## **Request for Decision**



To: Peter de Verteuil, CAO File No: 3060-20 DP-2018-10

Meeting Date: December 16<sup>th</sup>, 2019 Submission Date: December 6<sup>th</sup>, 2019

From: Michelle Geneau, Manager of Planning

**Subject:** Amendment to Development Permit with Variances – 1027 College Street

#### **RECOMMENDATION:**

<u>That</u> Council approve an amendment to Development Permit application with Variances (DP-2018-10), to vary Works and Services Bylaw 3158, 2017 sanitary sewer upgrade requirements, as attached to the December 16, 2019 report of the Manager of Planning, for a twenty-one unit development with five buildings (two sixplexes and three triplexes) at 1027 College Street (Lot A, Section 19, Range 5, Quamichan District, Plan VIP62519).

#### BACKGROUND:

A Development Permit with Variances to the Zoning Bylaw was authorized for 1027 College Street by Council at their November 18, 2019 Meeting.

The following description of the site and development is excerpted from the November 18, 2019 report from the Manager of Planning:

The subject property is located at 1027 College Street. The property is situated on the west side of the street, directly north of a convenience store and service station, and south of a single-family residence. Across the street to the east is the heritage-designated, 1914 Duncan Elementary School (currently home to the Cowichan Valley Open Learning Centre). To the west is a four storey approximately 100-unit apartment complex. The property is zoned Medium Density Residential (MDR) in Zoning Bylaw No. 3166 (2017) and falls within the Multi-family Residential Areas Development Permit Area (DPA) 1 of the Official Community Plan (OCP) Bylaw No. 2030 (2007).

The site originally consisted of three individual properties; each with a single-family dwelling. In 1995, the properties were consolidated into a single parcel with an approximate area of 2717 square metres (0.27 hectares), measuring roughly 50 metres wide by 48 metres deep. Demolition permits were issued to remove the single-family homes, and the last structure was removed in 2000. For nineteen years the lot has remained vacant and, as such, has been utilized by unwanted trespassers.

The proposed multi-unit strata development consists of five structures; two sixplexes at the front of the property and three triplex buildings across the rear of the property accessed via a driveway between the sixplex buildings, for a total of twenty-one units. Each building is proposed to have three storeys, up to 11.8 metres in height, which is allowable in the MDR zone which permits up to four storeys. The proposed multi-family residential project generally complies with the intent of the OCP and current Zoning Bylaw No. 3166.

The DP included the following Zoning Bylaw variances:

- to permit surface parking outside of the triplex unit garages;
- to reduce the visitor parking from two spaces to one space;
- to provide 220-volt garage service outlets ready for EV plugs in each of the seventeen garages and conduit for one future Level-2 EV Charging Station in the surface parking area instead of one Level-2 EV Charging Station; and
- to permit reduced front and rear parcel line setbacks for buildings and no setback for the garbage and recycling enclosure structure

The following note was included in the November 18, 2019 report from the Manager of Planning:

## An additional variance to Works and Services Bylaw 3158, 2017 is being requested and will be presented to Council at an upcoming meeting.

Works and Service Bylaw 3158, 2017 requires that the development provide an upgrade to the sanitary main from the existing 150 mm diameter sewer main to a 200 mm diameter sewer main. The applicant submitted an engineering report from McElhanney Consulting and Engineering Services justifying the sewer main remain at the same size. City staff are satisfied with the results of the engineering report.

As a result, staff are supportive of receiving a \$35,000 contribution for future replacement of the existing sewer main at a time when the rest of the College Street sewer main is replaced. However, this Works and Services Bylaw variance was inadvertently not included in the City's required public notification or the developer's signage at the subject property, and therefore will require separate notification. The variance request will be presented to Council at an upcoming meeting. As the Works and Services Bylaw variance was not included in the current recommendation and notification due to staff oversight, the applicant will not be required to pay additional application fees and the notification costs will be paid for by the City.

#### **ANALYSIS:**

Works and Service Bylaw 3185, 2017 requires that the development provide an upgrade to the sanitary main from the existing 150 mm diameter sewer main to a 200 mm diameter sewer main.

The applicant has submitted an engineering report from Cowichan Engineering Services justifying the sewer main remain at the same size.

The Engineering Department has reviewed the report and have agreed with the findings of the report.

A \$35,000 contribution is required for future replacement of the existing sewer main.

