

Policy & Priorities Committee Agenda

May 2, 2017

9:00 a.m.



ROCKY VIEW COUNTY
Cultivating Communities
911 – 32 AVENUE NE
CALGARY, AB, T2E 6X6

CALL MEETING TO ORDER

UPDATES/ACCEPTANCE OF AGENDA

A CONFIRMATION OF MINUTES

- April 4, 2017 Minutes

Page 2

B REPORTS

- None

C APPOINTMENTS

MORNING APPOINTMENTS

9:00 A.M.

1. Division 4 – File: 6070-175

Bow Valley Ag Society Expansion Committee Presentation – Board Update

Presenter: Marilyn Gosling and Dave Place

Staff Report

Page 5

Presentation

Page 6

D GENERAL BUSINESS

1. Division 5 – File: 4060-225

Chestermere Proposed Sanitary Force Main

Presenter: Mr. Stephen Dawe, CIMA

Staff Report

Page 16

Presentation

Page 30

E BYLAWS

- None

F UNFINISHED BUSINESS/BUSINESS ARISING

- None

ADJOURN THE MEETING

ROCKY VIEW COUNTY
POLICY AND PRIORITIES COMMITTEE
April 4, 2017

Page 1

A regular meeting of the Policy and Priorities Committee of Rocky View County was held in Council Chambers of the Municipal Administration Complex, 911 – 32nd Avenue NE, Calgary, Alberta on April 4, 2017 commencing at 9:00 a.m.

Present:	Division 4	Councillor R. Ashdown (Chair)
	Division 8	Councillor E. Lowther (Vice Chair) (Absent)
	Division 9	Councillor B. Kendall
	Division 1	Councillor L. Breakey
	Division 2	Councillor J. Arshinoff
	Division 3	Councillor M. Bahcheli
	Division 5	Deputy Reeve E. Solberg
	Division 6	Reeve G. Boehlke
	Division 7	Councillor L. Habberfield (Absent)

Also Present:

- K. Grieg, County Manager
- K. Robinson, General Manager, Corporate Services
- C. O'Hara, General Manager, Development Services
- B. Riemann, General Manager, Infrastructure & Operations Services
- A. Keibel, Manager, Legislative & Legal Services
- C. McCullagh, Manager, Recreation & Community Services
- J. Fleischer, Supervisor, Agricultural Fieldman
- S. De Caen, Recreation & Community Services
- K. Smigelski, Agricultural Services Officer
- L. Poile, Agricultural Services Officer
- A. Stewart, Agricultural Services Officer
- N. Parkinson, Legislative Clerk

Call to Order

The Chair called the meeting to order at 9:02 a.m. with all members present, with the exception of Reeve Boehlke.

1-17-04-04-01

Updates/Acceptance of Agenda

MOVED by Deputy Reeve Solberg that the April 4, 2017 Policy and Priorities Committee agenda be approved.

Carried
Absent: Reeve Boehlke
Councillor Bahcheli

1-17-04-04-02

Confirmation of Minutes

MOVED by Deputy Reeve Solberg that the March 7, 2017 Policy and Priorities Committee meeting minutes be approved as circulated.

Carried
Absent: Reeve Boehlke
Councillor Bahcheli

Reeve Boehlke arrived at 9:03 a.m.

1-17-04-04-03 (C-1)

All Divisions – 2017 Regional Recreation Funding Applications

File: 6070-150

Presenter(s): Christine Pennell, Springbank Park for All Seasons, President
Robin Mitchell, Spray Lake Sawmills Family Sports Centre, General Manager

Councillor Bahcheli arrived at 9:10 a.m.

MOVED by Councillor Kendall that the funding request for Springbank Park For All Seasons in the amount of \$320,000 be recommended to Council for approval; that the funding request for Springbank Park For All Seasons in the amount of \$80,000 be recommended to Council for approval; that the funding request for Spray Lake Sawmills Recreation Park Society in the amount of \$141,950 be recommended to Council for approval.

Carried

The Chair called a recess at 9:18 a.m. and called the meeting back to order at 9:27 a.m. with all previously mentioned members present.

1-17-04-04-04 (C-2)

All Divisions – Regional Classification for the Langdon Joint Use Lands

File: 6070-150

MOVED by Councillor Kendall that Community Recreation Funding Policy 317 be amended as per Attachment B to classify the Langdon Joint Use site as a regional recreation facility.

Carried

In Favour

Councillor Bahcheli
Councillor Breakey
Councillor Arshinoff
Deputy Reeve Solberg
Councillor Ashdown
Councillor Kendall

In Opposition

Reeve Boelkhe

The Chair called a recess at 10:22 a.m. and called the meeting back to order at 10:32 a.m. with all previously mentioned members present, with the exception of Deputy Reeve Solberg.

1-17-04-04-05 (C-3)

All Divisions – 2016 Agricultural Service Board Annual Report

File: 1021-100

Deputy Reeve Solberg returned at 10:33 a.m.

MOVED by Councillor Kendall that the 2016 Agricultural Service Board Annual Report be received for information.

ROCKY VIEW COUNTY
POLICY AND PRIORITIES COMMITTEE
April 4, 2017

Adjournment

MOVED by Deputy Reeve Solberg to adjourn the April 4, 2017 Policy and Priorities Committee meeting at 10:55 a.m.

Carried

CHAIR

CAO or Designate



RECREATION AND COMMUNITY SERVICES

TO: Policy & Priorities Committee
DATE: May 2, 2017 **DIVISION:** 4
FILE: 6070-150
SUBJECT: Bow Valley Ag Society Expansion Committee Presentation – Board Update

¹ADMINISTRATION RECOMMENDATION:

THAT the Bow Valley Ag Society Presentation be received as information.

EXECUTIVE SUMMARY:

The Society Executive has requested the opportunity to update the Policy & Priorities Committee on the Indus Recreation Centre Expansion Project which need was first identified in 2006.

BACKGROUND:

Marilyn Gosling and Dave Place will be in attendance to update Policy & Priorities Committee on improvements to their expansion plans for ‘twinning the ice’. The Board appeared before the Committee last June.

The 2006 North Bow Facility Feasibility Study and 2009 District Master Plan both recommend that arena expansion occur in Indus. These recommendations are consistent with best practice for facilities planning i.e. economies are achieved when similar facility components are grouped together.

DISCUSSION:

Although seventeen ice sheets are available to County residents, only Bow valley Agricultural Society provides ice exclusively for County participants in minor sports. The reclassification of Chestermere to district status means that ice service provision for County residents for the southwest quadrant of the County naturally falls to the Indus Recreation Centre.

As there is no opportunity for municipal cost sharing, a County commitment of support to the project is vital to capital fund raising success. Administration and the Bow North Recreation Board are in the process of updating its district needs assessment to advise Council as to appropriate recreation development in Langdon.

OPTIONS:

Administration recommends Option #1.

Option #1 THAT the Bow Valley Ag Society Presentation be received as information.

Option #2 THAT the Policy & Priorities Committee provide alternative direction.

Respectfully submitted,

Concurrence,

“CHRIS O’HARA”

“KEVIN GREIG”

