
CITY OF KELOWNA
MEMORANDUM

DATE: June 23, 2008
TO: City Manager
FROM: Planning and Development Services Department
APPLICATION NO. DP07-0221 **OWNER:** Kane #2 Resources Ltd.
AT: 280 McIntosh Road **APPLICANT:** Protech Consultants Ltd.
PURPOSE: TO OBTAIN A ZONE AMENDMENT AND A DEVELOPMENT PERMIT
TO ALLOW FOR THE CONSTRUCTION OF A 4-STOREY 52-UNIT
MULTI-UNIT RESIDENTIAL DEVELOPMENT
EXISTING ZONE: RU6 - TWO DWELLING HOUSING
PROPOSED ZONE: RM5 - MEDIUM DENSITY MULTIPLE HOUSING
REPORT PREPARED BY: Corine (Cory) Gain, MCIP

1.0 RECOMMENDATION

THAT Final Adoption of Zone Amending Bylaw No. 9969 be considered by Council;

AND THAT Council authorize the issuance of Development Permit No. DP07-0221 for Lot 1 Section 26 Township 26 Osoyoos Division Yale District Plan 6518, located at 280 McIntosh Road, Kelowna, B.C. subject to the following:

- a) The dimensions and siting of the building to be constructed on the land be in general accordance with Schedule "A";
- b) The exterior design and finish of the building to be constructed on the land be in general accordance with Schedule "B";
- c) Landscaping to be provided on the land be in general accordance with Schedule "C";
- d) Landscaping to be provided on the land shall be in general accordance with Schedule "C" attached to this permit. Any designated landscaping area between the property line and the existing road curb or sidewalk will be completed concurrently with landscaping within the property lines. New trees and shrubs shall follow a consistent lateral placement and be set back a minimum of 1.0 m from all underground utilities. Further, all required landscape buffer areas shall be watered by a fully automatic irrigation system with no run-off onto sidewalks, streets or parking areas. The applicant shall be required to post with the City a Landscape Performance Security deposit in the form of a "Letter of Credit" in the amount of 125% of the estimated value of the landscaping, as determined by a professional landscaper.

AND FURTHER THAT the applicant be required to complete the above-noted condition d) within 180 days of Council approval of the development permit application in order for the permit to be issued.



2.0 SUMMARY

The applicant is proposing to construct a 52-unit, 4-storey multi-family residential building on the subject properties that complies with the proposed RM-5 zoning designation.

3.0 ADVISORY PLANNING COMMISSION

At the regular meeting of March 11, 2008 it was resolved:

THAT the Advisory Planning Commission supports Rezoning Application No. Z07-0078, for 280 McIntosh Road, Lot 1, Plan 6518, Twp. 26, Sec. 26, ODYD, by Protech Consultants (G. Maddock), to rezone from RU6 - Two Dwelling Housing zone to RM5 - Medium Density Multiple Housing to allow construction of a 4-storey 52-unit multi family residential development;

THAT the Advisory Planning Commission supports Development Permit Application No. DP07-0221, for 280 McIntosh Road/Lot 1, Plan 6518, Twp. 26, Sec. 26, ODYD, by Protech Consultants (G. Maddock), to obtain a Development Permit to allow the construction of a 4-storey 52 unit apartment building containing 12 1-bedroom units & 40 2-bedroom units.

4.0 BACKGROUND

The property under application is located on the northeast corner of Asher and McIntosh Roads in the Rutland Urban Centre area. The .37 ha RU6 zoned property is currently occupied by a single-family dwelling. The Official Community Plan designation of the properties is MRM – Multiple Unit Residential – Medium Density. This designation supports the rezoning request. No variances are required to facilitate the requested zoning change.

4.1 The Proposal

The proposed building is consistent with the general character of the residential developments proposed in the surrounding neighbourhood. It is expected that the proposed project will be a positive addition to the community, compatible in function with other residential developments and the nearby commercial and recreational opportunities.

The subject property is flat and allows for construction of an underground parking structure below the building. The proposed parking structure to the 4-storey, 52-unit multi-family residential building will be accessed by way of the existing lane that runs parallel to McIntosh Road on the north side of the property. Four floors of residential units will be constructed over the underground parkade. The proposed building would consist of 42 two-bedroom units ranging in size from 80 m² (693 ft²) to 114 m² (1229 ft²) and ten 64 m² (693 ft²) one-bedroom units. The permitted maximum floor area ratio (FAR) in the RM5 zone is 1.3 with parking provided totally beneath the building. A portion of the parking requirement has been provided at grade; the resulting maximum FAR for this development is 1.265. The applicant has redesigned the proposed development to meet the FAR/density provisions of the RM5 zone. The proposed building footprint of 1355.8 m² yields a building site coverage of 36.2% and a total site coverage of 47.8% including buildings, patios and driveways. Both of these proposed site coverages are within the maximum allowable under the Zoning Bylaw. The re-design of the proposed development provides additional private outdoor amenity space to future residents.

The zoning bylaw parking requirement for a total of 76 vehicle parking stalls; 26 Class I and 6 Class II bicycle parking spaces are satisfied by the proposal. A total of thirteen parking spaces at grade accessed from the rear lane.

All document submissions have been prepared by registered professionals with due attention to the applicable best practices in their fields of expertise. Modifications have been made to the original proposal submission to address issues of form and character, including the addition of façade detail in the form of increased usage of cultured stone and wooden arbor elements. The applicant has also increased the size of unit patios and provided a meeting room for the use of residents to provide more useable space for unit residents.

Low water intake and native plant species have been incorporated into the Landscape Plan. Main floor units adjacent to the Asher and McIntosh Road frontages will feature gated patios with access via stepping stones to the on-site walkway. The intention to integrate the building with its site and by extension, the adjoining neighbourhood, is achieved. The proposed garden plots with decorative trellises are very commendable landscape features. The decorative trellises over the parking adjacent to the lane softens the parking area and adds pattern and texture to the base of the building that has been repeated at the front of the building to provide greater interest directly adjacent to the building entrance. For security reasons the on-site walkway will not extend the entire perimeter of the site. Units to the rear of the building will feature patios with railings that do not promote access to the rear of the building. The applicant advises that this preference for security over accessibility has been expressed by the market at other Rutland area developments. The architect has addressed this and other Crime Prevention through Environmental Design issues in preparing the application proposal.

The colour board provided with the application respects the Planning and Development Services Department preference for timeless earth tones colours typical of the Okanagan landscape.

A thorough review of the zoning bylaw requirements has confirmed that the proposed development satisfies applicable provisions. No variances to the zoning bylaw are required.

