

AGENDA

City of Salmon Arm Development and Planning Services Committee

Monday, March 6, 2023 8:00 a.m. Council Chambers, City Hall 500 – 2 Avenue NE Salmon Arm, BC

GoTo Meeting Link: <u>https://meet.goto.com/877601757</u> Phone Access: Access Code: 877-601-757 / Canada: +1 (647) 497-9373

Page #	Item #	Description	
	1.	CALL TO ORDER	
	2.	ACKNOWLEDGEMENT OF TRADITIONAL TERRITORY We acknowledge that we are gathering here on the traditional territory of the Secwepemc people, with whom we share these lands and where we live and work together.	
	3.	REVIEW OF AGENDA	
	4.	DISCLOSURE OF INTEREST	
	5.	REPORTS	
1 - 16	1.	Development Variance Permit No. VP-571 [Muto Holdings Ltd.; 130 Shuswap Street SE; Servicing requirements]	
17 - 26	2.	Zoning Amendment Application No. ZON-1262 [Dyck, S. & K./Browne Johnson Surveyors; 2761 20 Avenue NE; R-1 to R-8]	
	6.	FOR INFORMATION	
	7.	IN-CAMERA	
	8.	ADJOURNMENT	

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CITY OF SALMONARM

TO: His Worship Mayor Harrison and Members of Council

DATE: February 28, 2023

SUBJECT: Development Variance Permit Application No. VP-571 (Servicing)

Legal: Lot 2, Section 14, Township 20, Range 10, W6M, KDYD, Plan 28506 Civic Address: 130 – Shuswap Street SE Owner/Applicant: Muto Holdings Ltd.

MOTION FOR CONSIDERATION

- THAT: Development Variance Permit No. VP-571 be authorized for issuance to vary the Subdivision and Development Servicing Bylaw No. 4163 Specification Drawing No. RD-4, for the frontage of Lot 2, Section 14, Township 20, Range 10, W6M, KDYD, Plan 28506, as follows:
 - i) waive the requirement to install an offset multi-use path;
 - ii) waive the requirement to install street lighting, and;
 - iii) waive the requirement to install underground hydro and telecommunications.

STAFF RECOMMENDATION

The Motion for Consideration be defeated.

Issuance of Development Variance Permit No. VP-571 be withheld subject to the registration of a Land Title Act Section 219 covenant restricting tenure to rental for up to 8 units.

PROPOSAL

The applicants submitted a Development Permit application on March 9, 2022 (approved with conditions on May 24, 2022) to construct two (2) new fourplexes (Appendix 1). Although not technically triggered until the Building Permit stage, as part of the Development Permit referral process the Engineering Department provided a memo that detailed all of the servicing requirements for the development. The eventual Building Permit will trigger the installation of infrastructure and upgrades as required by Subdivision and Development Servicing (SDS) Bylaw No. 4163, including the installation of an offset multi-use path, street lighting, and the placement of hydro and telecommunications infrastructure underground to the property line. As outlined in their letter of rationale (Appendix 2), the applicant has requested that Council vary these SDS Bylaw requirements along the property's frontage.

BACKGROUND

The subject parcel is situated directly east of Shuswap Street SE, in downtown Salmon Arm (Appendices 3 and 4). The subject parcel was designated and zoned High Density Residential (HR and R-5) in April 2020 (Appendices 5 and 6).

The requirements for an offset multi-use path, street lighting and underground hydro and telecommunications distribution are transparently detailed within the City's Subdivision and Development Servicing Bylaw No. 4163, summarized within Table 1: Service Levels for Subdivision and Development,

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Servicing Bylaw No. 4163, summarized within Table 1: Service Levels for Subdivision and Development, and further detailed within the (RD-4) cross-section standard drawings within the bylaw. The various standards for development are summarized and detailed so that any applicant or agent considering development may inform themselves in advance of the applicable standards that would apply.

The applicants submitted a variance permit application on December 16, 2022, for the parcel at 130 Shuswap Street SE. The specification drawing no. RD-4 cross-section applicable to Shuswap Street SE further indicates the multi-use path, street lighting, and underground electrical and telecommunications wiring (Appendix 7). Site photos are attached as Appendix 8.

COMMENTS

Building Department

No concerns.

FortisBC

No issue with this proposal.

Fire Department

No Fire Department concerns.

<u>Shaw</u>

Shaw does not support this application, as placing aerial services within the existing infrastructure could cause a trespass. However, Shaw doesn't own any of the existing infrastructure. Pending on what BCH and Telus decide to do, Shaw can follow suit.