General Manager, Development Services

County Manager

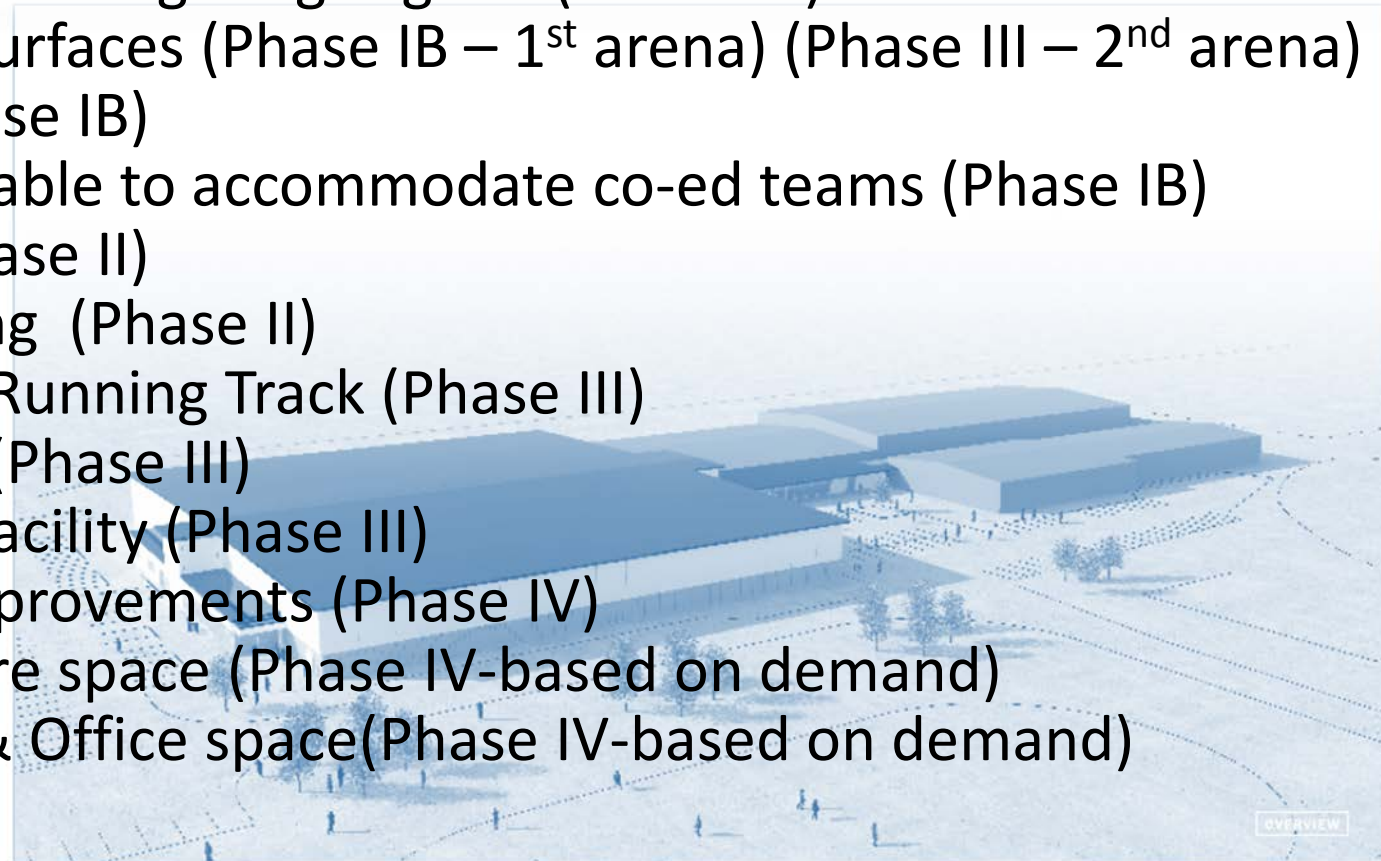
CM/rp

ATTACHMENT ‘A’ : PowerPoint Presentation

¹ Administration Resources
Corwin McCullagh, Recreation & Community Services

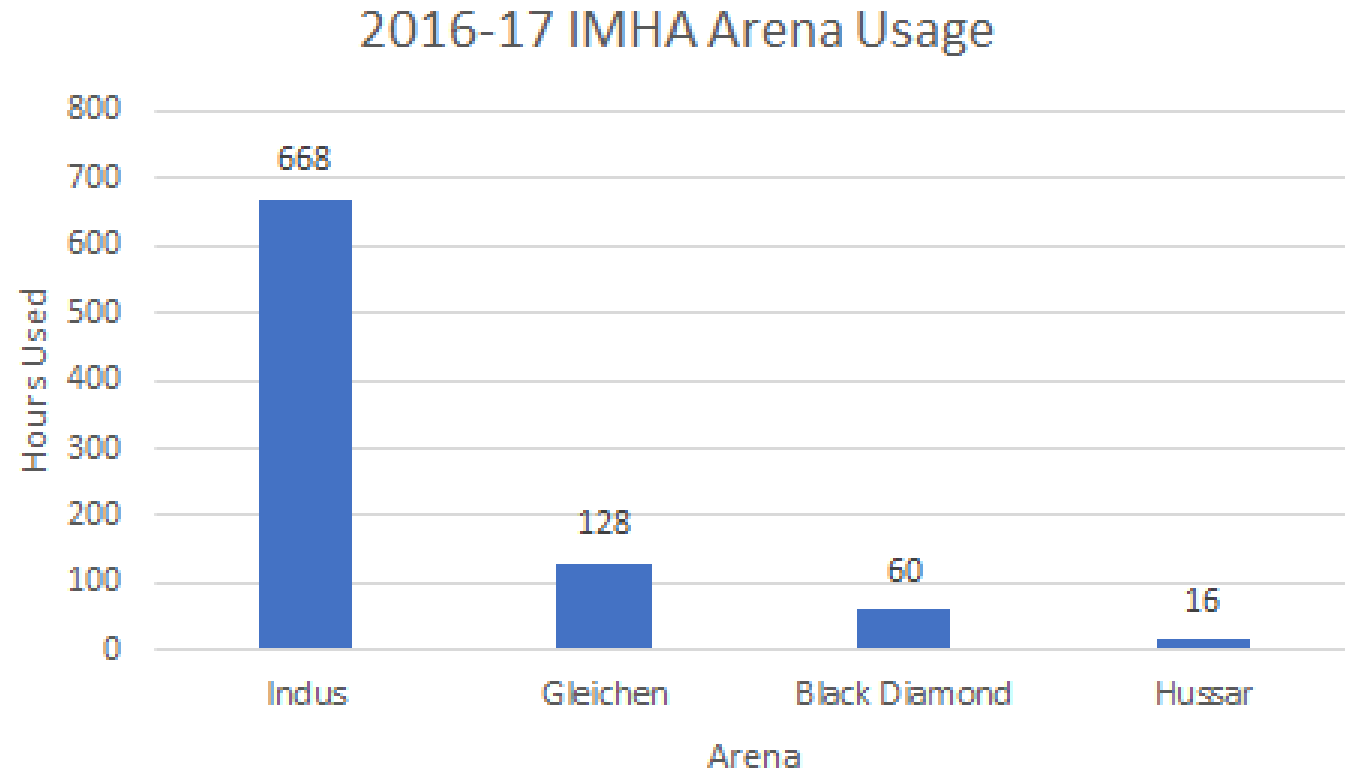
Bow Valley Agricultural Facility Expansion – Indus Recreation Centre

- Expansion of the existing Indus Recreation Center includes:
 - Storm Drainage / Firefighting Lagoon (Phase IA)
 - 2 NHL sized ice surfaces (Phase IB – 1st arena) (Phase III – 2nd arena)
 - Washrooms (Phase IB)
 - Dressing Rooms able to accommodate co-ed teams (Phase IB)
 - Seating Area (Phase II)
 - Additional Parking (Phase II)
 - Weight Room & Running Track (Phase III)
 - Meeting Rooms (Phase III)
 - Link to Existing Facility (Phase III)
 - General Sight Improvements (Phase IV)
 - Retail Sports Store space (Phase IV-based on demand)
 - Physio Therapy & Office space(Phase IV-based on demand)



Growth in Minor Sport Usage

- Since 2013 our Indus Minor Hockey Association has increased from 12 teams to 18 teams.
- Since 2013 our Indus Lightning Ringette Association has increased from 5 teams to 8 teams. They have also added an age group.
- Indus Figure Skating Club has 107 members(27 figure skaters and 80 Canskate members) This is an increase of 50% this year for Canskate numbers.
- Banquet Hall rental-Monday through Thursday from approximately 5-9 is locally rented. New: Pickleball, Rollerderby, 4H and minor sport dryland sessions.



