AREA STRUCTURE PLAN

FOR PROPOSED

SAWBACK RIDGE

MUNICIPALITY OF CROWSNEST PASS

PREPARED BY:



December 2007



P.O. BOX 600 CROWSNEST PASS, ALBERTA TOK 0E0 PHONE (403) 562-8833 FAX (403) 563-5474



January 29th, 2008

Mr. Doug Bergen Douglas Bergen & Associates Ltd. Box 1667 Coaldale, Alberta T1M 1N3

Fax: 403-345-2125

Dear Mr. Bergen:

RE: SAWBACK RIDGE AREA STRUCTURE PLAN - REQUESTED CHANGES

As you are aware, the required Public Hearing for the proposed Sawback Ridge Area Structure Plan was held during the regular Council meeting of Tuesday, January 22nd, 2008.

A number of presentations were made and several written concerns were also received regarding the Plan.

Please be advised that Council, when considering Bylaw 745, 2007 for adoption of the Area Structure Plan, approved second reading conditional on a number of amendments being incorporated, including the report from HV Consulting Ltd. relative to a Storm Water Management Plan.

Other amendments include:

- 1. the area road width, although a rural cross section, should follow the Urban Standards. The traveling surface therefore should be 9.5 metres wide with a 1 metre ditch;
- 2. a second water feed for Sawback Ridge should be installed to ensure service during any breaks in both Sawback Ridge and Kananaskis Wilds;
- 3. engineered assessment to be carried out relative to Highway 40 in lieu of a traffic impact assessment;
- 4. a standard playground area to be installed;
- 5. an emergency access be provided to the Sawback Way cul-de-sac;

I would appreciate it if you could arrange to meet with me to review these changes to the Sawback Area Structure Plan as soon as possible so that any amendments can be presented to Council for final reading. If you have any questions please do not hesitate to contact me.

Sincerely,

Gordon O. Lundy

Chief Administrative Officer

cc: Shane Stewart FAX: (403) 564-4849

Development Officer



Office of the Regional Director SOUTHERN REGION

Box 314 3rd Floor, Administration Building 909 Third Avenue North Lethbridge, Alberta T1H 0H5 Toll-Free Connection
Outside Edmonton - Dial 310-0000
Telephone 403/381-5426
Fax 403/382-4057
www.trans.gov.ab.ca

Our Reference: 2511/2512-SW 16-8-4-W5M (40)

December 17, 2007

Mr. Douglas J. Bergen
Douglas J. Bergen & Associates Ltd.
admin@bergenassociates.com
Box 1667
Coaldale AB T1M 1N3

Dear Mr. Bergen:

RE: SAWBACK RIDGE - ACCESS TO HIGHWAY 40

Further to our telephone conversation regarding the above noted.

As discussed, we are in receipt of your development application for a Type III intersection at 27th Avenue. The intersection type and location are acceptable and your application will be approved in due course.

Given that the contours and general topography of the Sawback Ridge lands do not allow for all developable areas to be accessed by a single internal road system, the second highway access location is approved in principle and will receive final approval upon determination of an optimum access location, geometric design requirements and application for same.

Moreover, it is our understanding that you are also in the process of developing an Area Structure Plan and Storm Water Management Plan to further support the development of Sawback Ridge.

I trust this is the information you require and will allow you to proceed with the approval process required by the Municipality of Crowsnest Pass land use authority.

If I could be of further assistance in the meantime please contact me, otherwise we will await your further direction in this matter.

Yours truly,

John Thomas

Development/Planning Technologist

JT/bc

cc: Municipality of Crowsnest Pass – Bev Cole – cao@crowsnestpass.com

Stantec Consulting Ltd. - Jeff Drain - jeff.drain@stantec.com

Terry Becker – e-mailed Rick Lemire – e-mailed



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1.0

1.1

INTRODUCTION

PURPOSE

The purpose of the Sawback Ridge area structure plan is to describe the existing land use and to establish the objectives for the area. The primary goal is to plan a development that is in keeping with and complimentary to its surroundings. It describes the density and layout of the development, proposed land use, roadway access, and basic servicing.

The intent is to create a bare land condominium subdivision of mixed use including large estate lots as well as townhouse clusters for those seeking a non-urban (rural setting) setting as a secluded mountain retreat. Potential purchasers seeking opportunities in the Crowsnest Pass have expressed a desire for such development. The proposed concept provides mountain retreat housing, found previously only in large grouped and country residential developments, in a more efficient and dense manner.

LAND USE CONCEPT

The Sawback Ridge development applies to an area of land that is approximately 38 acres (15.38 hectares) on the north side of Coleman, Alberta. See figures 1.1 & 1.2 & 1.3. The lands are currently classified as grouped country residential (GCR -1) and the developer has requested reclassification to Residential (R-1A). See figure 1.4, 1.5a, 1.5b, and 5.1.

The parcels to the south and east of the property are zoned (GCR-1). The property across highway 40 to the north is zoned residential (R-1) which forms the sister development of Kananaskis Wilds.

The intent of the Sawback Ridge Project is to respect the natural setting of the landscape on the property and to minimize the impact of the development on the surrounding area. The development will strive to preserve as much of the natural vegetation as possible.

1.2

SAWBACK RIDGE AREA STRUCTURE PLAN

Crowsnest Pass, Alberta

1.2

LAND USE CONCEPT (CONTINUED)

Restrictive covenants will be registered against the unit titles to ensure respect for the terrain, wildlife, and vegetation. There will also be an architectural control covenant that will provide for the Alpine setting of the site, as well as to ensure quality of development.

SECTION 2.0

2.1

EXISTING CONDITIONS

DEFINITION OF PLAN AREA

The subject land is located north of Coleman in the Municipality of Crowsnest Pass. Lands described in the Area Structure Plan boundary are located within a 38 acre parcel.

Legal Description:

SW 1/4 Section 16, Township 8, Range 4, West of 5 M

The property is bounded on the south by a Transalta Utility electrical right-of-way and on the east by two 3-acre parcels previously developed by Mr. Frank Capron. Highway 40 (the Kananaskis Road) borders the west and north side of the property and will provide access to the development at 2 locations.