The application meets the requirements of the RM5 Medium Density Housing zone as follows:

CRITERIA	PROPOSAL	RM5 ZONE REQUIREMENTS
Site Area (m ²)	3,747 m ² / .37 ha.	1400 m ²
Site Width (m) (Post road dedication)	49.64 m	30 m
Site Depth (m) (Post road dedication)	75.49 m	35 m
Site Coverage (%)	36.2% (47.8% Total)	50% (60% including buildings, driveways and parking areas)
F.A.R.	1.265	1.1 + (63/76 x .2) = 1.265
Height (m)	14 m	16.5 m
Storeys (#)	4 storeys	4 storeys
Setbacks (m)		
- Front/McIntosh (South)	6.0 m	6.0 m
- Flanking Street/Asher (West)	7.5 m	6.0 m
- Side (East)	7.5 m	7.5 m
- Rear (North)	9.0 m	9.0m or 7.5m where this is a rear lane
Private Open Space	Private Decks 592 m ² Ground Level 594 m ² Meeting Room 15 m ² Total: 1201 m²	10 units x 15m ² 42 units x 25m ² TOTAL: 1200 m²
Parking Stalls (#)	76 spaces	10 units x 1.25 spaces per unit 42 units x 1.5 spaces per unit Total Required: 76 spaces

CRITERIA	PROPOSAL	RM5 ZONE REQUIREMENTS
Bicycle Stalls (#)	36 spaces	Class I: 0.5/dwelling (26 spaces) Class II: 0.1 per unit (6 spaces) Total Required: 32 spaces
Length of continuous building frontage	33 m	Maximum 40 m for a 4 storey building

4.2 Site Context

Adjacent zones and uses are, to the:

- North - RU1 – Large Lot Housing
- East - RM3 – Low Density Multiple Housing
- South - RM3 – Low Density Multiple Housing
- West - RU1 – Large Lot Housing and RU6 – Two Dwelling Housing

4.3 Site Location Map (See attachments)

Subject Property: 280 McIntosh Road

4.4 Current Development Policy

2.4.1 Official Community Plan (OCP)

8.2 **Development Permit Guidelines for Form and Character of Multiple Unit Development:** Objectives for Multiple Unit Residential Development:

- "All development should be an appropriate response to its physical context, or anticipated future context where an area is designated for increased density or land use transition in the OCP.
- All development within Urban Centres and Village Centres should contribute to the creation of pedestrian-oriented streets and public spaces (connections, social interaction).
- All development should contribute to a sense of community identity and sense of place (integration of development within larger community, belonging, and community cohesiveness).
- All development should facilitate access by, and minimize conflicts among pedestrian, bicycle, and vehicular modes of transportation (access, mobility).
- All development should promote safety and security of persons and property within the urban environment (CPTED)"

6.9 **Guidelines for Development within Urban Centres Issues** to be considered:

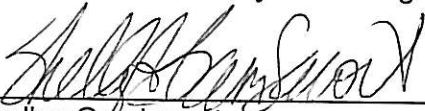
- Design should facilitate pedestrian and bicycle access
- Vehicle access and on-site circulation should minimize interference with pedestrian movement

- Vehicle access from arterial or collector roads is discouraged. Where possible, such access should be achieved from a local road or lane.
- Loading, garbage and other ancillary services should be located at the rear of buildings.
- Within multiple-unit residential developments, variation between architectural bays within each façade is encouraged.
- Guidelines for Crime Prevention through Environmental Design Guidelines (CPTED) should be followed.
- Lighting shall be used to create a safe and comfortable environment for pedestrians.
- Parking areas should, wherever possible and safe, be located either under buildings or at the rear of side of main buildings.
- Within multiple-unit residential projects, first storey units should ideally provide ground-level access and outdoor amenity space
- Within multiple-unit residential projects, the principle front entranceway should be clearly identified and in scale with the development.

5.0 TECHNICAL COMMENTS (See Attachment 'M')

6.0 PLANNING AND DEVELOPMENT SERVICES DEPARTMENT

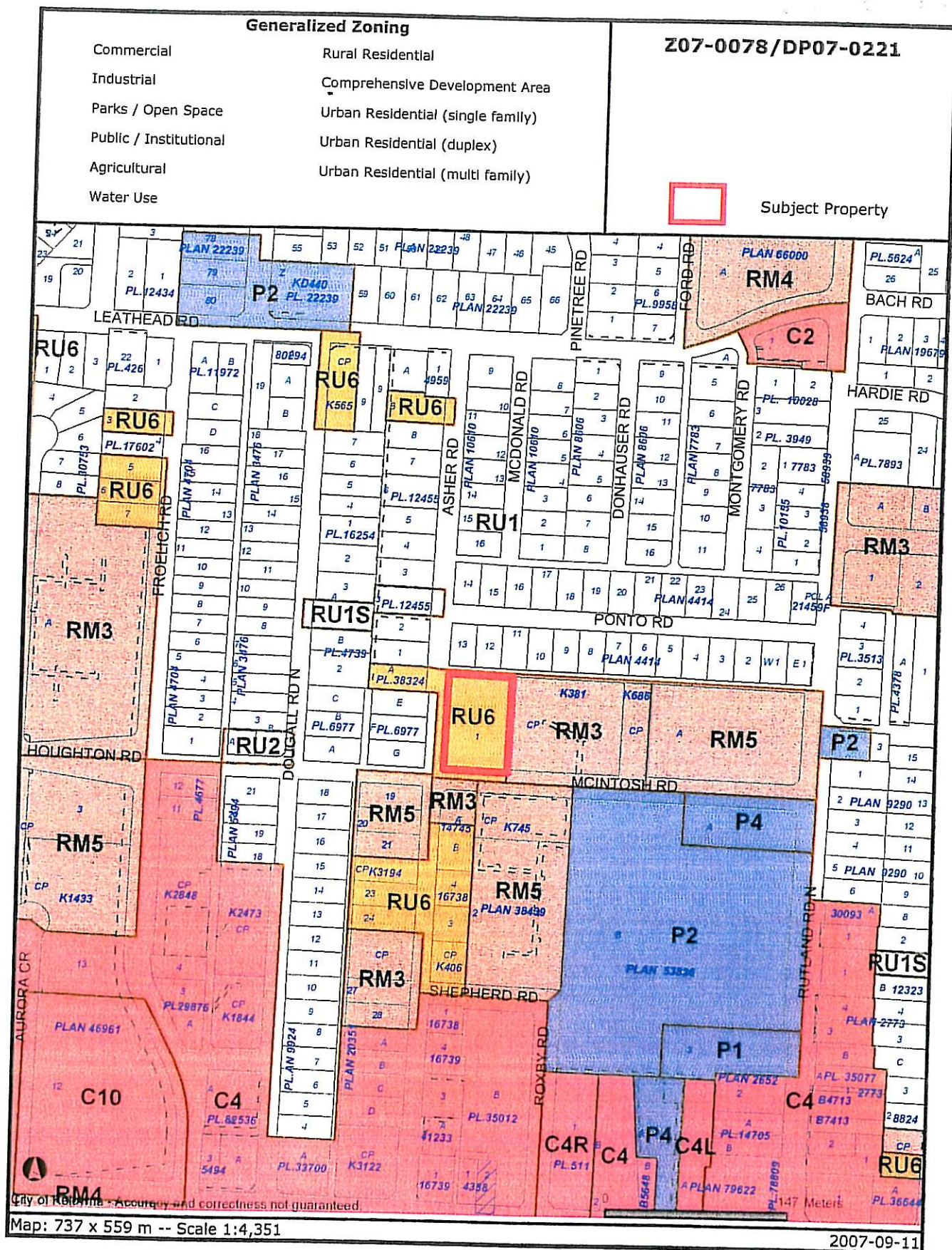
The Planning and Development Services Department is satisfied that the applicant has given due consideration to the Development Permit Form and Character guidelines for multi-unit residential development with respect to the subject application. The proposed zoning respects the Official Community Plan designation.