#### **IMPLICATIONS:**

#### Financial:

The applicant paid a \$2,000.00 Development Permit Application with variances. Development Cost Charges will be collected at Building Permit issuance if this development proceeds. A Works and Services estimate has been provided and fees and securities will be required prior to Building Permit issuance. As the Works and Services variance was not included in the original report, the applicant was not charged an additional fee for this amendment.

**Legal Implications** As per the *Local Government Act*, and City of Duncan bylaws, variance

applications require public notification. Property owners and occupants

within 60 metres (200 feet) have been notified.

Strategic Priority: Relates to the 2019-2022 Council Strategic Plan Goal "To provide"

appropriate physical infrastructure to support a vibrant local, community

connectivity and social and environmental health and safety."

Sustainability: Furthers the City's Official Community Plan goal - To accommodate and

manage population growth to meet the needs of Duncan's residents, build on and enhance the City's attributes, and work towards a more sustainable built and natural environment. The Integrated Community Sustainability Plan supports the creation of new housing within walking distance of

neighbourhood services

Communication:

A summary of internal and external referrals and was provided to the

applicant in February 2019. Public notification was distributed by staff and a sign was posted on the property. Information on the application is available on the City website and at City Hall. If Council approves DP-2018-10 amendment, staff will work with the applicant to meet the required conditions. The DP will be registered on Title at the provincial Land Title

Office.

#### **ATTACHMENTS:**

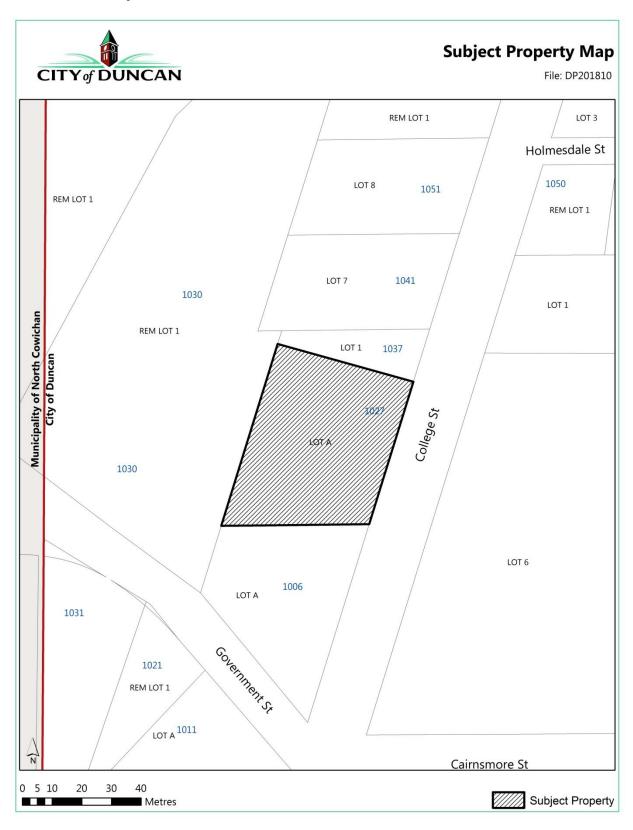
Appendix A: Project location

Appendix B: McElhanney Consulting and Engineering Services Report

Appendix C: Draft Development Permit Amendment

Appendix D: Public Notification

### **APPENDIX A: Project Location**



**Subject Property Location** 



**Aerial Perspective of Subject Property** 



## SANITARY SEWER ASSESSMENT

## PROPOSED MULTI-FAMILY DEVELOPMENT 1027 COLLEGE STREET LOT A, PLAN VIP62519, PID 023-302-437 DUNCAN, BC

#### PREPARED FOR:

Nicon Developments Ltd.

#### PREPARED BY:

Cowichan Engineering Services Ltd. 6468 Norcross Road Duncan BC V9L 6C5 Phone 250-737-1440 Fax 250-737-1551 Email: cowichanengineering@shaw.ca

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Job No. 1345-C July 24, 2019

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Appendix A:

Sanitary Sewer Analysis

#### 1. INTRODUCTION

Cowichan Engineering Services Ltd. (CES) was retained by Client Company to assess the capacity of the existing sanitary sewer system servicing the proposed 21-unit multi-family development at 1027 College Street in Duncan, BC, refer to Figure 1 below. The existing sanitary main is 150mm diameter. Per discussions with City of Duncan (COD) staff, it is required to assess the capacity of the existing sanitary mains to determine if and where upgrades are required.



