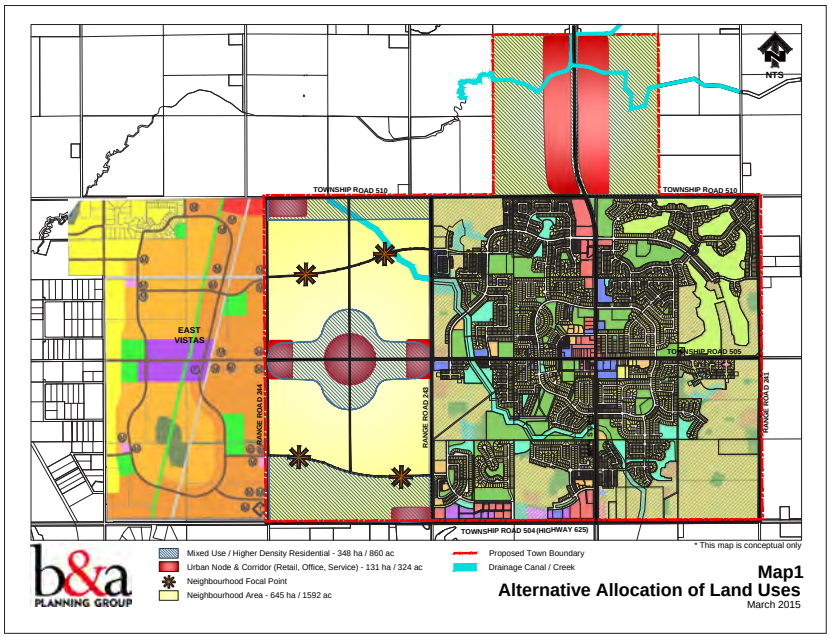
For more information visit **www.bapg.com**

EXPERT PLANNING WITNESS
MUNICIPAL GOVERNMENT BOARD

TOWN OF BEAUMONT/LEDUC COUNTY ANNEXATION - 2015

As an expert planning witness working on behalf of Leduc County, B&A reviewed the planning merits of the Town of Beaumont's proposed annexation of 21 quarter sections of land from Leduc County. As part of its analysis, B&A assessed the Town's 2014 Growth Study as well as other correspondence and reports related to the annexation. The assumptions examined as part of the review included:

- Study Area
- Population Growth Rates
- Current Land Supply & Population Capacity
- Residential Land Uses & Densities
- Commercial & Business Park Land Uses
- Market Allowance
- Urban Service Uses
- Future Expansion Area/ Preliminary Land Use Breakdown



B&A worked closely with the County's legal, administrative, economics, and engineering teams to ensure a coordinated presentation to the Municipal Government Board (MGB). As part of the County's response to the proposed annexation, an alternative growth scenario and land use allocation pattern were developed for the Town of Beaumont. The alternative scenario was not intended as an alternative annexation proposal but to provide a critique of the Town of Beaumont's proposed annexation in the context of current Capital Region Board policies and mandates.

B&A is currently working with Leduc County to update their Municipal Development Plan. The MDP will be presented to County Council for approval in 2016.

For more information visit **www.bapg.ca**

EXPERT PLANNING WITNESS
MUNICIPAL GOVERNMENT BOARD

TOWN OF BEAUMONT/LEDUC COUNTY ANNEXATION - 2015

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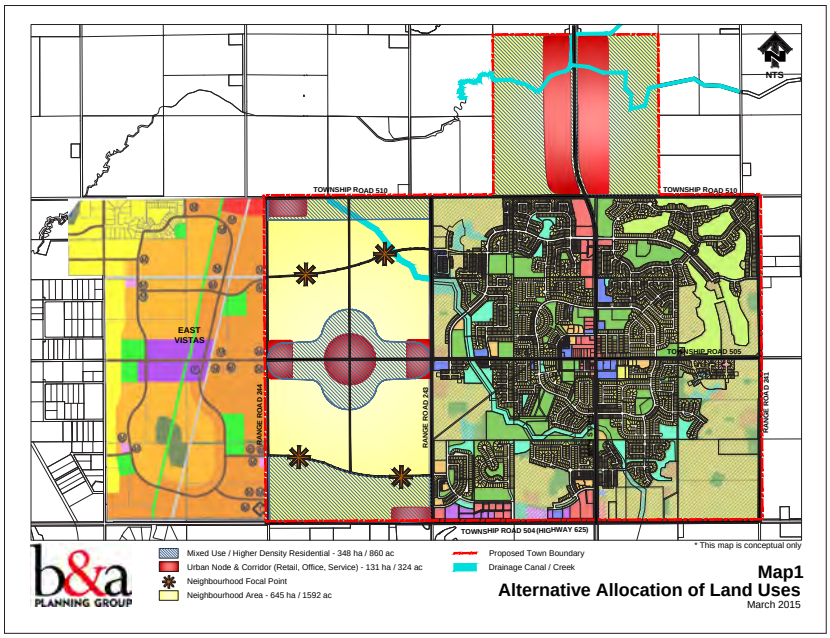

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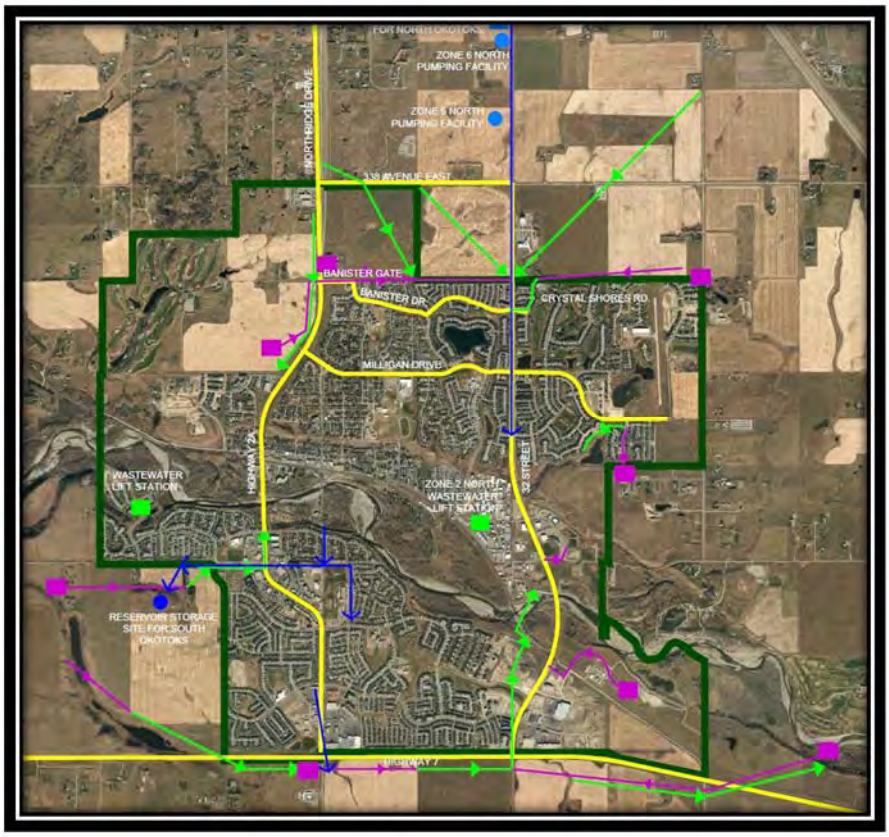


INFRASTRUCTURE SYSTEMS REVIEW AND ANALYSIS

FOR LAND ACQUISITION FRAMEWORK IN THE CALGARY METROPOLITAN AREA (CMA)

WORKING IN CONCERT WITH B&A PLANNING GROUP, A STRATEGIC EVALUATION OF LAND DEVELOPMENT OPPORTUNITIES IN THE CMA WAS PREPARED. THE KEY DELIVERABLE WAS TO DEVELOP A COMPREHENSIVE ASSESSMENT TO GUIDE AND DIRECT THE CLIENT'S FUTURE LAND ACQUISITION EFFORTS. SEDULOUS' ROLE WAS TO PROVIDE THE INFRASTRUCTURE ANALYSIS COMPONENT OF THE PROJECT AND MAKING RECOMMENDATIONS FOR LAND ACQUISITION BASED ON RANKING PROXIMITY TO EXISTING OR PLANNED INFRASTRUCTURE; TIMING PROSPECTS OF PLANNED OR POTENTIAL INFRASTRUCTURE; INFRASTRUCTURE DEFICITS; AND A REVIEW OF DATA GAPS.

Sedulous Engineering Inc.

REVIEW OF POTENTIAL LAND ACQUISITION TARGETS ASSESSING:

ROAD INFRASTRUCTURE

SANITARY INFRASTRUCTURE

WATER INFRASTRUCTURE

STORMWATER INFRASTRUCTURE

FLOOD HAZARD

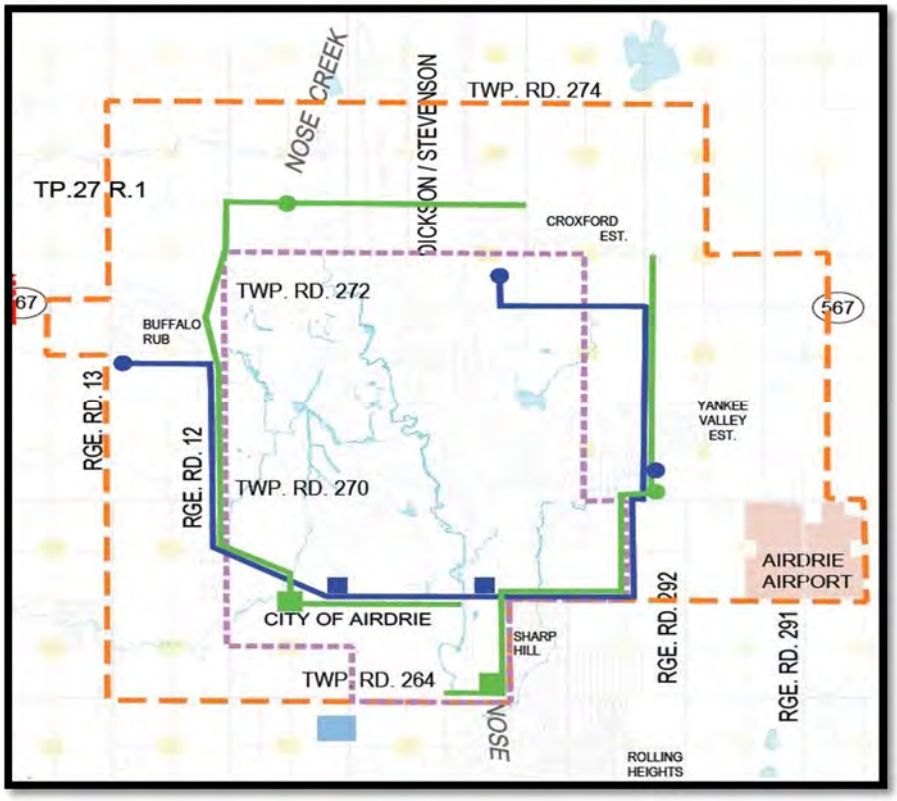
EMERGENCY SERVICES

CLIENT:

GENESIS LAND DEVELOPMENT CORPORATION

LOCATION:

CALGARY, AB



INFRASTRUCTURE SYSTEMS REVIEW AND ANALYSIS

FOR EXISTING LAND ASSETS IN THE CALGARY METROPOLITAN AREA

WORKING IN CONCERT WITH B&A PLANNING GROUP, AN EVALUATION AND ASSESSMENT OF THE CLIENT'S EXISTING LAND ASSETS WAS PREPARED. THE KEY DELIVERABLE WAS A COMPREHENSIVE ANALYSIS OF THE CLIENT'S EXISTING LAND ASSETS CULMINATING IN A SET OF RECOMMENDATIONS MADE TO THE CLIENT TO SELL, HOLD; OR IMPROVE. SEDULOUS' ROLE WAS TO PROVIDE THE INFRASTRUCTURE ANALYSIS COMPONENT OF THE PROJECT AND MAKING RECOMMENDATIONS FOR THE LAND HOLDINGS BASED ON OFF-SITE LEVY IMPLICATIONS; EXISTING INFRASTRUCTURE POLICIES; EXISTING INFRASTRUCTURE SYSTEMS, AND PROPOSED INFRASTRUCTURE SYSTEMS.

Sedulous Engineering Inc.

REVIEW OF EXISTING LAND ASSETS ASSESSING:

ROAD INFRASTRUCTURE

SANITARY INFRASTRUCTURE

WATER INFRASTRUCTURE

STORMWATER INFRASTRUCTURE

OFF-SITE LEVY IMPLICATIONS

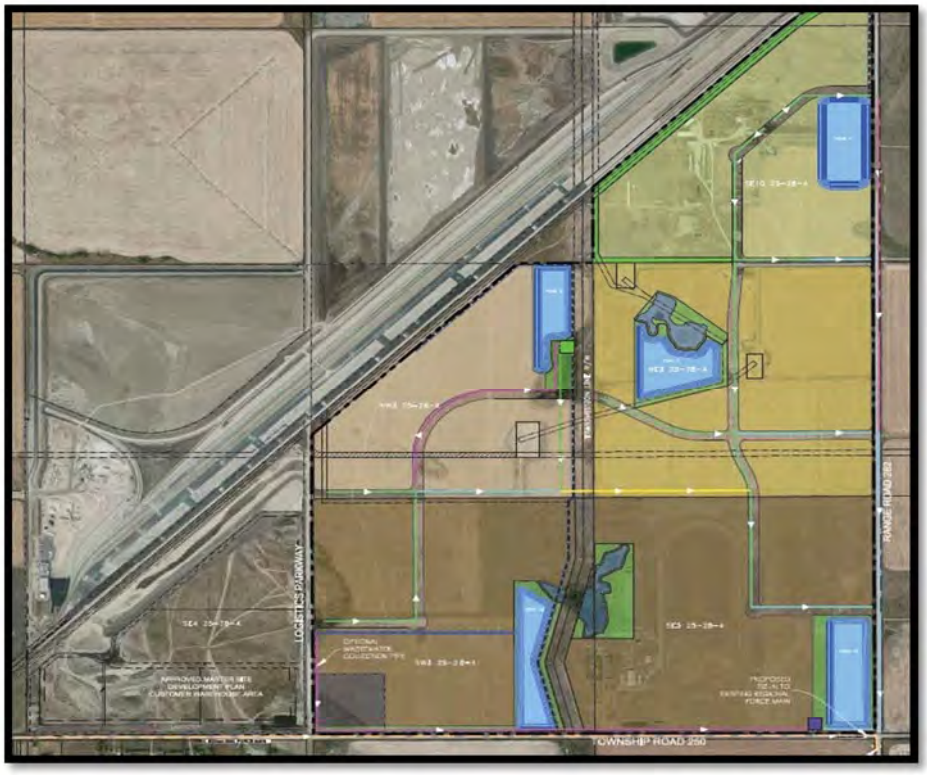
INFRASTRUCTURE POLICIES

CLIENT:

GENESIS LAND DEVELOPMENT CORPORATION

LOCATION:

CALGARY, AB



CONRICH STATION

CONRICH STATION CONCEPTUAL SCHEME

CONRICH STATION IS A FUTURE COMMERCIAL AND INDUSTRIAL DEVELOPMENT AREA THAT IS OVER 700 ACRES IN GROSS AREA. SEDULOUS PROVIDED PRELIMINARY ENGINEERING DESIGN AND AN ENGINEERING SERVICING STRATEGY REPORT TO SUPPORT A FORTHCOMING CONCEPT PLAN AND LAND-USE APPLICATION. THE PURPOSE OF THE CONCEPTUAL SCHEME IS TO ESTABLISH FUTURE DEVELOPMENT EXPECTATIONS FOR THE SUBJECT LANDS. SEDULOUS PROVIDED TECHNICAL CONSIDERATIONS FOR UTILITY SERVICING IN ORDER FOR THE PLANNING TEAM (B&A PLANNING) TO RATIONALIZE THE DEVELOPMENT CONCEPT.

Sedulous Engineering Inc.

PREPARE CONCEPTUAL SCHEME SERVICING STRATEGY REPORT

GEOTECHNICAL CONSIDERATIONS

SHALLOW UTILITY CONSIDERATIONS

PRELIMINARY ROADS AND ACCESS

PRELIMINARY WATER

PRELIMINARY SEWER

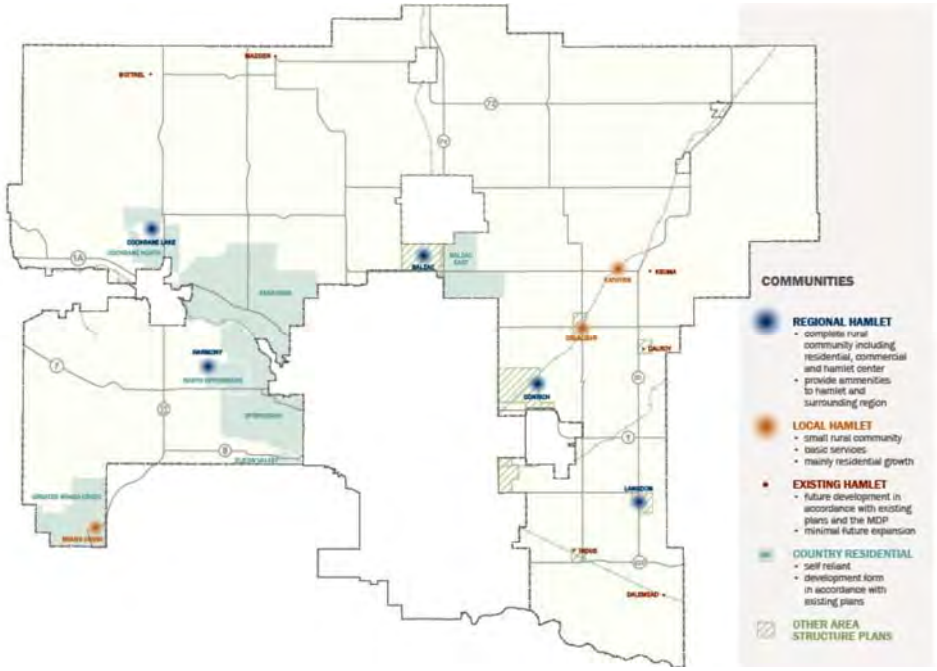
PRELIMINARY COORDINATION OF MUNICIPAL APPROVALS

CLIENT:

CONRICH STATION LANDOWNER GROUP

LOCATION:

CONRICH, ALBERTA



CAPITAL PROJECT MANAGEMENT SUPPORT

Rocky View County, Alberta

SEDULOUS SUPPORTS THE CAPITAL INFRASTRUCTURE SIDE OF THE ENGINEERING TEAM IN ADDITION TO DEVELOPMENT REVIEW. RECENT WORK SCOPES INVOLVE ACTING AS THE COUNTY'S MUNICIPAL ENGINEER AND PROJECT MANAGER FOR FOUR CURRENT AREA STRUCTURE PLAN (ASP) PROJECTS. THIS INCLUDES PROVIDING ENGINEERING TECHNICAL REVIEW AND PROJECT MANAGEMENT SERVICES FOR A VARIETY OF MASTER PLANNING PROCESSES, INCLUDING THE PREPARATION, EVALUATION AND MANAGEMENT OF THE RFP PROCESS FOR ASP ENGINEERING RELATED STUDIES, REVIEW AND REVISION RECOMMENDATIONS OF TECHNICAL DELIVERABLES BY THIRD PARTY CONSULTANTS, POLICY AND CONTENT REVIEW AS WELL AS GENERAL PROJECT MANAGEMENT SERVICES. SEDULOUS HAS ALSO BEEN ENGAGED TO DEVELOP CAPITAL AND ENGINEERING POLICIES FOR THE COUNTY, SUPPORT CAPITAL FLOOD RECOVERY INITIATIVES, PROJECT MANAGEMENT AND DESIGN SERVICES FOR A PROPOSED LAKE MANAGEMENT SYSTEM, DEVELOP WORK SCOPES FOR WASTEWATER TREATMENT PLANT EXPANSION, AND PROVIDE GENERAL ENGINEERING SUPPORT ACROSS THE CIVIL SPECTRUM. AT SEDULOUS WE PUT A PRIORITY ON THIS CLIENTS TECHNICAL NEEDS TO ENSURE A SEEMLESS INTEGRATION OF SERVICING AND DEVELOPMENT OPPORTUNITY.

Sedulous Engineering Inc.

AREA STRUCTURE PLANS - ENGINEERING SUPPORT

MASTER DRAINAGE PLANS – PROJECT MANAGER

MASTER SERVICING STRATEGIES – PROJECT MANAGER

FLOOD RECOVERY PROJECT MANAGEMENT AND TECHNICAL SUPPORT

ENGINEERING & CAPITAL POLICY DRAFTING

PROJECT DEVELOPMENT AND STORM DRAINAGE SCOPING

PIPELINE DESIGN AND PROJECT MANAGEMENT

CLIENT:

ROCKY VIEW COUNTY

LOCATION:

CALGARY, ALBERTA

MUNICIPAL REVIEW

Rocky View County, Balzac Development Area

SEDULOUS ACTS AS THE COUNTY'S MUNICIPAL ENGINEER FOR THEIR EAST AND WEST BALZAC DEVELOPMENT AREA. THIS INCLUDES PROVIDING ENGINEERING TECHNICAL REVIEW AND PROJECT/FILE MANAGEMENT SERVICES. FOR EXAMPLE, SEDULOUS REVIEWS LAND-USE, SUBDIVISION, AND DEVELOPMENT PERMIT APPLICATIONS TO DETERMINE THE REQUIRED LEVEL OF ENGINEERING DOCUMENTATION REQUIRED TO SUPPORT THE APPLICATION. ONCE THE DOCUMENTS ARE SUBMITTED SEDULOUS REVIEWS THEM TO DETERMINE IF THEY MEET THE APPLICABLE DESIGN STANDARDS. OUR SERVICES INCLUDE TECHNICAL REVIEW OF DETAILED CIVIL ENGINEERING DESIGN DRAWINGS. FOLLOWING THE DESIGN REVIEW STAGE, OUR SERVICES INCLUDE DEVELOPMENT AGREEMENT PREPARATION, CONSTRUCTION COMPLETION CERTIFICATE (CCC), & FINAL ACCEPTANCE CERTIFICATE (FAC) INSPECTIONS AND MATERIALS COMPLIANCE REVIEW. SEDULOUS ALSO WORKS WITH ROCKY VIEW TO PROVIDE IN-SITU CONSTRUCTION AND EROSION AND SEDIMENT CONTROL INSPECTIONS DURING CONSTRUCTION.

ROADS AND ACCESS DESIGN REVIEW

STORMWATER DESIGN AND REPORT REVIEW

POTABLE WATER SERVICING REVIEW INCLUDING WELLS AND MUNICIPAL SYSTEM

SANITARY SERVICING REVIEW INCLUDING PSTS AND MUNICIPAL SYSTEMS

DETAILED ENGINEERING DESIGN REVIEW

DEVELOPMENT AGREEMENT PREPARATION

CCC/FAC INSPECTIONS & PROCESSING

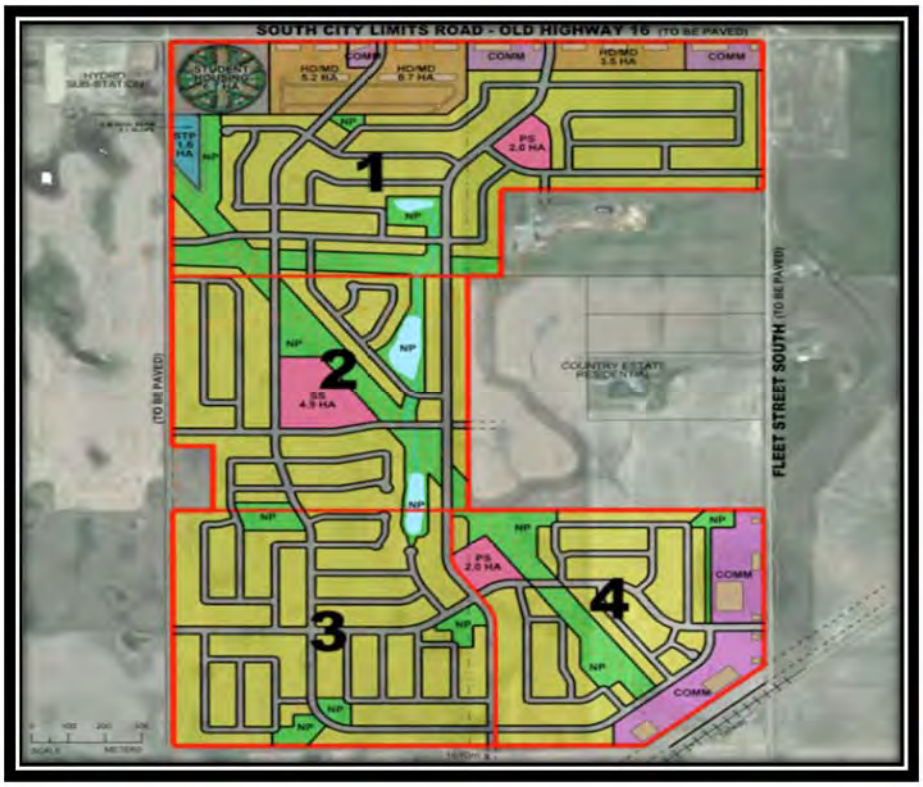
CLIENT:

ROCKY VIEW COUNTY

LOCATION:

CALGARY, ALBERTA

Sedulous Engineering Inc.



MUNICIPAL REVIEW

Wascana Village

SEI IS PROVIDING ENGINEERING TECHNICAL REVIEW ON BEHALF OF THE CITY OF REGINA. THIS REVIEW CONSISTS OF REVIEWING TRANSPORTATION, STORMWATER, WATER (INCLUDING STANDALONE WATER TREATMENT PLANT), WASTEWATER (INCLUDING STANDALONE TREATMENT PLANT) TECHNICAL DOCUMENTS THAT HAVE BEEN PREPARED IN SUPPORT OF A PROPOSED 14,000 PERSON MIXED USE COMMUNITY AT THE SOUTH EAST EDGE OF THE CITY. THE PROJECT IS JUST OUTSIDE OF THE CITY BOUNDARY AND THE CITY HAS REQUESTED SEI TO CONDUCT THE REVIEW TO EVALUATE THE TECHNICAL DOCUMENTS AND IDENTIFY POTENTIAL IMPACTS TO THE CITY THAT COULD RESULT FROM THE PROPOSED DEVELOPMENT.

ROADS AND ACCESS DESIGN REVIEW

STORMWATER MASTER PLAN REVIEW

POTABLE WATER SERVICING STRATEGY REVIEW

SANITARY SERVICING STRATEGY REVIEW

PROVIDE OVERALL REVIEW COMMENTS

SHALLOW UTILITY COORDINATION REVIEW

CLIENT:

CITY OF REGINA

LOCATION:

REGINA, SASKATCHEWAN

Sedulous Engineering Inc.