2.2

LAND OWNERSHIP & EXISTING USES

The subject property was purchased from Mr. Ken Bowie by Sic Cor Stewart Investment Capital Corp. of Blairmore and Douglas J. Bergen and Associates Ltd. of Coaldale, Alberta to facilitate the Kananaskis Wilds and Sawback Ridge developments in 2005. See certificate of title figure 2.1.

The land is currently vacant with no existing structures.

2.3

TOPOGRAPHY & VEGETATION

The topography of this 38 acre parcel of land lends itself well to development. The terrain is undulating and varies in elevation from 1460 m to 1399 m. See figure 2.2 and 2.3.

2.3

TOPOGRAPHY & VEGETATION (CONTINUED)

The subdivision layout has been designed to work within the natural features of the site with a mandate to disturb as little as possible. Approximately 25% of the site is prohibitive to development due to topographical features. There exists a deep ravine in the southwest corner of the site which slowly blends with the land as it carries east. This area is well suited for park use for the residents and will include trails and a picnic area. A ridge severs the property diagonally in the north east corner. The upper area will be reserved for multifamily units to capitalize on the spectacular views to the southwest. A second access to the development will be required from Highway 40 at this location.

The natural slopes on the site have been surveyed by Spencer Geometrics Ltd. of Lethbridge and appear to be stable. EBA Engineering Ltd. have been consulted on a preliminary basis for their opinion of the suitability of the land for development. Geotechnical engineers have been engaged to confirm all slopes on site in order to ensure suitability for residential development and establish necessary building setback lines.

Most of the property is located within a high fuel area as noted in the Municipality of Crowsnest Pass Wildlife Urban Interface Hazard Map. See figure 2.4.

The site was selectively logged some 10 years ago and is covered in native grasses and shrubbery natural to the area. Every effort will be made to preserve the natural beauty of the site. Cutting of trees will be prohibited except where absolutely necessary, such as in the roadway corridors. See photos of site figures 2.6.

GEOLOGY & SOILS

EBA Engineering Ltd. of Lethbridge has been retained as the geotechnical consultant for the project. Core samples will be taken in several locations to verify the makeup of the substrate along with the recommendations as to its suitability for development. A full report will be provided to the municipality once the study is completed.

2.4

2.5

HISTORICAL CONTEXT

Dr. Neil Mirau of Arrow Archeology Limited has been retained to study the site for its historical value. Dr. Mirau's initial archival review concluded that the site has been disturbed by existing and previous development and that it has no recorded historical significance. Arrow Archeology will continue its work to exhaust any evidence of archeological value to this property. See letters in figure 2.5.

SECTION 3.0

3.1

PLANNING CONCEPT & POLICIES

PLANNING CONCEPT

The intention of the this development is to provide for a quality mountain retreat environment for those seeking escape from the fast pace of the urban life. The estate lots as well as the condominiums allow for privacy for each residence and provide access to the beauty that abounds in the Crowsnest Pass.

The purpose of this development is to ensure owner privacy and to create a feeling of a "mountain retreat". The development is specifically geared toward those seeking to visit the Pass on a regular basis as a second residence.

The target clientele pursued by Sawback Ridge are typically looking for an environment that contradicts the experience of everyday life in the city. The proposed roads in Sawback Ridge will be paved but will maintain a rural cross section with no curbs or street lighting.

The 100-125 owners would be part of a common ownership group referred to as a bare land condominium corporation for legal purposes. This group of buyers would own and maintain the roads which access the property units as per the ownership agreement. The goal is to have as little disruption as possible to the natural surroundings in order to maintain the setting.



2315 - 20 Street, Coaldale, Alberta, T1M 1G5
Phone: 403 345 2812 Fax: 403 345 2817
Cell: 403 330 8376 arrowarchaeology.com

Email: neil@arrowarchaeology.com

December 10, 2007

Douglas Bergen Bergen and Associates Box 1667 Coaidale, Alberta T1M 1N3

Dear Mr. Bergen:

Re: Proposed Subdivision Sawback Ridge, Crowsnest Pass

This will confirm that we have conducted an initial assessment and have examined remotely sensed data for the proposed subdivision. We have also reviewed available records for previously recorded sites in the area and have investigated the subdivision's historical resource potential (according to Alberta Tourism, Parks, Recreation and Culture's *Listing of Significant Historical Sites and Areas, 7th ed., September 2007*). Although existing site records indicate that there are no recorded historical resources in the area that will impacted by the development, a site has recently been recorded near the eastern boundary of the subdivision. We cannot, the on the basis of the information currently available, determine whether or not this site extends into the proposed subdivision. We will be searching for and investigating this site to determine if it will be impacted by the development. If it is, archaeological mitigation may be required.

In addition, the proposed subdivision has landforms that have potential to contain historical resources. It is also the case, given the long Euro-Canadian history of the Pass, that there is the possibility for the presence of historical (i.e., 19th or early 20th century) remains in the area. Although there are no known historical resources that would prevent development of the area, the proposed subdivision will be subject to a full Historical Resources Impact Assessment field survey and testing program as soon as surface conditions permit us to complete this work.

In the meantime if you have any questions, please contact me.

Yours sincerely,

Net Mirau

Senior Archaeologist



Site Vegetation and Topography



Site Vegetation



Existing Trail



Site Vegetation



View from Upper Ridge



South boundary along Trans Alta right of way

3.2

LAND USE POPULATION DENSITIES

The plan area has been designed to accommodate 100-125 residential units varying in size from 1/4 to 1/2 acres (0.135 - 0.202 hectares) to typical single unit condos. All units are in accordance with Land Use Bylaw No. 481 prepared by Oldman River Regional Services Commission (ORRSC).

The frontage of the units varies from 6.1 meters to 34 meters and vary in depth from 30 meters to 84 meters.

Housing density based on one dwelling per unit works out to 3.3 units per acre (8.1 units per hectare).

A population figure of three people per residence results in a population density of 375 people for this 38 acre development. It is not likely however that this magnitude of density will be realized given the nature of the target clientele.