BC Hydro

BC Hydro has no objections or conflicts with the proposed variance permit.

Telus

Telus has no objection to this variance request.

Engineering Department

Comments attached (Appendix 9). The Engineering Department recommends that the requests to waive the requirements to install street lighting and an offset multi-use path and relocate the overhead hydro/telecom distribution lines underground be denied.

Public Consultation

Pursuant to the Local Government Act and City of Salmon Arm Development Variance Permit Procedures Bylaw notices are mailed to landowners within a 30m radius of the application. The notices outline the proposal and advise those with an interest in the proposal to provide written submission prior to the Hearing and information regarding attending the Hearing. It is expected that the Hearing for this application will be held on March 13, 2023.

Planning Department

Shuswap Street is designated as an Urban Arterial Road, an important corridor facilitating movement through the community. Staff note that several larger parcels along this corridor have development potential and highlight the need to consistently meet the standards required along this key roadway.

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The Zoning of the subject parcel allows for a higher level of development aligned with the OCP (high density) land use designation, and the minimum servicing levels specified by the City's Subdivision and Development Servicing Bylaw have been adopted to ensure that basic infrastructure is provided to support such development. The implication of granting variances to minimum service levels is that these costs (the burden of providing minimum servicing) are then deferred to future property owners or the City (taxpayers).

Multi-use Path

The City of Salmon Arm is committed to making it safer, easier, and more enjoyable to walk, bicycle, and use other forms of active transportation, as detailed in Connect Salmon Arm, the City's Active Transportation Plan. Shuswap Street was identified as a priority "Major Project" in the City's Active Transportation Plan, projects which were specifically selected to fill priority gaps and connect key destinations. The request to waive this requirement is not supported by staff. Shuswap Street is also identified as a "cycle route" in the OCP.

Street Lighting

The request to waive the installation of street lights along the Shuswap Street SE frontage is not supported by staff. Although the applicant notes that the current street lighting appears adequate throughout Shuswap Street, there are currently no street lights along the property's frontage, meaning this is insufficient for the area. As noted in the attached Engineering report, currently this section of Shuswap Street has minimal pole-mounted lights and lighting levels fall well below the required lighting standard, and that the subject property fronts onto an existing crosswalk and additional lighting in this location would be a benefit.

Shuswap Street is an important corridor within the community, and as the corridor develops at a higher density and when Auto Road eventually connects with 14 Avenue SE in the future, the resulting traffic impact will emphasize the need for street lighting in this area. In addition, adequate lighting and sight are important for drivers and pedestrians, and more traffic from more (future) development requires an increased effort to manage.

Underground Hydro and Telecommunications

While the poles and overhead lines are unsightly, they also provide obstacles within the City's boulevard areas, particularly hampering the City's ability to provide active transportation infrastructure and also presenting a potential safety hazard in terms of vehicle traffic and potential collisions. This request is not supported by staff.

<u>Covenant</u>

Similar to DP-446 (with servicing variance) at 1120 Shuswap Street SE and should Council support this variance request, staff recommend the registration of a Land Title Act Section 219 covenant restricting tenure to rental for up to 8 units.

CONCLUSION

The City's requirements for an offset multi-use path, street lighting, and underground (electrical) hydro and telecommunications wiring have been clearly stated, and Shuswap Street is an important corridor within the community.

Staff recognize the financial constraints on development; however, waiving the requirements of Subdivision and Development Servicing Bylaw No. 4163 would place an additional financial burden on the City for those improvements in the future or increase costs onto future developers of adjacent properties. Staff do not consider the requested variances to be supportable given the expected level of service associated with the proposed high density residential development, the location of the parcel (within the City's Urban Containment Boundary, Residential Development Area A, and a High Density

Residential land use designation), and the potential for future redevelopment within the general area. As such, Staff recommends the requested variances be denied.

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Prepared by: Evan Chorlton Planner

Reviewed by: Robert Niewenhuizen Director of Engineering and Public Works



GENERAL NOTES

SLITLIML ITUIES 1 ALL CONSTRUCTION MATERIALS & WORKMANSHP TO BE IN ACCORDANCE WITH THE CURRENT DOTION OF THE B.C. BILDING CODE RUINING CODE RUCTICAL CODE & ALL OTHER CODES,ZONING AND BYLAWS THAT MAY APR.Y.