APPENDIX

TEAM MEMBER RESUMES

NATHAN PETHERICK

Partner, RPP, MCIP

CONTACT

Phone 403 692 4356

Email npletherick@bapg.ca

Fax 403 262 4480

Address Suite 600 940 6 Ave SW, Calgary, AB T2P 3T1

EDUCATION

UCC Bachelor of Arts

UBC Master of Arts (Community and Regional Planning)

PROFESSIONAL HISTORY

1 **PARTNER**, B&A Planning Group
April 2014 – Present

2 **SENIOR PLANNER**, Brown & Associates Planning Group
April 2011 - March 2014

3 **MANAGER PLANNING SERVICES**, Mountain View County
January 2008 - March 2011

4 **DIRECTOR OF PLANNING**, Mackenzie Municipal Services Agency
June 2004 - January 2008

5 **ENVIRONMENTAL PLANNING ASSISTANT**, Town of New Amsterdam, Guyana
August 2003 - March 2004

6 **COMMUNITY PLANNER**, Urban Systems Ltd.
June 2002 - June 2003

7 **HERITAGE PLANNING CONSULTANT**, Village of Cumberland
November 2001 - May 2002

PROFESSIONAL AFFILIATIONS

Canadian Institute of Planners

Alberta Professional Planners Institute

Community Planning Association of Alberta

CAREER SYNOPSIS

Nathan brings a diversity of experience to Brown & Associates with over 12 years of planning work with variety of urban and rural municipalities. (over)

NATHAN PETHERICK

Partner, RPP, MCIP

CAREER SYNOPSIS CONTINUED

Nathan's core expertise includes strategic planning, urban and rural development, communications, policy formulation and governance support.

Nathan's previous experience has spanned the development and implementation of wide ranging community-planning initiatives throughout British Columbia, Alberta and Saskatchewan, to working with the United Nations Development Program, local government, and NGO's on a municipal governance and service delivery planning in New Amsterdam, Guyana. Recent work has included the capacity of Director of Planning for Mackenzie Municipal Services Agency and Manager Planning Services for Mountain View County.

Nathan possesses a background in geography, and environmental studies and holds a Masters Degree in Community and Regional Planning from the University of British Columbia. Nathan has also attained full professional membership with the Alberta Institute of Canadian Planners and the Canadian Institute of Planners and is a member of the Community Planning Association of Alberta.

RECENT NOTABLE PROJECTS

- Westerra Neighbourhood Plan, 2014, City of Regina
- Weserra Phase 1 Concept Plan, 2014, City of Regina
- SE Regina Neighbourhood Plan, 2014, City of Regina
- City of Regina Growth Study & Annexation Rationale, 2013, City of Regina
- Prairie Creek Business Park Master Plan, 2012, Regina Municipality of Wood Buffalo
- East Victoria Concept Plan, 2015, City of Regina
- Prairie Creek Business Park, Phase 1, 2 and 3 Land Use and Subdivision Approval, 2015, Fort McMurray

DARIA McDONALD

Community Planner, BA, MEDes, RPP

CONTACT

Phone 403 692 4533

Email dmcdonald@bapg.ca

Fax 403 262 4480

Address Suite 600 940 6 Ave SW, Calgary, AB T2P 3T1

EDUCATION

U of C Masters of Environmental Design, Planning

U of C Bachelor of Arts (Honours)

PROFESSIONAL HISTORY

1 **COMMUNITY PLANNER**, B&A Planning Group
June 2012 - Present

2 **INSTRUCTOR (RURAL LAND USE PLANNING)**, Olds College
August 2011 - April 2012

3 **PLANNER**, Parkland Community Planning Services
December 2010 - October 2011

4 **PLANNER II**, Planning & Development Services, Mountain View County
June 2008 - December 2010

5 **PLANNER I**, City of Prince Albert
December 2004 - May 2008

PROFESSIONAL AFFILIATIONS

Alberta Professional Planners Institute

CAREER SYNOPSIS

Daria has extensive experience in rural and urban planning over 7 years working in both the public and private sectors. She has also been involved in teaching the principals of sustainable rural planning at Olds College. (Over)

DARIA McDONALD

Planner, MEDes

CAREER SYNOPSIS CONTINUED

As part of her experience, Daria has reviewed statutory and non-statutory documents and delivered a range of day-to-day planning services (e.g. redesignations, development permits, bylaw development, policy research, etc.) to a variety of municipal clients. She has also been involved in long-term planning projects including an update of the Prince Alberta Official Community Plan. Daria played a key role in developing a heritage awards program and promoted various heritage initiatives in support of maintaining regional rural character.

Daria has strong attention to detail and values precision in her work. She has effectively collaborated with other agencies, planners, and departments on various projects using organizational sensitivity and has strong ties with governmental agencies such as Alberta Transportation.

CHRIS ANDREW

Community Planner

CONTACT

Phone 403 692 5232

Email candrew@bapg.ca

Fax 403 262 4480

Address Suite 600 940 6 Ave SW, Calgary, AB T2P 3T1

EDUCATION

Ryerson University
Master of Planning, Urban Development

University of Lethbridge
Bachelor of Management, Finance and Social Responsibility

PROFESSIONAL HISTORY

1 **COMMUNITY PLANNER**, B&A Planning Group
May 2015 - Present

2 **PLANNING INTERN**, B&A Planning Group
May 2014 - August 2014

3 **ASSOCIATE - INTERN**, Live Work Learn Play, Toronto, Ontario
January 2014 - April 2014

4 **PROJECT COORDINATOR**, Solvera Solutions, Calgary, Alberta
November 2011 - September 2013

5 **CONSULTANT**, KPMG LLP, Calgary, Alberta
January 2010 - October 2011

6 **ANALYST INTERN**, Cape Venture Partners, Cape Town, South Africa
January 2009 - July 2009

EXPERIENCE

- Planning Policy
- Employment Planning Policy
- Urban Design
- Growth Management
- Project Management
- Public Land Leasing
- Research Reports
- Pro Forma Financial Analysis
- Management Consulting

CAREER SYNOPSIS

Chris Andrew joined B&A Planning Group in May 2015 upon graduating with a Master of Planning degree from Ryerson University in Toronto. He has worked on a variety of

CHRIS
ANDREW

Community Planner

public and private planning projects in Alberta and Ontario. Prior to Chris' transition to urban planning he worked as a management consultant with over four years experience in project coordination, business analysis, process optimization and research. Progressing to a career as a planning consultant, Chris developed knowledge working on projects in the areas of growth management, employment land planning, outline/ neighbourhood plan development, public land leasing and financial analysis.

JP LECLAIR

Senior GIS Technologist

CONTACT

Phone 403 692 5228

Email jleclair@bapg.ca

Fax 403 262 4480

Address Suite 600 940 6 Ave SW, Calgary, AB T2P 3T1

EDUCATION

SAIT B.App Technology in GIS

UofL BSc Geography (Concentration in GIS)

PROFESSIONAL HISTORY

1 **SENIOR GIS TECHNOLOGIST**, Brown & Associates Planning Group
November 2014 - Present

2 **GIS ANALYST**, Walton International Inc.
2013 - October 2014

3 **GEOSPATIAL ANALYST**, Airborne Imaging Inc.
2007 – 2010

AWARDS

ESRI Scholarship – Academic achievement and demonstrated use of ESRI software for SAIT B. App. Technology in GIS class of 2013

CAREER SYNOPSIS

As Senior Geographic Information System (GIS) Technologist, Jean-Paul is charged with the development of our GIS Program to support project diversification, advanced analysis, business development, and internal business needs. He works closely with urban and regional planners as well as planning technicians to effectively integrate GIS into a wide range of development proposals and projects. (over)

JP
LECLAIR

Senior GIS Technologist

CAREER SYNOPSIS CONTINUED

Jean-Paul has a solid understanding of the role of GIS in the land acquisition and development process from an organizational as well as a project by project perspective. His most recent work experience is with a land acquisition and development company in the private sector. Other experiences include City of Calgary Parks GIS asset management team member, aerial laser survey analyst, and GIS technician for an Oil and Gas company. He has strong technical knowledge and abilities in the creation, management, analysis and output of spatial data.

Jean-Paul has an extensive background in GIS technology. He is well versed in the ESRI ArcGIS software suite. As well as experience in working with database, survey, and LiDAR technology. He is prepared to assist staff and clients in maximizing the use of geospatial technology to meet business requirements in a cost effective, quality conscious and efficient manner.

STEVE MORRIS

Graphic Designer, BComm

b&a PLANNING GROUP

CONTACT

Phone 403 692 4540

Email smorris@bapg.ca

Fax 403 262 4480

Address Suite 600 940 6 Ave SW, Calgary, AB T2P 3T1

EDUCATION

University of Calgary
Haskayne School of Business
Bachelors of Commerce (Marketing)

Southern Alberta Institute of Technology
New Media Production + Design Diploma

PROFESSIONAL HISTORY

1 **GRAPHIC DESIGNER**, Brown & Associates Planning Group
August 2013 - Present

2 **GRAPHIC DESIGNER + WEB DEVELOPER**, Hockey Canada
May 2013 - August 2013

3 **GRAPHIC DESIGNER + WEB TEAM**, Weigl Publishing
June 2011 - August 2011

4 **FREELANCE GRAPHIC DESIGNER**, Morris Design Studios
April 2005 - Present

CAREER SYNOPSIS

Steve joined Brown & Associates in 2013 with experience in graphic design, web design, marketing and communications. He received his Bachelors of Commerce (Marketing) from the University of Calgary, as well as he is a graduate of the New Media Production + Design program at SAIT Polytechnic. He brings a professional, cohesive look to the websites and communication materials produced by Brown & Associates.

SEDULOUS ENGINEERING INC.

Rob Deverell, P.Tech.(Eng.)

Project Manager/Senior Engineering Technologist

PROFESSIONAL EXPERIENCE

Rob has 11 years of experience managing engineering projects in both the public and private sectors. The projects Rob has been involved with include design, design review and construction inspection for stormwater management systems; local and collector roads; site grading and drainage; sanitary collection systems, water distribution systems, and solid waste management systems. Rob also has experience in the design/review of private water well aquifer evaluations and private sewage treatment systems. Rob's main focus has been on rural and urban stormwater management - including master drainage planning and analysis related to subdivision level stormwater collection and treatment systems.

In addition to his engineering technical background, Rob's university studies in Canadian Government have helped him to develop a strong understanding of the Federal, Provincial, and Municipal regulatory processes related to infrastructure and land development projects in Canada. Rob has successfully worked on regulatory compliance, dispute resolution, and public engagement on a number of projects in Ontario and Alberta.

Currently, Rob specializes in municipal infrastructure and land development projects in Calgary, Rocky View County, and other sub-urban municipalities. As a consultant, Rob oversees the delivery of engineering design and management services for both land development and municipal projects. Prior to being a consultant, while working for Rocky View County, Rob's most recent position was Acting Engineering Services Manager. In that position, Rob was responsible for the County's management of a multitude of ongoing land development projects that were associated with the design and construction of tens of millions of dollars of municipal infrastructure.

RECENT PROJECTS

- **CN Calgary Logistics Park South Customer Warehouse Lands, Rocky View County** – Performed project management and detailed Civil Engineering design for a 100 acre industrial business park. Detailed Engineering included: water, wastewater and stormwater infrastructure design.
- **Woody's RV World, Rocky View County** – Performed project management and detailed Civil Engineering design for a 15 acre RV sales center to be relocated to Rocky View County.
- **Conrich Station, Rocky View County –** Project Management and preliminary Civil Engineering design and Engineering servicing strategy report to support a concept plan and land use applications for over 700 acres of land in Rocky View County.
- **Balzac Municipal Review, Rocky View County –** provide municipal review and project file management for the Balzac Development Area on behalf of Rocky View County.
- **Serenity Golf Club, Rocky View County** – On behalf of the owner provide project management and detailed Civil Engineering design for a proposed new 18 Hole Golf Course and Club House.

EDUCATION

2012 – Certificate, PCSWMM hydrology advanced course.

2009
Certificate, Pillars of Management, Mount Royal University

2009
Certificate, Performance Management, SAIT Polytechnic

2003
Bachelor of Arts, Honours., Canadian Government (History), York University

2002
Diploma, Resources Drilling & Blasting Technology, Sir Sandford Fleming College School of Natural Resource Sciences

2000
Bachelor of Arts, Canadian Government (History), York University

EXPERIENCE

Project Manager/Senior Technologist, 2013 – Current, Sedulous Engineering Inc.

Project Manager/Senior Technologist, 2012 – 2013 SweetCroft Engineering

Project Manager/Senior Technologist, 2011-2012
Westhoff Engineering Resources

Engineering Supervisor/Acting Manager, Rocky View County 2007-2011

Assistant Manager of Public Works, Municipality of Northern Bruce Peninsula, 2005-2007

Saskatchewan Territory Manager, Robert Bosch Inc., 2004-2005

Field Technologist, Geoterre, 2003-2004

Water Well Technician, International Water Supply, 2003

AFFILIATIONS

Professional Technologist (Engineering), The Association of Science and Engineering Technology Professionals of Alberta (ASET)

YEARS OF EXPERIENCE

11

SEDULOUS ENGINEERING INC.

Francisco J. Bobadilla, P.Eng., P.E.

Project Engineer

PROFESSIONAL EXPERIENCE

Francisco has 13 years of civil engineering experience. His experience includes a wide range of civil disciplines such as: general civil, transportation, water resources and mining.

Francisco has extensive experience with municipal engineering design including urban road design, deep utilities, stormwater design and modeling and land planning. He has worked on storm, water and wastewater master plans for large communities in Arizona and Alberta, including detailed piping design for a wastewater reclamation facility.

Francisco's transportation experience includes geometric and grading design of highways, interchanges and railway sidings for grain handling/storage facilities.

His mining expertise includes mining reclamation, stormwater management for mine sites and pumping/piping facilities for mining operations.

Francisco is proficient with AutoCAD Civil 3D for digital terrain modeling, utility design and highway design. Francisco is also proficient with stormwater, water and wastewater modeling software.

PROJECT EXPERIENCE

- **CN Calgary Logistics Park South Customer Warehouse Lands, Rocky View County** – Performed detailed Civil Engineering design for a 100 acre industrial business park. Detailed Engineering included: water, wastewater and stormwater infrastructure design.
- **Woody's RV World, Rocky View County** – Performed detailed Civil Engineering design for a 15 acre RV sales centre to be relocated to Rocky View County.
- **Conrich Station, Rocky View County** – Preliminary Civil Engineering design and Engineering servicing strategy report to support a concept plan and land use applications for over 700 acres of land in Rocky View County.
- **Highway 2 & 498th Avenue Interchange, High River, Alberta** – Performed horizontal and vertical design for a major highway interchange as "design-build" project, including stormwater management design.
- **Fertilizer and Grain Storage/Handing facility, McLennan, Alberta –** Access road and site grading design for a grain handling storage facility located in northern Alberta. The project included the geometric and vertical design of multiple railway tracks.
- **Wastewater Reclamation Facility Piping System, Miami, Arizona –** Designed piping system connecting different wastewater treatment components for a wastewater reclamation facility located in Town of Miami, Arizona.
- **Palisene high-profile Mixed Use Master Plan, Phoenix, Arizona –** Prepared Water and Wastewater master plans for a 2,200 acre mixed use master planned community located in Phoenix, Arizona.
- **Multiple Residential/Retail Municipal Engineering, Arizona –** Designed municipal infrastructure such as roads, waterlines, sanitary sewer lines and storm sewage for several residential and commercial projects located throughout Arizona.

EDUCATION

B. Sc., Civil Engineering
University of Sonora, Mexico
2000

EXPERIENCE

Project Engineer, 2013 – Present
Sedulous Engineering Inc.

Lead Civil Designer, 2012- 2013
SweetCroft Engineering Consultants

Project Engineer, 2010-2012
Clifton Associates Ltd.

Project Engineer, 2009-2010
EMC2

Project Engineer, 2008-2009
CMX, Inc.

Project Engineer/Project Manager 2004-2008
M2 Group, Inc.

Civil Designer 2002-2004
William T. Miller Engineering, Inc

Civil Designer/Drafter 2000-2002
M2 Group Mexico

AFFILIATIONS

Professional Engineer
Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Professional Engineer
Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS)

Professional Engineer (PE)
Arizona State Board of Technical Registration

YEARS OF EXPERIENCE

13

B.J. (Brendan) Vickery, B. Sc., Principal
2231 – 31 Avenue SW
Calgary AB, T2T 1T7

B.J. (Brendan) Vickery is the Principal of AGGERS Technical Services Ltd. (AGGERS), a consultancy providing development planning, environmental risk assessment and regulatory application preparation for the natural resources extraction (i.e., pits, quarries and resource roads) and heavy construction (i.e., road-building, infrastructure, utilities and pipelines) industry sectors in Alberta. Mr. Vickery's working experience spans more than thirty (30) years throughout Alberta, western Canada and the western United States and he has acquired wide-ranging expertise on environmental issues and regulatory matters associated with natural resource development activities, operations and facilities.

His work experience and training includes development planning, regulatory applications, interim and final site reclamation work, pre-site environmental assessment, environmental protection planning, environmental risk assessment and risk management, contaminated site remediation, post construction reclamation, property acquisition and divestment due diligence, facility regulatory compliance, environmental inspections and audit programs.

In addition to project/contractor management for reclamation work and environmental project upgrades, Mr. Vickery has also lead several successful permitting teams for technically complex or environmentally sensitive projects (i.e., pits, quarries, industrial facilities) requiring varying levels of a local community engagement process.

Mr. Vickery has also participated, as a chair or member, on several environment committees and task forces for Alberta and B.C. industry associations and has also served as a corporate instructor (both in-house and as a consultant), teaching operations managers about environmental and regulatory matters.

AGGERS / BJ Vickery, regulatory and permitting experience involving federal/provincial application processes, requiring multi-disciplinary reviews:

- Aggregate Pit operations, mine planning and reclamation programs;
- Rock Quarry operations, mine planning and reclamation programs;
- Acid Rock Drainage (quarry operations) remediation program;
- Ready Mix Concrete and Hot Mix Asphalt plant site operations;
- Marine Barging Operations, docks and landing sites;
- Industrial Sites, Emissions Controls and Effluent Treatment;
- Industrial (process) water use and water crossings;
- Pipeline and Road Construction (linear utilities); Highway Maintenance Sites;
- Land use re-designation and Development Permit applications; and,
- Environmental Impact Assessment, preparation and reviews;
    - Limestone Quarry Operations, Coal Mine Operations,
    - Oils Sands Mine and Operations, SAGD Operations.

B.J. (Brendan) Vickery, B. Sc., Principal
2231 – 31 Avenue SW
Calgary AB, T2T 1T7

AGGERS / BJ Vickery, project management experience, environmental assessment, specific environmental protection planning, environmental risk assessment, pre- and post-construction assessments, or contractor supervision for activities and operations:

- Reclamation of depleted aggregate pits;
- Decommissioning and remediation of industrial sites;
- Barge loader decommissioning with pier removal;
- Contaminated Sites, Risk Assessment & Site Remediation;
- Construction Activities, EPP, ERP, SWM, ECO and ESC planning;
- Spill Prevention, Control and Countermeasures;
- Environmental Emergency Response Planning;
- Emergency Response Planning;
- Environmental Site Inspections and Audits; and,
- Environmental Management System pilot projects;
    - Aggregate Pit Operations, Quarry Operations.

B.J. (Brendan) Vickery, B. Sc., Principal
2231 – 31 Avenue SW
Calgary AB, T2T 1T7

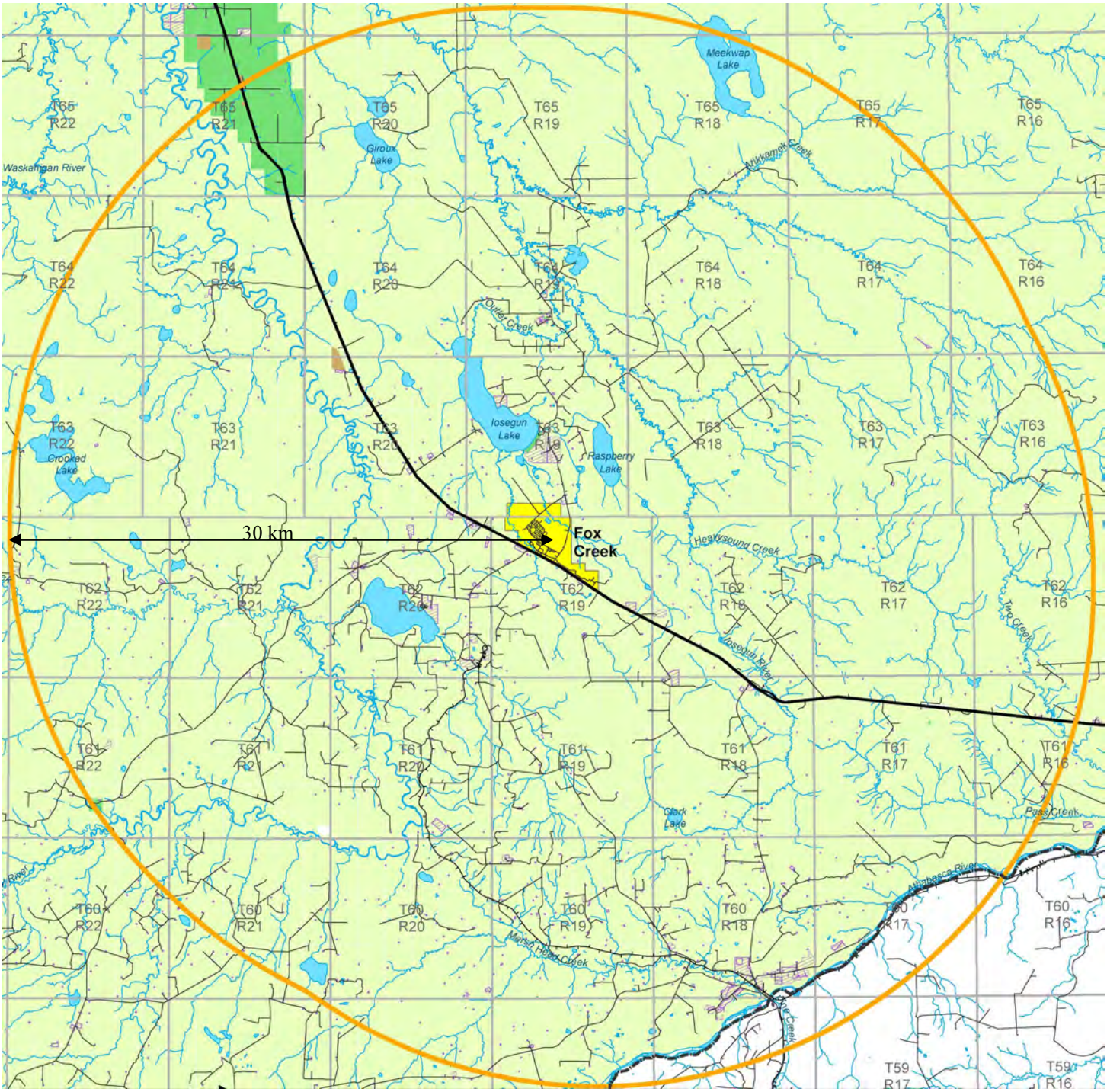
Corporate Profile - AGGERS Technical Services Corporate

AGGERS is a consultancy providing development or environmental planning, risk management and regulatory application services for the natural resources extraction industry throughout Alberta with an operations office based in Calgary, Alberta. We offer our clients the experience required in providing timely and cost-effective solutions for regulatory matters associated with the development, construction, operation and reclamation phases for natural resources extraction and heavy construction industry projects.

AGGERS has also developed strategic working relationships with other professionals to provide agrology, archaeology, civil engineering, geosciences, hydrogeology, hydrology, wildlife and vegetation assessment services when and where required.

AGGERS's primary areas for development planning and regulatory applications in Alberta:

- Highway, utility and waterline construction;
- Phase I Environmental Site Assessments (ESAs);
- Federal regulatory applications, screening and authorizations,
    - Fisheries Act, Navigation Protection Act,
    - Species at Risk Act, Migratory Birds Protection Act;
- *Environmental Protection and Enhancement Act* applications,
    - Approvals, Code of Practice Registrations;
- *Public Lands Act* applications for Surface Dispositions,
    - SMC and SML applications,
    - Conservation and Reclamation Business Plans,
- *Water Act* applications,
    - Approvals, Licences; Code of Practice Registrations,
- Municipal Land Use Redesignations and Development Permit applications;
- Environmental Assessments (EA);
- Environmental Impact Assessment (EIA);
- Environmental Inspection and/or Audits,
    - Pits and Quarries,
    - Highway and Utility Construction;
- Environmental Construction Operations (ECO) plans;
- Erosion and Sediment Control (ESC) Plans;
- Pit and Quarry development planning and related regulatory applications;
- Detailed site assessments (DSA);
- Reclamation Certificate applications; and,
- Post-Construction Reclamation Assessments (PCRA).



Fox Creek Area Rural Development: Site Identi ati n Study RFP

October 05, 2015

Submitted by:

parioplan

In association with:

Associated Engineering
GLOBAL PERSPECTIVE. LOCAL FOCUS.

THURBER ENGINEERING LTD.

Submitted to:

MUNICIPAL DISTRICT OF GREENVIEW No. 16

President:
Armin A. Preiksaitis
BES, RPP, MCIP

Associates:

October 5, 2015 Our File No.: 15-082

Mike Haugen
Chief Administrative Officer **COURIERED**
MD of Greenview No. 16
4806 36 Avenue
Box 1079 T0H 3N0

Dear Mike Haugen:

RE: Request for Proposals, Fox Creek Area Rural Development: Site Identification Study

Thank you for the opportunity to submit the following Request for Proposal. Enclosed please find one (1) hard copy and one (1) digital copy of our proposal for professional consulting services with respect to Fox Creek Area Rural Development Study.

ParioPlan has collaborated with Associated Engineering (Alberta) Ltd. and Thurber Engineering Ltd. to form a highly qualified team of professionals. Our team offers a complementary set of land use planning, transportation, municipal servicing and engineering planning, community consultation, environmental planning, and economic development skills. As such, our team has the qualifications and experience to successfully complete this project.

Specific strengths and extra values that our consulting team will provide to the MD of Greenview include:

- ParioPlan, Associated Engineering and Thurber Engineering are award-winning firms with reputations for creativity and innovation in arriving at workable solutions.
- A team of highly-regarded professionals with expertise in all disciplines required for successful completion of the Site Identification Study, including land use planning, municipal servicing and engineering, municipal finance, economic development and community consultation.
- Track record of successful collaborations on numerous municipal planning and engineering projects over the last 20 years, including site suitability studies in both urban and rural settings.
- Knowledge of the Municipal Government Act, Provincial Land Use Policies, Water Resources Act, Public Land Acts and other government legislation, regulations, policies and best practices.
- Experience collaborating on projects to balance development, environmental, servicing and transportation considerations to produce plans that are technically sound with a broad base of public and political support.

ParioPlan Inc.
#605, 10080 Jasper Ave
Edmonton, AB T5J 1V9
Canada

t: 780.423.6824
f: 780.423.6850

parioplan.com

- Expertise developing policy documents including site suitability and site selection studies, intermunicipal development plans and area structure plans.
- Proven track record of managing project resources to deliver high quality projects on schedule and within budget.

We look forward to the opportunity to work with the MD of Greenview on this project. Should you have any questions, please do not hesitate to contact me at 780.423.6824.

Sincerely,
PARIOPLAN INCORPORATED

Armin A. Preiksaitis, BES, ACP, FCIP
President

Enclosure

cc: Alan Lui, Senior Project Manager, Associated Engineering (Alberta) Ltd.
Chad Maki, Manager, Associated Engineering (Alberta) Ltd.
Niels Rasmussen, Project Geologist, Thurber Engineering Ltd.

ParioPlan Inc.
#605, 10080 Jasper Ave
Edmonton, AB T5J 1V9
Canada

t: 780.423.6824
f: 780.423.6850

parioplan.com

Proposal for Consulting Services

Fox Creek Area Development: Site Identification Study

Submitted to

MUNICIPAL DISTRICT OF GREENVIEW No. 16

By

parioplan

#605 10080 Jasper Avenue
Edmonton, AB T5J 1V9
Ph: 780.423.6824 Fax: 1.855.611.8701
email: armin@parioplan.com
www.parioplan.com

In association with

Associated Engineering

THURBER ENGINEERING LTD.