SLOPE STABILITY

The slope of the land from the upper bench to the meadow below varies from 18 % to 30%. The grade of the proposed roads shall not exceed municipal standards within the development area. The slopes consist of considerable vegetation in most areas and show no signs of detrimental erosion. These types of slopes are considered safe provided that geotechnical recommendations are followed. EBA Engineering Ltd. of Lethbridge is addressing these issues for the project and each of the builders will be required to follow the geotechnical recommendations..

MUNICIPAL RESERVE

In accordance with the Municipal Government Act, a minimum 10% of the gross developable land will be dedicated as municipal reserve to the local Municipality. As illustrated within the proposed plan, the retention of significant natural site features and vegetation is of primary

3.3

3.4

3.4

MUNICIPAL RESERVE (CONTINUED)

importance. The proposed plan will likely exceed the Municipal Reserve (MR) area requirement. A detailed analysis of proposed Municipal Reserve Lands will be provided at the subdivision stage to the satisfaction of the Subdivision Approving Authority. See figure 3.1.

3.5

3.5.1.

ROADWAYS

INTERNAL TRAFFIC MOVEMENT

The north and west border of the proposed Sawback Ridge development follows the Highway 40 corridor extending north to south.

The approximately 115 individual units will be serviced via 2 private residential roads which would extend from Highway 40 throughout the development as seen in figure 3.1.

An easement would be registered as required to provide a right-of-way access to each lot. The internal roads will be owned and maintained by the condominium corporation. All unit owners will contribute to the maintenance costs.

The proposed private roads have been positioned to extend from the existing highway at locations that optimizes the sight distances for safe entry and exit from the property. The grade on the road throughout the development will not exceed 10%, which meets the municipal road standard. See figure 3.2.

The road will have a 26-0' (8.0 m) surface with properly designed drainage swale on each side. Civil engineering for this project will be provided by Mr. Henry Vanderpyl, C.E.T., P. Eng., of HV Consulting Ltd. of Coaldale. The swale will facilitate run-off during precipitation or snow melt events with drainage culverts provided as required.

Table 2.2.2 - General Design Guidelines

			ROBUMAN C	Roadway classification	- Table 1	
		Urban			ופוזע	
	Local	Collector	Arterial	Local	Collector	Arterial
Application / Typical Use						
Design Speed (km/h)			!			
Minimum	8	20	20	20	09	80
Maximum	50	70	100	80	80	138
Maximum Allowable Gradient						
Minimum Design Speed	9	9	5	9	10	_
Maximum Design Speed	10	9	9	7	7	9
Minimum Horizontal Curve Radius (m)						. !
Minimum Design Speed	93	115	75	120	120	230
Maximum Design Speed	115	290	440	230	230	330
Maximum Super-elevation (m/m)						
Minimum Design Speed	0.02	∀X	90.0	90.0	90.0	90.0
Maximum Design Speed	0.02	NA	90.0	0.06	90.0	90.0
Vertical Crest Curve Minimum k						
Minimum Design Speed	က	7	7	7	15	35
Maximum Design Speed	7	22	82	35	35	75
Vertical Sag Curve Minimum k						
Minimum Design Speed	4	7	11	1	20	99
Maximum Design Speed	11	25	20	30	30	90
Minimum Decision Sight Distance (m)	3					
Minimum Design Speed	06	140	140	140	170	230
Maximum Design Speed	140	200	300	230	230	300
Minimum Pavement/Surface Width (m)	10.5	12.5	15	8	6	9
Minimum Lane Width (m)	3.3	3.5	3.7	3.5	3.5	4
Minimum Shoulder Width (m)	N/A	N/A	NA	0.5	1.0	1.0
Ditch width (m)	N/A	N/A	N/A	1.0	1.0	1.0
Maximum Side slope Ratio (m)	N/A	N/A	N/A	3:1	3:1	3:1
Maximum Back slope Ratio (m)	N/A	N/A	N/A	2:1	2:1	3:1
Minimum Right of Way Width (m)	20	20	25	20	25	30
Minimum Cross fall (%)	2	2	2	2	2	2

ised on driver's decision to stop and stopping distance required. Horizontal Curve Radius is based on reverse crown (+0.02 m/m)

← 21 € 4. €

These guidelines mat not be appropriate in retrofit or reconstruction projects. If side slopes of less than 3:1 are proposed guard rails may be required. Where side slopes are required, the Right-of –Way must be extended to include the side slope.

MUNICIPAL ROAD STANDARDS

FIGURE 3.2

CROWSNEST PASS, AB SAWBACK RIDGE

DPUGLAS J. BERGEN & ASSPCIATES LTD.

3.5.2.

CONSTRUCTION OF SURFACE

In order to maintain a rural flavour the roads will be paved with a rural cross section. The substructure of the road will be engineered to meet the required standards for private roads.

Mr. Ed Drain of Drain Brothers Construction Ltd. has visited the site to determine the suitability of the existing terrain for this type of development and confirmed that it would work well.

3.6

ARCHITECTURAL CONTROLS & DEVELOPMENT STANDARDS

The development of each individual site is paramount in the final concept and appearance of Sawback Ridge. Each unit development will be governed by the land use bylaw as well as additional restrictions in the form of a restrictive covenant which will be registered against the title. Every effort will be made to maintain the natural setting as well as carefully assess each building placement. See figure 3.3 for examples of architecture and placement.

SECTION 4.0

SERVICE REQUIREMENTS

4.1

TRANSPORTATION

4.1.1

ROAD DIMENSIONS

As mentioned in Section 3.5.1. Internal Traffic Movement, a private road will service the units and connect to the existing Highway 40. See highway photos in figure 4.7. The road surface will measure 26'-0" (8.0 m) on the surface and have a slight crown. There will be an 85'-0" (26.0 m) diameter turn around at the end of each cul-de-sac which meets the municipal guideline and provides adequate turning radius for a fire truck. See figure 4.7.

Mr. John Thomas of Alberta Infrastructure and Transportation was consulted on the proposed site access and capacity of Highway 40. Highway 40 is well within its design capacity to handle the additional traffic proposed by the development.