Figure 1: Site Location

#### 2. SANITARY CATCHMENT AREA

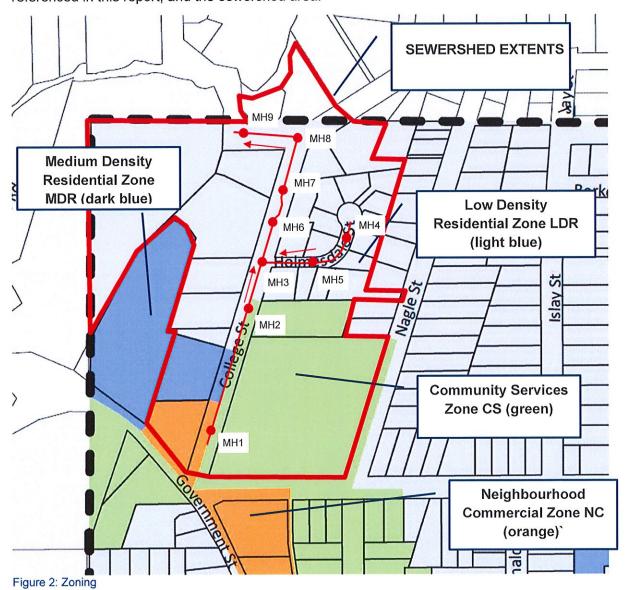
The scope of this sanitary sewer assessment is limited to the immediate area serviced by the site, from the 7-11 located at College Street and Government Street and north to Mary and Philip Street. Refer to sketch included with calculations attached in Appendix A.

#### 3. ZONING

There are four zones pertinent to this area:

- 1) Low Density Residential Zone (LDR)
- 2) Medium Density Residential Zone (MDR)
- 3) Community Services Zone (CS)
- 4) Neighbourhood Commercial Zone (NC)

Refer to the zoning map, below in Figure 3. The COD supplied drawing data that included sanitary main sizing, manhole locations, invert elevations where available, and the sewershed extents. Refer to Figure 3, below for the sewer location, manhole location with names referenced in this report, and the sewershed area.



#### 4. POPULATION DENSITY

COD Works and Services Bylaw No. 3158, 2017 indicates population densities are provided in Table 1 but Table 1 has not been included in the bylaw. In lieu of Table 1, the COD accepts the City of Nanaimo population densities. A summary of COD zoning with comparable City of Nanaimo population densities is summarized in Table 1 below.

Table 1: Population Density vs Zoning

Zoning Reference (City of Nanaimo)	Comparable COD Zoning	Population Per Unit	Population Per Hectare	
Single Family Dwellings	Low Density Residential	2.8	36	
Low Density Multiple Family Dwellings	Medium Density Residential	1.7	48	
Commercial Equivalent	Neighbourhood Commercial		90*	
Institutional Equivalent	Community Services		50**	

<sup>\*</sup> Includes parking area.

#### 5. SANITARY HYDRAULIC CALCULATIONS

Physical characteristics of the catchment and conveyances were defined using the assumptions and parameter values summarized in Table 3 below.

Table 2: Hydraulic Parameters

PARAMETER	DESCRIPTION & VALUE				
Infiltration	Average Infiltration Rate 0.1 L/s/ha1				
Manning's n	n= 0.013 for all pipes <sup>1</sup>				
Infrastructure Material &	Material and diameter for sewers as referenced per COD data or by				
Dimensions	CES survey data, where available.				

#### 6. CALCULATIONS

A summary of the Sanitary Sewer Analysis is attached in Appendix A following the letter body of this report.

<sup>\*\*</sup> Includes parking area but not green space.

<sup>&</sup>lt;sup>1</sup> COD Works and Services Bylaw No. 3158, 2017

#### 7. OBSERVATIONS

Key observations from the calculations are summarized below:

- Sewer mains generally have low slopes, near the minimum permissible value of 0.6%
- Invert data for most down-gradient sewer mains not provided from the City of Duncan;
  - assumed minimum slope for calculations: 0.6%
  - assumed 10% slope for steep gradient between College Street and Mary/Philip Street.
- Maximum percent full is approximately 36%.

D. G. TUNNICLIFFE # 30252

- o maximum design value for percent full is 80% (assuming MMCD criteria).
- Demand flow velocities are generally less than the minimum required rate of 0.6 m/s.