October 05, 2015

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APPENDICES

APPENDIX A – ParioPlan Incorporated – Insurance Documents, Workers Compensation, Corporate Profile and Resumes
APPENDIX B – Associated Engineering (Alberta) Ltd. / Summit Environmental – Corporate Profile and Resumes
APPENDIX C – Thurber Engineering – Corporate Profiles and Resumes

1.0 PROJECT UNDERSTANDING

From carefully reading the Request for Proposals (RFP); review of background information; and knowledge of the region, the following is a brief description of our project understanding and the Municipal District of Greenview's (Greenview) desired outcomes.

- A strategic goal of the Greenview is to increase its permanent population by identifying sites within 30 kilometers of Fox Creek that are suited for industrial and residential development.
- With regard to residential development, Greenview wishes to develop "*large scale county estate style residential development at various densities*."
- Greenview also wishes to identify potential larger sites for industrial development (10+ acres) which will be separated from proposed residential development to avoid land use conflicts.
- As part of the scope of the work, to gather information on the site selection process, we would interview the following agencies (the list is not exhaustive):
    - Northern Gateway Public Schools
    - Holy Family Catholic Regional Division #37
    - Alberta Transportation
    - Alberta Environment and Parks
    - Town of Fox Creek
    - Local Industry (Energy, Forestry, FMA holders and other agencies as necessary)
- The availability and cost of providing roadway and utility infrastructure needs to be considered in the site selection process. Infrastructure would include a source of potable water and access to power, gas, cable, internet, etc.
- As the study area includes predominantly Crown Lands, consultation and buy-in from Alberta Environment and Parks (AEP) is critical in order to be able to acquire potential industrial and residential development sites from the Province at a reasonable price. ParioPlan has considerable experience in site selection on Crown Lands and consultation with the relevant provincial government departments for land disposition/acquisition. See Section 3.0 RELEVANT PROJECT EXPERIENCE AND REFERENCES.
- The project schedule anticipates the project start on October 13, 2015 and is to be completed by December 15, 2015.

2.0 OUR TEAM

2.1 Corporate Profiles

We have assembled a highly qualified, interdisciplinary team with the pre-requisite qualifications and experience to successfully carry out the *Fox Creek Area Rural Site Identification Study*. All members of our team have successfully worked together on similar projects over the past 20 years. The consulting team provides the following areas of expertise:

Land Use planning; site selection; environmental planning; economic development; stakeholder consultation; government relations; and GIS mapping capabilities (www.parioplan.com)

Transportation planning; municipal infrastructure and planning; costing; and environmental planning (https://www.ae.ca/)

Desktop Geotechnical assessment (http://www.thurber.ca/)

The following is a summary of the key strengths our firms bring to this consulting engagement:

- A highly-experienced team of senior professionals who are fully accredited, skilled and respected, bringing municipal planning, engineering, municipal finance, economic development and consultation experience.
- Expertise developing policy documents including site suitability and site selection studies, intermunicipal development plans and area structure plans.
- Associated Engineering and Thurber Engineering have recent project experience in the MD of Greenview.
- Experience collaborating on projects to balance development, environmental, servicing and transportation considerations to produce plans that are technically sound with a broad base of public and political support.
- Knowledge of the Municipal Government Act, Provincial Land Use Policies, Water Resources Act, Public Lands Act and other government legislation, regulations, policies and guidelines.
- A track record for managing project resources to deliver high quality plans on schedule and within budget.

The following section briefly describes the roles, qualifications and experience of our team members.

2.2 Team Members

PARIOPLAN INCORPORATED is an award-winning Edmonton based professional planning and design firm established in 1996. In 1996, founder and President Armin Preiksaitis – a professional planner since 1973 - formed the Edmonton-based consulting firm Armin A. Preiksaitis & Associates Ltd. The company's growth and expanding client base over the years resulted in the addition of associates, planners, designers and planning technicians. Today the firm has 12 professional, technical and support

staff. Our current project work and professional affiliations keep us abreast of land use trends and best practices. It also enables us to quickly form multi-disciplinary teams capable of undertaking an impressive range of planning and development projects.

ParioPlan's well-rounded team offers a range of consulting services to clients in the private, public and non-profit sectors throughout Western Canada. The firm's award-winning projects testify to our innovative approaches and focused solutions. Planning work is supported by in-house services that include GIS, mapping, graphics production, project management and community consultation. For projects that require expertise in other areas, our affiliations with reputable professionals allow us to seamlessly form inter-disciplinary teams.

Armin A. Preiksaitis, BES, RPP, FCIP **Principal-In-Charge**

Role: As project manager, Armin Preiksaitis will oversee the work of all team members and provide strategic advice. He will also attend meetings with and give presentations as required.

Qualifications: Armin Preiksaitis is founder and President of ParioPlan Incorporated (formerly Armin A. Preiksaitis & Associates). His planning career spans 42 years of experience as a professional planner, manager, and president of the Edmonton Downtown Development Corporation, and 20 years as a planning consultant to the public and private sectors. Armin is a Fellow of the Canadian Institute of Planners – the highest honor for a professional planner in Canada. Armin's four decades in planning and development give him in-depth understanding of the municipal approval process, as well as a balanced perspective of the needs of both private developers and municipal clients.

Karolina Drabik, MPA, BA.A., RRP, MCIP **Senior Planner**

Role: Karolina will conduct the stakeholder interviews, analyse data and will help prepare the draft and final report.

Qualifications: A Senior Planner at ParioPlan, Karolina has over 15 years of planning experience in the public and private sectors, in both urban and rural contexts. She has extensive planning and project management experience in preparing Area Structure Plans for country residential, commercial and industrial developments. She also has solid experience as a public consultant and understands how to engage with community stakeholders to reach desired project outcomes. Karolina's professional planning background covers a wide range of projects that include preparation of statutory plans, land use bylaws, development concepts, community engagement programs, policy review, and economic development. Karolina has completed a Masters in Public Administration from the University of Victoria and a Bachelor of Applied Arts in Urban and Regional Planning from Ryerson University.

Anne Wang, BES, CPT **Planner/Urban Designer**

Role and responsibilities: Anne will carry out the research and analysis, assist in the writing of the report, and will coordinate the needed GIS mapping.

Qualifications: Anne has 5 years of professional experience as a Planner, Planning Technician and Designer – much of this at ParioPlan. Anne's education and background combines a strong understanding of planning and urban design principles with in-depth knowledge of graphic cartographic principles. Her project experience includes GIS capabilities, site plans, conceptual landscape design, subdivision, access analysis, land use bylaw amendment, area structure plans, conceptual streetscape

designs and land use bylaws. At ParioPlan, Anne assists with research, analysis, detailed site plans and subdivision design. Her strong technical skills make her an asset to the ParioPlan team.

Natasha De Sandi, BES, MPlan **Planner/Community Consultant**

Role: Natasha will support Karolina and Anne in collecting and analysing data and organizing stakeholder interviews.

Qualifications: Natasha recently joined the ParioPlan team with a Master of Planning degree from the University of Calgary. Her professional experiences include planning and urban design with ParioPlan Incorporated and community consultation for both a private firm in Calgary and Active Neighbourhoods Canada. Her professional experience has allowed her to participate in a multidisciplinary team setting with a wide range of project types. Natasha also brings experience as a planning and policy researcher with the CITY Institute at York University, Toronto.

Merilyn Carlstad, BCD **Planning Technician**

Role: Merilyn will produce the required mapping for site selection for the final report.

Qualifications: Merilyn has 25 years of drafting experience as a Planning and Drafting Technician in the public and private sectors. She supports ParioPlan projects with the production of detailed and accurate maps. Merilyn brings extensive mapping experience for planning and development projects, including tentative plans of subdivision, area structure plans, general municipal plans, transportation concept plans, survey plans and land development plan profiles. She is also skilled at preparing figures for technical reports, exhibits and presentation materials for public meetings.

ASSOCIATED ENGINEERING ALBERTA LTD. (AE) was founded in Edmonton in 1945. AE is one of Canada's most comprehensive, employee-owned consulting engineering organizations, offering clients a dedicated team of professionals who work to develop solutions and turn ideas into reality. Client needs are met through close personal relationships and technical expertise, the hallmark of our staff.

Since 2003, the company has more than doubled in size. AE now has 21 offices across Canada. We have more than 920 staff, including engineers, scientists, technologists, technicians, and support staff, specializing in the water, infrastructure, transportation, industrial, environmental, energy, and building sectors. Clients recognize AE for providing cost-efficient, innovative, value-added solutions. We pride ourselves on achieving solutions that incorporate safety, community input, and environmental sustainability. Our engineering services range from planning and feasibility studies to detailed design, construction, training, operational assistance, and asset management. We have participated in world-class projects in Canada and around the world, for both public and private sector clients.

Recognized as an industry leader, AE has received provincial, national, and international awards for engineering services, which demonstrates our ability to develop innovative, value-added solutions that are practical and environmentally sustainable. In 2013, we received Canadian Consulting Engineering's highest honour, the Schreyer Award, for the design of the City of Edmonton's *West Edmonton Sanitary Sewer Tunnel.* Since 2008, AE has been named as one of Canada's Best Managed Companies, an award which recognizes our innovation, growth, dedication to our staff, and business performance.

AE's latest projects with MD of Greenview include:

- Little Smoky Distribution System
- Crooked Creek Water Distribution Line
- Industrial Camp Site Lagoon Site Study
- Valleyview Rural Water Loop Study
- Ridgevalley Water Treatment Plant Upgrade
- Grovedale Water Treatment Plant
- Landry Heights Distribution System
- Drinking Water Safety Plans

Alan Lui, P.Eng. **Project Manager**

Role: Alan will be AE's Project Manager responsible for project client/consultant communication and day to day management aspects of internal activities for project control and end product quality.

Qualifications: Alan has 37 years of experience in construction, local government and consulting engineering industry. As a Senior Project Manager of Associated Engineering, Alan's experience cover a wide range of infrastructure projects, including water reservoirs and pump houses, water distribution, sewage collection, sewage lagoon and roadwork.

Candice Gottstein, P.Eng. **Civil Engineer**

Role: Candice will be responsible for the preliminary water and sewer servicing requirements of the proposed development areas including offsite water and sewer requirements, pipe routing, tie-in locations, and overall servicing concept.

Qualifications: Candice is a Civil Engineer with over seventeen (17) years' experience on a variety of municipal infrastructure civil engineering projects. Candice has extensive modeling experience of water, sanitary, and storm systems completing several water and sewer master plans for communities with Alberta. She has participated and led in conceptual, preliminary, detailed design and field engineering on municipal projects.

Carolyn Skoworodko, P.Eng. **Transportation Engineer**

Role: Carolyn will be responsible for the preliminary transportation and highway access analysis. This will include indicating highway access points and developing offsite road network to each development.

Qualifications: Carolyn has 6 years of experience involves a combination of transportation planning and engineering, as well as community planning in Alberta, Saskatchewan, Manitoba, and Ontario. Carolyn's transportation planning experience includes active transportation planning, functional planning, concept design, transportation impact assessments, and traffic modeling in EMME.

Lisbeth Medina, M.Sc., P.Eng. **Water Resources Engineer**

Role: Lisbeth will be responsible for the preliminary storm water management assessment, stormwater management facility locations, sizes, and outfall requirements and costs.

Qualifications: Lisbeth has over six years of experience in urban drainage design, stormwater management, sanitary model calibration and assessment of existing and future conditions (including minor and major drainage systems). She has also performed detailed hydrotechnical and hydraulic analysis for various standard culverts and bridges projects in the province of Alberta. Lisbeth has bridge construction supervision experience, as well as preliminary design and assessment of standard bridges and culverts on a number of projects in northern Alberta.

Richard Simpson, RPF. **Environmental Planner**

Role: Richard will be responsible for the preliminary environmental desktop study of the proposed development areas.

Qualifications: Richard is a Professional Forester with over 14 years of experience in land-use and forest-management planning in western Canada. In his current position as Senior Environmental Planner, Richard has a key role in projects requiring environmental assessment, planning and permitting. Richard has several areas of project experience: project management, environmental lead for permitting, approvals, and monitoring for a range of engineering and construction projects across Alberta. Richard also has experience with traditional land use studies and software development.

Marianne Lund, P.Eng. **Process Engineer**

Role: Marianne will be responsible for preliminary water treatment plant sizing and cost estimate if required.

Qualifications: Marianne has 6 years of relevant technical and project engineer experience as a process engineer on municipal, regional, and industrial water and wastewater projects. Marianne has involved with a wide variety of treatment and supply water projects that involve all the stages of a project's lifecycle, including feasibility studies, assessments, pre-designs, designs, operating philosophy development, cost estimating, scheduling, preparation of tender specifications, construction supervision and inspections, operational troubleshooting, optimization, and operations manual development.

THURBER ENGINEERING LTD is a private Canadian company wholly-owned by the senior practicing professionals. Thurber was established in 1957 and has presently a staff of about 350, operating out of ten permanent offices in Edmonton, Calgary, Fort McMurray, Toronto, Ottawa, Vancouver, Victoria, Squamish, Kamloops, and Saskatoon. The company has a wide base of professional experience in geotechnical, geological, and construction materials engineering, and environmental sciences. The company has a very strong base of operation in Alberta with an average staff of about 200. Thurber offers consulting services in the areas of Geotechnical Engineering, Construction Materials Engineering and Testing and Environmental Sciences.

Thurber's teams of professionals are well supported by laboratory facilities, specialized field-testing equipment, innovative field instrumentation and state-of-the-art computer analysis techniques. Each office specializes to serve the needs of their clients within the environment of its region and has professional skills and laboratory facilities to meet the local needs. The Thurber organization is set up to provide fast, efficient and economical service to our local clients, with speedy access to the resources of the entire company. We will be pleased to elaborate on any of the above services of particular interest to you. Meanwhile, we hope that the information provided is satisfactory for considering Thurber for the services needed by your organization. Thurber also has significant experience completing detailed

geotechnical drilling investigation for land developments/subdivisions. Additional information is on our website at www.thurber.ca.

Mr. Don Proudfoot, P.Eng. **Geotechnical Review Engineer**

Role: As Geotechnical Review Engineer for this project, he will provide technical review, attend meetings, provide corporate representation for budgetary and scheduling aspects on the geotechnical component of the project.

Qualifications: Mr. Proudfoot has over 30 years of geotechnical engineering experience on a variety of projects including transportation, industrial plants, bridges, tunnels, mining, dams, slope stability assessments, land development and geotechnical instrumentation.

Mr. Robin Tweedie, P.Eng. **Alternate Review Engineer**

Role: Mr. Robin Tweedie will be the alternate review engineer.

Qualifications: Mr. Tweedie has over 35 years of geotechnical engineering experience on a variety of projects including tunnels, industrial plants, transportation, bridges and structures, water resources, land development, municipal and mining projects.

Mr. Niels Rasmussen, P. Geo. **Project Geologist**

Role: As the project coordinator, Mr. Rasmussen will be responsible for coordinating the field program (if required), conducting the data review and completing the report preparation for the geotechnical study.

Qualifications: Mr. Rasmussen is a Project Geologist with 7 years of geotechnical and geological experience. He has worked on preliminary geotechnical desktop assessments and field investigations for several area structure plans and development plans.

Mr. Milan Butorac, P.Geol. **Senior Hydrogeologist**

Role: As the senior hydrogeologist, Mr. Butorac will be responsible for air-photo interpretation and determining the geological and hydrogeological setting for the project.

Qualifications: Mr. Butorac is a Project Hydrogeologist with Thurber with over 30 years of geological/hydrogeological experience. Over the last 15 years he has completed a number of regional and detailed geological and hydrogeological projects in Alberta.

3.0 RELEVENT PROJECT EXPERIENCE AND REFERENCES

1. CN Strategic Plan - Lynton Siding, 2013 Karen Jensen Manager, Business Development & Real Estate karen.jensen07@cn.ca 780-643-7652	The purpose of this study was to conduct Phase I research and analysis in support of a concept plan development for Canadian National's (CN) strategic plan for industrial development adjacent to Lynton Siding in the Regional Municipality of Wood Buffalo (RMWB). This expansion will target industrial users interested in large land parcels serviced by both rail and road. The project resulted in a concept plan that CN can present to the Province of Alberta and the RMWB to reserve Crown Land for future rail-related industrial development. The desired outcome is to have the Crown assign a Protective Notation to the study area and keep it free of development constraints in order to ultimately use it as a transload facility.
2. Development Suitability Study for the Lands Owned by the Regional Municipality of Wood Buffalo (RMWB) in the Hamlet of Anzac, 2012 Jim Keefe Keefe Consultants jameskeefe@keefeconsultants.ca (780) 496-3582	In association with Associated Engineering and Thurber Engineering, ParioPlan undertook a site analysis of approximately 1,685 hectares (4,163 acres) that included lands within the Hamlet boundary as well as an additional 1.5 quarter sections. The study was critical in response to a projected population of 6,000-8,000 people by the year 2031, the Hamlet of Anzac has been identified as a Priority Growth Area in the Regional Municipality of Wood Buffalo's (RMWB) new *Municipal Development Plan.* The specific objective of the Study was to determine the area's suitability for future development into estate residential. Included in the Study was an analysis of: land ownership patterns, developable land within the boundary and potential for Crown land located immediately adjacent to the existing Hamlet boundary, and suitability for immediate development. The Study concluded with recommendations for site specific population capacities, a servicing strategy, geotechnical constraints, gross development calculations and an implementation strategy.
3. Fort McMurray Fringe Area Growth Assessment, 2007, ACIP Award Beth Sanders Populus Community Planning Inc. beth@populus.ca (780) 886-0354	Enormous growth in Fort McMurray was the impetus for a study to identify areas suitable for future urban expansion. In association with Associated Engineering and Thurber Engineering, we were retained by the Regional Municipality of Wood Buffalo (RMWB) to develop an urban growth strategy. This included the assessment of six potential urban expansion areas in Fort McMurray's urban service area to accommodate a future population of 250,000. As the land is characterized by many man-made and natural constraints, the work included identifying development opportunities and constraints. We forecast future growth rates and land requirements to determine the development potential of each area. The six growth areas were evaluated based on transportation and

	servicing costs, ease of implementation, environmental constraints, access to community services, balanced community and contiguous development. The Study became an important 'blueprint' for not only the RMWB, but also various provincial departments in establishing priorities for the release of Crown land and making strategic investments in roadway and utility infrastructure.
4. Highway 63/881 Corridor Area Structure Plan, 2007 Martin Frigo Parkland County mfrigo@parklandcounty.com (780) 968-8888 x 8393	ParioPlan undertook a study for the Regional Municipality of Wood Buffalo (RMWB) to develop an Area Structure Plan for the Hwy 63/881 corridor. Among the objectives were to assess the opportunities for residential, commercial and industrial development/growth, determine the environmental/geotechnical constraints for development, and assess impacts of development on parks and recreation, determine future transportation, and infrastructure needs, and identify environmental and historical resources for protection. The project included extensive community and stakeholder engagement and consultation with Alberta Transportation, Environment and Sustainable Development. Among the key stakeholders were also First Nations, businesses and community based organizations.

4.0 WORK PLAN AND TIMELINES

We have organized the work plan into 3 Phases, to be completed between October 13 and December 15, 2015. The following is a brief description of each phase of work and estimated timelines, and a Project Schedule is presented in Figure 1.

PHASE I PROJECT INITIATION/DATA COLLECTION AND ANALYSIS
Task 1 **Project Start-up Meeting / Site Tour (Site Visit #1)**
Task 2 **Confirm Site Selection Criteria**
***Task* 3** **Organize Required Base Mapping**
***Task* 4** **Conduct Desktop Geotechnical**
Task 5 **Stakeholder Interviews (Site Visit #2)**

Task 1 – It is assumed that the project will be awarded by October 13, 2015. Our team would set up a site visit to Fox Creek for a Project Start-up Meeting to confirm the scope of work, deliverables, budget and project schedule, as well as to obtain available base mapping and aerial photography for the Study Area. It would also be an opportunity for our team members to tour the study area with Greenview staff to better understand the existing roadway networks and physical opportunities and constraints.

Task 2 – It is important to also confirm the Site Selection Criteria and assign a weighting to the criteria. Our team used a similar approach in selecting and assigning priorities to lands for both residential and urban expansion of the Fort McMurray Fringe Area Study.

Task 3 – Organizing Base Mapping would include obtaining digital base mapping and aerial photography for the study area, and organizing information in a GIS format with different layers of data that could be manipulated for analysis and site selection.

***Task* 4** – A Desktop Geotechnical analysis would be conducted by Thurber Engineering Ltd. They will review surficial geology, bedrock geology, topography maps and any previous geotech investigations. Satellite/aerial imagery, as provided by Greenview, will be used to check for muskeg and any other constraints. Deliverables will include a map showing suitable areas for development and recommendations will be made for future investigations.

Task 5 – As stated in the RFP, tasks include stakeholder interviews and collection of pertinent data from Northern Gateway Public Schools, Holy Family Catholic Regional Division #37, Alberta Transportation, Alberta Environment and Parks, Town of Fox Creek, Local Industry as needed including Energy, Forestry, FMA holders and other agencies as necessary.

Deliverables of Phase I

- Record of Meeting from Project Start-up Meeting
- Consulting Contract
- Base Mapping in GIS format
- Results of Desktop Geotechnical showing potential areas suitable for industrial and residential development
- Data and notes gathered from Key Person Interviews
- Status report and preliminary findings submitted to MD of Greenview

Timeline of Phase I
October 13 – November 13, 2015

PHASE II SITE EVALUATION SELECTION

Task 6 **Site Suitability Analysis**
Task 7 **Coordination with Alberta Environment and Parks (AEP) - Purchase Crown Land**
Task 8 **Estimated Site Development Cost**
Task 9 **Workshop with Greenview staff to Select Preferred Sites (Site Visit #3)**

Task 6 – Thurber Engineering's Desktop Geotechnical Analysis will determine through a series of overlay mapping what parts of the study area have severe, moderate or no constraints to development. Additional data will be overlaid to identify areas that are environmentally sensitive. A GIS analysis of the information will be used to select the preferred sites for development.

Task 7 – The study area includes predominantly Crown Lands. Therefore, ongoing to the selection of suitable sites, ParioPlan will consult and coordinate with AEP for the purchase of lands at a reasonable price.

Task 8 – A high level cost estimate will be provided for the chosen sites based on the concept of off-site/on-site servicing water/sewer; on-site storm water management; highway access points, and off-site/on-site road network.

Task 9 – The project team will hold a workshop with the Greenview administration and Council. The aim of the workshop is to choose preferred sites based on information on site suitability and site development cost estimates, gathered in the previous stages. It will be a 2-2.5 hour workshop and material will be provided in advance.

Deliverables of Phase II

- Results of Site Suitability Analysis and site development cost estimates
- Summary of workshop with Greenview staff

Timeline of Phase II
November 01 – December 01, 2015

PHASE III FINAL REPORTING

Task 10 **Draft Report (Site Visit #4)**
Task 11 **Final Report**

Task 10 – The Draft report will identify sites suitable for residential and industrial development, and recommended priority of site development based on the weighting criteria decided on in Task 2, feedback from the stakeholders, results of the Desktop Geotechnical, cost estimates and the workshop held with the Greenview Administration and Council. The Report will also include all the requirements as stated in Section 3 of the RFP including location of proposed sites to school catchment areas, routes and locations for municipal infrastructure and availability of internet services and identification of any environmental issues.

Task 11 – The Final Report will be submitted following any requested revisions to the Draft Report.

Deliverables of Phase III

- Draft Report including all studies, and maps and illustrations
- Final Report including all studies, and maps and illustrations

Timeline of Phase III

November 15 – December 15, 2015

5.0 PROJECT BUDGET

5.1 Budget

Our core consulting budget, including fees and expenses, for the scope of work outlined in this consulting proposal is **EIGHTY NINE THOUSAND NINE HUNDRED EIGHT DOLLARS AND FIFTY FOUR CENTS ($89,908.54)** plus GST. A detailed Time and Fee Budget by team member and task is presented in Figure 2 on the following page. Expenses are based on 6% of fees. Additional meetings or work approved by the County would be charged out based on the staff charge out rates in Figure 2, plus 6% expenses

The following Budget Summary table presents our fees and expenses by Phase. A detailed time and fee budget by task and team member is presented in Figure 2. The daily and hourly charge out rates of each team member are identified in Figure 2.

Table 1: Budget Summary

PHASE		FEES	EXPENSES (6%)	TOTAL
PHASE I	PROJECT INITIATION / DATA COLLECTION AND ANALYSIS	$28,134.38	$1,688.06	$29,822.44
PHASE II	SITE EVALUATION SELECTION	$33,116.25	$1,986.98	$35,103.23
PHASE III	FINAL REPORTING	$23,568.75	$1,414.13	$24,982.88
	TOTAL	**$84,819.38**	**$5,089.16**	**$89,908.54** *plus GST*

5.2 Terms and Conditions

In preparing the budget, we assume the following support and information will be available from the MD of Greenview, free of charge, to the consulting team:

- Before initiating any project work, we will require a fully executed Consulting Agreement or Letter of Authorization to proceed;
- Base mapping and aerial photography in digital format;
- Copies of planning documents and other studies to be reviewed;
- Production and distribution costs for any advertising, newsletters or mass mail-outs;
- Client will cover costs related to the workshop with administration and council, room rentals, refreshments, audiovisual equipment and other out-of-pocket expenses;
- Invoices for work completed will be sent to the client on a monthly basis accompanied by a project status report. Invoices are payable within 30 days of receipt. A 1.5% per month will be applied to any outstanding balance after 30 days;

- Any services over and above those described in this proposal's work plan may be negotiated on a time and cost basis.

Figure 1: Project Schedule

Phase I

OCT. 13. 2015 – NOV. 13. 2015

Project initiation |Data Collection and Analysis

Tasks

1. Project Start-up Meeting / Site Tour (Site Visit #1)
2. Confirm Site Selection Criteria
3. Organize Required Base Mapping
4. Conduct Desktop Geotechnical
5. Stakeholder Interviews (Site Visit #2)

Phase I Deliverables:

- Record of Start-up Meeting
- Consulting Contract
- Base Mapping in GIS format
- Results of Desktop Geotechnical showing potential areas suitable for industrial and residential development
- Data and notes gathered from Key Person interviews
- Status report and preliminary findings submitted to MD of Greenview

Phase II

NOV. 1. 2015 – DEC. 1. 2015

Site Evaluation Selection

Tasks

6. Site Suitability Analysis
7. Coordination with Alberta Environment and Parks (AEP) - Purchase Crown Land
8. Estimated Site Development Cost
9. Workshop with Greenview Administration staff to Select Preferred Sites (Site Visit #3)

Phase II Deliverables:

- Results of Site Suitability Analysis and site development cost estimates
- Summary of workshop with Greenview staff

Phase III

NOV. 15. 2015 – DEC. 15. 2015

Final Reporting

Tasks

10. Draft Report (Site Visit #4)
11. Final Report

Phase III Deliverables:

- Draft Report including all studies, and maps and illustrations
- Final Report including all studies, and maps and illustrations

PARIOPLAN INC.

AP - Armin Preiksaitis
KD- Karolina Drabik
AW - Anne Wang
ND- Natasha De Sandi
MC- Merilyn Carlstad

ASSOCIATED ENGINEERING (ALBERTA) LTD.