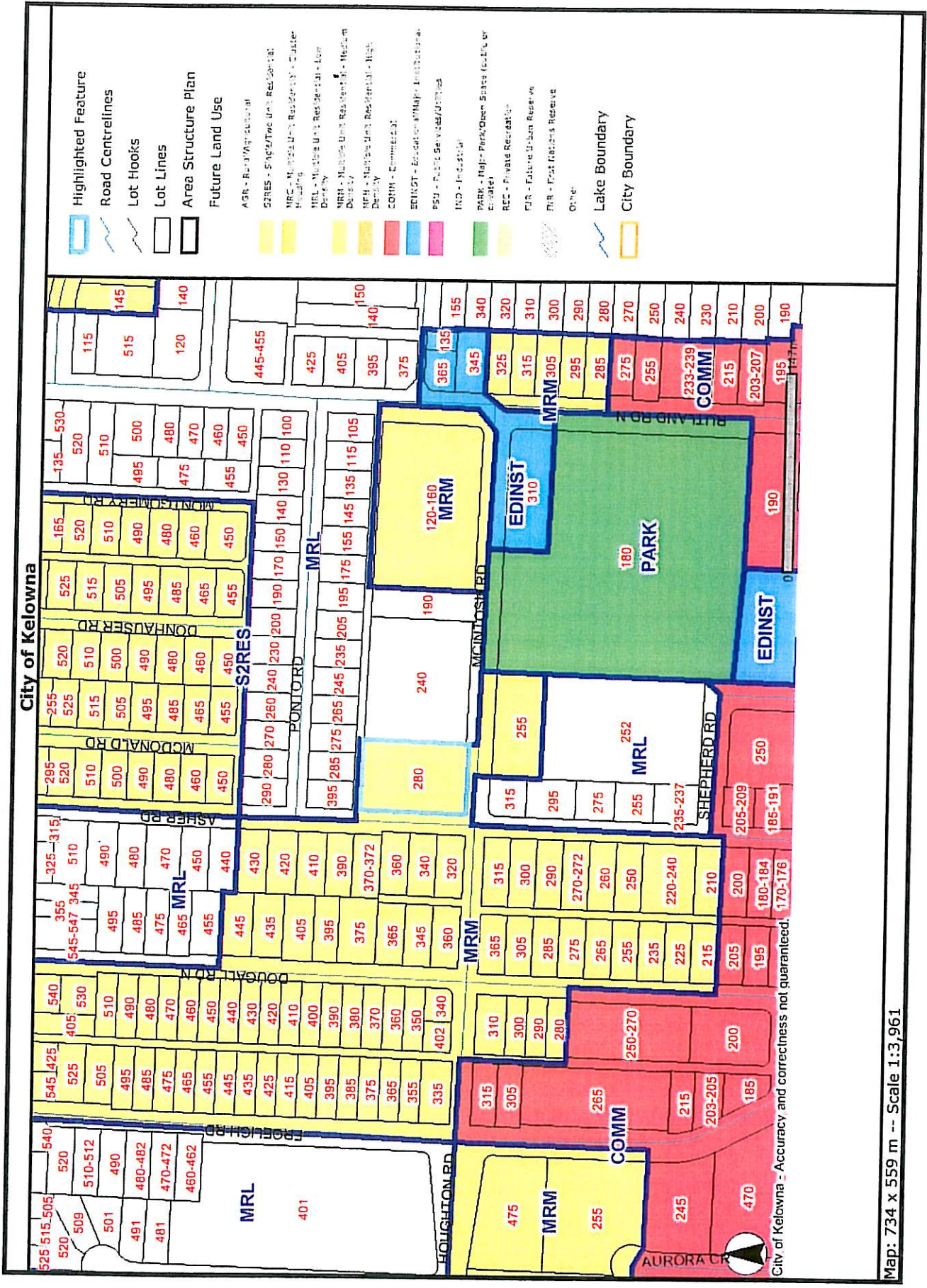

 Shelley Gambacort
 Current Planning Supervisor

SG/cg

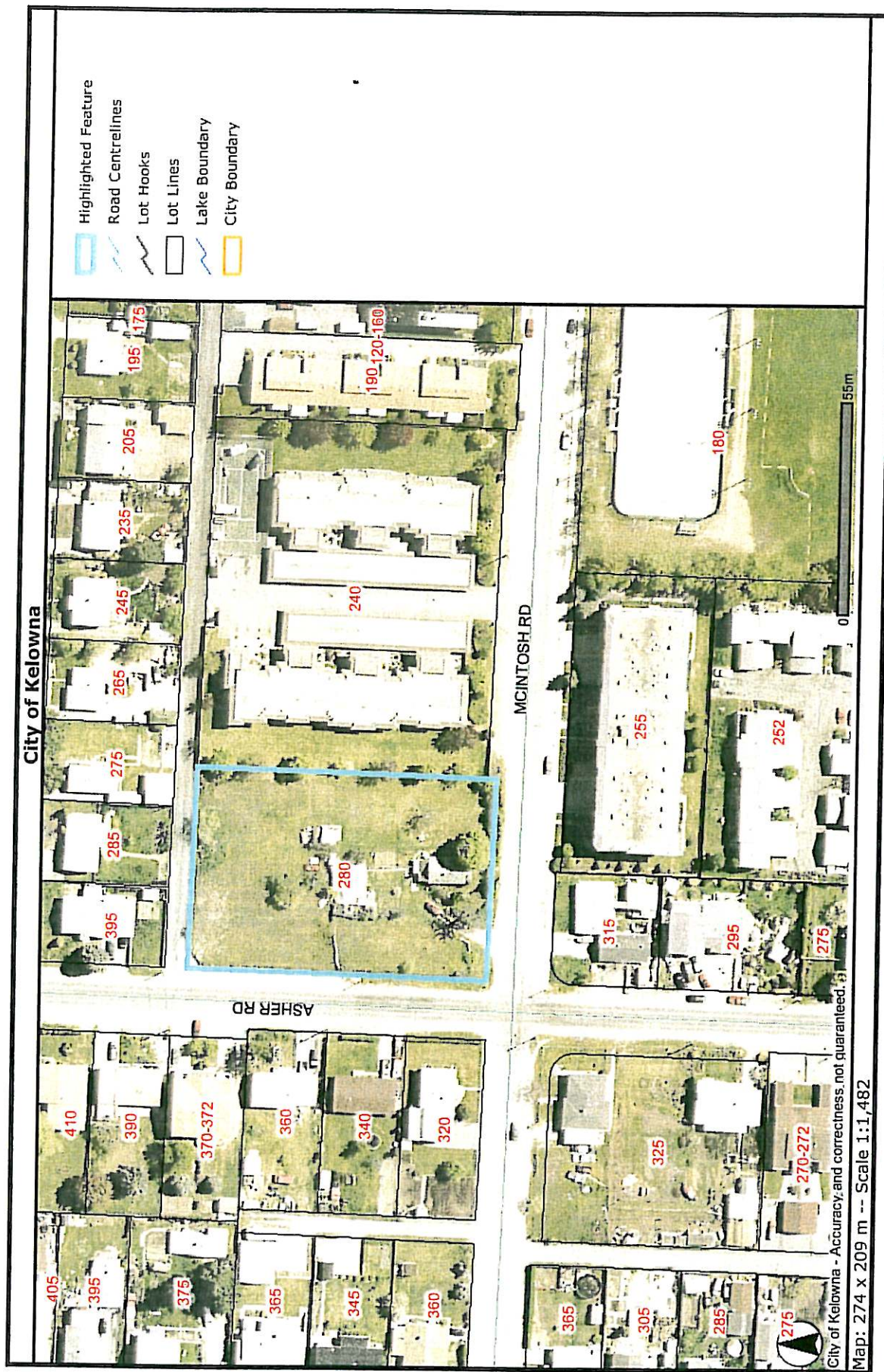
ATTACHMENTS:

- A - Location Map with Generalized Zoning
- B - Future Land Use Map
- C - Orthophoto (2006)
- D - Artist's Rendering
- E - Colour Board
- F - Entrance Detail
- G - Parking Plan (Drawing P1)
- H - Site/Main Floor Plan (Drawing P2)
- I - 2nd, 3rd & 4th Floor Plan (Drawing P3)
- J - Roof Plan (Drawing P4)
- K - Elevations (Drawing P5)
- L - Landscape Plan (Drawing L.1 of 1)
- M - Development Application File Circulation Report (Technical Comments)





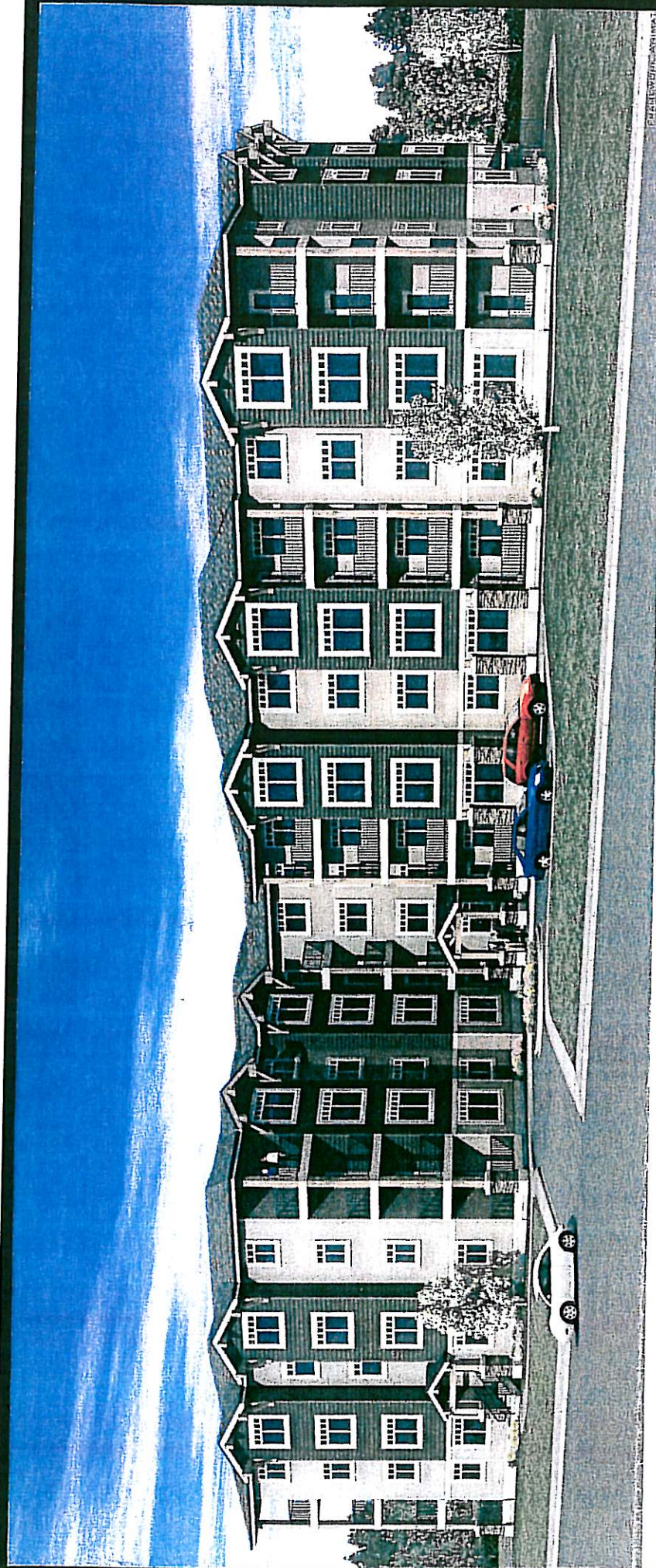
This map is for general information only. The City of Kelowna does not guarantee its accuracy. All information should be verified.



This map is for general information only. The City of Kelowna does not guarantee its accuracy. All information should be verified.

**McIntosh Road
Water Street Architecture**





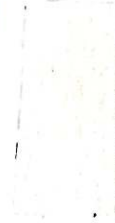
Roof – Weathered Wood



Rock Columns – Cultured Stone



Vinyl Siding – Wicker



Hardi-Plank – Mountain Sage



Trim – Cashmere



Wood Accent



Railings



McIntosh Properties

Water Street Architecture
1485 Water Street
Kelowna BC V1Y 1J7



SITE DATA

RMS -MULTI FAMILY RESIDENTIAL

NET SITE AREA 40,322 ft² = 3,746 m²

BUILDING AREA 14,595 ft² = 1,355.6 m²

SITE COVERAGE 36.2%

PARKING / DRIVEWAYS 47.5%

TOTAL SITE COVERAGE 47.5%

GROSS FLOOR AREA 57,392 ft² = 5,331.7 m²

NET FLOOR AREA (total area of units) 51,036 ft² = 4741.2 m²

FLOOR AREA RATIO ALLOWED - 1.100

ADDITIONAL F.A.R. ALLOWED - .029

TOTAL F.A.R. ALLOWED - 1.129

FLOOR AREA RATIO PROVIDED - 1.100

AREA OF UNITS - 51,036 FT²

SITE AREA - 40,322 FT²

PARKING REQUIRED - 630 STALLS

NUMBER OF UNITS - 52

PARKING PROVIDED - 76 STALLS

PRIVATE OPEN SPACE REQUIRED - 15 M² x 10 (1 B.R. UNITS) - 150 M²

25 M² x 42 (2 B.R. UNITS) - 1050 M²

(12,917 SQ. FT.) 1200 M²

PRIVATE OPEN SPACE PROVIDED - 6372 FT²

PRIVATE DECKS - 6372 FT²

GROUND LEVEL - 6393 FT²

MEETING ROOM - 160 FT²

PRIVATE OPEN SPACE - 12,925 FT²



Doug Lane
water steel architecture inc.
1 member architectural institute of british columbia
p. 250.762.2235 f. 250.762.4854 e. wsa@watersteel.ca
suite 2 1552 water street, kelowna, bc v1y 1j7