#### 8. CONCLUSION

The calculations indicate that there is adequate capacity in the College Street sewershed to handle the sewage demand from the proposed multi-family development at 1027 College Street.

#### **CLOSURE**

This report, observations, methodology, are based on professional judgment, calculations, and experience. Observed conditions other than those indicated above may exist on the site. If different conditions are observed, CES should be contacted so that this report may be reviewed and amended accordingly.

The recommendations contained in this report are based on preliminary data only. This report was prepared specifically for the client and is intended for their direct use only and as needed by the client for use by government are gulatory agencies. This report cannot be relied on by other parties.

Sincerely;

Darryl Tunnicliffe, P.Eng.

Cowichan Engineering Services Ltd

Reviewed By;

Cam Williams, AScT

Cowichan Engineering Services Ltd.

## APPENDIX A

Sanitary Sewer Analysis

# SANITARY SEWER ANALYSIS

Nicon Developments Ltd.
PROPOSES MULT-FAMILY DEVELOPMENT
LO27 College Street
Lo2 263, Plan VIPG2S19 & South Half of Lot 5 Plan 1265 Clent Site Address Legal

June 25, 2019
Darryl Tunniciffe, P.Eng.
Cam Williams, A-Sc.T
1345-C

Date Calculations By Reviewed By File Number Jurisdiction City of Duncan

Demands

Low Density Residential Zone (LDR) 350 L/Cap/day

= 0.0042 L/Cap/s

0.013 0.1 L/s/ha 2.5

Design Parameters Manning's n Infiltration Peaking Factor

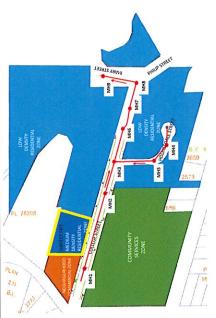
_	_										_	_					_
	VELOCITY	Demand Flow m/s				0.47		0.48		0.27	0.28		15'0	1.39	1.39		0.57
	NEN	Full Flow m/s				0.73		0.72		89'0	99.0		29.0	2.73	2.73		0.67
	CITY	Percent Full By Depth				22%		23%		10%	11%		29%	15%	15%		36%
	CAPACITY	Full Capacity Us				12.9		12.7		12.0	11.6		11.8	48.2	48.2		11.8
		Manning's n				0.013		0.013		0.013	0.013		0.013	0.013	0.013		0.013
TICS	TICS	lotes											paunsse	assumed	assumed		assumed
SEWER CHARACTERISTICS	PHYSICAL CHARACTERISTICS	Slope m/m				0.72%		0.70%		0.62%	0.58%		0.60%	10.0%	10.0%		0.60%
SEWER	PHYSICAL	Length				107.3		44.6		29.1	59.9		47.3	30.2	36.0		51.1
		Diameter				150		150		150	150		150	150	150		150
		Invert		Ī		26.758		26.411		26.76	26.411		26.11				
	OLES	٩				MH2		MH3		MHS	MH3		MH6	MH7	MH8		МН9
	MANHOLES	Invert				27.525		26.722		26.94	26.76		26.389				
		From				MH1		MH2		MH4	MHS		МНЗ	МН6	WH7		MH8
	_	Total Flowrate Us	0:30	0.81	1.22	1.36	1.46	1.52	0.22	0.25	0.30	1.87	2.20	2.25	2.25	2.44	3.32
	SANITART DEMAND	Sanitary Infiltration Total Flowrate Flowrate Flowrate Us Us Us	0.03	0.24	0.27	0.30	0.32	0.33	0.05	0.05	90.0	0.41	0.48	0.49		0.53	17.0
-	SANITAR	Sanitary Flowrate Us	0.27	0.57	0.95	1.06	1.14	1.18	0.17	0.20	0.24	1.47	1.72	1.76		1.91	2.61
L		Peak Flow Factor	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		2.5	2.5
		Cumu. Pop.	52	55	16	101	109	113	16	19	ສ	141	165	169		184	250
	Z C	Equiv.	26	23	36	11	60	4	16	7	4	4	25	4		14	99
	POPOLATION	Pop. Density No. Units pop/unit		(see "School Demand" below)	21												
				сноо! Остс	1.7												
L	_	Pop. Density pop/ha	80	(see "S		36	36	36	98	36	36	36	36	36		36	36
		Street	College	College	College	College	College	College	Holmsdale	Holmsdale	Holmsdale	College	College	College		Philip	Mary
		Bidg/Parking Area ha		0.526													
	z	Area hs	0.291	2.382	2.702	2.995	3.215	3,330	0.458	0.525	0.640	4.086	4.767	4.881		5.281	7.127
	DEFINITION	Lot Area	0.291	2.091	0.321	0.292	0.220	0.116	0.458	0.067	0.115	0.116	0.681	0.113		0.401	1.845
	CATCHMENT DEFINITION	Sulucz	Ñ	Я	MDR	LDR	LDR	LDR	LDR	EQ.	ROI	RO1	ED8	LDR		LDR.	LDR
		Description Zoning	7.11	School	SUBJECT SITE	Resid.	Resid.	Resid.	Resid.	Resid.	Resid.	Resid.	Resid.	Resid.		Resid.	Resid.
		Plan	VIP54586	12658	VIP62519	4459,1265A	1265A	4471	39071	40692	VIP70846, VIP86319	7967	10277	9454		7907, 3618, VIP71115	25259, 2156, VIP71115
		Lot(s)	<		4	1,7	80	п	3 to 9	A and B	A, A	æ	174	п		1,1,8	A,1,A