AL - Alan Lui
CG - Candice Gottstein
CS - Carolyn Skoworodko
LM - Lisbeth Medina
RS - Richard Simpson
ML - Marianne Lund

THURBER ENGINEERING

DP - Don Proudfoot
RT - Robin Tweedie
MB - Milan Buturac
NR - Niels Rasmussen
KW - Kelsey Wray - Drafting
LG - Lisa Guisti - Typing

Figure 2: Time and Fee Budget

Project: Fox Creek Area Rural Development: Site Identification Study

Date: October 5, 2015

			PARIOPLAN INC.					ASSOCIATED ENGINEERING (ALBERTA) LTD.						THURBER ENGINEERING					BUDGET ($)		
		firm																			
		staff code	AP	KD	AW	NC	MC	AL	CG	CS	LM	RS	ML	DP or RT	MB	NR	KW	LG	FEES	EXPENSES*	
		per hour	$275.00	$175.00	$125.00	$110.00	$120.00	215.00	$180.00	$150.00	$150.00	$179.00	$150.00	$240.00	$165.00	$145.00	$105.00	80.00			
		per diem (based on 7.5 hrs/day)	$2,062.50	$1,312.50	$937.50	$825.00	$900.00	$1,612.50	$1,350.00	$1,125.00	$1,125.00	$1,342.50	$1,125.00	$1,800.00	$1,237.50	$1,087.50	$787.50	$600.00			
CODE	TASK DESCRIPTION	hours																	($)	6%	TOTAL
PHASE I	**PROJECT INITIATION/DATA COLLECTION AND ANALYSIS**																				
Task 1	Project Start-up Meeting / Site Tour		1.00		1.00	1.00		1.00											$5,437.50	$326.25	$5,763.75
Task 2	Confirm Site Selection Criteria		0.50	0.50				0.50											$2,493.75	$149.63	$2,643.38
Task 3	Organize Required Base Mapping				2.00		2.00												$3,675.00	$220.50	$3,895.50
Task 4	Conduct Desktop Geotechnical		0.25		1.00									1.00	3.00	4.00	1.00	0.25	$12,253.13	$735.19	$12,988.31
Task 5	Stakeholder Interviews			2.00		2.00													$4,275.00	$256.50	$4,531.50
		Phase I Totals	1.75	2.50	4.00	3.00	2.00	1.50	0.00	0.00	0.00	0.00	0.00	1.00	3.00	4.00	1.00	0.25	$28,134.38	$1,688.06	$29,822.44
PHASE II	**SITE EVALUATION SELECTION**																				
Task 6	Site Suitability Analysis (AE to complete)		1.00	2.00	3.00	2.00	2.00					4.50							$16,991.25	$1,019.48	$18,010.73
Task 7	Coordination with ASRD - Purchase Crown Land		1.00	1.00															$3,375.00	$202.50	$3,577.50
Task 8	Estimated Site Development Cost								2.50	1.50	1.50		0.50						$7,312.50	$438.75	$7,751.25
Task 9	Workshop with Greenview Administration to Select Preferred Site		1.00		1.00	1.00		1.00											$5,437.50	$326.25	$5,763.75
		Phase II Totals	3.00	3.00	4.00	3.00	2.00	1.00	2.50	1.50	1.50	4.50	0.50	0.00	0.00	0.00	0.00	0.00	$33,116.25	$1,986.98	$35,103.23
PHASE III	**FINAL REPORTING**																				
Task 10	Draft Report		1.00	1.00	3.00	2.00	3.00	2.00	1.00	1.00	1.00			1.00					$19,162.50	$1,149.75	$20,312.25
Task 11	Final Report		0.50	0.50	0.50				1.00					0.50					$4,406.25	$264.38	$4,670.63
		Phase III Totals	1.50	1.50	3.50	2.00	3.00	2.00	2.00	1.00	1.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	$23,568.75	$1,414.13	$24,982.88
			6.25	**7.00**	**11.50**	**8.00**	**7.00**	**4.50**	**4.50**	**2.50**	**2.50**	**4.50**	**0.50**	**2.50**	**3.00**	**4.00**	**1.00**	**0.25**	**$84,819.38**	**$5,089.16**	**$89,908.54**
			$12,890.63	$9,187.50	$10,781.25	$6,600.00	$6,300.00	$7,256.25	$6,075.00	$2,812.50	$2,812.50	$6,041.25	$562.50	$4,500.00	$3,712.50	$4,350.00	$787.50	$150.00			***plus GST***

ParioPlan Incorporated	$45,759.38
Associated Engineering	$25,560.00
Thurber Engineering	$13,500.00
Expenses*	$5,089.16
TOTAL	**$89,908.54**
	plus GST

*** Expenses include airfare, hotel, car rentals, meals, mileage, internal photocopying, printing of draft and final reports, couriers, postage, etc.**

APPENDIX A

ParioPlan Incorporated

Insurance Documents
Workers Compensation
Corporate Profile
Resumes

www.parioplan.com

CSIO CERTIFICATE OF INSURANCE

DATE (YY/MM/DD): 14/12/16

BROKER: CMB Insurance Brokers
#201, 1430 - 91 St. SW
Edmonton, AB T6X 1M5

BROKER'S CLIENT ID: ARMIN-1

This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policies below.

COMPANIES AFFORDING COVERAGE

COMPANY A: Encon Insurance Managers

COMPANY B: Intact Insurance Company

COMPANY C:

COMPANY D:

INSURED'S FULL NAME AND MAILING ADDRESS
Armin A. Preiksaitis & Assoc .
and ParioPlan Inc.
#605, 10080 - Jasper Avenue
Edmonton, AB T5J 1V9

COVERAGES

This is to certify that the policies of insurance listed below have been issued to the insured named above for the policy period indicated, notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain. The insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

TYPE OF INSURANCE	CO LTR	POLICY NUMBER	POLICY EFFECTIVE DATE (YY/MM/DD)	POLICY EXPIRATION DATE (YY/MM/DD)	LIMITS OF LIABILITY (Canadian dollars unless indicated otherwise)	
COMMERCIAL GENERAL LIABILITY						
[ ] CLAIMS MADE OR [X] OCCURRENCE					EACH OCCURRENCE	$ 3000000
[X] PRODUCTS AND / OR COMPLETED OPERATIONS	B	5A1304624	15/01/23	16/01/23	GENERAL AGGREGATE	$
[X] EMPLOYERS'S LIABILITY					PRODUCTS - COMP/OP AGG	$ 3000000
[X] CROSS LIABILITY					PERSONAL INJURY	$ 3000000
[X] TENANT'S LEGAL LIABILITY					TENANT'S LEGAL LIABILITY	$ 500000
[X] NON-OWNED					MED EXP (Any one person)	$ 10000
[X] HIRED					NON-OWNED AUTO	$ 3000000
[ ] POLLUTION LIABILITY EXTENSION					OPTIONAL POLLUTION LIABILITY EXTENSION	$
					(Per Occurrence)	$
					(Aggregate)	$
AUTOMOBILE LIABILITY					BODILY INJURY PROPERTY DAMAGE COMBINED	$
[ ] DESCRIBED AUTOMOBILES						
[ ] ALL OWNED AUTOS					BODILY INJURY (Per person)	$
[ ] LEASED AUTOMOBILES						
[ ]					BODILY INJURY (Per accident)	$
[ ]						
[ ]					PROPERTY DAMAGE	$
[ ]						
** ALL AUTOMOBILES LEASED IN EXCESS OF 30 DAYS WHERE THE INSURED IS REQUIRED TO PROVIDE INSURANCE						
EXCESS LIABILITY					EACH OCCURRENCE	$
[ ] UMBRELLA FORM					AGGREGATE	$
[ ] OTHER THAN UMBRELLA FORM						
(Specify)_____						
OTHER LIABILITY (SPECIFY) Errors & Omissions	A	SRD413222	15/01/23	16/01/23	PER CLAIM LIMIT AGGREGATE LIMIT	2000000 2000000

ADDITIONAL INSURED
Not Applicable

DESCRIPTION OF OPERATIONS/LOCATIONS/AUTOMOBILES/SPECIAL ITEMS

CERTIFICATE HOLDER

To Whom It May Concern

CANCELLATION

Should any of the above described policies be cancelled before the expiration date thereof, the issuing company will endeavor to mail 00 days written notice to the certificate holder named to the left, but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents or representatives.

SIGNATURE OF AUTHORIZED REPRESENTATIVE
S. Cardinal

PRINT NAME INCLUDING POSITION HELD
Sue Cardinal
Account Manager

FAX NUMBER	EMAIL ADDRESS	COMPANY	DATE
780-424-4612	scardinal@cmbinsurance.ca	CMB Insurance Brokers	14/12/16

CSIO CERT (2000/06)

OP ID: MC

CSR: SC

Workers' Compensation Board
Alberta

Customer Service

9912 – 107 Street
PO Box 2415
Edmonton AB T5J 2S5

Email: ebusiness.support@wcb.ab.ca
Tel: (780) 498-3999 (1-866-922-9221)
Fax: (780) 498-7999
WCB website: www.wcb.ab.ca

October 2, 2015

Reference Number: 3339382

MUNICIPAL DISTRICT OF GREENVIEW #16
PO BOX 1079
VALLEYVIEW AB T0H 3N0

Dear Sir or Madam:

Re: PARIOPLAN INC
610 WOTHERSPOON CLOSE NW
EDMONTON AB T6M 2K2

The above named subcontractor has an account with WCB-Alberta in the following industry(ies):

account	trade names(s)/industry	effective date	coverage
6576555	REAL ESTATE DEALERS/LAND DEVELOP	Jan 01, 2012	worker coverage personal coverage for: ARMIN PREIKSAITIS

Please accept this letter as a clearance for this subcontractor under Section 126 of the Workers' Compensation Act, for work completed between the effective date of the account and the date of this letter, for the industry(ies) listed. If the subcontractor's account is closed, the clearance is effective for work done up to the close date. If work has not yet begun, obtain a clearance prior to releasing final payment. Any holdback on this account may be released for contracts completed, or for work completed up to the date of this letter.

Section 126 states that you have a responsibility to ensure your subcontractors' accounts are in good standing. To ensure this clearance has been issued for the correct subcontractor, please verify the subcontractor's address and industry information listed above.

Personal coverage is in effect for any business owner(s) listed. Please note: some business owners may have opted out of personal coverage and therefore will not appear. Please refer to our website for more information on personal coverage.

If the subcontractor is performing work for you outside Alberta, contact the WCB in that jurisdiction to determine your clearance and other WCB requirements.

Any alteration of this document is strictly prohibited and subject to a penalty up to $5,000 on the first offense. Each subsequent offense will result in an increase in the penalty amount by $5,000, up to a maximum $25,000 per offense.

Yours truly,

eBusiness Support Team (8390979)

#605 Empire Building, 10080 Jasper Avenue
Edmonton, AB T5J 1V9
780.423.6824 | fax 1.855.611.8701
armin@parioplan.com | www.parioplan.com

COMMUNITY & REGIONAL PLANNING / REAL ESTATE DEVELOPMENT / URBAN DESIGN
DOWNTOWN REVITALIZATION / PUBLIC CONSULTATION

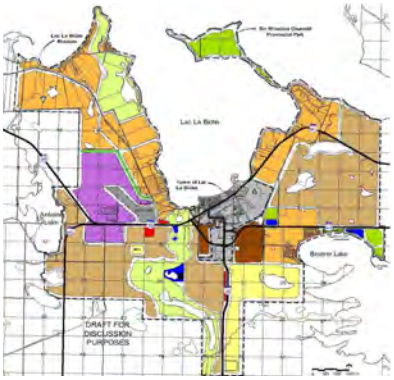
ParioPlan Inc. is an award winning community planning and design firm with expertise in urban and regional planning, sustainable development, urban design, and stakeholder consultation. Established in Edmonton in 1996 as Armin A. Preiksaitis & Associates Ltd., the firm now includes 12 planners, associates, technicians and support staff. Founder and President Armin Preiksaitis has over 42 years of professional planning experience and is a Fellow of the Canadian Institute of Planners.

The firm's planning work is supported by a range of in-house services that include mapping, document preparation, graphics and display production, and communication materials to support consultation projects. With a client base that includes developers, non-profit groups and urban and rural municipalities throughout Alberta, ParioPlan brings a balanced perspective and comprehensive understanding of the needs of public and private land use and development. Our team has considerable experience working with municipal departments, elected officials, public agencies and stakeholders to develop plans and zoning regulations that address local conditions and municipal objectives, resulting in Council approval.

With a reputation for creativity and innovation, ParioPlan takes pride in delivering customized solutions to meet the unique requirements of each project. Our planning work reflects our commitment to smart growth and sustainable development and has been recognized with numerous provincial, national and international awards (www.parioplan.com).

ParioPlan's key practice areas include:

- Statutory Plans and Land Use Bylaws (urban & rural)
- Custom Zoning and Zoning Amendments
- Municipal Growth Studies
- Land Development Studies and Due Diligence Reports
- Subdivision Plans and Site Planning
- Design Guidelines
- Downtown and Urban Revitalization
- Community and Stakeholder Consultation
- Facilitating Municipal Approval Process
- Expert Planning Testimony



AWARDS RECEIVED BY PARIOPLAN INCORPORATED

Award of Merit, 2014

McKernan-Belgravia Station ARP *Comprehensive and Policy Plan*
Presented by *Alberta Professional Planners Institute*

Award of Merit, 2013

Lacombe Downtown Area Redevelopment & Urban Design Plan
Presented by *Alberta Professional Planners Institute*

Merit Award - Report / Design, 2012

Fournier Place Subdivision Design
Presented by Canadian Association of Certified Planning Technologists

Award of Excellence, 2011

Town of Hinton Integrated Housing Strategy
Presented by Alberta Professional Planners Institute

Award of Merit, 2010

Fort McMurray Fringe Area Development Assessment
Presented by *Alberta Professional Planners Institute*

Recreation Industry Award of Excellence for Community Design, 2010

Strathearn Heights Redevelopment
Presented by Recreation for Life Foundation

Award of Merit, 2009

The Quarters Urban Design Plan
Presented by C*ity of Edmonton Urban Design Awards*

Award of Merit, 2009

Sylvan Lake Waterfront Area Redevelopment Plan
Presented by Alberta Association of Canadian Institute of Planners

National Merit—Landscape Architecture, 2008

Capital Region River Valley Park
Presented by *Canadian Society of Landscape Architects*

2008 Downtown Special Achievement Awards—Planning

Downtown North Edge Plan
Presented by *International Downtown Association*

Gold Nugget Award of Merit—International Site Plan—Best in the West—Excellence and Value for Vision, 2008

Strathearn Heights Redevelopment
Presented by *Pacific Coast Builders Conference*

Award of Merit, 2008

Strathearn Heights Redevelopment Plan
Presented by Alberta Association Canadian Institute of Planners

National Award for Planning Excellence—Recreation Planning for A Plan of Action, 2008

Capital Region River Valley Park
Presented by Canadian Institute of Planners

National Brownie Award for Brownfield Development, 2008

Station Pointe
Presented by Canadian Urban Institute

Technical Employer of the Year, 2008

Presented by *Canadian Association of Certified Planning Technicians*

Merit Award—Design Award, 2007

Lacombe County Residential Conservation District
Presented by *Canadian Association of Certified Planning Technicians*

Award of Merit—Master Plan, 2007

Strathearn Heights Redevelopment
Presented by Edmonton Urban Design Award

Award of Merit—Century Park, 2005
Century Park

Presented by *Alberta Association Canadian Institute of Planners*

Award of Merit—Public Participation, Intermunicipal Planning, Policy Analysis, Graphic Communication 2000

Sturgeon Valley Area Structure Plan
Presented by *Alberta Association Canadian Institute of Planners*

Sustainable Community Award, 2000

City of Saskatoon Downtown Housing Study
Presented by Federation of Canadian Municipalities

Award of Distinction—Creativity & Excellence in Community Planning, 1998

City of Spruce Grove Downtown Development Action Strategy
Presented by *Alberta Association Canadian Institute of Planners*

PARTIAL CLIENT LIST OF PARIOPLAN INC.

Private Sector Clients

Abbey Lane Homes
ACI Architecture Inc.
Legacy Inc.
Alldritt Development Ltd.
AMACON
Boardwalk Rental Communities
Canderel
Carma Developments Inc.
Carrington Group of Companies
Cenovus Energy
Century Park
CN Rail
DIALOG
Edgar Developments
Edgeworth Properties Inc.
Finning Canada
First Capital Realty Inc.
First National Properties
Fraser Milner Casgrain LLP
Go Auto
Hudson Advisors Canada Inc.
Humford Management Inc.
KVS Holdings Ltd.
MPI Group Inc.
Maclab Enterprises Ltd.
Melcor Developments Ltd.
Mountain Park Lodges
Northern Alberta Lake Properties Ltd.
Outdoor Broadcast Network Inc.
PCL Construction Management Inc.
.
Prism Development
ProCura Real Estate Services Limited
Qualico
Regency Developments
Rockwell Property Management
Rohit Group of Companies
Shane Homes Inc.
Springwood Developments Inc.
Strathearn Devco Ltd.
Sun Life of Canada
West Bank Projects Corporation
Western Asset Management
Wheaton Investments Ltd.
Yorkton Management

Public Sector Clients

Alberta Economic Development
Alberta Infrastructure
Alberta Transportation
Alberta Municipal Affairs
Capital Region Board
CMHC
City of Airdrie
City of Cold Lake
City of Edmonton
City of Fort Saskatchewan
City of Grande Prairie
City of Lacombe
City of Lethbridge
City of Leduc
City of Lloydminster
City of Prince Albert
City of Red Deer
City of Saskatoon
City of Spruce Grove
City of St. Albert
County of Grande Prairie
Lacombe County
Lac Ste. Anne County
Lac La Biche County
Leduc County
Mountain View County
Red Deer County
Sturgeon County
Parkland County
Strathcona County
Brazeau County
Regional Municipality of Wood Buffalo
Rocky View County
Wheatland County
Town of Banff
Town of Bruderheim
Town of Devon
Town of Drayton Valley
Town of High Level
Town of Hinton
Town of Inuvik
Town of Jasper
Town of Legal
Town of Morinville
Town of Onoway
Town of Ponoka
Town of Ryley
Town of Slave Lake
Town of Stony Plan
Town of Sylvan Lake
Town of Taber
Town of Vegreville

Institutional / Non-Profit Clients

Abram's Land Development Corporation
Alberta Association Canadian Institute of Planners
Alberta Urban Municipalities Association
Capital City River Valley Alliance
Capital Region Housing Corporation
Edmonton Economic Development Corp.
Edmonton Regional Airports Authority
Edmonton Housing Industry Forum
Elk Island Public School Division
Evangel Pentecostal Assembly
Francis Winspear Centre for Music
Sheperd's Care Foundation
Northern Railway Exchange Mainstreet Programme, Medicine Hat
Parkland Community Futures Corporation
Pioneer Housing Foundation, Strathcona County
Prince Albert & District Community Futures
Sawridge Development Corporation
Town of Ponoka Main Street Programme
Town of Didsbury Main Street Programme
Wood Buffalo Housing and Development Corporation

First Nation Clients

Alexander First Nation
Chipewyan Prairie First Nation
Duncan's First Nation
Enoch Cree Nation
Fort McKay First Nation
Frog Lake First Nation

ARMIN A. PREIKSAITIS, BES, RPP, FCIP
Founder & President

Armin Preiksaitis has 42 years of experience as a professional planner and consultant in the private, public and non-profit sectors. This includes employment with the City of Edmonton Planning & Development Department, City of Edmonton Engineering & Transportation Department, Alberta Municipal Affairs and the Edmonton Downtown Development Corporation. He has been a full member of the Canadian Institute of Planners since 1975 and in 2012 was made a Fellow – the highest national honor for professional planners in Canada.

Armin has served as a director of the Community Planning Association of Alberta and Washington-based International Downtown Association. Since establishing his consulting firm in 1996, he has successfully managed a broad range of land use planning and development projects for municipalities and developers throughout Alberta and Saskatchewan. He has directed and prepared over 350 plans and studies for public and private clients including statutory plans, land use bylaws, downtown plans, growth studies, urban design guidelines, best practices research, concept plans and feasibility studies.

Armin's unique background has also given him considerable knowledge in the areas of downtown revitalization, sustainable development, community consultation/facilitation, public-private partnerships and development financing strategies. He is a past director of the Washington-based International Downtown Association. Armin is noted for his expertise in urban revitalization and large scale urban infill projects, including Transit Oriented Developments such as Strathearn Heights and Station Pointe in Edmonton.

Armin often speaks to professional groups and is frequently quoted in the media. His planning work has received numerous awards and citations. He also instructed *Introduction to Municipal Economic Development* at the University of Alberta's Faculty of Extension for 13 years.

EDUCATION

1973
Honors Bachelor of Environmental Studies in Urban and Regional Planning, University of Waterloo

1982
Senior Municipal Management Program, Banff School of Advanced Management

2010
Summer Institute in Sustainable Urban Design, University of British Columbia

PROFESSIONAL BACKGROUND

1996 - Present	ParioPlan Incorporated – President
1998 - 2010	Instructor *Introduction to Municipal Economic Development*, Faculty of Extension, University of Alberta
1986-1995	Edmonton Downtown Development Corporation - President
1976-1986	City of Edmonton Planning and Development Department – Manager, Director and Planner positions
1975-1976	City of Edmonton Engineering and Transportation Department - Planner
1973-1975	Alberta Municipal Affairs – Regional Planner

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E-mail: armin@parioplan.com
www.parioplan.com

ARMIN A. PREIKSAITIS, BES, RPP, FCIP
Founder & President

SELECTED PROJECT EXPERIENCE

2015	Town of Beaumont Downtown Urban Design Concept Plan
2014	Town of Hinton Municipal Development Plan & Land Use Bylaw Update
2014	Housing Market Analysis & Rezoning in McCauley Neighbourhood, Private Developer
2013	Edmonton Brewery District Rezoning, First Capital Realty & Sun Life Financial
2013	Town of Onoway / Lac Ste. Anne County Intermumicipal Developoment Plan
2013	City of Leduc Land Use Bylaw Review and Update
2013	City of Fort Saskatchewan Land Use Bylaw Review and Update
2013	City of Leduc Annexation Application
2013	McKernan/Belgravia and Mill Woods Station Area Plans, City of Edmonton
2013	Francis Winspear Centre for Music—Expansion Planning
2013	Clairmont Heights Area Structure Plan, Grande Prairie County
2013	City of Lacombe Downtown Area and Urban Design Plan
2012	Fort McMurray Airport Expansion (Plan and Zoning Amendments) Fort McMurray Airport Authority
2011	Low Impact Development Design Criteria, City of Edmonton
2011	Clifton Place Rezoning, Western Asset Management Group
2011	West Rossdale Area Redevelopment Plan, City of Edmonton
2011	Strathcona County Seniors Housing Needs Assessment, Pioneer Housing Foundation
2011	Consultant to Economic Development Team, Brazeau County and Town of Drayton Valley
2010	Affordable Housing Needs Assessment & Strategy, Red Deer County
2010	City of Leduc & Leduc County Joint Sustainable Growth Study
2010	Annexation Application Town of Ponoka and Ponoka County
2010	Mountain View County Land Use Bylaw and Commercial and Industrial Design Guidelines
2010	Jasper Avenue - A New Vision, City of Edmonton
2010	Economic Development Strategy, Town of High Level
2010	Integrated Housing Strategy, Town of Hinton
2010	Affordable Housing Strategy, City of Fort Saskatchewan
2009	Parkland County Land Use Bylaw Review and Update
2009	Grande Prairie Housing Market Assessment, Private Developer
2009	City Centre Lands Impact Assessment, City of Edmonton

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ARMIN A. PREIKSAITIS, BES, RPP, FCIP
Founder & President

SELECTED PROJECT EXPERIENCE

2008	Grandin Mall Redevelopment, Direct Control Rezoning, AMACON
2008	Strathearn Heights Redevelopment Rezoning, Strathearn Devco
2008	Affordable Housing Study, Strathcona County
2008	Affordable Housing Study, City of Spruce Grove
2007	Saline Creek Area Structure Plan, RMWB
2007	Fort McMurray Fringe Area Growth Assessment, RMWB
2007	Station Pointe Urban Design Plan, City of Edmonton
2007	Lacombe County Land Use Bylaw & Municipal Development Plan
2007	City of Cold Lake Municipal Development Plan & Land Use Bylaw
2007	Highway 63/881 North Area Structure Plan, RMWB
2007	Sturgeon Valley Area Structure Plan Review, Sturgeon County
2007	Industrial Heartland Area Structure Plan and Land Use Bylaw Amendments, Sturgeon County
2006	Town of Sylvan Lake Waterfront Area Redevelopment Plan
2006	West Lethbridge Phase II Area Structure Plan, City of Lethbridge
2006	Capital Region River Valley Park Plan, River Valley Alliance
2005	Century Park Direct Control Rezoning, Century Park Developments Ltd., Edmonton
2005	Yellowhead East Corridor Design Guidelines, City of Edmonton
2005	Town of Stony Plain Municipal Development Plan
2005	City of St. Albert Affordable Housing Strategy
2005	Downtown North Edge Study, City of Edmonton
2004	Intermunicipal Development Plan, Lakeland County and Town of Lac la Biche
2003	Review of Land Use Policies & Regulations Affecting Heavy Industrial & Residential Separation & Transition Uses, Strathcona County
2003	Downtown Strategic Plan, City of Prince Albert
2003	North of Yellowhead Area Concept Plan, Strathcona County
2003	Edmonton Research Park Repositioning Study, Economic Development
2003	Reeve's Task Force on Land Use Planning and Sustainable Agriculture, Red Deer County
2002	Hamlets of Conklin and Anzac Area Structure Plans, RMWB

ARMIN A. PREIKSAITIS, BES, RPP, FCIP
Founder & President

SELECTED PROJECT EXPERIENCE

2002	Sustainable Planning & Development for Small Towns Workshop, Canada Mortgage and Housing Corporation
2002	Discussion Paper for Achieving Integrated Communities, Wood Buffalo Housing and Development Corporation
2002	Affordable Housing Feasibility Study, Edmonton Housing Industry Forum
2001	Mountain View County Economic Development Strategy 2001-11
2001	Fifth Meridian Area Structure Plan, Parkland County and Town of Stony Plain
2001	Heritage Estates Area Structure Plan, City of Spruce Grove
2001	Intermunicipal Development Plan, Sturgeon County and City of St. Albert
2001	Highway Corridors Study, M.D. of Brazeau No. 77
2000	Lower Townsite Area Redevelopment Plan, RMWB
2000	City Plan Municipal Development Plan, City of St. Albert
2000	City of Fort Saskatchewan Municipal Development Plan
2000	Town of Bruderheim Land Use Bylaw Update

PROFESSIONAL ASSOCIATIONS

Canadian Institute of Planners — Full Member and Fellow
Alberta Professional Planners Institute — Full Member
Community Planning Association of Alberta — Member
Planning Institute of British Columbia—Member
Association of Professional Community Planners of Saskatchewan—Member
International Downtown Association — Member
Edmonton Chamber of Commerce — Member
Downtown Rotary of Edmonton — Member
Urban Land Institute — Member

PUBLICATIONS

2012 "Re-envisioning Sylvan Lake", APPI Planning Journal, Issue 9
1997 Downtown Plans That Work, AACIP

ARMIN A. PREIKSAITIS, BES, RPP, FCIP
Founder & President

PROJECT AWARDS

2014 Award of Merit Alberta Professional Planners Institute—McKernan-*Belgravia Station Area Redevelopment Plan*

2013 Award of Merit Alberta Professional Planners Institute—*Lacombe Downtown Area Redevelopment & Urban Design Plan*

2012 Merit Award Canadian Association of Certified Planning Technicians Design—*Report/Design Category, Fournier Place Town of Slave Lake*

2011 Award of Excellence Alberta Professional Planners Institute—*Town of Hinton Integrated Housing Strategy*

2010 Award of Merit, Alberta Professional Planners Institute—*Fort McMurray Fringe Area Development Assessment*

2010 National Honour Award Planning & Analysis, Canadian Society of Landscape Architects—*West Rossdale Urban Design Plan*

2010 Recreation Industry Association Award of Excellence for Community Design, Recreation for Life—*Strathearn Heights Redevelopment*

2009 Award of Excellence, City of Edmonton Urban Design Awards—*West Rossdale Urban Design Plan*

2009 Award of Merit, City of Edmonton Urban Design Awards—*The Quarters Urban Design Plan*

2009 Award of Merit Alberta Association of Canadian Institute of Planners—*Sylvan Lake Waterfront Area Redevelopment Plan*

2008 National Merit Award- Landscape Architecture, Canadian Society of Landscape Architects- *Capital Region River Valley Park*

2008 Gold Nugget Award of Merit International Site Plan, Pacific Coast Builders Conference—*Strathearn Heights Redevelopment*

2008 Award of Merit, Alberta Association Canadian Institute of Planners *Strathearn Heights Redevelopment Plan*

2008 National Award for Planning Excellence - Recreation Planning, Canadian Institute of Planners—*Capital Region River Valley Park*

2009 Downtown Special Achievement Award - Planning, International Downtown Association—*Edmonton Downtown North Edge Plan*

2008 National Brownie Award for Brownfield Redevelopment, Canadian Urban Institute- *Station Pointe*

2007 Award of Merit in Design, Canadian Association of Certified Planning Technicians —*Lacombe County Residential Conservation (Cluster) District*

2007 Award of Merit for Master Plan, Edmonton Urban Design Award—*Strathearn Heights Redevelopment*

2000 Award of Merit - Public Participation, Intermunicipal Planning, Policy Analysis, Graphic Communication, Alberta Association Canadian Institute of Planners— *Sturgeon Valley Area Structure Plan*

2000 Sustainable Community Award, Federation of Canadian Municipalities—*City of Saskatoon Downtown Housing Study*

KAROLINA DRABIK, BA.A., MPA, RPP, MCIP
Senior Planner

Karolina joined ParioPlan Inc. in 2013. She has a Masters in Public Administration from the University of Victoria and a Bachelor of Applied Arts in Urban and Regional Planning degree from Ryerson University, Toronto.