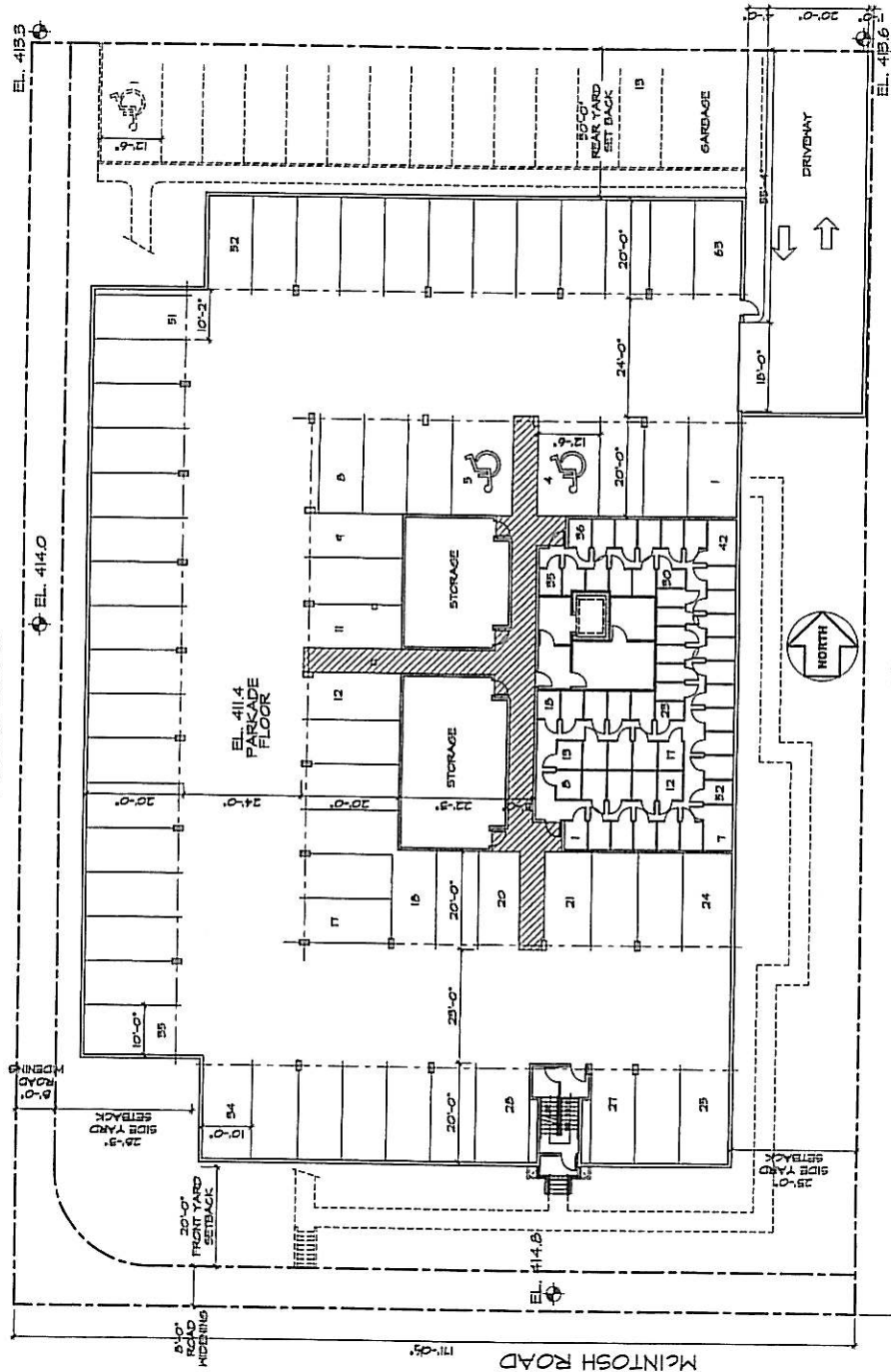
PROJECT:
McIntosh Property

DRAWING TITLE:
PARKING PLAN

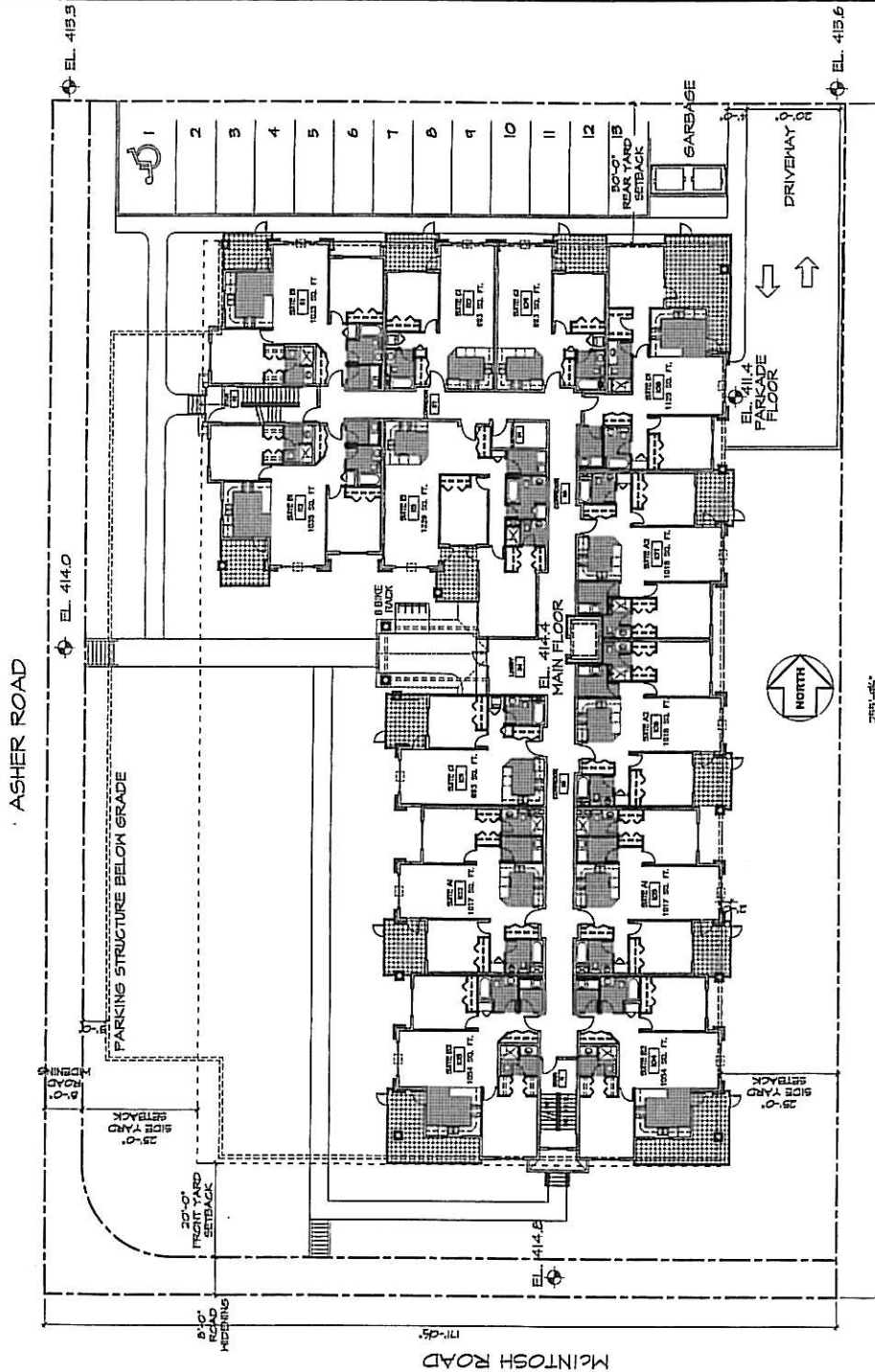
DRAWN BY: DL
CHECKED BY: DL
DATE: FEB. 14, 2005
SCALE: 1/16"=1'-0"
PROJECT NO.: 2007-XX
DRAWING NO.: P1

UNITS	AREA sq.ft.	MAIN	2'nd	3'rd	4'th	NO. OF EACH UNIT TYPE	TOTAL AREA OF EACH UNIT TYPE
A1 2BR	1017	2	2	2	2	8	8136 sq.ft.
A2 2BR	1018	2	2	2	2	8	8144 sq.ft.
B1 2BR	1035	2	2	2	2	8	8280 sq.ft.
B2 2BR	1054	2	2	2	2	8	8432 sq.ft.
C1 1BR	693	3	3	3	3	10	6930 sq.ft.
C2 2BR	859	0	0	1	1	2	1718 sq.ft.
D1 2BR	1120	1	1	1	1	4	4480 sq.ft.
E1 2BR	1229	1	1	1	1	4	4916 sq.ft.
TOTAL NO. OF UNITS						52	
TOTAL AREA OF UNITS							51,036 sq.ft. (4741.2 sq.m.)