2016 – 17

IMHA 2016-17 Ice Rental

2016-17 Ice Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
6:45-8:45 am IMHA						6:45- 7:45 am IMHA- Indus Ringette (bi-weekly)
9-10 am Indus Ringette						7:45- 8:45 am IMHA- Indus Ringette (bi-weekly)
10:15-11:15 am IMHA- Indus Ringette (bi-weekly)	4:15- 6:15 pm IFSC	4:00- 8:15 pm Indus Ringette	4:15- 7:00 pm IFSC/IFSC Canskate	4:15 -9:45 pm IMHA	2:45- 5:45 pm IFSC/IFSC Canskate	9:00 - 11:30 am Indus Ringette
11:30 am - 7:30 pm IMHA	6:15- 8:15 pm IMHA	8:30-10:45 pm IMHA	7:15- 8:15 pm IMHA		5:45-6:45pm Public Skate	11:45 am -7:30 pm IMHA
7:45- 9:00 pm Puckaneers	8:30- 9:30 pm Blue Herrons		8:30- 9:30 pm IMHA- Ringers Ladies Ringette (bi-weekly)		7:00- 9:30 pm IMHA	7:45 -9:00 pm Turbo Guzzlers
9:15-10:30 pm Orica	9:45- 11:00 pm Coyotes		9:45- 11:00 pm Retreads	10-11:00 pm Agrium	9:45-11:00 pm Woodies	9:15- 10:30 pm Shothawks
						10:45- 12:00 pm Night Sticks

Indus Minor Hockey
Indus Minor Ringette
Indus Figure Skating Club
Alternates weekly between groups
Local Adult Teams

Community Growth

Rocky View County Population by Division				
Division	2006 Population	2013 Population	Difference	7-Year Average Annual Change
1 Southwest Rocky View County; Bragg Creek	2653	2543	- 4.2%	- 0.6%
2 Springbank	2919	3115	+ 6.7%	+ 1%
3 Elbow Valley	5420	5778	+ 6.6%	+ 0.9%
4 Southeast Rocky View County; Langdon; Dalemead; Indus	4167	6579	+58%	+8.3%
5 East Rocky View County; Conrich; Dalroy	3906	4342	+ 11%	+ 1.6%
6 Northeast Rocky View County; Kathryn; Keoma	2454	2808	+ 14%	+ 2%
7 North central Rocky View County; Balzac; Madden	3367	3467	+ 3%	+ 0.4%
8 Bears paw	4237	4826	+ 14%	+ 2%
9 Northwest Rocky View County, Cochrane Lake	3738	4597	+ 23%	+ 3.3%
Total	32,861	38,055	+ 15.8	+ 2.26%

Benefits of Indus Recreation Centre

✓ Designated Land Available, Appropriately Zoned & Accessible
✓ Local Population Driving Demand
✓ BVAS has 40+ years of Proven Management
✓ BVAS has Agricultural & Charitable Status
✓ Project Plan in Place – studies, designs & budgets
✓ Blended Operating Cost Savings
✓ Supports Family Logistics
✓ Committed to Community Service
✓ Support from RVSD for Hockey Option
✓ Successful ice arena operations

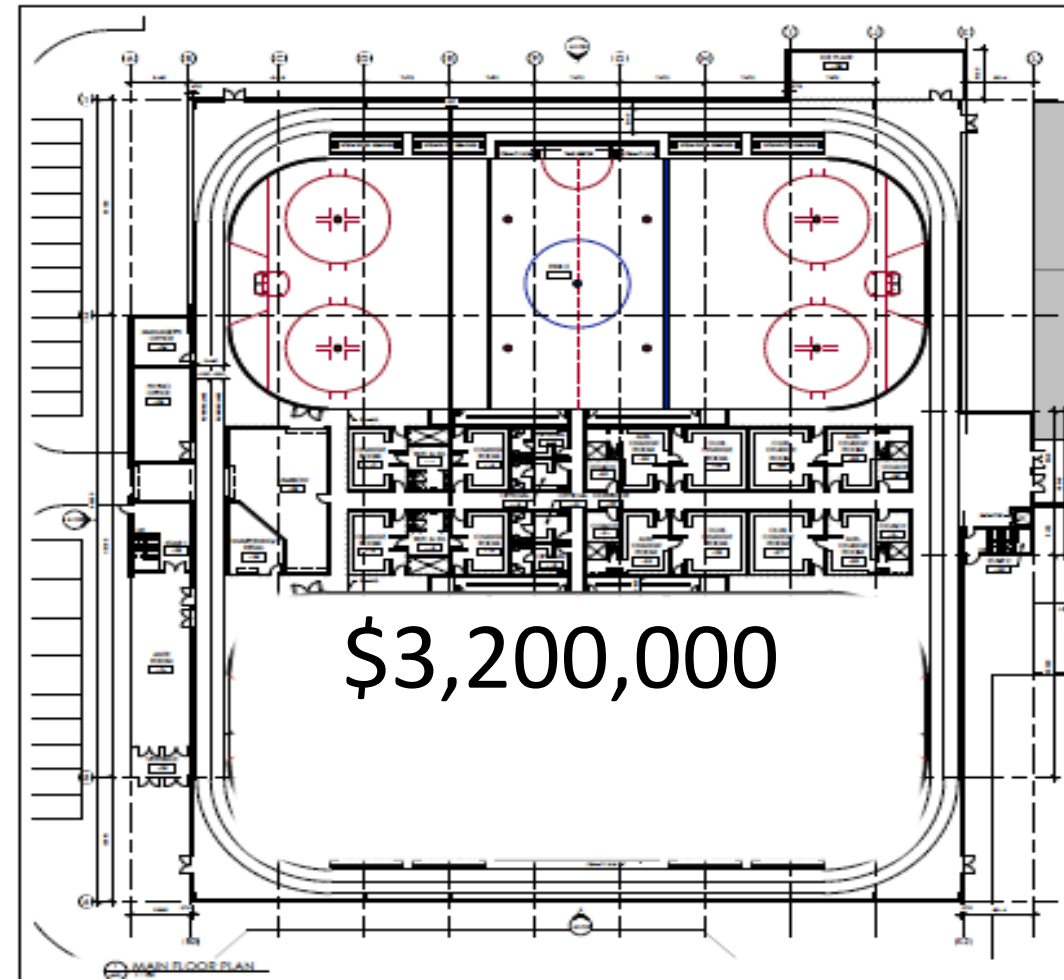
Overview of Phase I

Phase IA Phase IB

Development Permit Process

- Relocation of Existing Amenities
- Relocation/ Upgrade of Utilities
- Construct Storm Water Collection & Emergency Fire Suppression
- Onsite Septic Expansion
- Site Stripping & Contouring

Construct Expanded Building to Include 1st Ice Surface with Dressing Room & Amenities





Fundraising to Date

- To date we have raised \$1,000,000 toward phase 1
- Discussion with Potential Donors for amounts of \$100,000 and \$50,000
- We have spent \$350,000 on design, engineering, refridg. piping, boards and dirt work
- Seeking municipal, provincial and federal grants to support the project
- Would like to consider options such as debt to finance this expansion after our success with our debt management on 1994 expansion with corporate fundraising being at an all time low.



Steps to Go Forward

- Reclassification under amended Policy 317 as we meet the criteria to be a Regional Facility
- Approval from the Rocky View County and related boards to proceed
- Complete signing of Sublease with BVCC
- Begin phased approach with site work to reduce any downtime of facility operations
- Finalize fundraising and grant submissions to complete Phase I

SUMMARY

As vanguards of the Indus Recreation Centre, the BVAS is proud to serve the residents of the Bow North Recreation Board. It is our goal to remain an intrinsic, vital part of our growing community.

For the past 40 years, the BVAS & RVC have been successful partners prudently and responsibly operating the Indus Recreation Center. As AAAS Members in good standing our track record demonstrates that we are competent to fiscally sustain growth and development. We thank RVC for their ongoing support and guidance.

Moving forward requires approval from Rocky View County, Bow North Recreation Board and fundraising. Timely phasing of the project allows us to reduce downtime of facility operations and therefore protect revenues. Our phasing plan has taken all of this into consideration.

We trust Council to provide their unfettered support as we continue to develop a valuable municipal asset for the residents of SE Rocky View.

ENGINEERING SERVICES

TO: Policy & Priorities Committee
DATE: May 2, 2017 **DIVISION:** 5
FILE: 4060-225
SUBJECT: Chestermere Proposed Sanitary Force Main

¹ADMINISTRATION RECOMMENDATION:

THAT the Policy & Priorities Committee recommend Council to:

- a) approve the use of Township Road 240 Right of Way East of 84th Street to Range Road 284 for a new utility alignment for a Sanitary Force Main owned and operated by Chestermere Utilities Inc. conditional on Chestermere Utilities Inc. installing a stormwater force main on the County's behalf between 84th Street and Range Road 285;
- b) direct Administration to continue to work with Chestermere Utilities Inc. to determine the final alignment of the new sanitary force main within the Township Road 240 Right of Way to the satisfaction of the County; and
- c) request that Administration collect all applicable Master Rates fees be paid by Chestermere Utilities Inc. and City of Chestermere.

EXECUTIVE SUMMARY:

The City of Chestermere via Chestermere Utilities Inc. (CUI) has requested that the County authorize the use of Township Road 240 from East of 84 Street to Range Road 284 for the installation of a new Sanitary Force Main to service Chestermere sanitary flows to the City of Calgary. County Administration has assessed proposed alignments for the installation, and have determined that installation within the road allowance is the best routing option for the utility. Administration will continue to work with CUI on the final alignment.