Prior to joining ParioPlan, Karolina worked as a planning consultant on many urban and rural planning projects throughout the province where she applied her skills in project management, quantitative and qualitative research and analysis, community engagement both locally and internationally, policy review and development, and creation of municipal long range planning documents and economic development strategies.

In her role as a planning consultant, Karolina acquired solid experience collaborating with development proponents, professional consultants, community members and grassroots organizations on land use planning. In her work with Alberta Main Street Programme she initiated and project managed nine commercial heritage building rehabilitation and restoration projects as part of a municipal revitalization strategy. For various municipalities she has developed area structure/redevelopment plans, land use bylaws/amendments and long range plans that reflect the local context and community values. Karolina brings knowledge of the challenges and opportunities that many rural areas face, including issues related to rural economic development, the creation of innovative partnerships to leverage resources and inter-governmental collaboration.

In an urban context, Karolina has worked predominantly on long range policies and plans for various municipalities including parks and open spaces master plans, project managed the historic restoration of building facades and developed strategies for municipal planning processes. Karolina has considerable experience both working within the municipal context and as a consultant, and understands how to engage with community stakeholders to reach consensus on development projects.

EDUCATION

1999
Bachelor of Applied Arts, Urban & Regional Planning, Ryerson University

2004
Certificate in Economic Development, EDAC/University of Waterloo

2008
Masters in Public Administration, University of Victoria

2014
Planning & Techniques for Effective Public Participation, International Association for Public Participation

PROFESSIONAL BACKGROUND

2013	ParioPlan Inc. - Senior Planner
2006-2012	Planning Consultant-various public and private clients/projects
2011-2012	City of St. Albert, Senior Planner
2005-2006	City of Cold Lake, Planner
2001-2005	Alberta Main Street Programme, Wainwright Project Coordinator

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Karolina Drabik, B.A.A., MPA, RPP, MCIP
Senior Planner

Selected Project Experience

Ongoing	Statutory plan and amendment reviewer for Capital Region Board's Regional Evaluation Framework (REF)
Ongoing	Land Use Bylaw, Town of Hinton
Ongoing	Lac Ste. Anne/Town of Onoway Business Industrial ASP and Cost–Sharing Agreement
Ongoing	Drafting Direct Control Zone for major Downtown Project, City of Edmonton
2014	Lac Ste. Anne/Town of Onoway Intermunicipal Development Plan
2014	Planning Tools for Protecting the Sturgeon River Watershed Report, City of St. Albert
2013	Due Diligence Planning Report for infill redevelopment Edmonton, Private Client
2013	CN Lynton Siding Expansion Strategic Plan, RMWB
2013	Land Use Bylaw Guideline Summary, City of Leduc
2012	Fortier Estates Area Structure Plan, MD of Bonnyville
2012	Municipal Reserve strategy for new growth areas for City of St. Albert
2011	Brazeau County Land Use Bylaw Review and Update
2010	Brazeau County Parks and Open Space Master Plan
2011	Superior Industrial Park Area Structure Plan, Lac La Biche County
2010	East Gate Area Structure Plan, Town of Bonnyville
2010	Signature Estates Area Structure Plan, MD of Bonnyville
2008	Master Plan for Sylvan Lake Baha'i Centre
2006	Forest Heights Area Structure Plan, City of Cold Lake
2005	City of Cold Lake Parks and Open Space Master Plan
2004	Wainwright Main Street Streetscape Community Design Charrette and Plan
2003	Project Managed nine commercial building rehabilitation and restoration projects on Main Street in Wainwright, AB

Selected Awards & Distinctions

2008	Nominated for best graduate work– *Scenario planning for municipalities* for graduating year at the University of Victoria
2003	Recipient of the 2003 Provincial Award for Excellence, Bronze for excellence in the public service as part of the Alberta Main Street Programme team

Professional Associations

Alberta Professional Planners Institute – Registered Professional Planner (RPP)

ANNE WANG, BES, CPT
Planner / Urban Designer

Anne has five years of professional experience as a Planner, Planning Technician and Designer – much of this at ParioPlan. Anne's education and background combines a strong understanding of planning and urban design principles with in-depth technical knowledge. Her project experience includes site plans, conceptual landscape design, subdivision, access studies, land use bylaw amendment, area structure plans, conceptual streetscape designs and land use bylaws. At ParioPlan, Anne assists with research, analysis, detailed site plans and subdivision design. Her strong technical skills in ESRI ArcGIS, AutoCAD, GoogleSketchUp, Corel Draw, Photoshop, Indesign, Illustrator and MS Office make her an asset to the ParioPlan team.

EDUCATION

2014
Beloose Graphic Design Workshop

2013
Land Use and Subdivision Design,
University of Alberta Faculty of Extension, Edmonton, AB

2011
Certificate in AutoCAD Drafting
Centennial College, Toronto, ON

2010
Bachelor of Environmental Studies
University of Waterloo, Waterloo, ON

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www.parioplan.com

PROFESSIONAL BACKGROUND

2015-present	Planner / Urban Designer, ParioPlan, Edmonton
2014-2015	Planning Technician / Designer, WSP, Edmonton
2012-2014	Planning Technologist/Assistant, ParioPlan, Edmonton
2010-2012	Geo-Spatial Market Analysis Associate, Bell Mobility Mississauga, Ontario

SELECTED PROJECT EXPERIENCE

2015	Wetaskiwin Auto Mile Street Improvement Study, City of Wetaskiwin
2015	Clairmont Downtown Built Form Design, County of Grande Prairie
2015	Clairmont Downtown Streetscape Design, County of Grande Prairie
2015	Acheson Business Industrial Park Outline Plan, Parkland County
2015	Parkland Gateway Area Structure Plan, Town of Stony Plain
2015	Edgeland Area Structure Plan, Town of Stony Plain
2014	Downtown Conceptual Design Recommendation, Village of Canal Flats
2014	High Level Main Streetscape Design, Town of High Level
2014	11th Avenue Street Improvement, Hamlet of Nisku
2014	South Major Area Structure Plan, Lac la Biche County

ANNE WANG, BES, CPT
Planner / Urban Designer

2014	Anzac Development Concept and Subdivision Design, Hamlet of Anzac
2014	Industrial Rezoning and Subdivision, Lac la Biche County
2014	CN Strategic Plan, Fort McMurray
2013	Hangingstone Land Use Studies, Fort McMurray
2013	Strathearn Heights Redevelopment, City of Edmonton
2012	Clairmont Heights Area Structure Plan, County of Grande Prairie
2012	Molson Brewery Redevelopment, City of Edmonton
2012	Leduc Land Use Bylaw Review and Update, City of Leduc
2012	Lac Ste. Anne and Town of Onoway IDP

PROFESSIONAL ASSOCIATIONS

Alberta Professional Planners Institute – Provisional Member

Canadian Association of Certified Planning Technicians (CACPT) - Member Full Member

Natasha De Sandi, MPLAN, BES
Planner / Urban Designer

Natasha is a recent graduate from the Master of Urban Planning Program at the University of Calgary. Through her studies in urban and regional planning, she has gained experience in a variety of planning related fields. These field include public engagement processes, transportation planning, land use planning, sustainability planning, sustainable design, renewable technology planning, demographical statistical analyses, project management, physical modelling, graphic design of urban and rural landscapes and policy writing as it relates to urban and regional planning.

Natasha who has been recently brought onto the ParioPlan team as a planner/urban designer, has gained professional experience in public consultation, policy analysis and development, land use planning, urban design, area redevelopment plans, area structure plans and proposal development. Natasha is also proficient in the Adobe Illustrator, Photoshop, InDesign, Google SketchUP, AutoCAD, ArcGIS and the Microsoft Suite Collection.

EDUCATION

2015
Masters degree in Planning,
University of Calgary, Calgary, AB

2013
Bachelor of Environmental Studies,
Specialized Honours in Urban and Regional Environments,
York University, Toronto, ON

Phone: 780 423 6824
Fax: 1 855-611-8701
E-mail: natasha@parioplan.com
www.parioplan.com

PROFESSIONAL BACKGROUND

2015-present Planner / Urban Designer, ParioPlan, Edmonton

SELECTED PROJECT EXPERIENCE

2015	Town of Olds Area Structure Plan
2015	Town of Settler/ County of Settler Regional Master Servicing Study
2015	Calgary Drop In Centre Engagement Plan, Calgary, AB
2015	Active Neighbourhoods Canada Community Engagement and Design Study, Calgary, AB

MERILYN CARLSTAD
Planning Technician

A recent addition to the ParioPlan team, Merilyn has many years of drafting experience as a Planning and Drafting Technician in the public and private sectors. She supports the firm's planning projects with the production of detailed and accurate maps. Merilyn brings extensive mapping experience on a variety of planning and development projects, including tentative plans of subdivision, area structure plans, general municipal plans, transportation concept plans, survey plans and land development plan profiles. She also has considerable experience preparing figures for technical reports, as well as exhibits and presentation materials for public meetings.

During her time of self employment, Merilyn provided contract drafting services to companies in the fields of transportation engineering, land development, environmental engineering and urban planning. This work included transportation impact assessments, signal construction plans, forensic engineering report graphics and issued for construction drawings.

Merilyn's keen eye for detail and technical skill ensures that maps and graphics are produced efficiently, accurately and are visually appealing. She has advanced software skills in Autocad, Autoturn and Microstation.

EDUCATION

1985
Diploma in Urban and Regional Planning Technology
NAIT, Edmonton, AB

PROFESSIONAL BACKGROUND

2014-Present	Planning Technician, ParioPlan, Edmonton
1995-2014	Drafting Technician, self employed
1989-1995	Drafting Technician, Cochrane Engineering/ID Engineering
1988-1989	Planning Technician, Mackenzie Regional Planning Commission
1986-1988	Drafting Technician, Piteau Engineering, Calgary
1985-1986	Planning Assistant, Government of Alberta, Land Use Branch, Environmental Assessment Division

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APPENDIX B

ASSOCIATED ENGINEERING (ALBERTA) LTD.

Corporate Profile
Resumes

www.ae.ca

INFRASTRUCTURE SERVICES

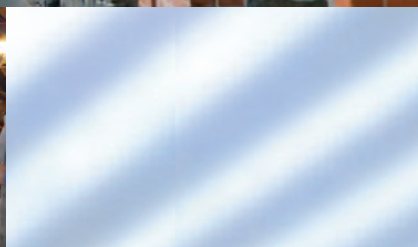
GLOBAL PERSPECTIVE.
LOCAL FOCUS.

Associated Engineering

Building Sustainable Communities

Unique problems require unique solutions. At Associated Engineering, we believe that, whether a problem is small or large, simple or complex, the key to successful project delivery is listening to our clients to thoroughly understand their requirements and goals, as well as their long term vision. We work with our clients and stakeholders to develop the most appropriate solutions for their circumstances. We have demonstrated our ability to deliver solutions that consider full, life-cycle costs, optimize operational efficiency, minimize maintenance requirements, and integrate sustainable features that are right for the client, the project, and stakeholders.

With more than 60 years of history, Associated Engineering has a proven track record of delivering cost-effective, sustainable solutions to clients across Canada and around the world. We offer services in the infrastructure, water, transportation, environmental, energy, building, and asset management sectors. With over 800 staff, including planners, engineers, environmental scientists, and technologists, we provide clients with the benefits of a full service team. As a Canadian, employee-owned consulting firm, Associated Engineering is committed to client service and successful project delivery on every assignment we undertake.



Infrastructure development has been the cornerstone of Associated Engineering's business. We provide services in planning, assessment, analysis, feasibility studies, modelling, preliminary and detailed design, procurement, construction management, and asset management for small and large municipalities and private sector developers across Canada. Our expertise includes the design of roads, bridges, highways, water supply, water treatment systems, wastewater collection and treatment, stormwater management systems, and solid waste management systems. All form vital components of our communities, forming the foundation that makes our communities safe, promoting public health and environmental well-being, allowing our communities to grow and prosper, and enhancing the quality of our daily lives.

Associated Engineering offers a full-service, multi-disciplinary team consisting of infrastructure engineering specialists, including civil, structural, environmental, mechanical, electrical, and instrumentation engineers as well as environmental scientists and hydrogeologists. Our team provides our clients with the flexibility and efficiency of total in-house services including overall project management and program management. Our infrastructure specialists have the experience to provide expert advice on modes of funding, approval and permit requirements, and project delivery.

Our areas of expertise include the following:

Civil Engineering

- Urban planning & development
- Land development
- Site servicing
- Stormwater management
- Water resources
- Hydrology & hydraulics
- Trenchless technologies
- Rehabilitation
- Water supply, distribution & treatment
- Wastewater collection & treatment

Transportation Engineering

- Transportation planning
- Traffic engineering
- Route analysis & feasibility studies
- Parking & transit facilities
- Road & highway design
- Transportation & pedestrian bridges
- Airfields & landing strips
- Ports, harbours & marinas
- Multi-modal facilities
- Transit

Environmental Science and Engineering

- Hydrogeology
- Geomorphology
- Terrestrial & aquatic biology
- Aquatic toxicology
- Reclamation & soil science
- Environmental impact assessments
- Landfills
- Composting
- Solid waste management
- Terrain & natural hazards assessment
- Environmental effects monitoring

Asset Management

- Asset inventories
- Condition assessments
- Risk assessments
- Asset management plans
- Capital & long range planning
- Mapping & GIS
- Program management
- Infrastructure planning

Structural Engineering

- Retaining walls
- Water retaining structures
- Marine structures
- Buildings & facilities
- Bridges & interchanges

Our core practice areas

Infrastructure
- Community planning
- Site planning & development
- Land development
- Infrastructure rehabilitation
- Asset management
- Program management
- Building engineering

Water
- Hydrology & hydrogeology
- Water supply & treatment
- Wastewater collection & treatment
- Wastewater recycling & re-use
- Water resources
- Water storage & distribution
- Stormwater management
- Instrumentation & controls

Transportation
- Transportation planning
- Roadways & highways
- Traffic & pedestrian bridges
- Heavy haul/resource bridges & roadways
- Airports
- Container & intermodal facilities
- Transit systems

Environmental
- Energy
- Solid waste management
- Landfill design
- Composting
- Odour control
- Environmental assessment & planning
- Aquatic ecology & fisheries
- Terrestrial ecology & wildlife
- Contaminated site management
- Environmental management
- Soils & environmental geoscience
- Permitting & regulatory advice

Offices Across Canada
www.ae.ca

Associated Engineering

BEST MANAGED COMPANIES

Mixed Sources

Alan Lui, P.Eng.

Senior Project Manager, Northern Alberta Infrastructure

RESUME

Education

- B. Eng., Civil Engineering, Lakehead University, Thunder Bay, ON, 1998
- Diploma, Civil Engineering Technology, N.A.I.T., Edmonton, AB, 1995
- Certificate, Civil Engineering Studies, H.W.T.I., Hong Kong, 1989
- Certificate, Engineering Surveying, H.K. Polytechnic University, Hong Kong, 1984

Employment History

- 2004 - Date: Associated Engineering
- 2002 - 2004: City of Fort Saskatchewan
- 1998 - 2002: DCL Siemens Engineering
- 1990 - 1994: Construction survey for various industrial projects in Alberta
- 1987 - 1990: Mott, Hay & Anderson (Hong Kong) Consulting Engineer Ltd.
- 1980 - 1987: Frankie Contractors (Hong Kong) Ltd.
- 1976 - 1980: Construction survey for various civil infrastructure projects in Hong Kong.

Professional Societies

- Association of Professional Engineers and Geoscientists of Alberta
- Canadian Society for Civil Engineering

Summary of Experience

Alan has over 38 years of work experience in the fields of construction and engineering. He began his career in 1976, as a surveying assistant in the Hong Kong construction industry, and eventually became a construction supervisor of several construction projects before moving to Canada in 1990.

Alan continued to work in the construction industry in Alberta before returning to university to obtain a degree in engineering, graduated in 1998.

Over the last 17 years, Alan has worked on a number of engineering projects, including regional water feasibility studies, designs, and construction, waterworks master plans, water networks analysis with computer modelling, water transmission, water distribution, and wastewater lagoon and collection and system.

Alan Lui, P.Eng.

Water Supply

- **Water Supply for Hamlet of Little Smoky, M.D. of Greenview, AB**: Project Manager for design and construction of distribution system for Hamlet of Little Smoky.
- **Long Lake Water and Wastewater Study, Thorhild County, AB:** Project Manager for conducting feasibility study of water supply and wastewater collection for Hamlet of Long Lake.
- **Rural Water Supply Study, Mackenzie County, AB:** Project Manager for feasibility study of regional water supply for Town of Fort Vermilion and La Crete.
- **102 Avenue Rehabilitation, Town of Fairview, AB:** Project Manager for detailed design of the rehabilitation of 102 Avenue within the Town.
- **Water Supply Study, Whitefish Lake First Nation, AB:** Civil lead for conducting feasibility study for water supply.
- **Slave Lake Regional Water System, Municipal District of Lesser Slave River No. 124, Slave Lake, AB:** Civil lead for conducting pre-design and detailed design for regional water system Phases 1 and 2, which included four contracts. Contracts 1 and 2 included two water pipeline contracts, 10 km in total. Contract 3 was a multi-discipline contract, which included an underground reservoir, a booster station, and two meter stations. Contract 4 was a multi-discipline contract, which included a lake intake, pumphouse, and 25 km of raw water transmission pipeline.
- **Northern Sunrise County Regional Water System, NEW water Ltd, Peace River, AB:** Consulting Engineer for the regional water system.
- **Highway 28/63 Regional Water System, Highway 28/63 Regional Water Services Commission, County of Thorhild, AB:** Commission Engineer for the regional water system.
- **Rural Water Master Plan, Saddle Hills County, AB:** Civil lead for conducting feasibility study for the County's water master plan.
- **Medium Industrial Water Supply Pipeline, Fort Saskatchewan, AB:** Civil Lead for conducting detailed design for the water supply line.
- **Highway 28/63 Regional Water System - Phase 3, County of Thorhild, AB:** Project Manager for pre-design of Phase 3 project which included two pipeline contracts, 56 km in total, and one mechanical, electrical and instrumentation contract.
- **Highway 28/63 Regional Water System - Phase 2, County of Thorhild, AB:** Project Manager for design and construction of Phase 2 project which included two pipeline contracts, 47 km in total, and one mechanical, electrical and instrumentation contract.
- **Northern Sunrise Regional Water System - Phase 2A, Northern Sunrise County, Peace River, AB:** Project Manager for design and construction of Phase 2A project which included two transmission pipelines, 25 km in total, plus miscellaneous mechanical, electrical and instrumentation related works.
- **Northern Sunrise Regional Water System - Phase 1, Northern Sunrise County, Peace River, AB:** Assistant Project Manager/Project Engineer for design and construction of Phase 1 project that included one transmission pipeline project, 20 km in length, and a truckfill station.

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- **Highway 28/63 Regional Water System - Phase 2, County of Thorhild, AB:** Assistant Project Manager/Project Engineer for Phase 2 preliminary design.
- **Joint Commission Regional Water Supply Review, Capital Region Northeast Water Services Commission and Thorhild Regional Water Services Commission, AB:** Review water supply scenarios and prepare technical reports for the regional water system.
- **Buffalo Lake Water Treatment Plant Upgrades, Buffalo Lake Métis Settlement, AB:** Detailed design for site works.
- **Highway 28/63 Regional Water System – Phase 1, County of Thorhild, AB:** Assistant Project Manager/Project Engineer for the construction of Phase 1 project which included three pipeline contracts, 40 km in total, and one mechanical, electrical and instrumentation contract.
- **St. Paul Regional Water System, County of St. Paul, AB:** Conducted feasibility study for the regional water system.
- **Heartland Regional Transmission Pipeline – Phase 1, Capital Region Northeast Water Services Commission, AB:** Prepared preliminary design report for Phase 1.
- **Highway 28/63 Regional Water System - Phase 1, County of Thorhild, AB:** Detailed design and tendering of Phase 1 project which included three pipeline contracts, 40 km in total, and one mechanical, electrical and instrumentation contract.
- **Northern Sunrise Regional Water System, Northern Sunrise County, Peace River, AB:** Conducted preliminary design.
- **South Peace Regional Water System, Municipal District of Spirit River, AB:** Conducted feasibility study for the regional water system.
- **New Regional Water Treatment Plant, Manning, AB:** Detailed design for site works.
- **Highway 28/63 Regional Water System - Phase 1, County of Thorhild, AB:** Conducted feasibility study for the regional water system.
- **Highway 21 Regional Water System, Strathcona County, AB:** Conducted feasibility study for the regional water system.
- **Redwater Pipeline Twinning, Capital Region Northeast Water Service Commission, AB:** Conducted feasibility study for the regional water system.
- **Regional Water System, Municipal District of Greenview, AB:** Conducted feasibility study for the regional water system.
- **Regional Water System, Clear Hills County, AB:** Conducted feasibility study for the regional water system.
- **Regional Water System, Municipal District of Northern Lights, AB:** Conducted feasibility study for the regional water system.
- **Little Smoky River Raw Water Supply, Smoky River Regional Water Management Commission, AB:** Detailed Design for Contract No.1 – Raw Water Reservoir; Contract No. 2 – River Intake; and Contract No. 3 – Transmission Pipeline.
- **Walsh Water Treatment Plant, Cypress County, AB:** Detailed design for the site works.
- **Little Smoky River Raw Water Supply, Smoky River Regional Water Management Commission, AB:** Conducted conceptual design.

Alan Lui, P.Eng.

- **Bulk Water Truck Fill Station, Fort Saskatchewan, AB:** Project coordination.
- **Water Main Replacement, 108 Street, Fort Saskatchewan, AB:** Project coordination.
- **New Water Main Installation, 86 Avenue, Fort Saskatchewan, AB:** Project coordination.
- **Westpark Reservoir, Pumphouse and Transmission Line, Fort Saskatchewan, AB:** Resident engineering.
- **Water Main Replacement, 98 Avenue, Fort Saskatchewan, AB:** Detailed design and resident engineering.
- **New Water Main Installation, 96 Avenue, Fort Saskatchewan, AB:** Preliminary and detailed design.

Water Modelling

- **Waterworks Master Plan Update, Fort Saskatchewan, AB:** Modelled the City's water distribution system for existing and future systems. Performed analysis and provided upgrading recommendations.
- **Waterworks Master Plan Update, Hinton, AB:** Modelled the City's water distribution system for existing and future systems. Performed analysis and provided upgrading recommendations.
- **Waterworks Master Plan Update, Camrose, AB:** Modelled the City's water distribution system for existing and future systems. Performed analysis and provided upgrading recommendations.
- **Waterworks Master Plan Update, Lloydminster, AB:** Modelled the City's water distribution system for existing and future systems. Performed analysis and provided upgrading recommendations.

Wastewater

- **Water and Wastewater Study, Thorhild County, AB:** Project Manager for conducting feasibility study of water supply and wastewater collection for Hamlet of Long Lake.
- **102 Avenue Rehabilitation, Town of Fairview, AB:** Project Manager for detailed design of the rehabilitation of 102 Avenue within the Town.
- **Atikameg Sanitary Forcemain, Whitefish Lake First Nation, AB:** Project Manager for construction of sanitary forcemain and Sewage Lagoon de-sludge and berm repairs.
- **Sanitary Sewer Modelling, Fort Saskatchewan, AB:** Project coordination.
- **Southfort Development, Deep Trunk Sewer, Fort Saskatchewan, AB:** Project coordination.
- **Sanitary Sewer Replacement on 98 Avenue, Fort Saskatchewan, AB:** Detailed design and resident engineering.
- **New Sanitary Sewer Installation on 96 Avenue, Fort Saskatchewan, AB:** Preliminary and detailed design.
- **Residential Development, Offsite Sewage Servicing, Sturgeon County, AB:** Preliminary design.

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- **Agrium Chemical Plant, Offsite Sewage Servicing, Sturgeon County, AB:** Resident engineering.

Industrial

- **Alberta Envirofuel, MTBE Plant Construction, Edmonton, AB:** Construction surveying.
- **Dow Chemical, Hydrocarbon Plant Construction, Fort Saskatchewan, AB:** Construction surveying.
- **Alberta Pacific, Pulp and Paper Mill Construction, Athabasca, AB:** Construction surveying.

International

- **Numerous Construction Projects** in Hong Kong as the Construction Surveyor and Supervisor for Contractors and Inspector for Engineering Consultants from 1976 to 1990. Projects included:
  - Mass Transit Railway Station
  - Landslide Slope Protection Site Works
  - Bridges (Overpass)
  - Commercial Building
  - Power Plant
  - Highways
  - Footbridges
  - Retaining Structures
  - Box Culvert
  - Light Rail Transit (LRT)
  - Highway Interchanges
  - Arterial Roads and Street Works
  - Drainage Works (Storm and Sanitary Sewer)
  - International Airport

Candice Gottstein, P.Eng.

Infrastructure Engineer

RESUME

Education

- B.Sc., Civil Engineering, University of Alberta - 1998
- Certified Master Modeller WaterCAD, Haestad Method - 2004

Employment History

- 1997 - Date: Associated Engineering

Professional Societies

- Association of Professional Engineers and Geoscientists of Alberta

Summary of Experience

Candice is a Civil Engineer with over fourteen (14) years' experience on a variety of infrastructure civil engineering projects. She has participated and led in conceptual, preliminary, detailed design and field engineering on municipal projects.

Candice has extensive modeling experience of water, sanitary, and storm systems. She has participated and led a variety of projects including development of master plans, network analyses, preliminary and detailed designs.

Candice Gottstein, P.Eng.