ASHER ROAD



BASEMENT PARKING PLAN



water steel architecture inc.
10000 architecture parkway
p. 250.762.2235 f. 250.762.2584 e. wsa@shaywitz.ca
suite 2 1502 water street, kelowna, bc v1y 1j7

PROJECT:
McIntosh Property

DRAWING TITLE:
SITE / MAIN
FLOOR PLAN

DRAWN BY:
A.M.

CHECKED BY:
DL

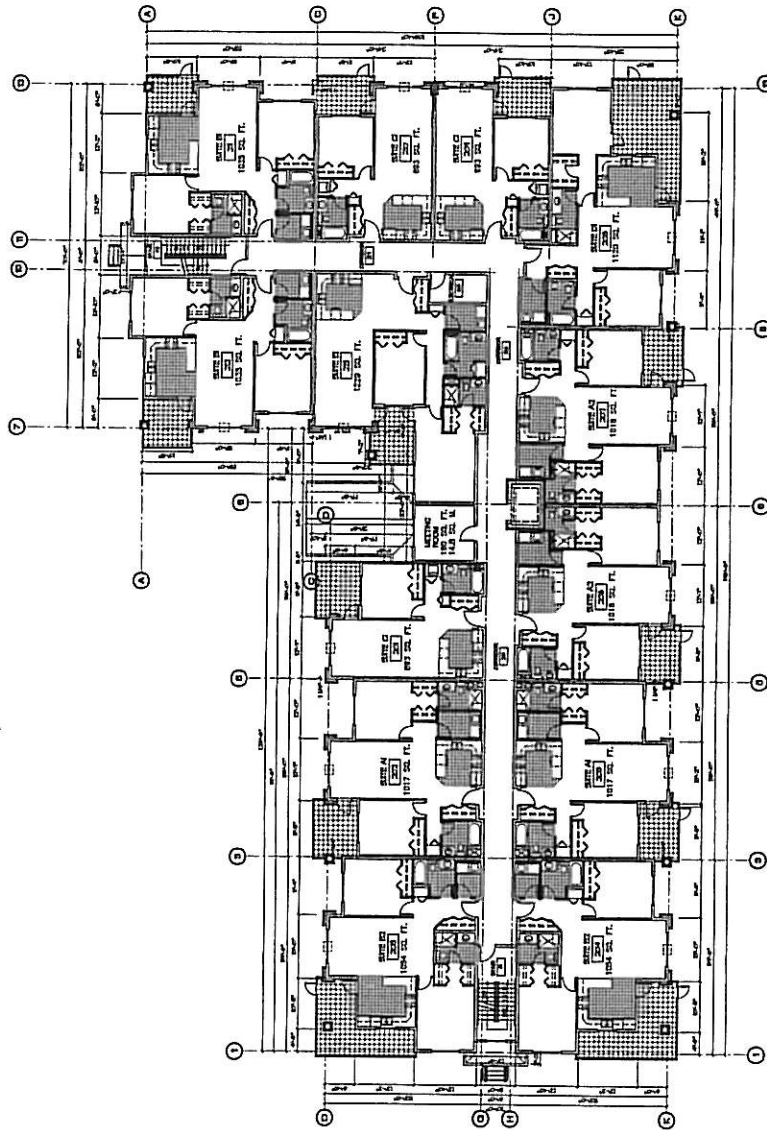
DATE:
FEB. 20, 2009

SCALE:
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PROJECT NO.: 2007-XX

DRAWING NO.:

P2



SECOND FLOOR PLAN

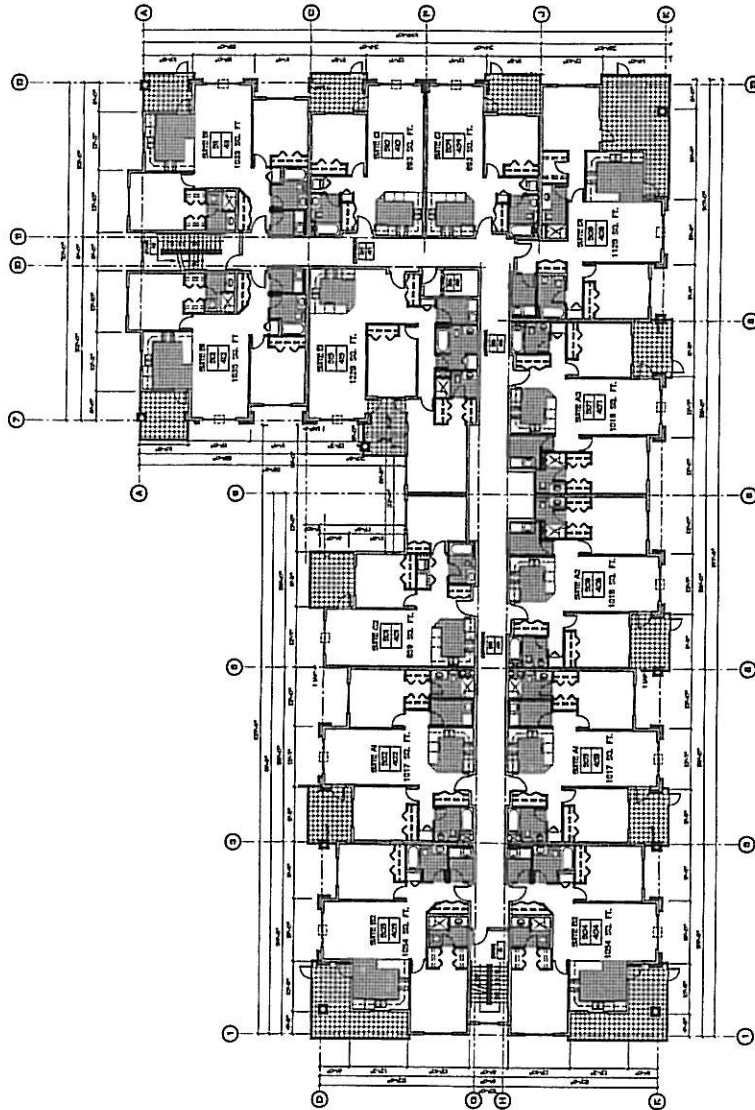


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p. 250.762.2235 t. 250.762.4594 e. wsa@shawbiz.ca
suite 2 1562 water street, kelowna, bc v1y 1j7