CABIN STYLES

4.1.2

CONSTRUCTION OF SURFACE

The internal roadways will consist of a 75 mm type III asphalt surface consistent with the City of Lethbridge specifications for paving in this region. The substructure would meet or exceed the criteria for a private municipal roadway.

4.1.3

DRAINAGE OF SURFACE WATER

Surface water would find its way to either side of the road and be carried to a natural drainage facility via the drainage swale at each side of the road. Culverts will be installed at driveway crossings and where needed to ensure proper drainage of the surface water. Driveway crossings will be 20'-0" or 6.1 meters wide to allow for fire truck maneuvering.

4.1.4

ROAD MAINTENANCE

A road maintenance agreement will be registered against the land titles as an encumbrance. This will ensure that regular maintenance takes place.

Each resident will be required to become a mandatory member of a homeowner's association in order to be legally bound to contribute to road maintenance.

4.1.5

BUSING

The current school bus service provided by Livingstone Range School Division #68 does not provide door-to-door pickup of children in this area.

School age children are currently picked up by the bus system at a common drop off area. It is the responsibility of the parent to ensure safe passage to the pick up location.

Sawback Ridge residents would be a part of this system and thus the school bus would not travel the private road. In the event that the bus service is altered to accommodate door-to-door pick up in the area the bus would also service the neighbouring Kananaskis Wilds area.

4.1.5.

BUSING (CONTINUED)

Mr. Dale Slade, Superintendent of Busing for the Livingstone Range School Division #68, assured the developers that the 10% grade private road would not be an issue for their busses as they currently service areas with steeper grades than Sawback Ridge is proposing.

4.2

STORM WATER DRAINAGE

The subject lands currently drain naturally and do not create unusual problems relative to storm and surface drainage. The proposed road and unit layout will work with the existing contour of the land as not to disturb this natural movement of water on the property. Proper swale design and culvert placement will allow for this movement. Natural vegetation and the limited footprint of impervious surfaces within the development will also contribute to water absorption and retention. A storm pond will be created in the existing north reach of the ravine to act as a settlement pond and allow for the controlled flows off the site. A storm water management plan will be completed identifying pre-development and post-development flows. This study will be submitted to Alberta Environment for review, comment and approval prior to construction commencement.

4.3

WATER SUPPLY & DISTRIBUTION

The homeowners at Sawback Ridge will enjoy the excellent water provided by the Municipality of the Crowsnest Pass via an underground pipeline distribution system. The system would tie into the existing water system installed across Highway 40 in the Kananaskis Wilds development. The existing pump station has been adequately sized in order to supply the increased demands of this development on the current system. See figure 4.1.

4.4

SEWAGE DISPOSAL

Municipal sewer service will be provided by the developer. The system will gravity drain into the existing municipal system to the south of the site. See figure 4.1. The developer is working with Mr. Ralph Tiegen and Mr. Barry Remus to provide a corridor for the sewer trunk line to be installed through their properties to connect into the municipal system at the bottom of the hill. This will assist all parties in economically providing sanitary servicing to their respective sites.

A portion of Kananaskis Wilds will also tie into this system to provide sanitary services to the remaining 12 units which are unserviced. The developer is open to working with the municipality to solve any current sanitary sewer servicing issues realized at 27A Avenue. See figure 4.2.

GARBAGE DISPOSAL

Garbage will be collected on a scheduled basis by the Municipality. Each individual homeowner will receive a bill monthly for utilities including water, sewer, and garbage pickup. Bear smart containers will be encouraged by the Condo Association. Excessive waste will not be permitted to be stored on site. Temporary storage facilities for small amounts of waste will be required to be screened from view.

ENERGY SUPPLY

ELECTRICITY

The municipality worked with the developer in 2007 to provide electrical service to the neighbouring Kananaskis Wilds via the existing grid. The service to Kananaskis Wilds was sized to accommodate the further servicing of Sawback Ridge to the east. See figure 4.3.

MVA Consulting Ltd. of Calgary (electrical engineers) has been retained to design the system to the satisfaction of the municipality and its consultants.

4.5

4.6

4.6.1

4.6.2

NATURAL GAS

A gas main currently exists under Highway 40 which will allow Atco Gas to provide service to residences on an individual basis. The current line is adequately sized to service the development. Services are installed by Atco Gas construction division at a per meter rate. See figure 4.4.

4.7

COMMUNICATIONS

Telus currently has facilities along Highway 40 and would provide underground services to homeowners via that installation. Telus has provided the developer with a letter outlining the procedure for service installation. See figure 4.5. Shaw cable will also be installed to each unit for high speed internet communication as well as cable television. Small (18") satellite dish applications will be permitted on the units for those wishing to receive signals in this manner.

4.8

FIRE PROTECTION

Fire protection will be provided to the development via fire hydrants connected to the municipal water distribution system. Homeowners will also have to be familiar and abide by the FireSmart Regulations under Section 14 of the Land Use Bylaw No. 632-2004. See figure 4.6.

SECTION 5.0

SEQUENCE OF DEVELOPMENT

5.1

SUBDIVISION

5.1.1

APPLICATION FOR RE-ZONING

An application for re-zoning this property from GCR1 to R-1A has been filed with the Municipality of the Crowsnest Pass. The re-designation request will be accompanied by this Area Structure Plan and all required supporting documents. See figure 5.1.







FIGURE 4.7

SAWBACK RIDGE

DOUGLAS J. BERGEN & ASSPCIATES LTD.