Urban Development

- **Upgrading/Replacement of Utilities and Roads, DND 4 Wing Cold Lake, AB:** Updated water and sanitary sewer models to be used in the analysis of the existing and future systems. Performed analysis and provided upgrading recommendations in a preliminary design report.
- **2000 Roadways, Slave Lake, AB:** Provided detailed design and site inspection services for the roadways program in 2000. Program included watermain and sanitary sewer replacement, paving and complete roadway reconstruction in mature residential areas.
- **Duggan South and Totem Site Servicing, Springwood Developments, Lloydminster, AB:** Detailed design of water, storm and sanitary services for two separate commercial developments including a stormwater management facility. Provided detailed design and site inspection services during construction.
- **Water Supply Pipeline, Defence Construction Canada, Wainwright, AB:** Project Engineer for detailed design of 2 km of 400 mm diameter water supply pipeline from treatment plant.
- **Ardmore/Fort Kent Waterline, Municipal District of Bonnyville #87:** Assisted in the detailed design of over 22 km of water supply pipeline, including two reservoirs and pumphouses.
- **Site Servicing, Springwood Developments, Lloydminster, AB:** Assisted in the detailed design of sewer and water services to the development including the design of a trunk sanitary sewer reaching depths of over 10 metres.
- **Industrial Lot Pre-grade, Killam, AB:** Provided detailed engineering services for the pre-grade of an industrial lot in Killam.
- **2001 Street Improvements, Killam, AB:** Provided detailed design of an urban residential roadway, including storm sewer design.

Water Resources

- **Snow Storage Facility Development Project Northeast Site Effluent Discharge Line Transient Analysis, City of Edmonton, AB:** Transient analysis of a proposed forcemain and surge mitigation using the computer program Hammer.
- **Inflow/Infiltration Study, Camrose, AB:** Coordination of fieldwork for concurrent flood history and lot grading surveys. Collection, manipulation and analysis of data for survey consisting of approximately 2,100 residences.
- **Disaster Recovery Program, Stony Plain, AB:** Organization and summary of invoices for disaster recovery program, including summary of claim on behalf of the Town.
- **Inflow/Infiltration Study, Spruce Grove, AB:** Data collection, manipulation and analysis for inflow/infiltration study and approximately 900 residences.
- **Fulton Creek, Hydrologic Modeling, Edmonton, AB:** Set-up Fulton Creek model including geometric cross-sections, culverts, channels and retention pond using HEC-RAS.
- **West Drainage Channel, Lloydminster, AB:** Modeled a portion of the West Drainage Channel, storm piping and ponds to develop predesign concepts using the computer model XP-SWMM. Detailed design of channel improvements, storm outfall, and culvert beneath the CNR were completed and tendered.

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- **Parkview Stormwater Modeling, Lloydminster, AB:** Modeled the Parkview Development and downstream ponds, including the Bud Miller Recreational area using the computer model XP-SWMM. Purpose was to assess the capacity of the downstream system, and identify suitable storm-water management for the development.

Wastewater Management

- **Saskatchewan Industrial/VLA Main, City of Lloydminster, AB:** Design a 675 mm diameter sanitary sewer main.
- **43rd Avenue Trunk Sewer, Camrose, AB:** Assisted in the detailed design of a relief sewer 4,000 metres in length.
- **Sewage System Upgrades, Kikino Metis Settlement, AB:** Detailed design and tendering of sewage lift station, sewage forcemain and lagoon reconstruction/expansion.
- **Low Pressure Sewage Force Main, Stony Plain, AB:** Design and tender of a 75 mm PE sewage forcemain in the Town of Stony Plain, including sewage tanks and pumps.

Water Supply and Treatment

- **Rush Lake Raw Water Pipeline Hydraulic Transient Analysis – Bar Engineering:** Transient analysis of a proposed raw water main, including the development of a Hammer model, analysis and proposed surge mitigation.
- **Northern Sunrise Regional Water System – Phase 2A, Northern Sunrise County, AB:** Detailed design including hydraulic and transient analysis of approximately 26 km of regional waterline.
- **Capital Region Northeast Water Services Commission, Edmonton, AB:** Transient analysis of the existing CRNWSC supply mains. Developed Hammer models, analyzed existing system and provided recommendations.
- **E.L. Smith Water Treatment Plant Expansion, EPCOR Water Services Inc., Edmonton, AB:** Preliminary design of a 1,500 mm diameter transmission main, 1,800 mm diameter raw water line and various other site servicing components.
- **North Red Deer River Water Transmission Pipeline, Red Deer, AB:** Project Engineer, Preliminary and detailed design of approximately 60 km of watermain and laterals. Watermain ranged in size from 750 mm to 500 mm diameter. Project included crossings of the Blindman and Battle Rivers, and involved coordination with DFO and Alberta Environment. Before detailed design, completed preliminary design of the proposed waterline, including set up and analysis of both CYBERNET hydraulic model and spreadsheet hydraulic models.
- **Water Distribution System Analysis, Stettler, AB:** Set up and analysis of a CYBERNET model of the Town of Stettler's water distribution system. Project involves the development and analysis of the system, based on a calibrated hydraulic model. Upgrading and recommendations to follow.
- **Ryley to Viking Water Pipeline Extension, CU Water Limited:** Project Engineer for detailed design of a 50 km, 250 mm diameter waterline constructed from the Town of Ryley to the Town of Viking. This was a fast track design, which was followed immediately by construction, due to drought conditions in the area. Participated in the hydraulic analysis using the computer model CYBERNET. Also participated in the design and tendering as well as providing assistance during construction.
- **Waterline Replacement, WATC Wainwright, AB:** Design of approximately 6 km of waterline replacement under two separate projects.

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- **Water Network Analysis, Department of National Defence, 4 Wing Cold Lake, AB:** Modeled and analyzed the existing and ultimate water distribution system using the computer program CYBERNET.
- **Waterline Model, Frog Lake First Nations, AB:** Modeled the proposed 11 km waterline including rural services using the computer program CYBERNET.

Master Planning

- **Draft Amendment to Water Master Plan (LTS Revision), Regional Municipality of Wood Buffalo, Fort McMurray, AB:** Amendment to the Water Master Plan to accommodate revised supply system and increased population in the Lower Townsite System. Included modelling and analysis of the proposed revisions.
- **Prairie Creek Business Park Water Servicing Design Brief, Pacific Investments & Development Ltd., Fort McMurray, AB:** Performed water network analysis for a proposed business park south of Fort McMurray.
- **Draft Rotary Lands, Saline Creek Water Servicing Design Brief, IBI Group, Fort McMurray, AB:** Performed water network analysis for the Rotary Lands Development located in the Saline Creek Plateau in Fort McMurray.
- **Keyano College, Saline Creek Water Servicing Design Brief, IBI Group, Fort McMurray, AB:** Performed water network analysis for the Keyano College Lands in the Saline Creek Plateau.
- **Infrastructure Assessment – Town of Fairview, AB:** Involved in the development and analysis of water distribution system and sanitary sewer system hydraulic models. Provided upgrading recommendations and cost estimates.
- **Infrastructure Assessment Report – Town of Swan Hills, AB:** Involved in the development and analysis of water distribution system and sanitary sewer system hydraulic models. Provided upgrading recommendations and cost estimates.
- **Water Service Planning Study, East Edson Area – Yellowhead County, AB:** Involved in the development and analysis of a water distribution system hydraulic model for the purpose of servicing land adjacent to the Town of Edson. Provided upgrading recommendations and cost estimates.
- **Water Master Plan, Regional Municipality of Wood Buffalo, Fort McMurray, AB:** Development of a comprehensive Water Master Plan for the Fort McMurray water system identifying short and long term servicing concepts and reconnections.
- **Fort Edmonton Park Area Utility Master Plan – City of Edmonton, AB:** Analyzed the existing water and sewer systems to accommodate growth within the Park. Provided upgrading recommendations and cost estimates.
- **Water and Sewer Master Plan Update – Town of Onoway, AB:** Updated and analyzed hydraulic models for the water distribution system and sanitary sewer system. Provided upgrading recommendations and cost estimates.
- **Existing Deep Utility Analysis – Town of Bruderheim, AB:** Constructed and analyzed hydraulic models for the water distribution and sanitary sewer systems. Provided upgrading recommendations and cost estimates.
- **AENV/Industrial Heartland Engineering Study, AB:** Developed WaterCAD models and conceptual distribution and collection pipeline routing for the conceptual servicing of the Industrial Heartland.
- **Fort Edmonton – Park Utility Assessment, City of Edmonton, AB:** Analyzed the existing water and sewer systems and provided upgrading recommendations.

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- **Master Service Plan Update, Town of Redwater, Redwater, AB:** Responsible for the update of the water and sewer models used to recommend upgrading to meet the existing and future demands.
- **Metis General Council Master Plan – Updates:** Updates of four of the original eight Metis Settlement Master Plans. Analyzed the water and sewer infrastructure and provided recommended upgrading, expansion and estimated costs.
- **Water Distribution Study – 2009 Update, City of Lloydminster, AB:** Modelled the water system for existing and future scenarios. Performed analysis and provided upgrading recommendations.
- **Water System Infrastructure Study – Kehewin Cree Nation, AB:** Modelled the water system for existing and future scenarios. Performed analysis and provided upgrading recommendations. Analysis included supply investigation – Water Treatment Plant upgrades versus regional supply.
- **Master Services Plan, Town of Athabasca, AB:** Modelled the water and sanitary sewer systems for existing and future systems. Performed analysis and provided upgrading recommendations.
- **Sanitary Sewer Master Plan, City of Lloydminster, AB:** Developed a spreadsheet model of the existing sanitary sewer system for existing and ultimate servicing scenarios. Performed analysis and provided recommendations for upgrading and expansion of the system.
- **Water and Sanitary Sewer Master Plan Updates, Town of Stony Plain, AB:** Updated models for water and sanitary systems to be used in the analysis of both the existing and future systems. Performed analysis and provided recommendation for upgrading the system.
- **Water Distribution System Master Plan, Village of Thorhild, AB:** Developed a WaterCAD model to be used in the analysis of both the existing and future systems. Performed analysis and provided recommendations for phased upgrading of the system.
- **Master Services Plan, Redwater, AB:** Responsible for the Water Distribution and Sanitary Sewer System analysis. Developed models for both the water and sewer systems to be used in the analysis of both the existing and future systems. Utilized the models to recommend upgrading for the existing and ultimate systems.
- **West End Sanitary Sewer Master Plan, Lloydminster, AB:** Modelling of existing and future trunk sewers, developed future servicing plans for expansion areas.
- **Metis General Council Master Plans:** Assisted in the development of Master Plans for each of the eight Metis Settlements in Alberta. Analyzed the water and sewer infrastructure for several of the Metis Settlements, and provided recommended upgrading, expansion and estimated costs.
- **Water and Sewer Infrastructure Study, Village of Onoway, AB:** Set up and analysis of the existing water distribution system using the computer model CYBERNET. Project included recommended upgrades and related costs to improve the existing system and to accommodate future development.
- **Water and Wastewater Infrastructure Study, Hamlet of Ardrossan, Strathcona County, AB:** Modeled and analyzed phased upgrading to the water and sanitary sewer systems to coincide with projected future populations.
- **Water and Wastewater Infrastructure Study, Hamlet of Josephburg, Strathcona County, AB:** Modeled and analyzed phased upgrading to the water, sanitary and storm sewer systems to coincide with projected future populations.
- **Water and Sewer Master Plan, Sturgeon County, AB:** Modeled and analyzed both the water and low-pressure sewer system using the program CYBERNET for existing and future populations.
- **Sherwood Park Waterworks Master Plan, Strathcona County, AB:** Assisted in the computer modeling of the existing and ultimate water distribution system using the program CYBERNET.

Carolyn Skoworodko, M.Pl, P.Eng

Transportation Planning Engineer

RESUME

Education

- M.Pl., Urban and Regional Planning, Queen's University - 2012
- B.Sc., Civil (Environmental) Engineering, University of Alberta – 2008
- Transport Modeling with EMME

Employment History

- 2012 - Date: Associated Engineering
- 2011 - 2012: planningAlliance
- 2011: Associated Engineering
- 2009 - 2010: ATCO Electric

Professional Societies

- Association of Professional Engineers and Geoscientists of Alberta
- Canadian Institute of Planners
- Alberta Professional Planners Institute

Summary of Experience

Carolyn is a transportation planning engineer in Associated Engineering's Edmonton office. Carolyn's experience involves a combination of transportation planning and engineering, as well as community planning in Alberta, Saskatchewan, Manitoba, and Ontario.

Carolyn's transportation planning experience includes active transportation planning, functional planning, concept design, transportation impact assessments, and traffic modeling in EMME. Carolyn has worked on a number of transportation modelling projects, including updating the Regina Regional Model, managing results from the Medicine Hat EMME Model, and is in the early stages of coordinating and developing data collection to build a new transport model in St. Albert, AB. Carolyn is also currently coordinating public consultation and data collection for a corridor study in Stony Plain, AB, and completing a number of traffic impact assessments throughout Saskatchewan.

Carolyn's master's research, funded in part through the Social Science and Humanities Research Council Joseph-Armand Bombardier Canada Graduate Scholarship, focused on active transportation and complete streets development in transportation master plans. Other areas of focus in her degree included sustainable transportation land use planning and healthy communities.

Carolyn also has experience in managing land use planning projects, including economic development plans, heritage grants and municipal development plans.

Carolyn is passionate about projects that use land use planning, data collection and analysis, and technical transportation planning tools to develop long-term planning solutions for communities.

Carolyn Skoworodko, M.Pl, P.Eng

Project Experience

- **St. Albert Transportation Master Plan – City of St. Albert, St. Albert, AB:** As the transportation planning engineer on this ongoing project, Carolyn is currently coordinating the data collection phase of the update to the St. Albert Transportation Master Plan. The update includes a development of a new transport model. Carolyn is part of the team managing the implementation of online consultation, household travel pattern surveys and roadside intercept surveys, and will be soon working with the modeling team to analyze and interpret the results in order to develop and program a new, functional EMME model for the City of St. Albert.
- **Regina Bypass Infrastructure – Owner's Engineer, Ministry of Highways and Infrastructure, Regina, SK:** As part of planning a free flow highway corridor through the Regina Region, Carolyn has provided ongoing EMME modeling support to update the existing Regina Regional Model with land use data and road network upgrades. Carolyn is involved in interpreting model results and presenting these findings to the client and key stakeholders as part of ongoing infrastructure decision making and corridor planning. This project has also included consensus building between numerous stakeholders to use transportation data and community growth plans to develop transportation options to meet the needs of different users and municipalities.
- **Boundary Road Functional Planning Study – Town of Stony Plain, Stony Plain, AB:** This project consists of developing a long range corridor plan for a currently rural road bordering Stony Plain. Carolyn is developing a comprehensive public consultation strategy to collect data and identify public priorities for future use of this corridor. The project also consists of consolidating and collecting background traffic data and existing land use plans in the area to develop an ultimate functional plan that will meet the desires of the public, support Complete Streets development and safely and effectively meet the traffic demands of the growing community.
- **Active Transportation Plan Update, Regional Municipality of Wood Buffalo, Fort McMurray, AB:** Carolyn was the project engineer for an evaluation of the active transportation network in Fort McMurray. The project consisted of consolidation of current mapping and planning information as well as field evaluation of the current commuter network, focusing on multi-use trails connecting commuters from home to work/school. The project will also involve significant consultation with various groups within the Municipality as well as hosting two open houses for the region to gain feedback and insight from the community. The focus on the project is on identifying missing infrastructure links to facilitate ease of movement for cyclists and pedestrians who desire to use alternative forms of transportation to get to work and school.
- **Regina Regional Travel Demand Model Development, Saskatchewan Ministry of Highways and Infrastructure, SK:** The project consisted of developing a regional based model from the City of Regina's travel demand model in EMME. Carolyn assisted with updates to the EMME model as well as forecasting and validation for preparing results for the client.
- **West Regina Bypass Functional Planning Study, Saskatchewan Ministry of Highways and Infrastructure, SK:** The project consisted of utilizing the City of Regina's travel demand model in EMME for the functional planning of the West Regina Bypass. Carolyn assisted with results analysis and interpretation.
- **Traffic Impact Assessment – Town of Luseland, Luseland, SK:** Carolyn is completing a traffic impact assessment to assess the existing transportation network in Luseland to accommodate proposed residential development over the next 30 years.

Carolyn Skoworodko, M.Pl, P.Eng

- **Traffic Impact Assessment – Helix Engineering, Grande Prairie, AB:** This traffic impact assessment involved taking existing model data and a recently completed functional plan for the 132nd Avenue corridor to determine the impact of a proposed multi-use development on the proposed traffic network.
- **Urban Development Sub-Region Road Network Needs Assessment, Regional Municipality of Wood Buffalo, Fort McMurray, AB:** Carolyn was the project engineer for the consulting team that was working the Municipality's engineering and planning departments to identify the future needs for arterial corridors in the expanding urban area of Fort McMurray.
- **Traffic Impact Study for North Brandon Gateway Secondary Plan, City of Brandon, MB:** Carolyn completed the traffic engineering associated with a traffic impact study for the long term effects of implementation of the proposed North Brandon Gateway Secondary Plan in Brandon, Manitoba. The project consisted of projecting traffic data up to 35 years in the future for five key intersections surrounding the proposed development area. Trip generation and assignment for the project area to support employment and housing for around 15,000 new residents was combined with growth projections and Sim/Synchro analysis to provide recommendations for upgrades to existing intersections**.**
- **Fort Edmonton Park Parking Study, City of Edmonton, AB:** Carolyn is the project engineer for this parking assessment and optimization study at Fort Edmonton Park. The project involved evaluating the need for after hours and peak hour parking and developing a parking strategy and maximized spaces in existing lots. The project team also identified potential future lots and evaluated multi-modal traffic demand management options for reducing parking demand.
- **Fort McMurray City Centre Implementation, Fort McMurray, AB:** As a project engineer, Carolyn assisted with the detailed design to implement over $30M of urban development improvements within the City Centre. This project is focused on the lands adjacent to the City's waterfront and includes a critical review of nearby streetscapes and a continuous multi-purpose trail system in and around the waterfront.
- **Highway 16 Access Management Study, Alberta Transportation, near Vegreville, AB:** Carolyn assisted the consulting team with developing route alternatives along an 80km segment of Highway 16 from within Elk Island National Park to Highway 36 near Lavoy, AB. The project included identifying a conceptual network for conveying local traffic to future interchange locations that were previously identified along the Yellowhead Highway. Conceptual interchange and flyover plans were developed at two sites to assist Alberta Transportation in decision making to include additional crossings of this future limited-access facility. This project contained a significant public consultation component, with two open houses and other stakeholder consultation.
- **Highway 14 Access Management Study, Alberta Transportation, in Wainwright, AB:** Carolyn assisted the project team in developing an access management plan to improve access to and from Highway 14 to local roads and private businesses along 3.2km of primary highway in Wainwright, AB. This project included a significant public consultation component.
- ***Master's Research, Planning for Complete Streets:*** A Comparative Evaluation of Three Transportation Master Plans: Carolyn's master's research was focused on using guidelines developed by the American National Complete Streets Coalition to evaluate the transportation master plans of three mid-sized North American cities. As part of the evaluation, Carolyn identified strengths and weaknesses of the plans as they relate to planning for pedestrians, cyclists, and public transit. The outcome of the research provided specific recommendations for updates to the City of Kingston's Transportation Master Plan. The research was funded through the Social Science and Humanities Research Council.

Carolyn Skoworodko, M.Pl, P.Eng

- **Main Street Saskatchewan Demonstration Project and Downtown Redevelopment Plan, Town of Nipawin, Nipawin, SK:** As part of the Associated Engineering Community Planning Group, Carolyn developed an application for the Town of Nipawin to receive the inaugural Main Street Saskatchewan Demonstration Project Grant. The work also served as the beginnings of a Downtown Redevelopment Plan for the Town. The work involved consultation with key members of the community to identify heritage resources and a preliminary heritage assessment of the downtown. The team developed an open house to inform and receive feedback from the business community about priorities for the project.
- **Hinton Transportation Master Plan, Town of Hinton, Hinton, AB:** Carolyn reviewed and assisted in providing updates to the Transportation Master Plan through review and consolidation of relevant planning documents including area structure plans and development plans.
- **West Athabasca/Wabasca Functional Planning Study, Oil Sands Developers Group, Regional Municipality of Wood Buffalo:** Carolyn compiled background information to prepare the team for this Functional Planning Study in the Regional Municipality of Wood Buffalo.
- **City of Saskatoon Ring Road Study, City of Saskatoon, Saskatoon, SK:** As part of the project team, Carolyn assisted with the design of the overpasses in developing preliminary roundabout designs.

Marianne A. Lund, B.Sc., P.Eng.

Process Engineer

RESUME

Education

- B.Sc. Chemical Engineering, University of Alberta, Edmonton – 2009
- B.Sc., Biology/Dental Hygiene, University of Alberta, Edmonton – 2001
- Dental Hygiene Diploma, University of Alberta, Edmonton – 2001

Employment History

- 2009 – Date: Associated Engineering
- 2008: Orthopaedic Research Group, University of Alberta, Edmonton

Professional Societies

- Association of Professional Engineers and Geoscientists of Alberta
- Consulting Engineers of Alberta
- Chemical Institute of Canada
- Canadian Society for Chemical Engineering
- University of Alberta Women in Science & Engineering

Summary of Experience

Marianne Lund is a Process Engineer at Associated Engineering's Edmonton office in the Water Division. Marianne has 6 years of relevant technical and project engineer experience as a process engineer on municipal, regional, and industrial water and wastewater projects.

Marianne is involved with a wide variety of treatment and supply water projects that involve all the stages of a project's lifecycle, including feasibility studies, assessments, pre-designs, designs, operating philosophy development, cost estimating, scheduling, preparation of tender specifications, construction supervision and inspections, operational troubleshooting, optimization, and operations manual development.

Specific green field and retro-fit projects include water treatment plants, water pump stations, sanitary force mains, wastewater lagoon systems, raw water intake systems, and water reuse systems.

In addition to technical knowledge, Marianne's strengths are with interpersonal skills and she recognizes the importance of effective communication and has proven this awareness in the development of various communications plans.

Marianne A. Lund, B.Sc., P.Eng.

Water Treatment

- **Process Residuals Reuse for Golf Course Irrigation, Fairview AB:** Project and Process Engineer for a feasibility study to reuse the water treatment plant process waste for golf course irrigation.
- **Water Treatment Plant Upgrade, Whitefish Lake First Nation #459, Atikameg, AB:** Project Engineer responsible for the process mechanical design and management of a multidisciplinary design team. The design included a new water treatment facility using greensand filters and nanofiltration membrane system a treat a challenging groundwater source.
- **Water Treatment Plant Upgrade, Rycroft, AB:** Project Engineer responsible for design and construction management of the upgrade on a surface water conventional solids contact clarifier internal replacement, addition of air scour to dual media filters, chemical systems upgrade and ancillary equipment.
- **Water Treatment Plant Upgrade, Hines Creek, AB:** Project Engineer responsible for the pre-design, detailed design and construction management of the water treatment expansion and upgrade to membrane surface water treatment.
- **Water Reuse System, Industrial Client, AB:** Process Engineer involved in the preliminary design and regulatory body variance application preparation for a greywater reuse water system.
- **Regional Water Treatment Plant, Aspen Regional Water Services Commission, Athabasca, AB:** Construction stage engineer who completed inspections of the new Aspen Regional Water System. Inspections included: multi-discipline team inspections, start-up and commissioning, and the creation of the standard operating procedures and emergency response plan manuals.
- **Water Treatment Plant Upgrade, Saddle Lake Cree Nation No. 125, Saddle Lake, AB:** Involved with the raw water intake system design and construction management.
- **Septic Tank Effluent Pump (STEP), Strathcona County, Sherwood Park, AB:** Construction supervisor for the forcemain connection of a horizontal, directional drill through an environmentally sensitive wetland.
- **Potable Water Supply Options, GenMec ACL Inc., Cold Lake, AB:** Industrial client investigation of options for the conversion of the non-potable plumbing systems into potable systems.
- **South Peace Regional Water Supply, Phase 1, Spirit River/Rycroft Water Management System AB:** Involved in developing a sound water system upgrade strategy for the Spirit River/Rycroft region.

Wastewater Treatment

- **Biosolids Removal and Land Application, Grande Cache, AB:** Project Engineer responsible for preparing the Request for Proposal and construction management.
- **Wastewater Aerated Lagoon Upgrade, Athabasca, AB:** Construction management for the upgrade to an existing aerated lagoon facility. Installation of turbo blowers, float sink aeration, baffle curtain, a grinder and flow monitoring equipment. Effective management of unanticipated deterioration of existing components.
- **Wastewater Packaged Plant Assessment, Grande Cache Coal, AB:** Assessment of existing wastewater packaged plant and developed recommendation for short term treatment optimization and long term upgrades.

Richard Simpson, M.Sc., RPF

Senior Environmental Planner

RESUME

Education

- M.Sc., Forest Management and Biology, University of Alberta - 2005
- B.Sc., Forest Management, University of Alberta - 2002
- Dipl. T., Renewable Resources Technology, Forestry - 1999

Employment History

- 2013 - Present: Summit Environmental Consultants
- 2008 - 2013: Silvatech Consulting Ltd.
- 2005 - 2008: The Forestry Corp.
- 2001 - 2003: University of Alberta
- 2000 - 2002: Sunpine Forest Products

Professional Societies

- College of Alberta Professional Foresters

Certification and Training

- 2013: First Aid and CPR
- 2013: Complex Agent-Based Modelling Systems Workshop
- 2009, 2011, 2012: ALCES Modelling Workshops
- 2007: Remsoft Advanced Modelling Workshop
- Level 3 AWA Kayak Instructor
- PADI Open Water Dive

Summary of Experience

Richard is a Professional Forester with over 14 years of experience in land-use and forest-management planning in western Canada. In his current position as Senior Environmental Planner, Richard has a key role in projects requiring environmental assessment, planning and permitting.

Richard has several areas of project experience: project management, environmental lead for permitting, approvals, and monitoring for a range of engineering and construction projects across Alberta; decision support for the Watershed Resilience and Restoration Program, Regional Strategic Assessment for the Southern Athabasca Oil Sands area; developing and applying a custom model to a Cenovus Energy operation to minimize ecological effects while maintaining project economics; ecological support modelling for development of the South Saskatchewan Regional Plan; and numerous timber supply analyses throughout western Canada. Richard also has experience with traditional land use studies and software development.

Richard Simpson, M.Sc., RPF

Environmental Assessment and Planning

- **Watershed Resilience and Restoration Program – Government of Alberta, Calgary, AB:** Project Manager for the identification of Priority Areas for Restoration to mitigate the effects of floods, droughts, and water quality issues.
- **Regional Municipality of Wood Buffalo Flood Recovery - Regional Municipality of Wood Buffalo, Fort McMurray, AB:** Environmental Lead for the permitting, approvals, and environmental monitoring of numerous projects related to flood recovery, including removal of four bridges, bank armouring, and bridge repairs on three bridges.
- **Saline Creek Flood Recovery - Regional Municipality of Wood Buffalo, Fort McMurray, AB:** Environmental Lead for the permitting, approvals, and environmental monitoring of debris removal and re-channeling of Saline Creek.
- **Integrity Dig Secondment – Enbridge Pipelines, Edmonton, AB:** Worked at Enbridge to support the environmental group's operations during the integrity digs required to reverse Line 9B.
- **Post Reclamation Monitoring – Enbridge Pipelines, Edmonton, AB**: Project Manager for the post-reclamation monitoring of Line 21 integrity digs during the 2014 season.
- **Richardson River Bridge Environmental Permitting – Regional Municipality of Wood Buffalo, Fort McMurray, AB:** Environmental Lead for the permitting and approvals for development of a bridge across the Richardson River on the Fort Chipewyan ice road.
- **Southwest Waterline – Regional Municipality of Wood Buffalo, Fort McMurray, AB:** Environmental Lead for the permitting and approvals for development of a water supply line in Fort McMurray.
- **Regional Waterline – MD 124, Slave Lake, AB:** Environmental Lead for the permitting and approvals for an improved regional water system for MD 124, which includes a new intake and pipeline, regional water distribution, and fire suppression intakes.
- **Bridge Maintenance – Various Clients and Locations, AB:** Environmental Lead for the permitting and approvals for maintenance activities on numerous bridges across northern Alberta.
- **MacDonald Island Pedestrian Bridge - Regional Municipality of Wood Buffalo, Fort McMurray, AB:** Environmental Lead for the permitting and approvals for development of a pedestrian bridge across the Snye Channel in Fort McMurray.
- **Fort Saskatchewan Tunnel Monitoring - City of Edmonton, Edmonton, AB:** Environmental Lead for the environmental monitoring associated with dewatering for tunnel construction.
- **Traditional Land Use Studies (TLUs) - Métis Nation of British Columbia, Northern BC:** Technical Analyst for the results analysis component of the Spectra Energy pipeline and TransCanada Corp. Groundbirch, Kyklo, and Komie pipeline TLUs.
- **Land and Biodiversity Modelling Support - Alberta Environment and Sustainable Resource Development (AESRD), South Athabasca Oil Sands, AB:** Project Lead and Lead Analyst for land and biodiversity support modelling. Assessed baseline effects of cumulative development on land and

biodiversity indicators to support the development of the Regional Strategic Assessment, a defined outcome of the Lower Athabasca Region Plan.