PROJECT:
McIntosh Property

DRAWING TITLE:
SECOND
FLOOR PLAN

DRAWN BY: A.M.	CHECKED BY: P.L.
DATE: FEB. 14, 2006	SCALE: 1/16"=1'-0"
PROJECT NO.: 2007-XX	DRAWING NO.: P3



THIRD & FOURTH FLOOR PLANS



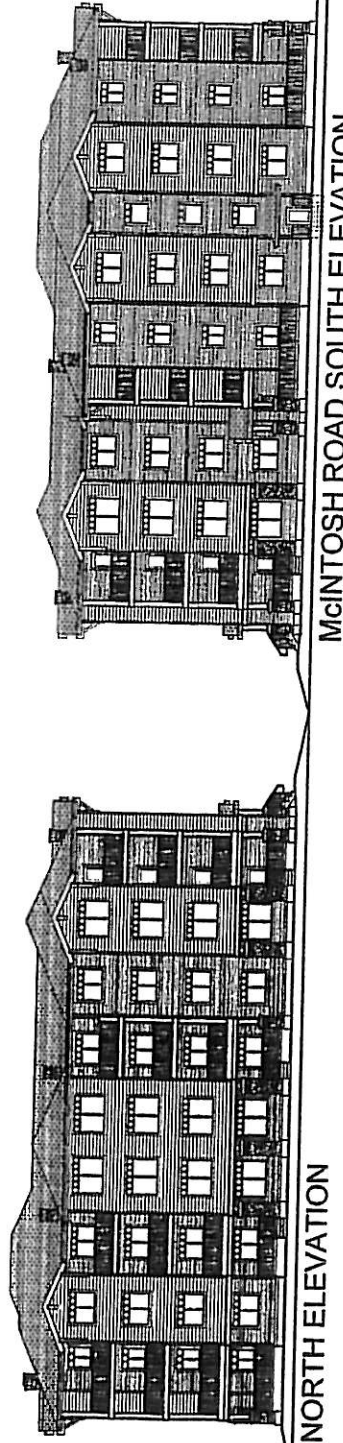
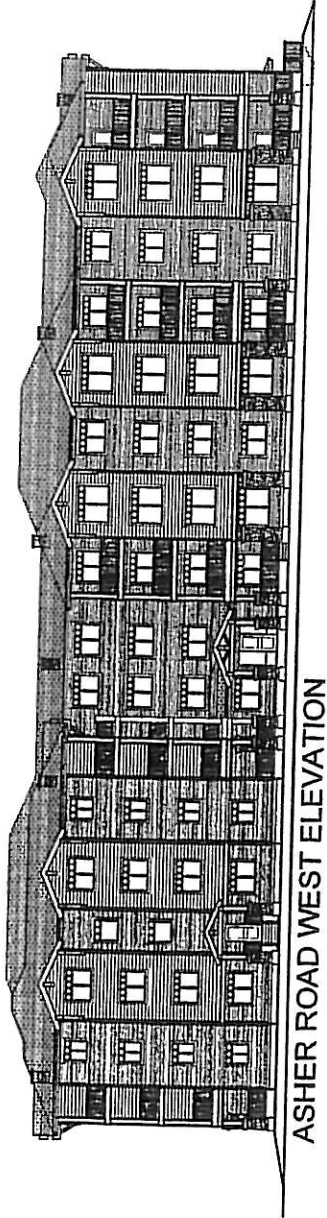
Water Street Architecture Inc.
Doug Lane
1 member architectural firm of three owners
p. 250.762.2235 f. 250.762.4584 e. wsa@waterstreetarch.com
suite 2 1552 water street, kelowna, bc v1y 1j7

PROJECT:
McIntosh Property

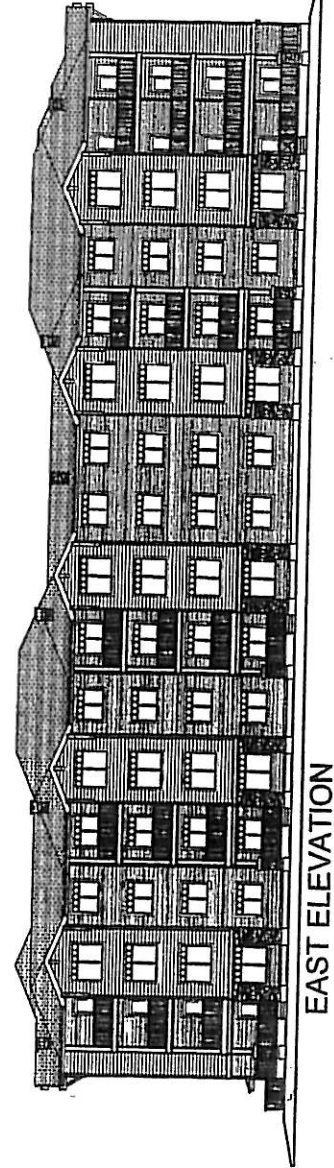
DRAWING TITLE:
THIRD & FOURTH
FLOOR PLANS

DRAWN BY: A.M.	CHECKED BY: D.L.
DATE: FEB. 14, 2008	SCALE: 1/8"=1'-0"
PROJECT NO.: 2007-XX	DRAWING NO.:

P4



McINTOSH ROAD SOUTH ELEVATION



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suite 2 1502 water street, kelowna, bc v1y 1j7

PROJECT:

McIntosh Property

DRAWING TITLE:
ELEVATIONS

DRAWN BY: ML	CHECKED BY: DL
DATE: AUGUST 13, 2007	SCALE: 1/16"=1'-0"
PROJECT NO.: 2007-XX	DRAWING NO.: P5

File: Z07-0078

Application

File: Z07-0078

Type: REZONING

File Circulation

Seq	Out	In	By	Comment
				B.C. Assessment Authority (info only)
	2007-09-11	2007-09-11		
				Canada Post
	2007-09-11	2007-12-10		No response.
				Community Development & Real Estate Mgr
	2007-09-11	2007-09-28	SALEXANC	Land Comments for Inclusion in Council Report: Please contact the Land Agent for road dedications over 20 metres in width, land dedications and land transfers to or from the City of Kelowna, road closures and road reserves. Depending on the type of land transaction being contemplated, the processing time can vary from 3 weeks to 3 months. The Land Department requires a full size copy, together with an 8 ? x 11 copy, of any survey plans.
				Fire Department
	2007-09-11	2007-10-19	MNEID	Fire department access, fire flows, and hydrants as per the BC Building Code and City of Kelowna Subdivision Bylaw. It appears hydrant water supply may be inadequate. Engineered fire flows required to determine if present hydrant location, number of hydrants, and hydrant volume will be adequate. Code analysis required stating type of occupancy and confirming Section 3.2.5 of the BC Building Code, 2006, are met (detail equivalencies, if any).
				FortisBC
	2007-09-11	2007-12-10		No response
				Inspections Department
	2007-09-11	2007-10-08	RREADY	Confirm fire fighting access as per BCBC 2006 3.2.5. ie: within 15 metres with Fire Dept.
				Irrigation District - RWW
	2007-09-11	2008-02-13		no response.
				Mgr Policy, Research & Strategic Plannin
	2007-09-11	2007-09-25		Comments too extensive for posting here. Please refer to related comments in email dated Sept. 25/07.
				Ministry of Transportation
	2007-09-11	2007-10-04		see file.
				Park/Leisure Services Dir. (info only)
	2007-09-11	2007-09-11		
				Parks Manager
	2007-09-11	2007-09-20	TBARTON	The City of Kelowna Boulevard Maintenance By-Law No. 5708-84 requires the residents to be responsible to weed, water and mow the boulevards adjacent to their properties. They will also be responsible for maintaining the boulevard in a reasonably tidy condition, free and clear of garbage, litter or debris.
				Public Health Inspector
	2007-09-11	2007-09-24		No comment
				RCMP
	2007-09-11	2007-12-10		No response
				School District No. 23
	2007-09-11	2007-12-10		No response
				Shaw Cable
	2007-09-11	2007-09-18		Owner/Developer to supply and install an underground conduit system per Shaw Cable drawings and specifications.
				Telus
	2007-09-11	2007-10-16		TELUS will provide underground facilities to this development. Developer will be required to supply and install conduit as per TELUS policy.
				Terasen Utility Services
	2007-09-11	2007-12-10		No response.
				Works & Utilities
	2007-09-11	2007-10-23		see comments under document tab