			1		incl. parking	Incl. parking, not green space
	on Density	Hdd	36	48	06	20
	Populatic	PPU	2.8	1.7		
	Jornaphil.	COD Zone	ROI	MDR	NC	ស
Population Density	****	PARA	Single Family Dwellings	Low Density Multiple Family Dwellings	Commercial Equivalent	Institutional Equivalent
City of Duncan Zoning	Community Services	Low Density Residential	Medium Density Residential	Neighbourhood Commercial		

Calculation Based on City of Nanaimo population Density Values

---> Conzervative calculation per student is greater than calculation bazed on City of Nanaims Equiv. Pop. calculated. bazed on per student demand and 2.5 PF:

Ref. Sewerage System Standard Practice Manual Versian 3, Table III-11 Man-Residential Average Daily Flow Rate Guide Number of Students Reference: https://studentsuccess.gov.bc.ca/school/07995081/report/cantextual-information





## **CITY of DUNCAN DEVELOPMENT PERMIT - WITH VARIANCES**

Permit No: DP-2018-10 AMENDMENT

**Registered Owner:** Woywitka's Building Supplies, Ltd., Inc. No. C0240026

1747 Westlock Road, Duncan, BC V9L 0B8

**Subject Property:** 1027 College Street

**Description of Land:** 

Parcel Identifier: 023-302-437

LOT A, SECTION 19, RANGE 5, QUAMICHAN DISTRICT, PLAN VIP62519

Proposal: TWENTY-ONE UNIT MULTI-FAMILY RESIDENTIAL DEVELOPMENT WITH FIVE BUILDINGS

#### **Conditions of Permit:**

1. This permit is issued subject to compliance with all relevant City of Duncan bylaws, except as specifically varied or supplemented by this Permit.

- 2. This permit applies to the lands described above, and any buildings, structures, and other development thereon (hereinafter called 'the Lands').
- 3. The Lands and building which are subject to this Permit shall be developed strictly in accordance with the terms and conditions of this Permit and in accordance with the existing DP-2018-10 schedules.
- 4. This Development Permit includes the following variances to *Works and Services Bylaw 3158, 2017,* Schedule C Sewage Collection Works:
  - a. The sanitary main upgrade size is varied from 200 mm diameter to 150 mm diameter.
- 5. As a condition to varying the *Works and Services Bylaw* and prior to Building Permit issuance, the applicant must provide the following:
  - a. The applicant will provide a \$35,000 contribution towards the future sanitary main replacement for College Street.
- 6. Provision of an agreement to construct and install required works and services in accordance with City of Duncan, Engineering/Public Works Department requirements including roadwork and access, water servicing, sanitary sewer, storm drainage, electrical and telecommunications, and administration and inspection, and related securities and fees is a requirement prior to issuance of a Building Permit.
- 7. Pursuant to section 504(2) of the *Local Government Act*, this permit will lapse two years from the date of the Development Permit approval unless construction, in accordance with the terms and conditions of this permit, has substantially started.
- 8. This permit is not a building permit.