SAWBACK RIDGE CROWSNEST PASS, AB

LAND USE RE-DESIGNATION APPLICATION

FIGURE 5.1

MUNICIPALITY OF CROWSNEST PASS APPLICATION FOR A LAND USE BYLAW AMENDMENT

SCHEDULE 13	
Form G APPLICATION NO	
APPLICANT: DOUGLAS J. BERGEN & ASSOCIATES LTD ADDRESS: BOX 1667, COMPARE, AB. TIM IN3	
REGISTERED OWNER:	
ADDRESS:	
LEGAL DESCRIPTION: Lot(s)BlockPlan	5
PROPOSED AMENDMENT: FROM: GROUPED COUNTRY RESIDENTIAL (GCR-1)	
TO: PESIDENTIAL (P-1A)	
APPLICANT'S SUBMISSION: Please state your reasons for applying for this amendment. Attach a separate sheet if necessary.	
TO CREATE A QUALITY RESIDENTIAL DEVELOPMENT	23
THAT MEETS THE MANDATE OF THE MUNICIPALITY	' .
REGISTERED OWNER OR PERSON ACTING ON BEHALF OF:	
I certify that I am the registered owner or that the registered owner(s) of the land described above is aware of this application.	
Fees Submitted \$ 600.60	
Receipt No.	
DATE: NOV 8'07 SIGNED: Applicant	

5.1.2

APPLICATION FOR SUBDIVISION

An application for subdivision will be submitted to the Oldman River Regional Service Commission after re-zoning is approved. The application will comply with all requirements as a result of the re-zoning.

5.1.3

REGISTRATION OF RESTRICTIVE COVENANTS AND EASEMENTS

Prior to the sale of any of the individual units the developer will arrange to register a restrictive covenant on the title to include the architectural controls and development controls.

The private road easement as well as any other servicing easements that require registration will also be filed.

5.1.4

CONSTRUCTION AND PHASING

Construction of the access road as well as the underground servicing will commence shortly after subdivision approval and a development agreement is granted. All design and construction will be monitored by a qualified professional engineer. Phasing of the development will proceed as demand for lots is dictated by the market. See figure 5.2.