Mr. Stephen Dawe from CIMA is in attendance to make a presentation to Council in regards to this matter on behalf of the City of Chestermere and CUI.

Administration Recommends **Option #2**.

BACKGROUND:

Policy #436 states that the placement of utility lines of a length greater than 800 meters within municipal road allowances or within the boundaries of a driving surface shall require the prior approval of County Council (Policy statement #4).

The City of Chestermere is provided water and wastewater servicing from the City of Calgary.

Currently, Chestermere operates a 450mm and a 250mm sanitary force main, although the 250mm line is only permitted to be used in times of emergency and when it would not impact the City of

¹ **Administration Resources**
Rick Wiljamaa, Engineering Services
Armando Rizzo, Road Operations



Calgary's operations. Currently the 450mm force main is located within the Road Right of Way of Township Road 240 and may remain in addition to the new proposed force main.

The City of Chestermere's wastewater system is currently exceeding the standards and guidelines set out by Alberta Environment in terms of flow capacity for the 450mm force main. This requires the City of Chestermere to construct an additional force main to Calgary to increase flow capacity and service its future growth.

The City of Chestermere/CUI and RVC have been in communication regarding building of a sanitary force main servicing Chestermere through Township Road 240 since 2009. The project was put on hold multiple times in the past by Chestermere. However, the new lift station, Lift Station 13, was completed in 2016 which is intended to discharge into the new proposed line to City of Calgary.

The County, as part of the negotiations with the City of Chestermere and CUI has requested that stormwater force main be installed between 84th Street and Range Road 285 at the same time that they are completing the sanitary force main. The new stormwater force main would be utilized by the County as part of the overall stormwater system that will service the Janet Area Structure Plan and will allow the County to evacuate water from trap low areas in emergency or during off irrigation season to better protect the road base of Township Road 240 and surrounding properties. The installation of the new stormwater force main would be completed as part of their program.

Administration has worked cooperatively with CUI to review all potential alignments and is now recommending to Council that CUI be permitted to use Township Road 240 for a new utility alignment.

The Mayor of the City of Chestermere has sent in a formal request to the Reeve explaining the need for the new proposed force main and requesting the ability for CUI to present to the Policy and Priorities Committee.

BUDGET IMPLICATION:

Use of road allowance for utilities other than County Utilities which are greater than 800m in length requires a \$300/km/yr fee to be paid by the Utility. Chestermere Utilities has been made aware of this and has agreed to pay the fee on an annual basis. In this case this would equal an annual payment from CUI to the County of \$960/yr.

OPTIONS:

- Option #1 THAT the presentation from CIMA/Chestermere Utilities Inc. be received for information.
- Option #2 THAT a recommendation be forwarded to Council to:
- a) approve the use of Township Road 240 Right of Way East of 84th Street to Range Road 284 for a new utility alignment for a Sanitary Force Main owned and operated by Chestermere Utilities Inc. conditional on Chestermere Utilities Inc. installing a stormwater force main on the County's behalf between 84th Street and Range Road 285;
 - b) direct Administration to continue to work with Chestermere Utilities Inc. to determine the final alignment of the new sanitary forcemain within the Township Road 240 Right of Way to the satisfaction of the County; and
 - c) request that Administration request all applicable Master Rates fees be paid by Chestermere Utilities Inc. and City of Chestermere

- Option #3 THAT Policy and Priorities Committee recommend to Council to refuse the use of Range Road 240 for a new utility assignment for Sanitary Force Main for Chestermere Utilities Inc. and the City of Chestermere.
- Option #4 THAT alternative direction be provided.

Respectfully submitted,

Concurrence,

BYRON RIEMANN

KEVIN GREIG

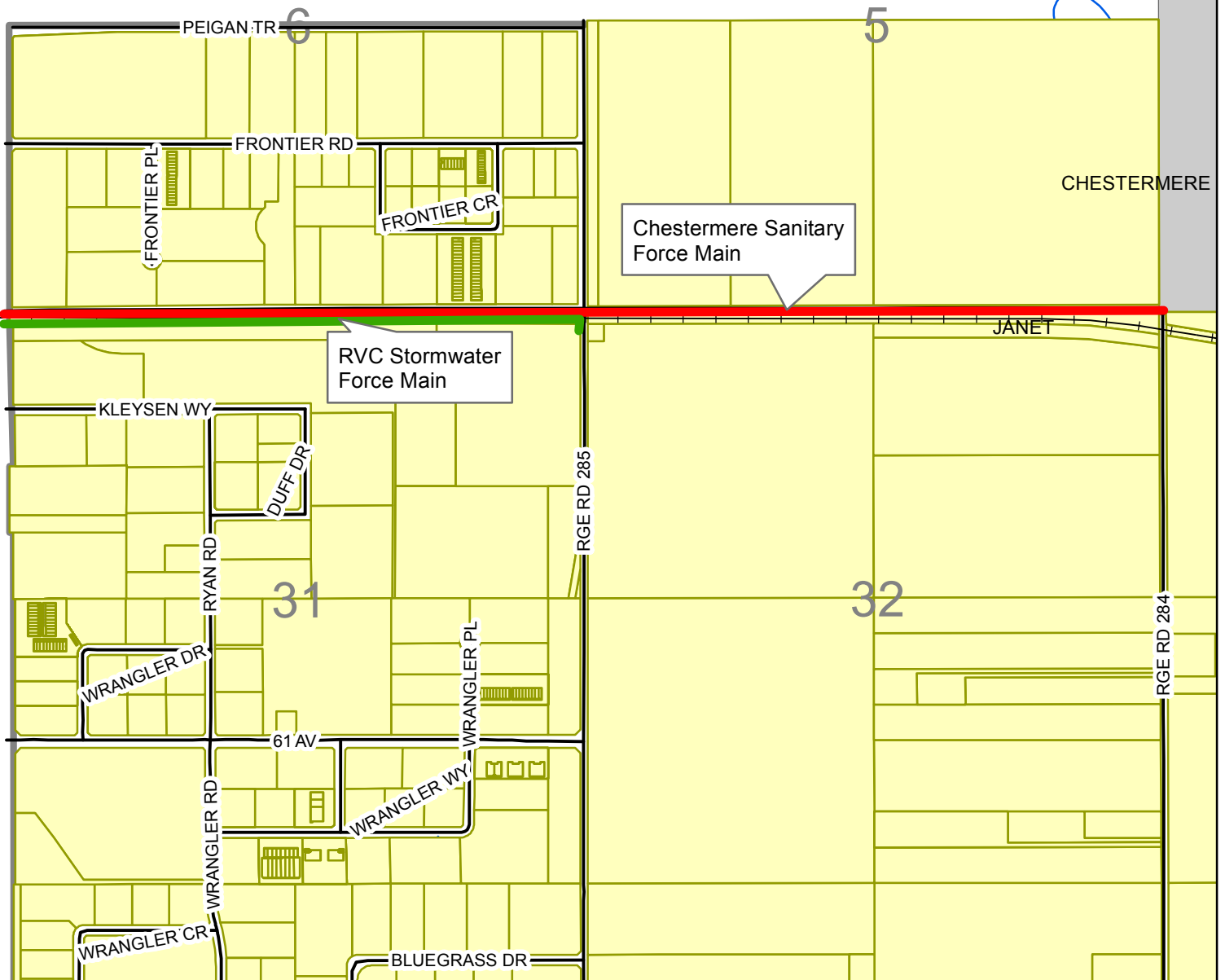
General Manager

County Manager

RW/bg

ATTACHMENT 'A' - Map of proposed Right of Way use
ATTACHMENT 'B' - Letter from the Mayor, City of Chestermere
ATTACHMENT 'C' - CIMA/CUI Powerpoint Presentation
ATTACHMENT 'D' - Policy #436

CALGARY



ROCKY VIEW COUNTY
Cultivating Communities

Information as depicted is subject to change, therefore Rocky View County assumes no responsibility for discrepancies after date of printing.



Printed on **AGENDA**



Mr. Greg Boehlke
Reeve, Rocky View County
911 32 Ave NE
Calgary, AB T2E 6X6

Dear Mr. Boehlke:

RE: Request for Right of Way

With this letter the City of Chestermere (the "City") formally requests approval to install a sanitary forcemain within the Rocky View County's ("RVC") road right of way ("ROW") in Township Road 240 ("Twp. Rd. 240")

The exponential growth that has occurred in Chestermere over the last decade has created the conditions where the capacity available to serve our community via our existing 450 mm sanitary forcemain (located in Twp. Rd 240) is no longer sufficient. The City of Calgary has agreed to accept increased sanitary flows from Chestermere under a long term agreement and has designated a manhole located at the intersection of 84 Street SE and Twp. Rd. 240 as the discharge point.