- 9. Further to condition 7, construction is considered to be substantially started when a valid building permit for the development has been issued and shall not have lapsed; and excavation or construction works associated with the development hereby approved must have commenced to the satisfaction of the Director of Development Services. Demolition does not constitute construction.
- 10. Where any security is required by the City of Duncan, the security provided by the Permit holder in the amount agreed to by the Director of Public Works and Development Services is to be submitted prior to Building Permit issuance.
- 11. Where the development authorized by this Permit has lapsed prior to commencement of any work pursuant to this Permit, the security shall be returned to the Permit holder.

#### Date of Development Permit Amendment Approval/Issue by Council or its Delegate:

Designated Municipal Officer							
The City of Duncan							
, ,	, 2021						
This permit expires on	. 2021						
This permit was issued on	, 2019						
This permit was approved on	, 2019						

Development Permit No. DP-2018-10 (with Variances) Page 3 of 3 December 6, 2019

I HEREBY CERTIFY that I have read the terms and conditions of the Development Permit contained herein. I understand and agree that the City of Duncan has made no representations, covenants, warranties, guarantees, promises, or agreements (verbal or otherwise) with Nick Woywitka, Woywitka's Building Supplies, Ltd., other than those contained in this Permit.

Owner/Agent (signature)	Witness (signature)
Print Name	Print Name
Date	

#### **Advisory Comments**

The following comments are provided for information purposes only:

- An inspection of the application site by Development Services staff will take place prior to the issuance
  of an Occupancy Permit to ensure that the development is in complete accordance with the approved
  Development Permit plans. The applicant is responsible for contacting the Development Services
  Division to arrange the inspection at least two weeks prior to applying for an Occupancy Permit.
  Additional site inspections by Development Services staff may occur during the construction phase of
  the project.
- 2. This Permit does not constitute a building, sign or awning permit or a subdivision approval. The applicant may contact Development Services to determine whether further permits are required in association with the development hereby approved.
- 3. This Permit does not authorize altering an archaeological site. The owner/applicant is responsible for ensuring compliance with the *Heritage Conservation Act*, including steps to determine whether or not a site is an archaeological site. Under s.36 of the *Heritage Conservation Act* it is an offence to alter an archaeological site without first obtaining a permit to do so from the Province of British Columbia.



#### NOTICE OF <u>AMENDMENT</u> TO DEVELOPMENT PERMIT WITH VARIANCES DP-2018-10 – 1027 COLLEGE STREET

This notice is to advise that Council will consider an amendment to Development Permit with Variances DP-2018-10 respecting LOT A, PLAN VIP62519, SECTION 19, RANGE 5, QUAMICHAN DISTRICT, located at 1027 College Street, Duncan, BC.

On November 18, 2019, Council authorized a Development Permit with Variances to construct a twenty-one unit strata development, which consists of five structures: two six-plex and three tri-plex units. In addition to the variances to the Zoning Bylaw for DP-2018-18, a variance to Works and Services Bylaw 3158, 2017 is also required to permit this development.

The applicant is requesting the following variance to Works and Services Bylaw 3158, 2017, Schedule C: Sewage Collection Works:

1. To vary the size requirement for the sewer main, from 200 mm diameter required by the bylaw, to the existing 150 mm diameter main. An engineering report, reviewed by the Engineering Department, confirms that the proposed size will be adequate. The applicant will provide a financial contribution for the future replacement of the sewer main.

A copy of the application and staff reports will be available for public review from **Wednesday**, **December 4**<sup>th</sup>, **2019** to **Monday**, **December 16**<sup>th</sup>, **2019** on the City's website at www.duncan.ca and at:

Duncan City Hall, 200 Craig Street, Duncan, BC 8:30 a.m. to 4:00 p.m., Monday – Friday

Council will consider this application at the Regular Meeting scheduled for **Monday, December 16<sup>th</sup>, 2019, 6:00 p.m**. in Council Chambers, Duncan City Hall, 200 Craig Street, Duncan.

Any person who believes their interests may be affected by this proposed amendment to the Development Permit with Variances may appear in person, or by agent, the evening of the Regular Council meeting. Written comments will also be accepted by mail or email to *Director of Corporate Services, City of Duncan, 200 Craig Street, Duncan, BC V9L 1W3*; Email: <a href="mailto:duncan@duncan.ca">duncan@duncan.ca</a>, until 4:00 p.m., Wednesday, December 11<sup>th</sup>, 2019, to ensure their inclusion in the public record.

For more information on this application please contact Development Services, at (250) 746-6126 or DevelopmentServices@duncan.ca

Date: December 3<sup>rd</sup>, 2019

#### **Subject Property Map**