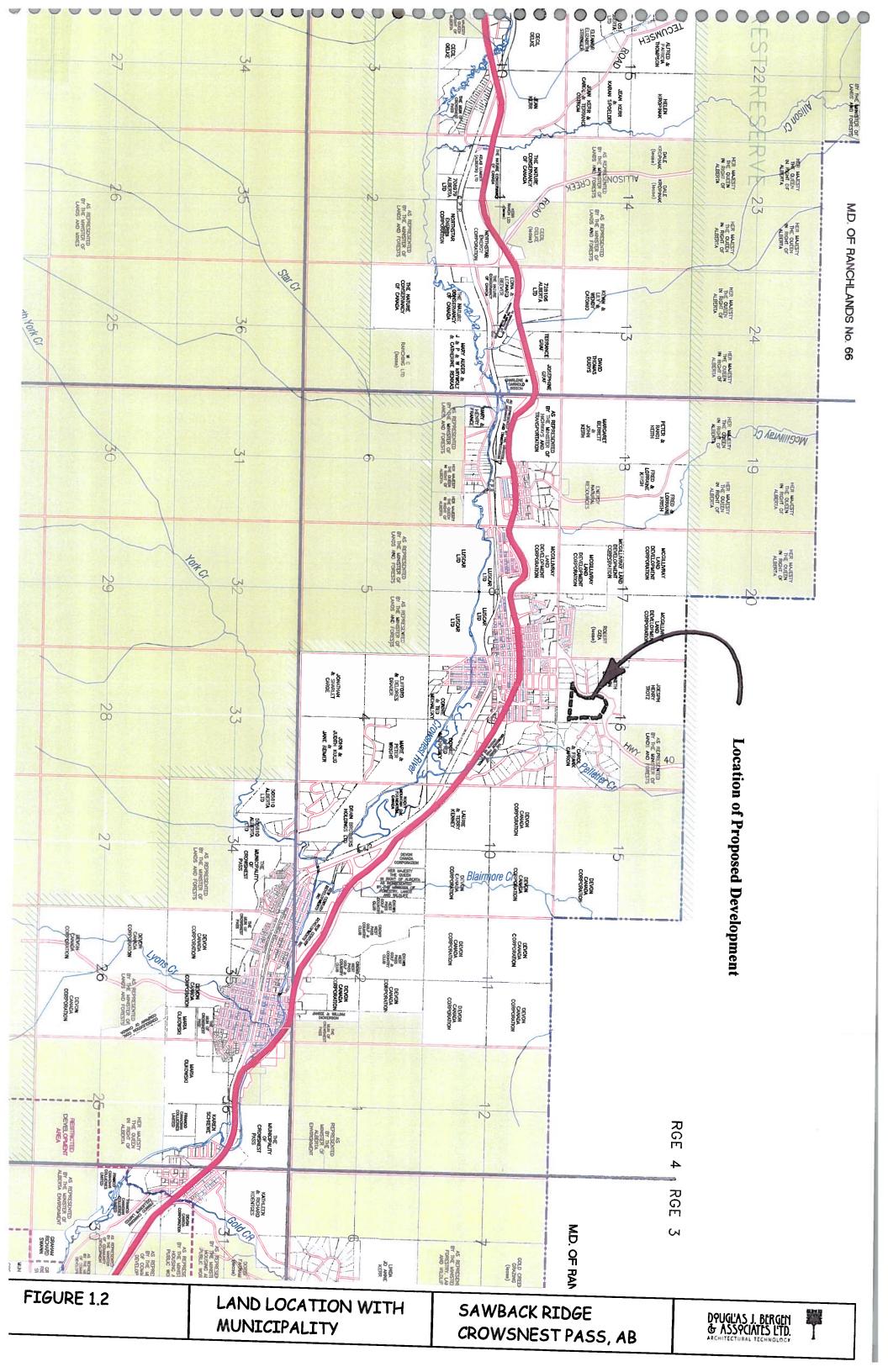


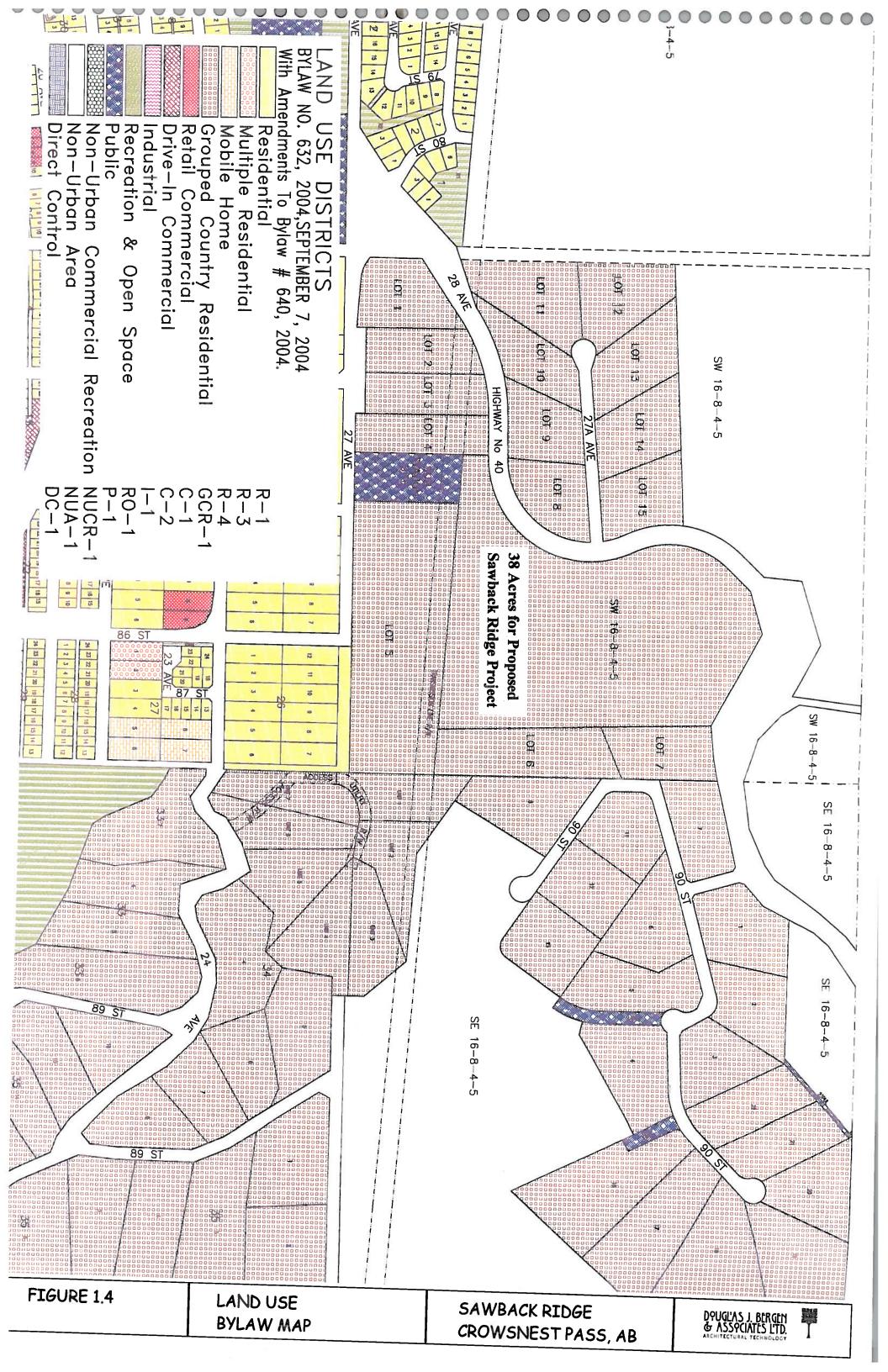


FIGURE 1.3

LEGAL SURVEY

SAWBACK RIDGE CROWSNEST PASS, AB

DOUGL'AS J. BERGEN & ASSOCIATES L'TD.



GROUPED COUNTRY RESIDENTIAL - GCR-1

PURPOSE: areas where no conflicts with adjacent urban or non-urban uses can be anticipated. To provide for a high-quality of clustered residential development in designated

		:
/150 cg ft / in area	Accessory buildings not over 13.9 m ²	TETRIL IED CUEU

Single-family dwellings Garages accessory to a single-family (150 sq. n.) in area dwelling

PROHIBITED USES

Shipping containers

DISCRETIONARY USES

Modular homes Moved-in buildings Home occupations Accessory buildings over 13.9 m² Mobile homes (150 sq. ft.) in area

Similar uses

Wind energy conversion systems (WECS)

'n MINIMUM LOT SIZE

1.2 hectares (3 acres).

ယ MINIMUM BUILDING SETBACKS

(100 sq. ft.)	Principal use Accessory hulldings over 9.3 m ²	Use	
15.2	15.2	3	Front Yard
· 50	50	;	Yard
15.2	15.2	3	Side Yard
50	50	7.	Yard
15.2	15.2	3	Rear Yard
50	50	7	Yard

MINIMUM FLOOR AREA

As required by the Municipal Planning Commission.

ĊJ OFF-STREET PARKING AND LOADING

As required by the Municipal Planning Commission.

9 **GENERAL REQUIREMENTS**

- a The Municipal Planning Commission may require the developer to prepare a detailed area structure plan which must accompany the initial development application.
- ਭ The Municipal Planning Commission should request comments from the appropriate provincial government department as to the effect of a development on wildlife habitat before approving a grouped country residential development.
- <u>ල</u> Prior to dealing with an application for a development in the vicinity of a major pipeline, sour gas pipeline or sulphur extraction plant, the Development Officer shall request comments from owners of the utility and the Alberta Energy and Utility Board.
- <u>a</u> Percolation tests to determine suitability for sewage disposal may be required by the Municipal Planning Commission prior to dealing with a development application.

- The Municipal Planning Commission approval, to enter into a development agreement with the municipality. may require the developer, as a condition of any
- Assessment for any grouped country residential subdivision and/or development. The Municipal Planning Commission may request a Wildland Urban Interface

3

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ADDITIONAL INFORMATION

Every application for grouped country residential development shall be details of how fire suppression and fire protection will be provided. accompanied by

- STANDARDS OF DEVELOPMENT See Schedule 4.
- HOME OCCUPATIONS See Schedule 8.
- WIND ENERGY CONVERSION SYSTEMS -See Schedule 12.

<u></u>

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Municipality of Crowsnest Pass Land Use Bylaw No. 632-2004

FIGURE 1.5a

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Municipality of Crowsnest Pass Land Use Bylaw No. 632-2004

RESIDENTIAL - R-1A

PURPOSE: To provide for a high-quality residential environment with the development of single-family dwellings on standard sized lots and other compatible uses.