APT-LT. 2 THE CONTRACTOR AND ALL SUBTRADES ARE RESPONSELE FOR THE REVEW OF ALL DRAWINGS AND SITE CONDITIONS FRICR TO COMHECING WORK OR ORDERING ANY MATERIAL AND SHALL REVORT ANY DSCREMANCES THAT AFFECT DESIGN TO MRG MMEDIATELY.

3 ALL FRAMING MATERIAL TO BE SPF.#2 OR BETTER 4 CONCRETE FOOTINGS AND WALLS TO BE MINIMUM 28MPA @ 28 DAYS; FLOOR SLABS AND SIDEWALKS TO BE MINIMI 32MPA @ 28 DAYS

MINMUM 32MPA @ 28 DATS. 5 ALL CONCRETE FOOTINGS TO BE PLACED ON ORIGNAL UNDSTURBED GROUND, REE OF ALL ORGANIC, FROZEN OR FROSTY MATERIAL

6 DAMPROOF FOUNDATION WALLS BELOW GRADE WITH 2 COATS OF BITUMINOUS MATERIAL

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GENERAL NOTES

11 CONTRACTOR TO VEREY ALL PROPERTY & FOUNDATION LINES WITH A LEGAL LAND SURVEYOR PRIOR TO PLACING FOOTNIGS OR RUNNING SERVICES WITHIN BUILDING ENVELOPE.

ENVELOPE 12 ALL ROOF SPACES TO BE VENTLATED WITH SOFFIT AND ROOF VENTS WITH A MINIMUM DISTRIBUTION AREA OF 1/300, A MINIMUM OF 25% OF VENTS TO BE LOCATED AT ROOF, AND MINIMUM SYSTE TO BE LOCATED AT SOFFIT 13 DOOR FRAMES AT ENTRANCES AND EXTERIOR SPACES TO

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SUITABLE TO STIE AND MICHAE LOUGHAE DOUBLE 16 ELECTRICAL LOCATIONS TO BE DEFERMINED BY ELECTRICAL CONTRACTOR WITH THE APPROVAL OF HOMEOWNER OR GENERAL CONTRACTOR AND N ACCORDANCE WITH CURRENT ELECTRICAL CODE.

17 APPROVED SMOKE ALARMS TO BE INSTALLED WITH LOCATION APPROVED BY APPROPRIATE LOCAL MUNICIPALITY

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CONVENENCE

CITY OF SALMON ARM, R5 ZONING (HIGH-DENSITY RESIDENTIAL)

GENERAL	INFO:
CIVIC ADDRESS	130 SHUSWAP STREET, S.E., SALMON ARM, B.C.
GAL DESCRIPTION	LOT 2 SECTION 14 TOWNSHP 20 RANGE 10 WEST OF THE 6TH MERIDIAN KAMLOOPS DIVISION YALE DISTRICT PLAN 28506
LOT SIZE	1049.26M2 (11.294.1 FT2) 977.51M2 (10.521.8 FT2) AFTER ROAD DEDICATION
701010	

GENERAL REGULATIONS:

15

HEGHT:	7.5M, 2.0 STR IMEASURED FROM	(12.0M MAXIMUM) AVG EXISTING GRADE TO TOP OF ROOF)
LOT COVERAGE	27.2%	(40.0% ALLOWABLE)

DENSITY: PROPOSED # UNITS ALLOWED # UNITS. 02415 ACRES x 526 UNITS PER ACRE - 127 UNITS

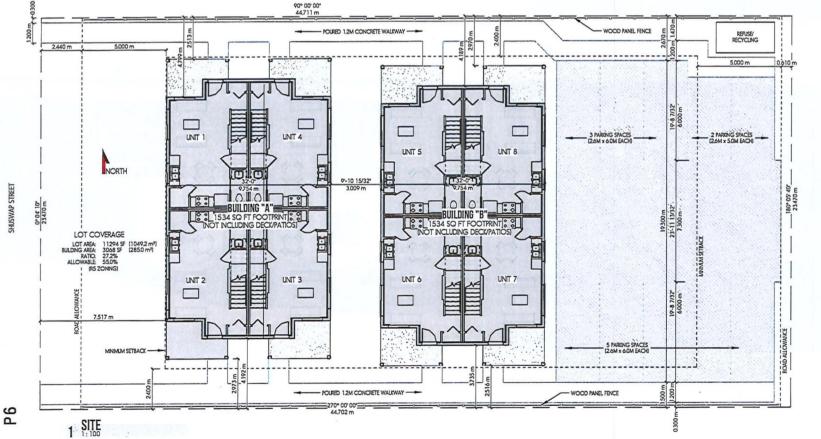
BUILDING SETBACKS (S.B.)