The ability to increase deliveries to the City of Calgary's system is required to bring our sanitary system into compliance with Alberta Environment regulations and allow for continued development in our community including the construction of a new school required by the Rocky View County School Board for September 2018.

Over the last number of months, the City's wholly owned subsidiary Chestermere Utilities Inc. ("CUI") has been working to determine the optimal design to reach the specified discharge point. During this time, CUI's staff has worked very closely with members of RVC's administration to develop a technical solution which best meets the needs of all stakeholders.

A variety of options were evaluated concluding with agreement that an alignment within the Twp. Road 240 ROW is the best alternative for the following reasons.

It is the shortest, and therefore most cost effective alignment to the discharge point as designated by the City of Calgary.

It avoids disturbing environmentally sensitive areas.

Once the new forcemain is constructed CUI will abandon the existing forcemain and transfer ownership of this pipe to RVC. We understand that RVC intends to explore the option of converting the abandoned forcemain for use as a stormwater main.

We ask you to allow us to present to the Rocky View County Policy & Priorities Committee ("PPC") on May 2, 2016. A formal presentation request will be submitted by CUI to the PPC

Best regards,

Patricia Matthews

CC: Leigh-Anne Palter, CUI CEO



105 Marina Rd, Chestermere, Alberta T1X 1V7
P: (403) 207-7050 F: (403) 569-0512
www.chestermere.ca



April 19, 2017

Rocky View County
911 32 Ave NE
Calgary, AB T2E 6X6

Attn: Mr. Rolly Ashdown
Chair, Policies and Priorities Committee

Dear Councillor Ashdown and Colleagues;

Re: Request for Right of Way

Please find attached our Consultant's report in support of CUI's request for a Right of Way in Township Road 240 for the purpose of increasing the sanitary system delivery capacity from Chestermere to the City of Calgary.

We look forward to meeting with the Committee on May 2, 2017.

Yours truly,

A handwritten signature in black ink, appearing to read 'Leigh-Anne Palter', written in a cursive style.

Leigh-Anne Palter
Chief Executive Officer

Rocky View County
Policies & Priorities Committee Report
Chestermere LS13 Force Main

C095-C04-00048.12

April 19, 2017



Formerly **BSEI** Municipal Consulting Engineers

Table of Contents

- 1. Introduction..... 1**
- 2. Background..... 1**
 - 2.1 Project History 1
 - 2.2 Project Necessity..... 2
- 3. Alignment 2**
 - 3.1 Overview 2
 - 3.1.1 Alignment 1 – Partial North Alignment (Pink) 3
 - 3.1.2 Alignment 2 – North Alignment (Blue) 3
 - 3.1.3 Alignment 3a – North side of TWP Rd 240 (Purple)..... 3
 - 3.1.4 Alignment 3b – South side of TWP Rd 240 (Yellow)..... 3
 - 3.1.5 Alignment 3c – Within TWP Rd 240 (Red) 3
 - 3.2 Land Owner Negotiation 4
 - 3.3 Feedback from RVC..... 4
 - 3.4 Optimal Solution 5
- 4. Our Request..... 5**
 - 4.1 Option 1 5
 - 4.1.1 Benefit 5
 - 4.2 Option 2 6
 - 4.2.1 Benefit 6
 - 4.1 Summary 6



1. Introduction

The City of Chestermere is provided with water and wastewater servicing from the City of Calgary. Currently, Chestermere operates a 450mm and a 250mm sanitary force main, although the 250mm line is only permitted to be used in times of emergency and when it would not impact the City of Calgary's operations.

The City of Chestermere's wastewater system is currently not meeting the standards and guidelines set out by Alberta Environment in terms of flow capacity for the 450mm force main. This requires the City of Chestermere to construct an additional force main to Calgary to increase flow capacity

The City of Chestermere/CUI and Rocky View County (RVC) have been in communication regarding building of a sanitary force main servicing Chestermere through TWP Rd 240 since 2009. The project was put on hold multiple times in the past by Chestermere. However, the new lift station, Lift Station 13 was completed in 2016 which is intended to discharge into the proposed line to Calgary.

2. Background

2.1 Project History

- + Population growth since 2005: 250%
- + Need for new sanitary force main was originally identified in 2008 UMP (Stantec)
- + Preliminary plans were made starting in 2009 for Lift Station 13 and its associated force main.
- + Received conditional approval from RVC to build LS#13 FM in TWP Rd. 240 in 2010
- + LS#13 and the force main were delayed due to issues with procuring land.
- + In 2012/2013 an upgrade to Lift Station 10 was completed that increased flow capacity but was only an interim measure.
- + In 2014 the LS13 and force main were revived but still faced issues with land agreements/approvals.
- + Turnover at utility level (CUI) and consultant level (CIMA) in 2015/2016 resulted in new initiative to complete the project.
- + Existing wastewater system is operating over its capacity (Peak Wet Weather Flow (PWWF): 287 L/s, current pumping capacity out of Chestermere: 168 L/s) This means that existing residents are at significant increased risk in severe wet weather events i.e. 2015 floods
- + No further development can be approved without the increase in capacity that would be provided by this project

2.2 Project Necessity

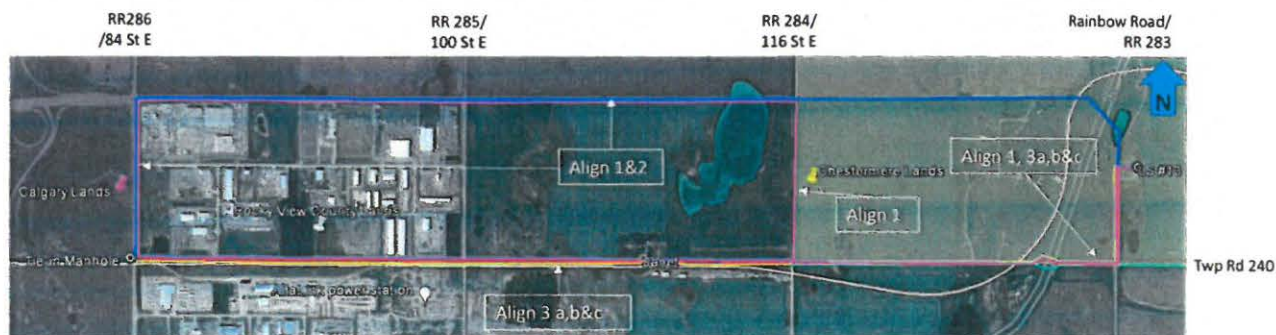
Following are factors that driving this project:

- + The City of Chestermere's wastewater system is currently not meeting the standards and guidelines set out by Alberta Environment.
- + Rockyview Schools intends to build a school in Chestermere that will require wastewater servicing from Chestermere. The K-9 school is required to be open in 2018 to meet classroom demands. Currently there is no wastewater capacity.
- + Rockyview Schools has plans for an additional two schools (K-9 and a High School) required to meet classroom demands by 2019.
- + All additional development within Chestermere cannot be approved until the wastewater system is addressed
- + The Calgary Catholic School District intends to build a school as soon as possible and will be sending a letter to CUI/Chestermere in support of this.

3. Alignment

CIMA+/CUI has performed testing on the City's existing wastewater infrastructure to determine the combinations of pump stations and/or force mains that can be used to maximize flow to Calgary. The conclusion is that there is no combination of existing force mains or pumping systems that can provide the City of Chestermere with the required flow capacity to the City of Calgary. The tie-in to the City of Calgary's system is already determined and is located at the intersection of 84 Street and TWP Road 240. A variety of options for alignments between Lift Station 13 and the tie-in location have been reviewed and are summarized as follows.

3.1 Overview



3.1.1 Alignment 1 – Partial North Alignment (Pink)

Description:

- + Second highest cost
- + Crossing wetland
- + Lengthy land negotiations may be required.
- + Impacts future development.
- + Potentially impacts development of Peigan Trail.
- + Longest Route

Estimated Construction Cost: \$14,300,000

3.1.2 Alignment 2 – North Alignment (Blue)

Description:

- + Highest Cost
- + Crossing wetland
- + Lengthy land negotiations may be required.
- + Impacts future development.
- + Potentially impacts development of Peigan Trail.
- + Second Longest Route

Estimated Construction Cost: \$15,100,000

3.1.3 Alignment 3a – North side of TWP Rd 240 (Purple)

Description:

- + North of TWP Rd 240
- + Not within Road Allowance
- + Easy access to manholes for construction and maintenance/repair
- + Partly within private properties which have been developed
- + Within ROW of Altalink Transmission line

Estimated Construction Cost: \$10,700,000

3.1.4 Alignment 3b – South side of TWP Rd 240 (Yellow)

Description:

- + South of TWP Rd 240
- + Not within Road Allowance
- + Easy access to manholes for construction and maintenance/repair
- + Not feasible, on CN land.