- **Landscape Classification - Alberta Land Use Secretariat (LUS), Edmonton, AB:** Subject Matter Expert for creation of the provincial landscape classification to support the development of the provincial modelling for the LUS.
- **Oil Sands Mine Expansion Environmental Impact Assessment (EIA) - ALCES Group, Northern AB:** Project Lead for the initial cumulative effects assessment for the EIA.
- **Foster Creek Innovative Planning - Cenovus Energy, Foster Creek, AB:** As Project Lead and Lead Analyst, explored baseline development and alternative development strategies for a steam-assisted gravity drainage (SAGD) operation. Project objective was to identify alternative strategies to reduce ecological impacts while maintaining project economics.
- **Cumulative Effects Modelling for the South Saskatchewan Region Plan (SSRP) - Alberta Land Use Secretariat, Southern Alberta:** Lead Analyst for the ecological support modelling component of the SSRP. Explored the cumulative effects of projected development in the region and alternative scenarios to understand impacts on economic, social, and environmental outcomes.
- **Timber Supply Analyses - Sundance Forest Industries Ltd., Millar Western Forest Products Ltd., C5 (AESRD) and Tembec Inc., AB and MB:** Project Lead and Lead Analyst for development of a timber supply analysis for each company, which was part of each firm's Detailed Forest Management Plan.

Lisbeth Medina, M.Eng., E.I.T.

Project Engineer

RESUME

Education

- Bridge Inspection Maintenance (BIM), Class “B” – Trainee
- B. Sc., Civil Engineering- Universidad Santa Maria, Barcelona, Venezuela - 2005
- M.Eng., Civil Engineering Water Resources Engineering, University of Calgary - 2009

Employment History

- 2011 - Date: Associated Engineering
- 2009 - 2011: MPA Engineering Ltd.
- 2006: INVIALTMO (Instituto de Vialidad y Transporte del Estado Monagas)
- 2005: IPC (Ingerieria y Proyectos Consultores, C.A.)

Professional Societies

- Association of Professional Engineers and Geoscientists of Alberta
- Venezuelan Association for Engineers (Colegio de Ingenieros de Venezuela)

Summary of Experience

Lisbeth is a water resource engineer with six years of experience in urban drainage design, stormwater management, sanitary model calibration and assessment of existing and future conditions (including minor and major drainage systems). Lisbeth has also performed detailed hydrotechnical and hydraulic analysis for various standard culverts and bridges projects in the province of Alberta.

Lisbeth has bridge construction supervision experience, as well as preliminary design and assessment of standard bridges and culverts on a number of projects in northern Alberta. As part of her Engineer and Master degree studies she also has gained experience in analysis of water quality modeling, as well as design analysis of water plants.

Lisbeth has modelling skills using BRWQM, Global Mapper, Manifold, HEC-RAS, PCSWMM, MIKE URBAN, as well as Microsoft Excel, Word and Power Point.

Lisbeth Medina, M.Eng., E.I.T.

Projects by Discipline

- **Culverts and Bridges Construction:**
  - **Construction**
    - Alberta Transportation, BF. 77272 and 77273, Highway 743 over an Unnamed Watercourse, 29 km and 27 km S.E. of Deadwood, Bridge Culvert Replacements, 2009, $1,350,600.00
    - Municipal District of Fairview, BF. 74995 and 72322, Range Road 34 and 35 over Watercourse, 6 and 7 km NW of Fairview, Bridge Culvert Replacements, 2009, $168,093.80
    - Municipal District of Smoky River, No. 130, BF. 70802, Local road over Lalby Creek, 14 km north of Falher, Bridge Replacement, 2009, $127,894.20
    - Alberta Transportation, BF. 77270, Highway 743 over an Unnamed Watercourse, S.E. of Deadwood, Supply and Install Welded steel pipe culvert and other work, 2009-2010, $1,966,700.00
    - Municipal District of Fairview, BF. 13326, Local Road over Leith River, 4 km west of Whitelaw, Bridge Replacement, 2010, $500,968.65
    - Alberta Transportation, BF. 76026 and 77271, Highway 743 over the Whitemud River and a Watercourse respectively, S.E. of Deadwood, Demolition, Construct Structural Steel Girder Bridge and Bridge Culvert Installation, 2010, $4,777,462.80 (July 2010 – May 2011)
  - **Assessment Projects:**
    - County of Grande Prairie, BF 76994, Local Road over Graham Creek (SW 25-71-13-W6M), 6.1 m “TT” treated timber on treated timber substructure; performed BIM Inspection, site investigation and Level 2 Coring inspection as well as final report
    - County of Grande Prairie, BF 07945, Local Road over Bear Creek (SW 14-74-10-W6M), 3990 mm diameter SPCSP culvert x 34.8 m invert length; performed BIM Inspection, site investigation and Level 2 culvert inspection as well as final report
    - Alberta Transportation, BF 75810, Highway 681 over an unnamed watercourse (SW 16-81-11-W6M), Structure: 1000 mm diameter CSP culvert x 20 m invert length
    - Alberta Transportation, BF 80543, Highway 681 over an unnamed watercourse (SW 17-81-11-W6M), Structure: 2 x 1200 mm diameter CSP culverts x 30 m invert lengths
    - Municipal District of Big Lakes, BF 13387, Local Road over Tributary to Salt Creek (SE 02-77-14-W5M), 2610 mm x 2877 diameter SPCSP culvert x 65.8 m invert length; performed BIM Inspection, site investigation and Level 2 Culvert Inspection as well as final report
    - Municipal District of Big Lakes, BF 74566, Local Road over Tributary to Lesser Slave Lake (NW 09-74-13-W5M), 6.1 m span “PG” bridge on a treated timber substructure; performed BIM Inspection, site investigation, Level 2 Coring and Girder inspection as well as final report
    - County of Grande Prairie, BF 71136, Local Road over Beavertail Creek (SW 08-73-11-W6M), 6.1-8.5-6.1 m spans “PG” bridge on treated timber substructure; performed BIM Inspection, site investigation, Level 2 Coring and Girder inspection as well as final report
    - Municipal District of Spirit River, BF 72960, Local Road over Tributary to Spirit River (NE 30-78-04-W6M), and 6.1 m span Girder Bridge on treated timber substructure; performed final report.

Lisbeth Medina, M.Eng., E.I.T.

- Municipal District of Smoky River, BF 73849, Local Road over 2nd Order Tributary to Peavine Creek (NW 10-77-20-W5M), 6.1 m span Girder Bridge on treated timber substructure; performed final report
- **Water Resources Projects:**
  - 2011 Regional Municipality of Wood Buffalo (RMWB) Rehabilitation Program
    - Performed a review and proposed upgrades of the existing sanitary and storm sewer systems for the city of Fort McMurray.
  - Clean Harbors Stormwater Management Plan, North of Fort McMurray, Alberta
    - Conducted a drainage culverts design within the plant site based on the Regional Municipality of Wood Buffalo standards.
    - Performed a design of stormwater management facilities, wet and dry ponds, to accommodate runoff from the plant site based on Alberta Environment Guidelines.
  - Nova Chemicals Stormwater Management Plan, Joffre, Alberta
    - Completed a drainage study of the plant site and proposed west access road.
    - Performed detailed study and design of road ditches, drainage culverts and stormwater management facility (dry pond) according to Alberta Environment regulations.
    - Conducted a hydrotechnmical analysis, and design of culverts over an unnamed creek located under proposed west access road.
  - Highway 16 – Conceptual Hydrotechnical Review
    - Researched background information of the existing culverts and bridge structures along highway 16.
    - Reviewed and recommended possible alternatives for the construction of service roads within the project boundaries.
  - Hydrotechnical Analysis of the Richardson River Bridge, located on the winter road between Fort McMurray and Fort Chipewyan
    - Completed a review of the drainage area and terrain characteristics
    - Performed an hydrology review to assess the design discharge
    - Performed an assessment of replacement options by using HEC-RAS model.
  - Hydrotechnical Analysis of the Christina River Bridge located on a local road east of Chard and about 100 km south of Fort McMurray.
    - Completed a review of the drainage area and terrain characteristics
    - Performed an hydrology review to assess the design discharge
    - Performed an assessment of replacement options by using HEC-RAS model.
  - Hydrotechnical Analysis of the Tolen Drive Bridge (Assessment Report), Fort McMurray, Alberta
    - Completed a review of the drainage area and terrain characteristics
    - Performed a hydrology review to assess the design discharge and propose preliminary replacement options.
  - CENOVUS Stormwater Management Plan, Foster Creek, Alberta (currently in progress)
    - Completed a conceptual analysis of the existing plant drainage system.

- Performed a conceptual design of the drainage culverts and storm sewer system
- Performed a conceptual design of two stormwater management ponds based on Alberta Environment Guidelines.

- Southwest Edmonton Flood Evaluation Study, Edmonton, Alberta
  - Reviewed flood reports and analysed the 2004 and 2012 storm events and their impact in the neighbourhoods of Aspen Gardens, Greenfields, Lendrun Place, Malmo Plains, Parkallen, Pleasantview, Royal Gardens, Westbrook Estates and Lansdowne.
  - Completed an update of the computer models for the sewer system that were previously developed in conceptual design projects. Mike Urban software was used for this task.
  - Performed an assessment of the existing sanitary/combined system capacity by using the update computer model.
  - Provided recommendations and upgrades to prevent basement and overland flooding in the nine neighbourhoods of southwest Edmonton.
- Town of Bruderheim Master Service Plan, Bruderheim, Alberta
  - Performed stormwater management plan for the Town of Bruderheim.
  - Completed a review of the existing drainage system and propose upgrades.
  - Performed a conceptual drainage and stormwater management design for future development.
- Hydrotechnical Analysis of Bridge File 72399 (Tributary of the Norris Creek) located on Highway 16, 27 km West of the Town of Mundare, Alberta.
  - Completed a review of the drainage area and terrain characteristics.
  - Performed an hydrology review to assess the design discharge by using Alberta Transportation Channel Capacity Calculator and Runoff Depth Method.
  - Performed an assessment of replacement options by using Alberta Transportation “Flow Profile” tool.
- Sandborn Roof Inc. Stormwater Management (Lot 12)
  - Completed a stormwater management study for future development of Lot 12 located in Nisku, Alberta.
  - Completed a Low Impact Development (LID) design, bio-swales, to control and treat runoff at the site.

APPENDIX C

Thurber Engineering

Corporate Profile
Resumes

www.thurber.ca

Thurber Engineering Ltd. is a Canadian consulting firm wholly-owned by senior practising professionals. Since its inception in 1957, Thurber has grown to employ over 300 engineers, geoscientists and technologists in ten offices across Canada, providing a variety of Geotechnical, Geo-Environmental and Materials Engineering and Testing Services.

Our teams are well supported by advanced laboratory facilities, specialized field testing equipment, innovative field instrumentation, and state-of-the-art numerical modelling software. We strive to provide practical solutions to technical problems, and work closely with our clients through to project completion.

Thurber's recent projects have included new major highways in Alberta, BC, Ontario and New Brunswick, signature facilities such as the Richmond Olympic Oval, and subway tunnels in Edmonton and Toronto. We have been involved in a variety of geo-environmental projects ranging from soil and groundwater contamination assessments and remediation management to hydrogeology and groundwater supply studies. We are recognized as a leading consultant in the Oil Sands industry, and are currently working on a variety of industrial plants, pipelines and tailings dam projects.

Our areas of expertise include:

- Soils and Rock Engineering
- Foundation Engineering
- Slope Stability and Retaining Structures
- Geohazards and Risk Assessment
- Earthworks Design and Construction
- Water Retention and Tailings Dams
- Tunnelling and Trenchless Technology
- Geotechnical Instrumentation
- Hydrogeology and Groundwater Supply
- Municipal and Industrial Landfills
- Asphalt and Concrete Pavement Evaluations and Designs;
- Asphalt and Concrete, Field and Laboratory Testing;
- Evaluation and Testing of Asphalt and Concrete Aggregates;

At Thurber, we are big enough to provide opportunities for professional growth, but small enough to maintain a friendly and personal work atmosphere. We strive to provide a corporate culture that supports creativity, diversity, and fairness.

After more than 50 years in business, we still look forward every day to doing the work we are passionate about. If you'd like to learn more about us, visit **www.thurber.ca**

THURBER

DONALD PROUDFOOT, P.Eng.
Geotechnical Engineer

M. Eng. (Geotechnical Engineering) 1992
University of Alberta

B.Sc. (Civil Engineering) 1990
Lakehead University

Diploma in Civil Engineering Technology 1980
Northern Alberta Institute of Technology

PROFILE

Mr. Proudfoot is a principal of Thurber who has worked on a variety of geotechnical assignments involving transportation, industrial plants, bridges, tunnels, mining, dams, slope stability assessments, land development and geotechnical instrumentation. A selection of experience is provided below:

Functional Planning Studies

- Capital Region Ring Road, Edmonton
- Hwy 63:14 from Suncor to Athabasca River
- Hwy 63:11/12 through Fort McMurray
- Town of Athabasca Truck Route By-pass
- QEII Hwy and 65 Ave interchange, Leduc
- Hwy 43:06 North of Sturgeon Lake Functional Planning Study.
- Hwy 16:06 Edson Bypass Functional Planning Study.
- Hwy 686 East West Connector from Peerless Lake to Fort McMurray FPS.
- Fort McMurray west Bypass and Fort McMurray East By-pass
- Hwy 834 Tofield Bypass FPS
- Whitemud Drive upgrading, Edmonton FPS

.

Interchanges and Bridges

- Hwy 734:14 Clearwater River Bridge (BF76350) replacement geotechnical investigation
- Hwy 734:10 Red Deer River Bridge (BF76099) replacement geotechnical investigation
- Hwy 27:10 Red Deer River Bridge (near Morrin) replacement geotechnical investigation
- Hwy 63 through Fort McMurray including new Athabasca River Bridge and interchanges at Thickwood Blvd, Confederation Way, Franklin Avenue and Beacon Hill.
- Terwillegar Drive Pedway Bridge, Edmonton.
- Anthony Henday and Callingwood Drive interchange, Edmonton
- Peace River bridge abutment stabilization, Fort Vermillion, AB
- Hwy 40 bridge over Smoky River, Grande Cache.
- Hwy 22 new bridge and alignment over North Saskatchewan River.
- Hwy16 and Hwy779 interchange, Stony Plain Alberta.
- Hwy 14 and Whitemud Freeway interchange, Edmonton Alberta.
- Hwy 16 Clover Bar Bridge, Edmonton.
- 184 Street/Yellowhead Trail Interchange, Edmonton geotechnical investigation.
- Hwy 63/King Street Interchange Project, Fort McMurray.
- Hwy 43 Twinning as part of Alberta North South Trade Corridor Project Bridges. Geotechnical investigation and inspection for new bridges over the McLeod River, Athabasca River, Little Paddle River, Paddle River and Pembina River.
- East Sousa Creek Bridge on Hwy 55, west of High Level, AB.

THURBER

Highways and Roadways

- Saline Drive Phase 2 up Clearwater River valley slope, Fort McMurray
- Hwy 727 new alignment and arch culverts over Howard Creek and Ksituan River, west of Spirit River, Alberta.
- Hwy 63:08 Twinning south of Fort McMurray
- Confederation Drive twinning, Fort McMurray.
- CNRL Horizon Project Access road and bridges – North Segment, north of Fort McMurray.
- CNRL Horizon Mine Heavy Haul Road and aerodrome access road.
- Soil surveys for Hwy 727, MD Saddle Hills and Hwy 43 from McLeod River to east of Athabasca River, Whitecourt.
- Swan Hills Special Waste Facility access road.
- Geotechnical investigation for Hwy 753 south of Cynthia.

Slope Stability

- Hwy 744:02 Judah Hill Sunshine, Makeout and Heart River Landslide Repairs
- Hwy 726, Eureka River Site 3 landslide repairs
- Peace Region - High Level Peace River Area Geohazard Assessment Regional Assignment
- Hwy 49 Little Smoky River crossing geotechnical assessment for SH3 and SH4.
- Hwy 63:12 twinning from Fort McMurray to south of Supertest Hill – geotechnical design to maintain stability of valley slopes and Enbridge Pipeline.
- Hwy 35 Miekle River landslide Repairs north and south of river crossing
- North Central Region – Athabasca Area Geohazard Assessment Region Assignment
- Hwy 63/King Street North-South Ramp and headslope stability assessment.
- Setback assessment for Abasand Development, River Lots 9, 10, and 11, Fort McMurray.
- Slope stability assessments for Johnson and Sather residences, Edmonton.

Municipal Developments

- Snye Waterfront Development Geotechnical Desktop Study.
- SW Utility Corridor, Fort McMurray AB.
- Gregoire East Sanitary Sewer HDD, Fort McMurray, AB.
- Saline Creek Plateau development setback assessment, Fort McMurray.
- Saline Creek offsite servicing geotechnical investigation.
- Mt. Pleasant Sanitary Sewer alignment, Camrose.
- Area 5 sanitary sewer re-alignment, Fort McMurray.
- EPCOR Genesee Power Plant Water raw water intake lines.
- Fort McMurray Lifts Station 1B.
- ALPAC bleached kraft wastewater treatment ponds.
- Suncor bitumen line emergency dump pond facility.
- Syncrude Southwest Sands facility decant structure.

ASSOCIATIONS

- Member, Association of Professional Engineers and Geoscientists of Saskatchewan
- Association of Professional Engineers and Geoscientists of Alberta.

EMPLOYMENT HISTORY

1980 – Present Principal, Thurber Group, Edmonton, Alberta

THURBER

ROBIN TWEEDIE, P.Eng.
Geotechnical Engineer

B.Sc. (Civil Engineering) 1974
Queens University, Belfast, N. Ireland

M.Sc. (Geotechnical Engineering) 1976
University of Alberta

PROFILE

Mr. Tweedie has acted as Project Engineer or Project Manager on a wide variety of geotechnical assignments involving tunnels, industrial plants, transportation, bridges and structures, water resources, land development, municipal and mining projects. A selection of major assignments is presented below.

Land Development and Municipal Projects

- Investigation, design, recommendations and inspection services for Water Treatment Plants in Fort McMurray, Castledowns, Stony Plain, Leduc, Camrose, Wabasca, and the Syncrude Plantsite.
- Investigation and inspection services for earthen sewage lagoons and associated utility installations for Bruderheim, Fabyan, Wabasca, Camrose, Stony Plain, Esso Cold Lake project, Obed Marsh Coal Plant.
- Water and sewerage utility installations for Camrose, Stony Plain, Pigeon Lake communities and in the City of Edmonton.
- Goldbar Waste Water Treatment Plant additions.
- Investigation and inspection services for over 20 subdivisions in Edmonton and surrounding districts.

Tunnels

- SESS SA10A Sanitary Sewer Tunnel and Pump Station;
- Millwoods Double Barrel Trunk Sewer, 91st Street from 23rd Avenue to 30th Avenue
- SESS Stage 1 and Leg SW 1.
- SESS SA1B Storm Tunnel; From 9th Avenue to 23rd Avenue along 91 Street
- NEST Leg L1, L2 and NC1.
- Millwoods Greenview Storage tunnel.
- WESS W1 Sanitary Sewer from 199th Street to 170th Street
- WESS14, Sanitary Sewer along 199th Street from 98th Avenue to 107th Avenue
- WESS W12 Sanitary Sewer Tunnel River Crossing Edmonton SLRT Phase 1 Central Station to Corona Station geotechnical investigation and design recommendations for twin rapid transit tunnels. Bay and Corona Stations.
- Edmonton SLRT Phase 2 North Portal to University Station geotechnical investigations, design recommendations, inspection and ground monitoring during construction for twin rapid transit tunnels, portals, river valley structures and University Station. Also geotechnical monitoring of ground and tunnels from North Portal to Corona Station.
- Edmonton SLRT Phase 3 preliminary geotechnical investigation for twin tunnels and Health Sciences Station.
- 23 Avenue and Calgary Trail Stormwater Drainage Tunnel.
- .University of Alberta combined Sanitary/Storm Sewer Tunnel Extension.
- Rossdale New Utility tunnel and CT chamber.
- Rossdale New Intakes and Pumphouse.

- Rossdale Intake Relocation 42 Km Transmission Line Project, geotechnical investigation and design recommendations.
- Edmonton District Energy Project tunnels from Rossdale Plant to Downtown Edmonton.
- Highland Sewer Tunnel River Crossing.

Transportation

- Calgary Trail 23 Avenue Interchange – Edmonton.
- Yellowhead Trail and 156 Street Interchange, Edmonton.
- Whitemud Drive/Quesnell Bridge Functional Planning Study.
- Whitemud Drive and 156 Street Retaining Walls, Edmonton.
- Hwy 2 and Ellerslie Road Interchange, Edmonton.
- Hwy 63 Twinning North of Fort McMurray.
- Functional Planning for Hwy 63 through Fort McMurray.
- Highway 2 Functional Planning 23 Avenue to City Limits, Edmonton.
- City of Edmonton Whitemud Drive Extension 34 Avenue to Highway 14.
- SH830 Upgrading from SH636 to Twp. Rd. 540.
- Anthony Henday Drive SW and SE Preliminary Geotechnical Investigations.
- Alignment soils investigation for SH813.
- Stony Plain East-west arterial road investigation and construction services.
- Highway 13:06, E of Jct. SH771 - E of Jct. SH780.
- Stony Plain South Business Park and North Business Park Access Roads.
- Highway 16X and SH779 Interchange, N of Stony Plain.
- Highway 14 and Whitemud Drive Interchange, Edmonton.
- Highway 63 Relocation North of Ft. McMurray to Syncrude, including bridge and twin arch overpass structures.
- Geotechnical investigation for Edmonton's South Light Rail Transit – Phase I, Central Station to Corona Station, including twin tunnels and two cut and cover stations.
- Geotechnical investigation, design input and ground/structure monitoring for Edmonton SLRT Phase II, Corona Station to University Station, involving tunnels, portals, cut and cover stations, valley structure bridge and valley slope stability.
- Cloverbar Bridge (Hwy 16) over North Saskatchewan River.
- Fort Edmonton Pedestrian Bridge over North Saskatchewan River.
- Buena Vista Pedestrian Bridge over North Saskatchewan River.

Bridges

- King Street Interchange, Fort McMurray.
- Hwy 16 East and North Saskatchewan River (Cloverbar Bridge).
- Anthony Henday Drive Wedgewood Creek Bridge.
- West Regional Road bridge over Sturgeon River, St Albert.
- Preliminary Investigation for Anthony Henday Drive bridges over North Saskatchewan River, Whitemud Creek, 95 Avenue, 105 Avenue and 111 Avenue.
- Calgary Trail (Highway 2) and Ellerslie Road Interchange Pembina River Bridge at Cherhill, slope stability evaluation and remediation recommendations.
- Highway 14 and Whitemud Drive Interchange, Edmonton.
- McLeod River Bridge and Highway 43 Whitecourt.
- Athabasca River Bridge and Highway 43, Whitecourt.
- North Saskatchewan River Bridge at Drayton Valley, slope stability evaluation and remediation recommendations.
- McKenzie Avenue & Hwy No. 2 Interchange, Red Deer.
- Highway 16X and 60 Interchange Foundation Recommendations.
- Interchanges at 34 Street, 17 Street and CNR Overpass on Whitemud Drive, Edmonton.

- Investigation and inspection services for Edmonton SLRT North Saskatchewan River Bridge.
- Investigation and in-situ pressuremeter testing for McLeod River bridge and approaches east of Edson.
- Whitemud and 178th Street bridge in Edmonton.
- Athabasca River Bridge at Hinton.

PUBLICATIONS

Mr. Tweedie has authored or co-authored papers on slope stability of a valley wall in southeastern Alberta, tailings retention dam design and construction and instrumentation and monitoring of tunnels for the Edmonton South Light Rail Transit Extension Phase II.

APPOINTMENTS

- Secretary of Edmonton Geotechnical Society 1984-85
- President, Tunnelling Association of Canada, Alberta Chapter 1988-89
- Principal and Director, Thurber Consultants Ltd.

EMPLOYMENT HISTORY

1976 – Present Senior Project Engineer and Principal, Thurber Group, Edmonton, Alberta.

1980 – 1981 Project Engineer, Golder Associates Pty Ltd., Sydney, Australia

- Mr. Tweedie was involved in several major projects including the geotechnical investigation for the feasibility of an oil shale mine development in Queensland, and detailed soils investigations for several solid and liquid waste disposal sites within metropolitan Sydney.
- Other assignments included foundation investigations for several railway bridges and various commercial, industrial and school buildings in N.S.W. Also numerous stability assessments for home lots along the slide prone coastal areas of Sydney were carried out.

THURBER

MILAN BUTORAC, P.Geol.

Senior Hydrogeologist

B.Sc. Geological Engineering, Major Hydrogeology. 1976
University of Belgrade

PROFILE

Mr. Milan Butorac is a hydrogeologist with 30 years of experience in Consulting Industry and Academia. His skills well complemented with rich field work experience are within physical hydrogeology, oil exploration, geophysical interpretation, and air photo and remote sensing geology interpretation. He has conducted and managed drilling and aquifer testing projects in a wide variety of applications, including environmental impact assessments, water supply wells, mine dewatering, and thermomineral waters. Mr. Milan Butorac has extensive experience in using different software for data management, mapping, analysis, and presentation.

A selection of assignments and skills are presented below.

Regional groundwater assessment and hydrogeology of Environmental Impact Assessment

- Designed and completed “Geological and Hydrogeological Foundation” project as part of regional research water supply study for Bosnia and Herzegovina.
- Designed and developed projects for regional groundwater assessment for counties in Alberta. Completed 18 projects between 1996 and 1999 for counties in central and east Alberta. The projects were completed for PFRA of Alberta.
- Collaborated in hydrogeology part of EIA project for Borealis-EnCana project and Black Gold KNOC project.

Pumping Well Testing

- Involved in hundreds of pumping tests in planning, preparations, executing, and monitoring. The most significant tests are;
  - Dewatering of coal mines Kostolac in East Serbia.
  - Testing of water supply wells in Visoko, Srebrenik, Bosanski Brod, and wells in Alberta
  - Testing of thermomineral wells in Sanski Most, Gata, and Kulasi.
  - Pumping tests of monitoring wells for Borealis-EnCana and project, Alberta.
  - Pumping tests of monitoring wells for Black Gold-KNOC project, Alberta.
  - Pumping tests and injection tests for Oil Sand Quest project, Saskatchewan.