OLDING SLIDAGA	(0.0.1	
WEST SB.	6.09M	(5.0M MINIMUM)
NORTH SB.	5.10M	(2.0M MINIMUM)
EAST SB:	2.50M	(1.5M MINIMUM)
SOUTH S.B.	251M	(2.0M MINIMUM)
BETWEEN BUILDINGS.	3.09M	(3.0M MINIMUM, BLDGS OVI

VER 1 STOREY) PARKING

REQURED: 8 UNITS X 1.25 PER UNIT (R5 ZONING) - 10 STALLS PROVIDED 10 STALLS (8@2.6Mx6.0M, 2@2.6Mx5.0M)

ZONING ANALYSIS 2



250.804.5403 MRGDESIGN@GMAILCOM

> PMENT PERMIT DRAWINGS NOT USE FOR CONSTRUCTION EVELOF

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CLENT MUTO

4-PLEX DEVELOPMENT

130 SHUSWAP ST SE SALMON ARM B.C. JOB #

7529

REVISIONS PRELIM EXTERIOR JAN 31 2022

REVIEW FEB 15 2022 DP APPLICATION MAR 11 2022 ELEVATIONS MAR 14 2022 REVISED EXTERIOR APR 26 2022

APR 27 2022 WEST GABLE

DATE APR 27 2022

DRAWING SITE/ZONING

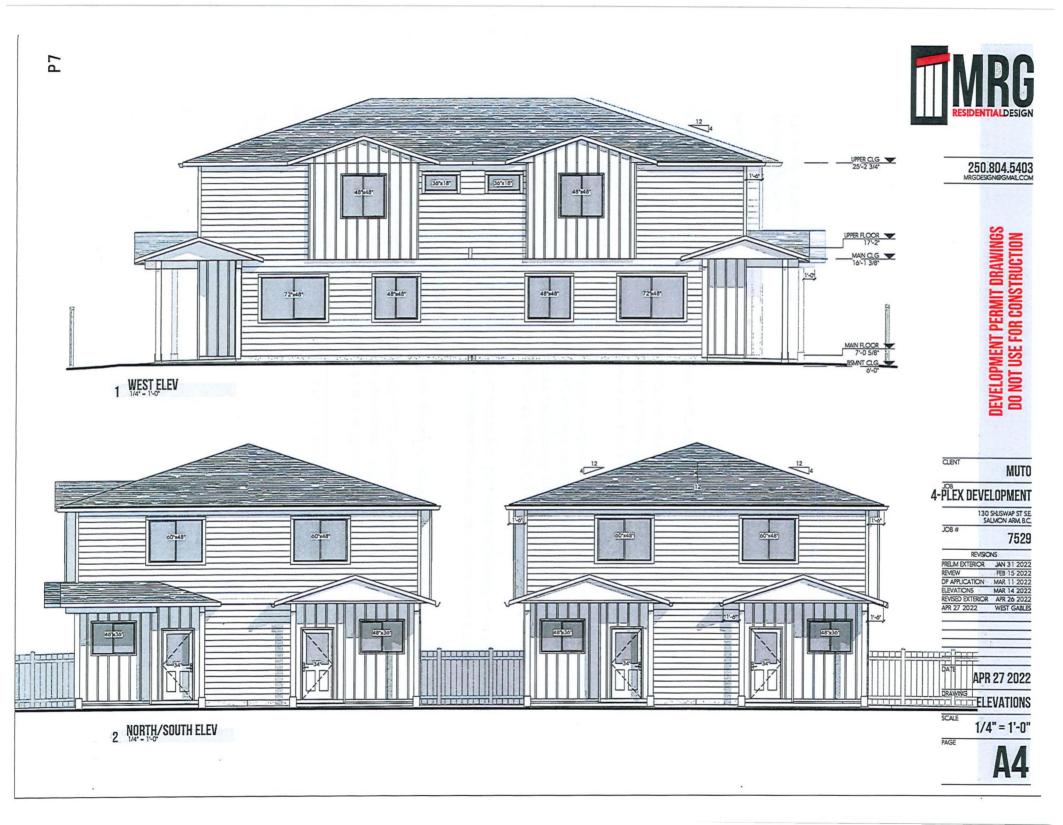
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APPENDIX 2