Estimated Construction Cost: Not Feasible (on CN Lands)

3.1.5 Alignment 3c – Within TWP Rd 240 (Red)

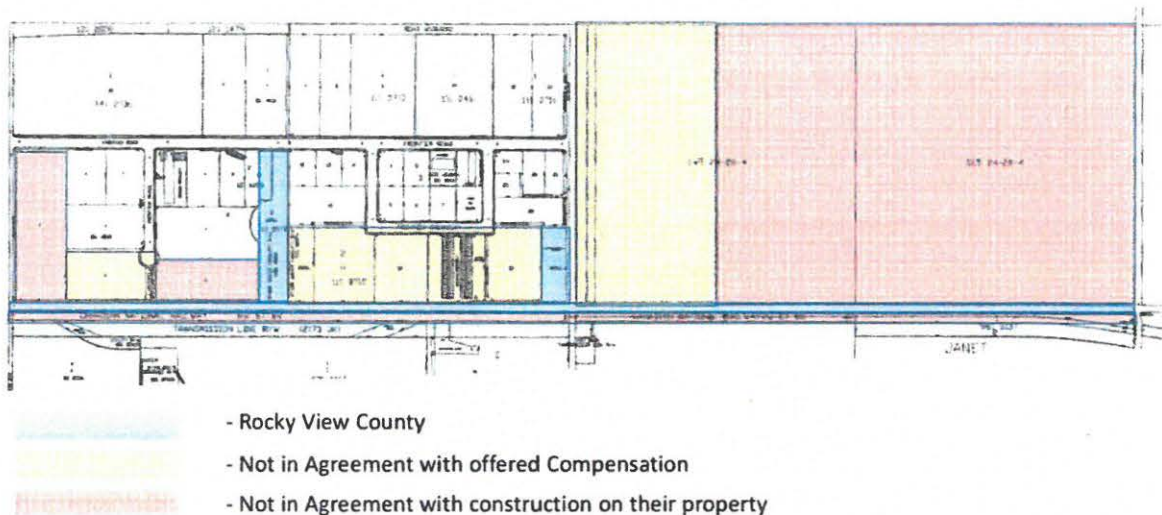
Description:

- + Easy access to manholes for maintenance/repair
- + Shortest alignment
- + Within road allowance
- + Within ROW of existing sanitary line

Estimated Construction Cost: \$11,100,000

3.2 Land Owner Negotiation

CUI has undertaken discussions with land owners along TWP Rd. 240 to determine the feasibility of installing a force main on private property. As shown in the figure below, many land owners are simply not in agreement with construction of the force main on their property, while others did not agree with the amount of compensation that was discussed.



3.3 Feedback from RVC

RVC has provided the following feedback on the preliminary alignments:

- + There are two existing deep utility lines (Strathmore's 900 mm water main and Chestermere's 450 mm sanitary forcemain) within the road ROW which can be damaged during construction. The concern is that the existing 450mm force main will crack during or subsequent to construction and that wastewater leaking from the main will soften the road subgrade.
- + There is already an issue with water in the subgrade of the road. There were rumors during the construction of the waterline that there was a line leaking. Water samples were taken and returned as inconclusive. The water in the road subgrade could be a leak or poor storm water drainage
- + The additional proposed sanitary force main will further congest the road ROW and prevent the county from installing any of its deep utilities should the need arise in the future.
- + The county is experiencing some storm water drainage issues in the area and could potentially require an alignment for a storm water drainage solution in the future (force main or gravity). A congested ROW will compromise future utility ROW requirements.



3.4 Optimal Solution

A solution which would benefit the interests of both the City of Chestermere and RVC would have the following characteristics:

- + Minimizes land utilization in the Road ROW
- + Ensures the existing utilities aren't having a detrimental impact on RVC's Road
- + Provides Chestermere with the increased flow capacity required to support future development
- + Helps provide RVC with a solution to their storm water issues in the area.
- + Is cost effective (low construction cost)
- + Shortest Distance
- + Low Operating Cost (less distance results in lower power consumption)
- + Easy Access for Operations and Maintenance

4. Our Request

Our team has worked with RVC to identify two new options that have features from the "optimal solution" that would benefit both CUI/Chestermere and Rocky View:

4.1 Option 1

- + Install two new force mains along TWP Rd 240
 - One new 600mm sanitary force main (to benefit Chestermere)
 - One new ~200mm storm force main (to benefit RVC)
- + Chestermere continues to use the 450mm sanitary force main
 - Concerns raised by RVC regarding leak would be confirmed by pressure test.

4.1.1 Benefits

- + Chestermere
 - Increase wastewater capacity by 530 L/s
 - Will be adequate for 25 years of growth
 - Straightest path to Calgary with best access
- + RVC
 - New force main alignment can be used for stormwater solution
 - Most cost effective storm water solution

4.2 Option 2

- + Install two new force mains along TWP Rd 240
 - One new 600mm sanitary force main (Chestermere)
 - One new 450mm sanitary force main (Chestermere)
- + Remove/replace existing 450mm sanitary force main
 - Remove ~3300m of 450mm sanitary force main
 - Install ~1600m of ~200mm storm force main

4.2.1 Benefits

- + Chestermere
 - Increase wastewater capacity by 530 L/s
 - Will be adequate for 25 years of growth
 - Straightest path to Calgary with best access
- + RVC
 - Existing force main alignment can be used for stormwater solution
 - Most efficient use of space in road allowance

4.1 Summary

The Mayor of Chestermere has formally requested consideration for the installation of force main in Township Road 240 from RVC.

CUI has confirmed that they support working with RVC to help resolve the County's stormwater issues during the construction of the proposed force main, pending final cost estimates.

Our team has been working cooperatively with the staff at RVC and we believe have presented a project that is beneficial to both Chestermere and RVC. The final details of the project will be determined in the coming weeks pending approval from the PPC and ultimately from the Council at RVC.

Sincerely,



Steven Dawe, B.Sc., P. Eng

Lead Engineer, Partner



CIMA Canada Inc.

Policies & Priorities Committee Report



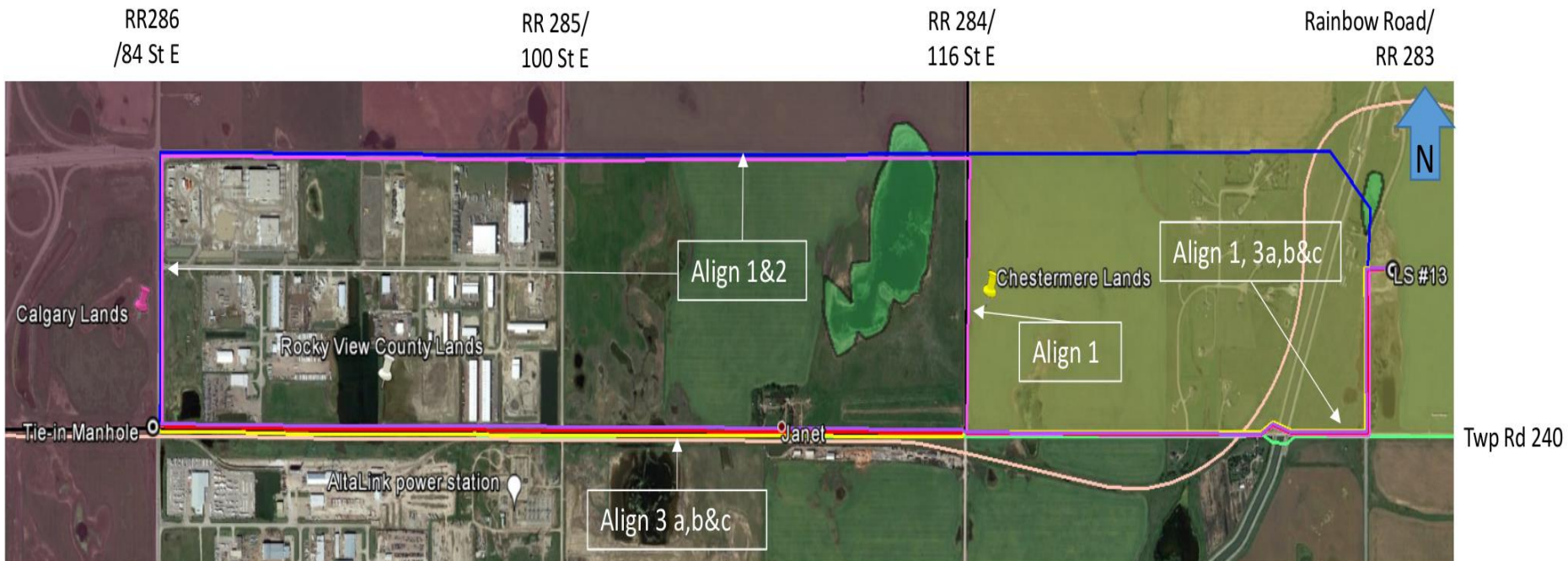
- + City of Calgary provides Chestermere with water and wastewater servicing :**
 - + 450mm sanitary force main that is over flow capacity**
 - + 250mm sanitary force main that is only used in emergencies**