PERMITTED USES

family dwellings
Garden sheds and other accessory Garages or carports accessory to single Single-family dwellings buildings with no permanent (150 sq. ft.) in area foundation and not over 13.9 m²

PROHIBITED USES

Sixplex dwellings Triplex dwellings

Shipping containers Manufactured homes Modular homes under 9.1 m (30 ft.) wide Moved-in buildings Mobile homes

Ņ MINIMUM LOT SIZE

Comer lots	All other uses	Single-family dwelling	Use	
	14			
	As re	13.7	3	¥
	quired by	13.7 45	.≓	Width
See S	y the Muni	30.5	3	Length
See Schedule 4	cipał Pla	100	.≠	gth
4	As required by the Municipal Planning Commission	30.5 100 418.1 4,500	₹.	≥
	ımlssion	4,500	sq. ft.	Area

MINIMUM BUILDING SETBACKS - with developable lane

All other uses	Single-family dwelling	Use	
As	6.1	3	Fron
required by	20	. =	Front Yard
As required by the Municipal Planning Commission	1.5	3	Side
ipal Planniı	(J)	;	Side Yard
ng Commis	7.6	3	Rear
sion	25	;≠	Rear Yard

MINIMUM BUILDING SETBACKS - no lane or undevelopable lane

	All uses		
		Use	
	6.1	3	Front Yard
	20	; ‡	Yard
3.0 10 on the other	1.5	3	Side
10 other	eide and	.≓	Side Yard
	7.6	3	Real
	25		Rear Yard

DISCRETIONARY USES

Modular homes over 9.1 m (30 ft.) wide Home occupations Accessory buildings over 13.9 m² (150 sq. ft.) in area

Signs Public park, playground or recreational uses Public institutional uses Private institutional uses

Similar uses

Utilities and services

MAXIMUM BUILDING HEIGHT Principal building

Principal building

Accessory buildings - 15%

MAXIMUM LOT COVERAGE

Accessory buildings - See Schedule 4 - 10 m (32.8 ft.)

MINIMUM FLOOR AREA

As required by the Municipal Planning Commission.

STANDARDS OF DEVELOPMENT - See Schedule 4.

LOT SETBACK WAIVERS - See Schedule

10. OFF-STREET PARKING AND LOADING - See Schedule 6.

Certificate of Title

CERTIFI

ED COPY OF



Certificate of Title

LINC 0032 619 629 SHORT LEGAL 5;4;8;16;SW

TITLE NUMBER: 071 409 620 +79 CONDOMINIUM PLAN

DATE: 15/08/2007

COALDALE
ALBERTA TIM 1N3
AS TO AN UNDIVIDED DOUGLAS J. BERGEN OF PO BOX 1667 THE TIME OF THIS 1/2 INTEREST CERTIFICATION ASSOCIATES LTD.

Ä

ARE THE OWNERS OF AN ESTATE IN FEE SIMPLE OF AND IN

BLAIRMORE ALBERTA TOK 0B0 AS TO AN UNDIVIDED 1/2 INTEREST

OF PO BOX 286

SIC COR STEWART INVESTMENT CAPITAL CORP..

MERIDIAN 5 RANGE 4 TOWNSHIP 8
SECTION 16
QUARTER SOUTH WEST
CONTAINING 64.7 HECTARES (160 ACRES) MORE OR LESS
EXCEPTING THEREOUT
FIRSTLY: 13.38 ACRES MORE OR LESS FOR ROADWAY AND
0.41 OF AN ACRE MORE OR LESS FOR CONNECTING ROAD
ON PLAN 2960JK SECONDLY:

EXCEPTING THEREOUT ALL MINES AND MINERALS ACRES 3.16 67.26 37.89

SUBDIVISION SUBDIVISION CONDOMINIUM

NUMBER 369LK 9611980 0714098

HECTARES

OR LESS

1.28 27.22 15.335

SUBJECT TO THE ENCUMBRANCES, LIENS AND INTERESTS NOTIFIED BY MEMORANDUM UNDERWRITTEN OR ENDORSED HEREON, OR WHICH MAY HEREAFTER BE MADE IN THE REGISTER.

ENCUMBRANCES, LIENS Ŗ٦ INTERESTS

REGISTRATION DATE (D/M/Y) PARTICULARS

29/09/1972 UTILITY RIGHT OF WAY
GRANTEE - ALTALINK MANAGEMENT LTD...
ATTN: TRANSMISSION LAND DEPT
PO BOX 20, STATION M

ALBERTA T2P2G9
"WEST 40 FT OF 1 CALGARY **EAST 1425** FT OF NORTH 40 闩 OF.

> SHORT NAME LEGAL

S

5;4;8;16;SW DOUGLAS J. BERGEN & ASSOCIATES LTD 071 409 620 +79

胃

REGISTRATION ENCUMBRANCES, LIENS INTERESTS

DATE (D/M/Y) PARTICULARS

961 192 22/08/1996 CAVEAT

RE : LEASE CAVEATOR -ONE, MOUNT PLEASANT ROGERS C ANTEL INC..

ONTARIO M4Y2Y5 AGENT - WALLIS TORONTO Q Ş MIE

15/08/2007 RE : DEVELOPMENT AGRE GOVERNMENT ACT CAVEATOR - THE MUNICI PO BOX 600 CAVEAT CROWSNEST PASS ALBERTA TOKOEO MUNICIPALITY OF CROWSNEST PASS EEMENT PURSUANT TO MUNICIPAL

409 618

REPRESENTED HEREIN THIS 15 DAY OF AUGUST HE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN ACCURATE REPRODUCTION OF