CITY OF KELOWNA
MEMORANDUM

Date: October 16, 2007
File No.: Z07-0078
To: Planning & Development Services Department (CG)
From: Development Engineer Manager (SM)
Subject: 280 McIntosh Road – Lot 1, plan 6518, section 26, Township 26, ODYD

The Works & utilities Department comments and requirements regarding this application are as follows:

These are W. & U. initial comments and they may be subject to MOT requirements

1. Subdivision
 - a) Consolidate the lots.
 - b) Dedicate approximately 2.50 m. along the McIntosh Road frontage to achieve an ultimate 20.0 m. road right of way.
 - c) Dedicate approximately 2.50 m. along the Asher Road frontage to achieve an ultimate 20.0m. road right of way.
 - d) Dedicate a 6.0m. radius at South-West corner of the property for the corner of McIntosh Road and Asher Road.
 - e) Dedicate a 3.0m. truncation at the North-West corner of the property for the corner of the lane and McIntosh Road.
2. Geotechnical Study.

A comprehensive Geotechnical Study is required, which is to be prepared by a Professional Engineer competent in the field of geotechnical engineering, the study is to address the following:

- a) Overall site suitability for development.
- b) Presence of ground water and/or springs.
- c) Presence of fill areas.
- d) Presence of swelling clays.
- e) Presence of sulfates.
- f) Potential site erosion.
- g) Provide specific requirements for footings and foundation construction.
- h) Provide specific construction design sections for roads and utilities over and above the City's current construction standards

3. Domestic water and fire protection.

This development is within the service area of the Rutland Waterworks District (RWD). The developer is required to make satisfactory arrangements with the RWD for these items. All charges for service connection and upgrading costs are to be paid directly to the RWD. The developer is required to provide a confirmation that the district is capable of supplying fire flow in accordance with current requirements for the zone currently applied for under this application.

A watermeter is mandatory as well as a sewer credit meter to measure all the irrigation water. Watermeters must be housed in an above-ground, heated, accessible and secure building, either as part of the main site buildings or in a separate building. Remote readers units are also mandatory on all meters.

4. Sanitary Sewer.

- a) The subject property is serviced by the Municipal wastewater collection system and is located within specified area #1.
- b) A new sanitary service, sized and conveniently located to accommodate the proposed development will be required. The redundant 100 mm. diameter service must permanently be disconnected. The cost of disconnecting the old service and installing a new service will be determined when an application for the new service is received by the City Inspection Services Department

5. Drainage.

A comprehensive site drainage management plan and design to comply with the City's drainage design and policy manual, is a requirement of this application. The drainage study should indicate the size and location of the ground recharge system. This plan can become part of the geotechnical study to identify possible ground recharge/detention areas.

6. Power and Telecommunication Services.

The subject property is located within the Rutland Town Centre. The services to this development and adjacent overhead distribution are to be installed underground. It is the developer's responsibility to make a servicing application to the respective utility companies. The utility companies are then required to obtain the city's approval before commencing their works.

7. Road improvements.

a) McIntosh Road

The applicant is responsible for the upgrade of McIntosh Road to a paved urban collector standard (SS-R5). The construction consists of curb, gutter and sidewalk, fillet paving, storm drainage works, removal and/or relocation of utilities as may be required, etc. The estimated cost for this work, for bonding purpose, would be **\$40,700.00**, inclusive of a bonding contingency (Utility poles relocation not included).

b) Asher Road

The applicant is responsible for the upgrade of Asher Road to a paved urban collector standard (SS-R5). The construction consists of curb, gutter and sidewalk, fillet paving, storm drainage works, removal and/or relocation of utilities as may be required, etc. The estimated cost for this work, for bonding purpose, would be **\$67,400.00**, inclusive of a bonding contingency (Utility poles relocation not included).

c) Lane

The applicant is responsible for the paving of the lane to current City standard complete with storm drainage and relocation of existing utilities if required. The estimated cost for this work, for bonding purpose, would be **\$35,900.00**, inclusive of a bonding contingency (Utility poles relocation not included).

8. Design and Construction.

- a) Design, construction supervision and inspection of all off-site civil works and site servicing must be performed by a Consulting Civil Engineer and all such work is subject to the approval of the City Engineer. Drawings must conform to City standards and requirements.
- b) Engineering drawing submissions are to be in accordance with the City's "Engineering Drawing Submission Requirements" Policy. Please note the number of sets and drawings required for submissions.
- c) Quality Control and Assurance Plans must be provided in accordance with the Subdivision, Development & Servicing Bylaw No. 7900 (refer to Part 5 and Schedule 3).
- d) A "Consulting Engineering Confirmation Letter" (City document 'C') must be completed prior to submission of any designs.
- e) Before any construction related to the requirements of this subdivision application commences, design drawings prepared by a professional engineer must be submitted to the City's Works & Utilities Department. The design drawings must first be "Issued for Construction" by the City Engineer. On examination of design drawings, it may be determined that rights-of-way are required for current or future needs.

9. Servicing Agreements for Works and Services.

- a) A Servicing Agreement is required for all offsite works and services on City lands in accordance with the Subdivision, Development & Servicing Bylaw No. 7900. The applicant's Engineer, prior to preparation of Servicing Agreements, must provide adequate drawings and estimates for the required works. The Servicing Agreement must be in the form as described in Schedule 2 of the bylaw.
- b) Part 3, "Security for Works and Services", of the Bylaw, describes the Bonding and Insurance requirements of the Owner. The liability limit is not to be less than \$5,000,000 and the City is to be named on the insurance policy as an additional insured.

10. Other Engineering Comments.

- a) Provide all necessary Statutory Rights-of-Way for any utility corridors required, including those on proposed or existing City Lands.

- b) If any road dedication affects lands encumbered by a Utility right-of-way (such as Terasen, etc.) please obtain the approval of the utility prior to application for final subdivision approval. Any works required by the utility as a consequence of the road dedication must be incorporated in the construction drawings submitted to the City's Development

11. DCC Credits.

None of the required improvements qualify for DCC credit consideration, as these upgradings are not identified in the current DCC schedules.

12. Bonding and Levies Summary.

a) Performance Bonding

McIntosh Road frontage upgrading	\$ 40,700.00
Asher Road frontage upgrading	\$ 67,400.00
Lane reconstruction	<u>\$ 35,900.00</u>
Total Bonding	<u>\$144, 000.00</u>

Steve Muenz, P.Eng.
Development Engineering Manager

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