- + A new force main is required now that Lift Station 13 is completed.**
- + CUI/Chestermere is seeking approval for a line assignment for a new sanitary force main from RVC.**
- + CUI/Chestermere want to work with RVC to reach a mutually beneficial agreement.**

- + Population growth since 2005: 250%**
- + Need for new sanitary force main was originally identified in 2008 UMP (Stantec)**
- + Preliminary plans were made starting in 2009 for Lift Station 13 and its associated force main.**
- + Received conditional approval from RVC to build LS#13 FM in TWP Rd. 240 in 2010**
- + LS#13 and the force main were delayed due to issues with procuring land.**
- + In 2012/2013 an upgrade to Lift Station 10 was completed that increased flow capacity but was only an interim measure.**
- + 2014 the LS13 and force main were revived but still faced issues with land agreements/approvals.**
- + Turnover at utility level (CUI) and consultant level (CIMA) in 2015/2016 resulted in fresh approach/new team.**

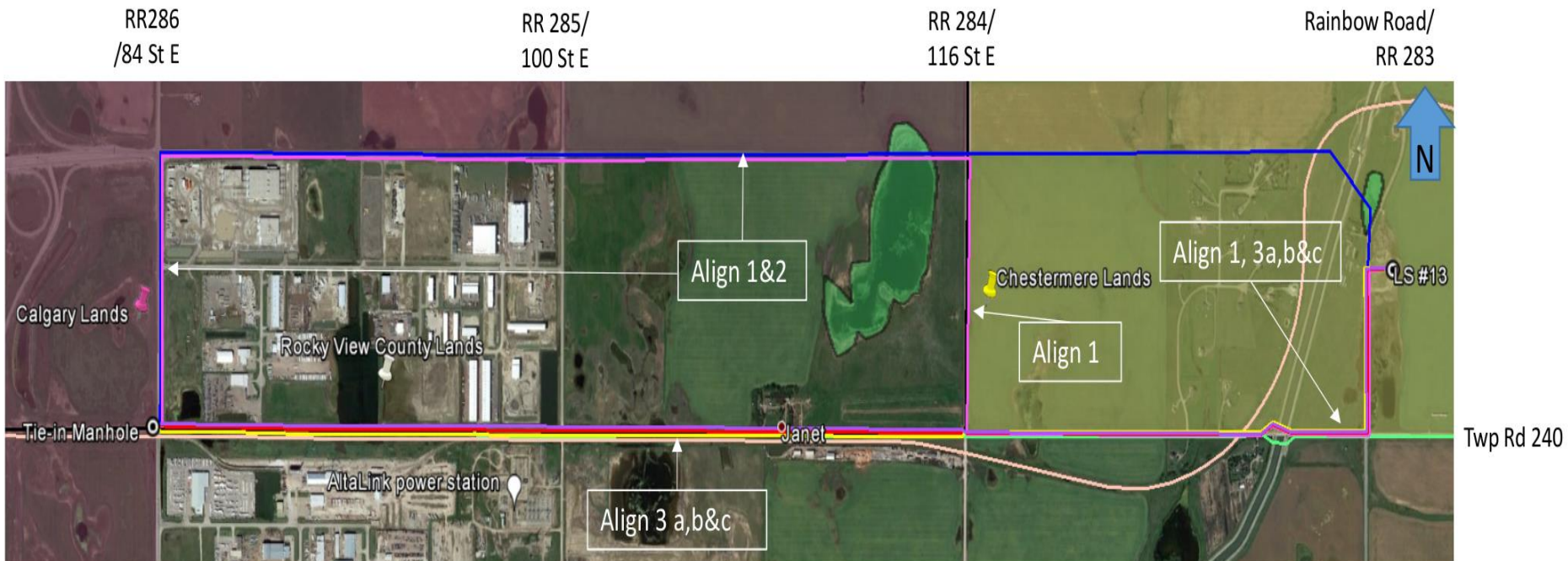
- + Existing wastewater system is operating over its capacity**
 - + Pumping Capacity is 168 L/s
 - + Peak Wet Weather Flow is 287 L/s
 - + This means that existing residents are at significant increased risk in severe wet weather events i.e. 2015 floods
- + Currently, additional development within Chestermere cannot be approved**
 - + Rockyview Schools intends to build a school in Chestermere that will require wastewater servicing from Chestermere. The K-9 school is required to be open in 2018 to meet classroom demands. Currently there is no wastewater capacity.
 - + Rockyview Schools has plans for an additional two schools (K-9 and a High School) required to meet classroom demands by 2019.
 - + The Calgary Catholic School District intends to build a school as soon as possible and will be sending a letter to CUI/Chestermere in support of this.

- + CUI/CIMA+ reviewed the existing infrastructure (force mains, pump stations) and no combination in the existing system provides the required flow capacity
- + A new force main required is support growth.
- + Our team has reviewed five alignment options.
- + The City of Calgary tie in is located at at 84th St and TWP Rd. 240



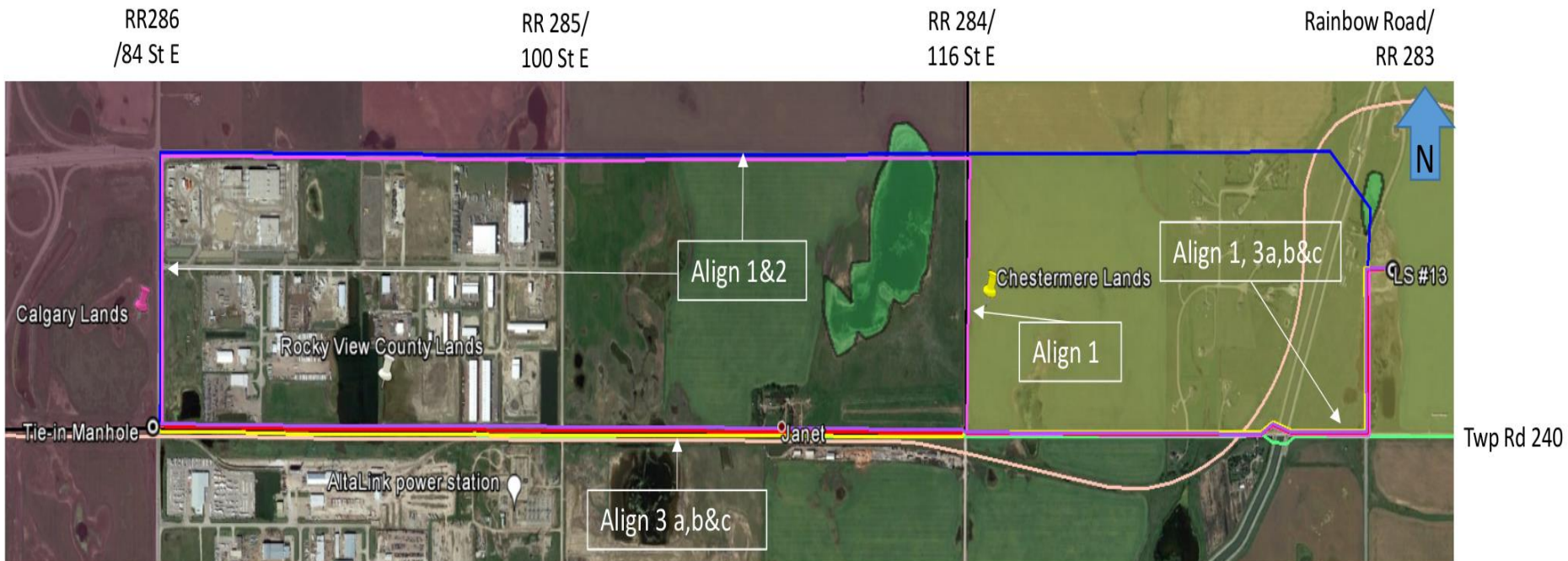
- + **Alignment 1 – Partial North Alignment (Pink)**
- + Crossing wetland
- + Land negotiations required
- + Longest route
- + \$14,300,000 Construction cost