Acid Rocks

- Completed field work and interpreting of laboratory test results of acid rocks in Glenore Creek Project in BC.

Air photo interpretation

- Completed air photo geomorfological interpretation with surficial geology interpretation as part of hydrogeological and geotechnical investigation:
  - Lineament interpretation for water well locating in tens of locations in South and Central Alberta during 1995 to 1998 year.
  - ATCO Electric Eastern Alberta HVDC Project,
  - HWY 35 Corridor Management Study, between HWY 2 and North West Territory,
  - Anzac WWTP-Phase 1 for Morrison Hershfield Ltd, and others.
  - HWY 16 Twinning, Clavet to HWY 937, Saskatchewan

Hydrogeological and geological mapping

- Conducted reconnaissance mapping and geological structural interpretation using photogeology and remote sensing methods;
  - Oil exploration project in Herzegovina. Energonafta's and Amoco's join project.
  - Oil exploration project in Posavina (North Bosnia). Energonafta's and ECL's (Henley on Thames, England) project.
- Conducted geological and hydrogeological mapping supported by geophysical interpretation:
  - Water supply of town Srebrenik, North Bosnia.
  - Water supply of town Bosanski Brod, North Bosnia.
  - Water supply of town Visoko, Central Bosnia.
  - Water supply of town Glamoc, South Bosnia.
  - Water supply of town Bar, Montenegro.
  - Thermomineral water investigation for the thermal springs of Gata (West Bosnia).
  - Thermomineral water investigation and water supply for the thermal springs of Sanski Most, West Bosnia).

Landfills and Cemetery

- Completed geology and hydrogeology study with pumping well tastings for the municipal landfills in Bonnyville, Lloydminster and Rocky Mountain House, and for Suncor-Firebag industrial landfill.
- Worked on the geology and hydrogeology backgrounds for the cemetery in the town of Slave Lake, Fort McMurray, and 6 town cemeteries in the Buffalo Wood Municipality.

Mining hydrogeology

- Worked as a team member of developing hydrogeological project for dewatering coal mines Kostolac in Serbia.
- Initiated and directed a hydrogeological project on investigating salt deposits for a salt mine Tetima in Bosnia.

Geological research

- Contribute as a team member in developing outburst-flooding theory.

Computer skills

- Highly skilled in use of various groundwater and other databases and oil well databases for creating topography, geology, hydrogeology and other types of maps.
- Skilled in use of standard programs as Word, Excel, Access, AutoCAD, and also highly proficiently use programs as Surfer, ArcView, Aquifer Test, Aqua Chem, Hydrogeological Analysis, Global Mapper and others.
- Skilled in the use of analytical software for pumping test and slug test analysis.
- Skilled in using Modflow software for hydrogeological modelling.

EMPLOYMENT HISTORY

- 2009 – Present Senior Hydrogeologist, Thurber Engineering Ltd.
- 2006 -- 2009 Senior Hydrogeologist, AMEC
- 2004 – 2006 Senior Hydrogeologist, Geowater Consulting:
- 1999 – 2004 Research Geologist, University of Alberta. Edmonton.
- 1995 – 1999 Hydrogeologist, Hydrogeological Consultants Ltd. Edmonton.
- 1989 – 1992 Staff Oil Geologist, Energonafta, Bosanski Brod, Bosnia and Herzegovina

THURBER

EMPLOYMENT HISTORY (CONTINUED…)

- 1984 – 1989 Staff Hydrogeologist, Institute for Technical Geology and Hydrogeology Civil
- Engineering Faculty, Sarajevo, Bosnia and Herzegovina.
- 1979 – 1984 Geology Project Engineer, Institute of Hydrogeology and Hydrotechnology Sarajevo, Bosnia and Herzegovina
- 1978 – 1979 Geology Engineer, Georad, IEK Kostolac, Serbia

PROFESSIONAL REGISTRATIONS

- Association of Professional Engineers, Geologists and Geophysicists of Alberta, member

THURBER

NIELS RASMUSSEN, P. Geo.
Project Geologist

Bachelor of Science (Geology) 2007
University of Alberta, Edmonton, AB

PROFILE

Mr. Rasmussen has 7 years of geotechnical and geological experience including conducting geotechnical investigations and desktop studies, managing drilling programs, managing laboratory testing, and logging and collecting soil and core samples. Mr. Rasmussen's experience includes provincial and private industry projects within Alberta.

Geotechnical Investigations

- Parioplan – Conducted a preliminary geotechnical desktop study including a geotechnical file review, review of surficial and bedrock geology, and air photo interpretation for the Onoway Industrial Area Structure Plan.

- Planning Alliance – Conducted a desktop geotechnical assessment including a geotechnical file review, review of surficial and bedrock geology and air photo interpretation for the Lac Ste Anne County/Mayerthorpe Inter-Municipal Development and Area Structure Plans.

- CIMA+ - Conducted a desktop feasibility study including a geotechnical file review and review of surficial and bedrock geology for a proposed Hwy 63 realignment east of Mildred Lake north of Fort McMurray.

- Al-Terra – Conducted a preliminary geotechnical desktop assessment including a geotechnical file review, review of surficial and bedrock geology, air photo interpretation and preliminary construction recommendations for the proposed Hwy 686 Athabasca River Crossing in Fort McMurray.

- Associated Engineering – Conducted a preliminary geotechnical desktop assessment including a geotechnical file review, review of surficial and bedrock geology, air photo interpretation and preliminary construction recommendations for the Caribou Energy Park Access Road east of Fort Mackay.

- RMWB Fort McMurray - Conducted a geotechnical desktop study and geotechnical investigation for the proposed Southwest Utility Corridor in Fort McMurray running from the Water Treatment Plant to the Southlands Development south of HWY 69.

- RMWB Fort McMurray – Conducted a desktop study including a geotechnical file review, review of surficial and bedrock geology, air photo interpretation and preliminary construction recommendations for a proposed water pipeline from Fort McMurray to Fort Mackay.

- RMWB Fort McMurray – Conducted a geotechnical desktop study including a geotechnical file review, review of surficial and bedrock geology, air photo interpretation and preliminary construction recommendations for the proposed Southlands Development (Urban Development Sub-Region Phase I).

- Sunrise County near Peace River – Conducted a desktop study and Development Setback Assessment for the Peace River, Heart River, Smoky River and Pats Creek valleys for future and existing residential developments.

- Alberta Transportation - Conducted a geotechnical investigation for the proposed HWY 63 Twinning from Syncrude to Fort Mackay.

- Alberta Transportation – Conducted a geotechnical investigation at the NC10 Embankment Failure Slide and the NC58 Embankment Failure Slide.

- Managed and implemented a geotechnical instrumentation program including installation of slope inclinometers, standpipe piezometers, settlement points and multipoint extensometers for the Edmonton North LRT Extension from the proposed Grant MacEwan Station to the existing Churchill Station.

- Completed field drilling for several geotechnical projects throughout Alberta.

SAFETY CERTIFICATIONS AND AFFILIATIONS

- CSTS, First Aid, Ground Disturbance Level II, H2S Alive.

EMPLOYMENT HISTORY

May 2013 – Present	Project Geologist, Thurber Engineering Ltd., Edmonton, Alberta
May 2007 – May 2013	Assistant Project Geologist, Thurber Engineering Ltd., Edmonton, Alberta.

Manager's Report

Function: **Community Services**

Submitted by: **Dennis Mueller, General Manager Community Services**

Date: **10/8/2015**

General Manager Community Services, Dennis Mueller

- The Community Service Department has been in contact with numerous community groups regarding their operational funding requirements for 2016, additionally communicating to the groups to submit a community grant application for any 2016 capital requirements. Response has been positive and supportive from the community groups with following the criteria.

- The Community Service Department Managers have been fully engaged in the 2016 Budget process and will bring forth some new and exciting initiatives for Council's consideration.

- The Community Service Department will be meeting with Willmore Wilderness Foundation to explore future partnership initiatives with Greenview.

- The Community Service Department has been communicating with a new doctor that will be arriving to set up his practice in Valleyview in the next 2 – 4 weeks.

- Community Services will be working with Fox Creek and Grande Cache regarding possible recreation agreements and will be developing an agreement regarding a capital Fire Hall project for Fox Creek.

- The Multiplex Construction Tenders were viewed and evaluated on October 6, 2015 by the Multiplex Project Manager and Administration from Greenview and the Town of Valleyview. The resulting recommendations were provided to the Multiplex Committee at the October 7, 2015 Multiplex Committee Meeting. A resolution from the Multiplex Committee regarding the recommendation for the

construction tender will be brought forth to the respective Greenview and Town Councils for consideration at their meetings during the week of October 12th.

Agricultural Services Manager, Quentin Bochar

- In the month of September Agriculture Administration has allocated the majority of time to budget preparation.

- Agriculture Administration attended the Alberta Lake Management Society Annual Workshop to further research the Alberta Wetlands Policy and the options available to Greenview.

- Agriculture Administration is currently researching the feasibility of facilitating a Provincial Wetlands Policy Education Session for members of Council, management and selected staff from Greenview and stakeholder representatives from the neighbouring towns.

- Spray program has completed 100% of this year's projected objectives.

- Weed inspection program is at 95% of this year's proposed objectives.

- ASB Workshops and Events:

    - Upcoming Working Wells Workshop in DeBolt November 5, 2015 at 18:30 hrs.

Green View Family and Community Support Services (FCSS) Manager, Lisa Hannaford

- On September 15th & 16th the HEART (a domestic violence initiative group) hosted presentations by Dr. Martin Brokenleg. Topics included: the Circle of Courage; Positive Youth Culture; Goals of Life; the Effect of Family Experience on Resiliency; Culture: Sameness and Difference and more. The event was held in two locations, Sturgeon Lake and Valleyview, and was sponsored by Green View FCSS and Valleyview Victims Assistance. The conference attracted more than 200 people. Participants came from Central and Northern Alberta, and as far away as Northern B.C. In addition to those guests, we had a terrific turn-out from within the community. Many local teachers, principals, social service workers and parents attended the conference. Dr. Brokenleg provided a wealth of information and gauging from the feedback, was a huge investment into the community.

- Computer classes have resumed and are hosted Thursday afternoons at the Community Resource Center. The first session began on September 24 with 12 people in attendance. Green View FCSS is fortunate to have these classes facilitated by a qualified and knowledgeable volunteer, Taylor Perron.

- The Justice Institute of British Columbia will facilitate three days of Emergency Social Services training in Valleyview on October 7th, 8th and 9th. Over 35 individuals from various municipal districts throughout the northwest will attend this training. The majority of the funding to host the event was provided through a provincial grant.

- The 3rd annual Older Adult information Day will be hosted at the Community Resource Center on October 16th. Guest speakers will cover topics such as: Senior Housing; Pensions and Benefits; Cardiac Health; Compass for the Caregiver and more.

- The next regularly scheduled FCSS Board meeting will take place on October 21st.

Protective Services Manager, Jeff Francis

- As per the 2015 Protective Services Capital Budget the Livestock Emergency Response Trailers have been ordered. As per Greenview policy, three quotes were received for the trailers with Fosters Covered Wagons of Grande Prairie submitting the lowest quote at $9,400.00 per trailer. The other quotes were from Quapp's of Grande Prairie at $10,125.00 each and SWS Trailers at $10,500.00 each. Protective Services and Agricultural Services are now working on the equipment to be placed into these trailers.

- Construction work continues on the DeBolt and Grovedale Fire halls. Most of the steel has been erected in Grovedale and the crew should be moving to DeBolt shortly. Most ground work has been completed in Grovedale and is now taking place at the DeBolt site. Paving at both sites has been put off until the spring season.

- Working on 2016 Operating and Capital Budgets for presentation to Council.

Recreation Services Coordinator, Adam Esch

- **Johnson Park Update**
  The formal application to Alberta Environment and Parks for a Non-Commercial Recreation Disposition Lease on Johnson Park has been submitted and is currently in the First Nations and Wildlife Consultation process, no additional issues are expected to arise from this process.

- **Dollar Lakes**
  The Alberta Conservation Association (ACA) has been notified of Councils approval to provide funding to the ACA for the purpose of establishing a legal survey as part of the Disposition Lease requirement. The survey is expected to be completed in the first few weeks of October.

- **Wilmore Wilderness Foundation**
  Recreation Services has been corresponding with the Wilmore Wilderness Foundation following their presentation to the Committee of the Whole on September 20th. Greenview Administration is currently working with the foundation on a funding request to Council to be brought forward during budget deliberations.

- **Fox Creek ATV Club**
  The Fox Creek ATV Club made a presentation and capital funding request to Council in September 2015. Greenview Administration is working with the club to develop a funding strategy which will be brought forward to Council during budget deliberations.

- **Swan City Snowmobile Club**
  The Swan City Snowmobile Club made a presentation and operational funding request to Council in September 2015. Greenview Administration is working with the club to develop a funding strategy which will be brought forward to Council during budget deliberations.

Economic Development Officer,

Meetings attended for the month of September include:

- Improved Access to Markets Strategy Building – The meeting was facilitated on September 10, 2015 by Lisa Houle, Manager Northwest Region – The Entrepreneurship & Regional Development Branch invited regional economic stakeholders to participate in a group discussion to collectively strategize towards creating solutions for the improvement of market access with the overall objective of overcoming the transportation challenges which is a roadblock in attracting primary industry to the region.

- Building Opportunity for Growth Meeting, September 30, 2015 – Stantec provided a presentation to the CAO and Economic Development Officer in delivery of their service expansion model with the objective of connecting their services to assist Greenview in garnering economic development and expansion initiatives going forward, especially in areas of value add energy project development and building connections to the market.

September included making connections with regional economic development partners to work towards collaboration and capacity building. These connections were made with City and County of Grande Prairie Economic Development, PREDA, Grande Prairie Regional Innovation Network, Canada Economic Development Initiative, Province of Alberta Investment and Entrepreneurship, Northern Alberta Development, Travel Alberta and Tourism Alberta. Contact with community leadership groups was conducted to familiarize with the area and acquire data analysis of the research gaps, ascertain an economic development strategy and marketing plan, as well as prepare cost estimates to determine feasibility for the recommended economic development projects proposed in the 2016 budget.

Manager's Report

Function: Corporate Services

Submitted by: Rosemary Offrey, General Manager, Corporate Services

Date: October 13, 2015

General Manager Corporate Services

ERP (Financial Software System) update; all functional areas are now live. Diamond staff copied Bellamy's financial information from 2010 to 2015 into the Diamond Great Plains Test Company, the Finance and Administration Manager and I checked the information. We discovered we needed to create a few more GLs in Diamond to capture all the information from Bellamy. Corporate Services EA took care of this for us and we are now waiting for Diamond to finish the General Ledger mapping, which will enable the successful copying of the Bellamy information into the Diamond Financial System. If all goes well, we should have the general ledger transaction approved to transfer to the Live Company by the middle of October. Once that has happened we will be able to gather reports directly from Diamond Great Plains.

We are continuing the configuration of the WorkTech Modules for Fixed Assets, this should be completed by the end of October.

Corporate Services staff continue to configure the Questica Budgeting module. When the configuration has been completed in early 2016 we will start to copy the 2016 to 2018 budget information into the Questica system. This will be completed by the Executive Assistant. IT is creating another Server to host the Paramount Purchase Order system and the Virtual City Hall Module. These modules will go live early January 2016. With that in mind there will be training provided to all affected staff members.

As Council is no doubt aware, Administration has been busy reviewing 2015 budget to actual expenditures and creating the 2016 to 2018 proposed budgets for Council's consideration. The proposed department budgets were reviewed by the CAO during the week of October 5 to 9. He will have tweaked some of the proposed budgets before they are sent to Council.

I have asked CAO/Council Executive Assistant to schedule the Proposed 10 Year Capital Plan presentation and discussion for October 19th. During the 10 Year Capital Plan review we are looking to Council to provide direction regarding which of the proposed projects Council wishes Administration to prioritize for 2016 to 2018. This will be an all-day event and will be held in the Council Chambers.

Administration is also preparing budget presentations to Council for December 1st and 2nd. Again, please keep in mind that this is Council's opportunity to provide input and direction to Administration regarding the budget operational expenditures and the capital projects.

Finance & Administration Manager, Donna Ducharme

Greenview's Finance & Administration manager has been heavily involved in the WorkTech and Diamond configuration, reviewing general ledger information and training as well as insuring new vehicles and equipment. She has been checking many receipt and accounts receivable batches in preparation for being able to post them in the new ERP system. End of October!

Finance Reporting Manager, Bill Yusep

Greenview's reporting manager has completed the WorkTech Fixed Asset data base structure Spreadsheets for the configuration of the WorkTech system. This includes (Group IDs, Type IDs, Class IDs, Profile IDs, etc.). He completed the WorkTech Fixed Asset audit and balance to transfer files for download from Bellamy into WorkTech database. Participated in Management Reporter training in Dynamics Great Plains and financial report development workshops with onsite Diamond consultant. He is working on compiling the September Budget to Actual numbers for the managers. As well has his daily activities and assisting managers/supervisors with budget to actual inquiries in preparation for their 2016 budget revisions.

Human Resources, Sandra Rorbak

The following positions have been filled since last month's report: Roads Coordinator (West) and the Assistant Manager, Environmental Services. All within Infrastructure and Planning Department.

Open competitions include Equipment Operator/Truck Driver (Grovedale – I position – competition on hold), Admin Support, Casual – Grande Cache, Admin Support, Casual – Grovedale, as well as Utilities Operator (2) positions) and the FCSS Coordinator – Youth position.

No resignations since the last report.

Information Systems, Shane Goalder

During the month of September our IS Technician has arranged and oversaw the moving of the computer equipment and internet to the new Grovedale Office and Workshop. PCIT worked with the IS Technician to ensure the systems were operational in a reasonable timeframe.

He participated in the corporate services road trip/team building retreat to Grande Cache. Due to a municipal vehicle being broke into in the Operations Building back parking space, he reviewed the security camera footage to try and provide helpful information to the investigation. The footage was too vague to be of any assistance. As such, the Facilities department will be upgrading the security cameras to ensure a better quality picture.

The IS Technician assisted the FCSS team with audio/visual equipment setup for the Sturgeon Lake and Valleyview Community Hall Heart Conference. He has been busy meeting with the different departments to determine the IT needs for the upcoming budget years. As usual, he takes care of the organization's IT bugs.

August has been a busy month for our IS Technician. He has set up new users with the required electronic tools. We had an internet virus infection on the server that affected staff computers, he had to recover the data to the Fileserver and the GIS server. Greenview's SharePoint was upgraded from 2010 to SharePoint 2013 via PCIT. He assisted staff with various office moves in relation to the IT equipment. PCIT installed WIFI Access point in various Greenview Valleyview building locations. Oversaw the installation of communication lines (telephone, internet) for the new Grovedale Workshop. Purchased IT equipment for the Grovedale Workshop. Also arranged to have Uninterruptible Power Supply (UPS) equipment replaced at the Valleyview locations, this will be completed over the next week or so. Of course he also assisted other staff IT needs on a daily basis.

Manager's Report

Function: **Infrastructure & Planning**

Submitted by: **Grant Gyurkovits, General Manager Infrastructure & Planning**

Date: 10/13/2015

General Manager, Infrastructure & Planning, Grant Gyurkovits

- Met with Greenview Developers and Residents.
- Attended Assistant General Manager Interviews.
- Attended Alternative Dispute Resolution Meeting with Alberta Energy Regulator.
- Review budgets with all departments.

Manager Construction & Maintenance, Kevin Sklapsky

- Huckleberry Tower Road – Re-scheduling work with contractor due to inclement weather conditions and local contractor work conflicts. We have been in contact with the contractor and sounds like he should be able to complete the work mid to late October. If the contractor does not become available we will use forces from Valleyview area with goal of having it completed by October 31st.
- RR 230 – Contractor has the last kilometer of road constructed to the end with the bottom lift of gravel completed. Contractor will be graveling top lift and finishing approaches and intersections. It is anticipated that the contractor will have remaining trimming and cleanup work completed within 2 weeks, if weather permits.
- Old High Prairie Road – Landowners have been contacted again by land agent. Staff have met with landowners and are waiting for their decision on selling the needed land for widening of Right of Way.
- GV completed the land acquisition for the needed Hwy 49 / Old High Prairie Road alignment for a 90 degree intersection in early October.
- Township. 690 – Project is close to completion with grading and final gravelling underway. It is anticipated that the contractor should be finished final cleanup and trimming by October 15th if weather permits.
- Road Requests – The grading of the residential road South of Valleyview is completed and final fencing is underway with erosion protection works to commence once materials arrive.

- Gordey Drainage – The contractor has been working on deficiencies, final cleanup as per contract and design. We have been in contact with the concerned residents and are awaiting on list of conditions.
- 11 Mile Road – Deficiencies are complete and awaiting final paperwork from contractor and consultant.
- Forestry Trunk Road Improvements
    - Km 50-70 work - The road improvements have been going well but have been slowed due to inclement weather. With 15 km's of reconstructed road completed between km 50 & 70. GV will be concentrating on trying to finish up what they are working on with only small sections being opened up until winter shutdown.
    - Km 9 Simonette Hill Improvement – Work has been going quite well, with a lot of material moved since we started. We will not be breaking into the existing road grade on the hill this year. We are in the process of getting the site ready for the winter and preparing the site for snow storage and spring runoff with the installation of erosion protection measures.
    - The future roadside turnouts will also be prepared for winter use under frozen conditions ONLY and will be closed prior to spring break up.
    - Km 20 Economy Creek Hill Slide – The proposed realignment is currently being designed and will be ready for construction phase in 2016. The existing slide area will be reshaped this fall to close up the cracking and help prevent water penetration.
- Bridges – scheduling level 2 coring on 2 bridge structures. This will determine if GV proceeds with repairs or fully replaces the structures. GV will need to know the test results for budgetary purposes for 2016.
- Bridge Maintenance – Consultants are working on a 2015 winter bridge maintenance contract.
- Young Point Road – project completed. Contactor has returned in early October to do another round of sweeping to brush off loose chips.
- Grovedale Fire Hall Road – road completed and gravelled.

Supervisor, Facility Maintenance, Alfred Lindl

- General Maintenance, complete issues of our Maintenance Task List.
- Monthly check on Generators, Floor drains, Filter's, Sumps.
- Maintaining Campgrounds.
- Administration Building
    - Finished on Oct.20/15 with the Office Renovations included installation of new Furniture.
    - Replaced the second sump pump and alarm floats in the mechanical room.
    - Finished the concrete work at front entrance with a new handicap ramp and new stairs.
- Field Service Office
    - Generator installation is in progress, we are using the Gen-Set from Ridgevalley.
    - The Reno of the old Chemical Shed is 80% completed, it can be used as a cold Storage room for the Agriculture Service and Facility Maintenance Departments during the winter season.
- New Grovedale Shop: Installation of some small items such as safety board, safety signage, first aid kits were completed.
- Started fencing the new property purchased by GV south east of the Grovedale works yard.

Manager Operation, Gord Meaney

East Sector

- Re-gravelling program is complete.
- Brushing crew is presently working North of Debolt.
- Mowing crew is now in the Puskwaskau and Sunset House areas.
- Culvert repairs and/or replacements are almost completed with only a couple left to do.
- Signage is presently being installed throughout the sector.
- Both the Valleyview and 8 Mile stockpile sites have been secured with new gates.
- GV is applying a new stabilization and dust control product on the road, purchased from **Verdechem** from DeBolt.
- GV's winter supply of sand and salt materials have been mixed and stored.

West Sector

- The re-gravelling program is complete.
- The calcium chloride application on the FTR is now complete.
- GV's winter supply of sand and salt materials have been mixed and stored.
- Regular maintenance such as culvert repairs, replacement, and signage are ongoing.
- The purchase of the land southeast of the existing Grovedale works yard was finalized and fencing has started.
- The Grovedale Shop has been signed over to Greenview with the Grand Opening scheduled for October 16th, 2015.

Manager Environmental Services, Gary Couch

- We have been diligently working on both operational and capital budgets. Finalizing numbers on capital projects for the next three years.
- New Assistant Managers of Environmental Services started October 5th, 2015. Donna will be a huge asset to the department in the coming months and years. Her primary role will be working in water and wastewater to streamline operations and efficiency of Water plants and Water points.
- Preparing for the annual release of all Greenview Wastewater Lagoons with the exception of Grovedale as its storage capacity is very large and isn't expected to be full until late 2016 or 2017.
- Reviewing multiple Development Applications as they come in and noting concerns where applicable to Environmental Services.
- Recently attended Banff Recycle Conference in conjunction with the Canadian Stewardship with the Supervisor of Solid Waste. It was a great networking opportunity with a variety of innovative ideas and programs.
- Will be working on updating policies and procedures in upcoming months.
- Working on Local Improvement Bylaw for the Little Smoky Distribution system.
- We have completed all the new E-Waste sheds for a number of Transfer Stations and expect the **Take it or Leave it** buildings to be completed by November 2015 for DeBolt and Sunset House.

Manager Planning & Development, Sally Rosson

- The Land Use Bylaw Review: Planning Staff met with Urban Systems on September 22, 2015 to discuss the review process and highlighted on the necessary revisions including the public engagement process. Staff are continuing to work with Urban Systems on arranging public engagement at the Valleyview Farmer's Market on October 15, 2015.

- The Grovedale Area Structure Plan Review: Conference call was held with Scheffer Andrew on September 21, 2015 for the Grovedale Area Structure Plan review. On September 30, 2015 Planning Staff and Luis Esteves, Senior Planner for Scheffer Andrew toured the Grovedale area and highlighted some of the areas where the current Plan needs to be addressed to possibly meet future needs for the area. Arranging public engagement during the Open House for the Grovedale Shop on October 16, 2015.

- The regular MPC Meeting is scheduled for October 14, 2015 in which Planning Staff will be working on Agenda preparation and finalizing inspections.

- Sign Strategy Report has been prepared and will be considered by Council.

- As of October 5, 2015, we have received: 35 Subdivision Applications; 14 Land Use Amendment Applications; 69 Lease Referrals; 8 Business Licenses; and 225 Development Permit Applications.

- Contractor has been confirmed for the Grande Cache Rural Addressing for signage installation; awaiting receipt of signage order.

- Municipal Affairs will contact us when they have confirmed a scheduled training date for Subdivision & Development Appeal Board (SDAB).

- Planning & Development Staff will be contacting several municipalities to review and update Greenview's current Planning Process (Detailed Steps for Developers) for multi-parcel, industrial and commercial requirements prior to November 15, 2015.

CAO's Report

Function: **CAO**

Date: **October 13, 2015**

Submitted by: **Mike Haugen**

Urban Infrastructure Assessments
These assessments are currently being drafted and will be sent to the Towns for additional information to be added. The process has been delayed due to the several arising issues occupying my time as well as the budget review process. This project will be made a priority.

Budget Review
Staff are working on budget preparation for the years 2016, 2017, and 2018. This is a time consuming process and is currently occupying the majority of my time since the last report.

Community Development Initiative (CDI) Funding
Cheques have been requisitioned for CDI funding to be sent to the Towns of Grande Cache, Valleyview, and Fox Creek. These will be sent once relevant reporting has been received from the Towns. Community Services is communicating this presently. Greenview's Communications staff will also work to arrange a cheque presentation and photo opportunity.

Municipal Intern
Greenview was contacted by Tanner Watt, the Municipal Intern currently working from Spruce Grove. Mr. Watt inquired if he could visit Greenview for a day or two to see the workings of a rural municipality.

Mr. Watt was in Greenview last week and was able to spend time with various Managers and Staff, visit a couple of sites in the DeBolt area, and sit in on part of internal budget presentations.

Upcoming Dates:

AAMDC Fall Convention:	November 16th-18th