SUPPLEMENTARY INFORMATION

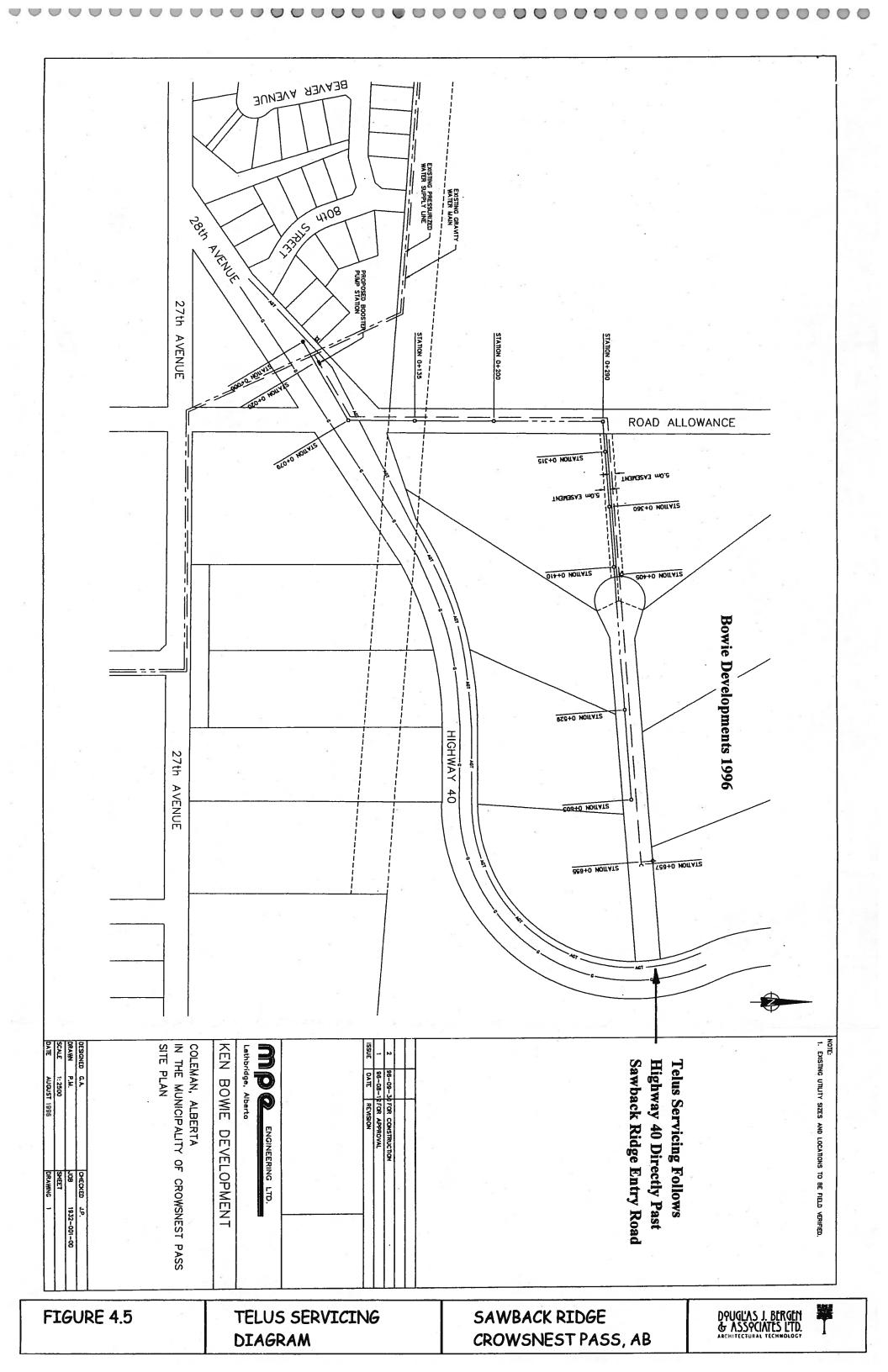
REFERENCE NUMBER: 061 247 809 MUNICIPALITY: MUNICIPALITY OF S WSNEST PASS

TOTAL INSTRUMENTS: 003

SAWBACK RIDGE CROWSNEST PASS, AB

DOUGL'AS J. BERGEN & ASSOCIATES L'TD. ARCHITECTURAL TECHNOLOGY





- (WUI) shall be subject to the requirements outlined in the schedule as well as those All subdivision and development located within or adjacent to the Wildland Urban Interface established in the "FireSmart" manuals prepared by Partners in Protection.
- 5 A Wildland Urban Interface map shall be prepared and adopted within this bylaw to identify critical development areas within the municipality.
- ယ The municipality, at its sole discretion, may require a developer to provide a higher development standard than those outlined in this schedule or this bylaw.
- 4. The Municipal Planning Commission may forward any subdivision or development application to Alberta Sustainable Resource Development or any appropriate government department for comment or concurrence prior to rendering a decision.
- Ċ part of the planning approval process. The Municipal Planning Commission may require an applicant to undertake a Wildland Urban Interface Risk Assessment and provide mitigative planning of a specific property as
- တ Any development within or adjacent to the Wildland Urban Interface shall be required to use FireSmart building materials and standards for new construction.
- 7 Any development within or adjacent to the Wildland Urban Interface shall be required to use FireSmart building materials and standards when replacing or retrofitting an existing dwelling unit or structure.
- œ The municipality shall supply a potential developer with an itemized list of FireSmart building materials and standards.
- 9 vacant or developed lots. The municipality may require a developer to remove vegetation or fuel load stockpiles on
- 6 The Development Authority shall require a minimum of 10 m (32.8 ft.) setback from an established vegetative cover for development within or adjacent to the Wildland Urban
- <u>.</u> As a condition of subdivision or development approval, the municipality may require a developer to implement specific landscaping standards (plant species, ground cover, fire
- 12. As part of the planning approval process, the municipality shall consider infrastructure development (access, egress, water supply, powerlines, propane tanks, water reservoirs
- 걾 The Subdivision Authority shall consider the provision of land for municipal and environmental reserve purposes adjacent to Wildland Urban Interface areas at the time of a subdivision approval

Municipality of Crowsnest Pass Land Use Bylaw No. 632-2004

- <u>4</u>. The developer may be required, as a condition of a Reserve and Municipal Reserve lands in zones 2 commencement of development. approval, to fuel modify Environmental and 3 (10 m to 200 m) prior to the
- The minimum development standards accepted by t interface developments are established in "FireSmart - Protecting Your Community from Wildfire" (PIP 1999). the Municipal Planning Commission for

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FIGURE 4.6