- + **Alignment 2 – North Alignment (Blue)**
- + Crossing wetland
- + Impacts future development
- + Second longest route
- + \$15,100,000 Construction cost

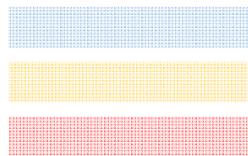
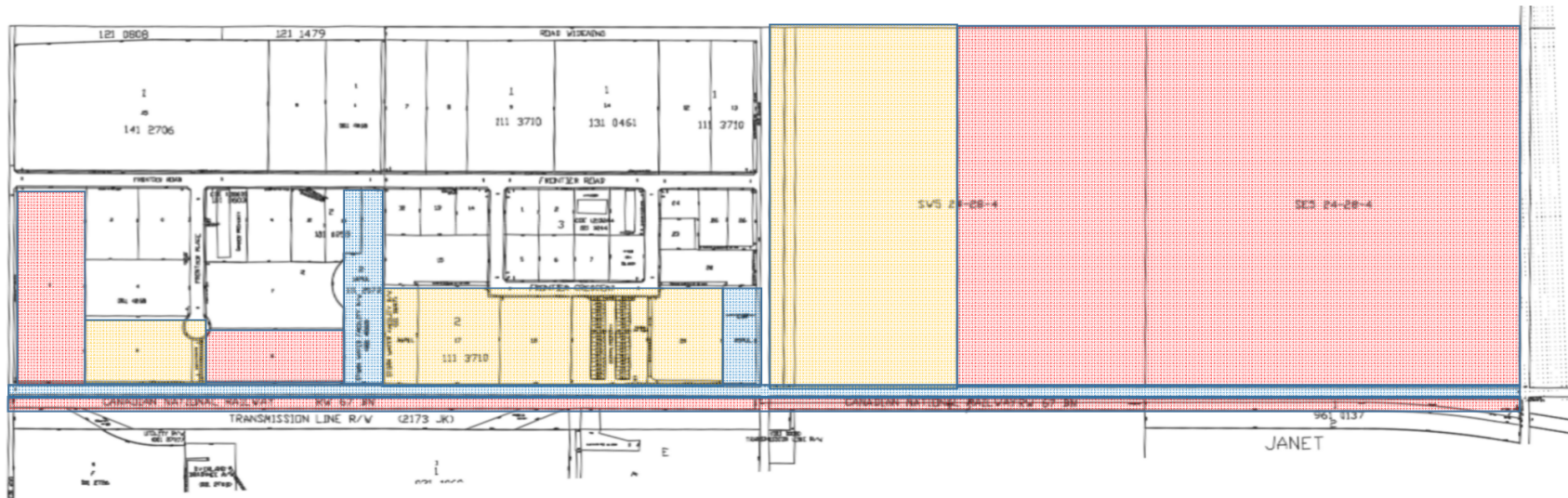


- + **Alignment 3a – North side of TWP Rd 240 (Purple)**
 - + Easy Access for maintenance
 - + Shortest alignment
 - + \$10,700,000 Construction cost
 - + Not within Road ROW
- + **Alignment 3b – South side of TWP Rd 240 (Yellow)**
 - + Not feasible, on CN land.

- + **Alignment 3c – Within TWP Rd 240 (Red)**
 - + Easy Access for maintenance
 - + Shortest alignment
 - + \$11,100,000 Construction cost
 - + Preferred alignment of Chestermere/CUI



- + CUI discussed installing force main with landowners along TWP Rd 240
- + Many did not agree with construction
- + Some did not agree with compensation offered



- Rocky View County
- Not in Agreement with offered Compensation
- Not in Agreement with construction on their property

- + Existing 900mm water and 450mm sanitary lines could be damaged and leak into road base, causing subgrade softening and settlement
- + There are rumors of possible leak already causing subgrade softening, although it could be poor storm water drainage in the area.
- + New sanitary forcemain alignment creates a congested ROW which may impede servicing in the future.
- + There are stormwater drainage issues in area which could require a storm water pipe in Road ROW



- + A solution which would benefit the interests of both the City of Chestermere and RVC would have the following characteristics:**
 - + Minimizes land utilization in the Road ROW**
 - + Ensures the existing utilities aren't having a detrimental impact on RVC's Road**
 - + Provides Chestermere with the increased flow capacity required to support future development**
 - + Helps provide Rocky View County with a solution to their storm water issues in the area.**
 - + Is cost effective**

+ Option 1:

- + Install two new force mains along TWP Rd 240**
 - One new 600mm sanitary force main (Chestermere)
 - One new ~200mm storm force main (RVC)
- + Chestermere continues to use 450mm sanitary force main**
 - Concerns raised by RVC re: leak could be confirmed by pressure test.

+ Benefit

- + Chestermere**
 - Increase wastewater capacity by 530 L/s
 - Will be adequate for 25 years of growth
 - Straightest path to Calgary with best access
- + Rocky View County**
 - New force main alignment can be used for stormwater solution
 - Most cost effective storm water solution
- + CUI and Chestermere will work with RVC to agree on a final alignment that benefits all**

+ Option 2:

- + Install two new force mains along TWP Rd 240
 - One new 600mm sanitary force main (Chestermere)
 - One new 450mm sanitary force main (Chestermere)
- + Remove/replace existing 450mm sanitary force main
 - Remove ~3300m of 450mm sanitary force main
 - Install ~1600m of ~200mm storm force main

+ Benefit

- + Chestermere
 - Increase wastewater capacity by 530 L/s
 - Will be adequate for 25 years of growth
 - Straightest path to Calgary with best access
- + Rocky View County
 - Existing forcemain alignment can be used for stormwater solution
 - Most efficient use of space in road allowance
- + CUI and Chestermere will work with RVC to agree on a final alignment that benefits all

POLICY

#436



ROCKY VIEW COUNTY
 Cultivating Communities

Title:
Utility Placement Within Municipal Road Allowances

<p>Legal References: Municipal Government Act Environmental Protection and Enhancement Act</p>	<p>Policy Category: Infrastructure & Operations</p>
<p>Cross References: Master Rates Bylaw</p>	<p>Effective Date: March 15, 2011 Revision Date:</p>

Purpose:

To define the County's roles, responsibility's and practices regarding the placement of utility lines within municipally owned and managed road allowances.

Definitions:

- "County" means Rocky View County.
- "Utility Lines" means those facilities (pipelines and cables) and their appurtenances that are associated with a non-County owned utility or oil and gas system.

Policy Statements:

1. Utility lines shall be sited within utility-rights-of-way adjacent to municipal road allowances wherever possible.
2. Utility lines to be sited within or adjacent to municipal road allowances require the approval of the County prior to installation.
3. Where utility rights-of-way adjacent to a municipal road allowance is unattainable for utility lines of a length of 800 meters or less, the County may grant approval for the placement of such lines within the municipal road allowance, but outside the boundaries of a driving surface.
4. The placement of utility lines of a length greater than 800 meters within municipal road allowances or within the boundaries of a driving surface shall require the prior approval of County Council.
5. Before any utility lines are installed within a municipal road allowance, the utility owner shall be required to enter into an installation and indemnity agreement with the County.
6. Any placement of utility lines within a municipal road allowance shall be in accordance with the County's Servicing Standards, any applicable subdivision and development approval conditions, and any fee or cost structure set out in the Master Rates Bylaw.
7. Notwithstanding the above provisions, electrical and telecommunication transmission utility line owners shall, with County approval for siting, be permitted to install lines within a municipal road allowance without the requirement for an installation and indemnity agreement.
8. Utility line owners shall be required to restore all ground disturbances or damage that occurs as the result of the installation and placement of utility lines in municipal road allowances to pre-existing or superior conditions.
9. The placement of utility lines in municipal road allowances shall not result in the disturbance of any driving surface or road infrastructure without the prior approval of Rocky View County.