Muto Holdings Ltd. 381 HWY 97B NE Salmon Arm, BC V1E 1X5

December 16, 2022

City of Salmon Arm Box 40, 500-2 Avenue NE Salmon Arm, BC V1E 4N2

Dear Evan:

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RE: Muto Holdings Variance Permit Applications for 130 Shuswap St., NE, Salmon Arm, BC

On May 16, 2022 Muto Holdings was provided with the Memorandum from the Engineering and Public Works Department for the Development Permit Application No. DP-440. As a result, the memorandum was provided to the retained Engineer Alistair Waters at Lawson Engineering.

In consultation with the retained Engineer we are seeking the three following variances to the Subdivision and Development Servicing Bylaw:

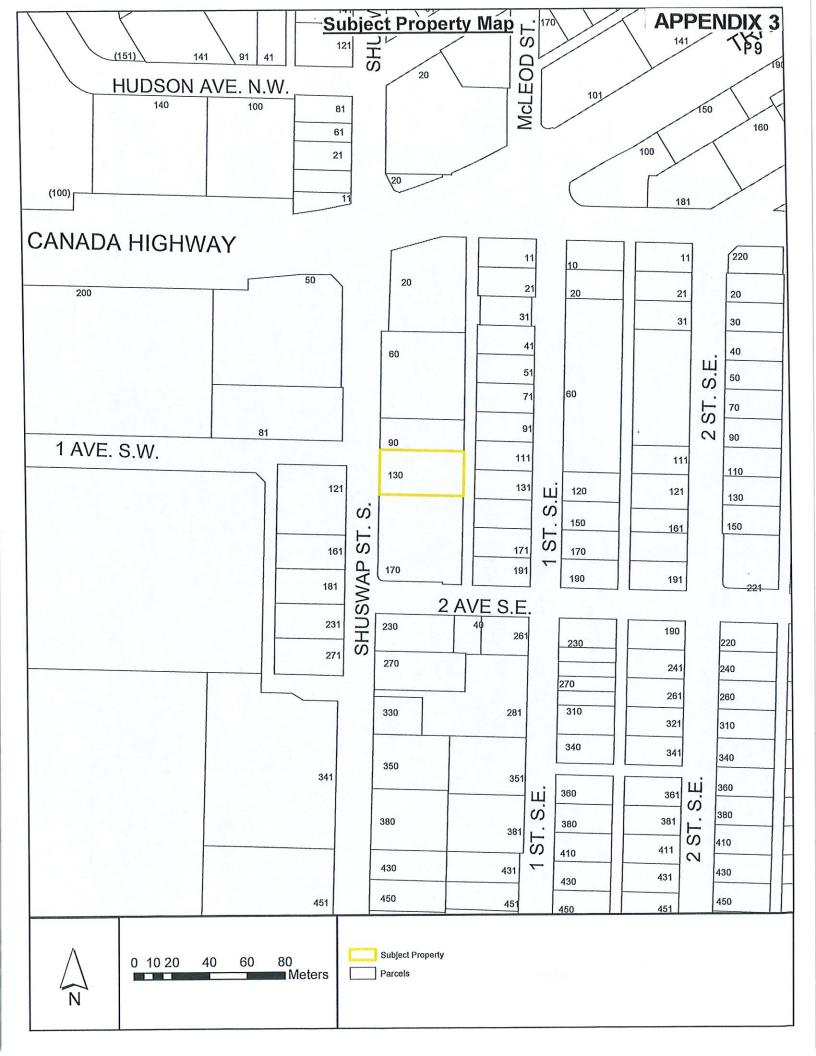
- Street lighting upgrade required for the interim arterial road. The current street lighting appears to be adequate throughout Shuswap Street. Engineer has provided a cost estimate which is costly to the developer.
- 2) Hydro and telecommunications underground upgrade required for arterial road standard. Hydro and telecommunications lines are unlikely to be upgraded to underground by neighbouring properties. Engineer has provided cost estimate which is costly to developer and unlikely the entire street will be upgraded to underground services for either hydro or telecommunications.
- 3) Multi-use pathway upgrade for interim arterial road standard. Constructing the multi-use path is not practical, could be dangerous, and is unlikely to be continued throughout neighbouring properties. Engineer has provided a cost estimate which is costly to developer.

Muto Holdings is seeking council's consideration to grant the variances sought for the reasons outlined above.

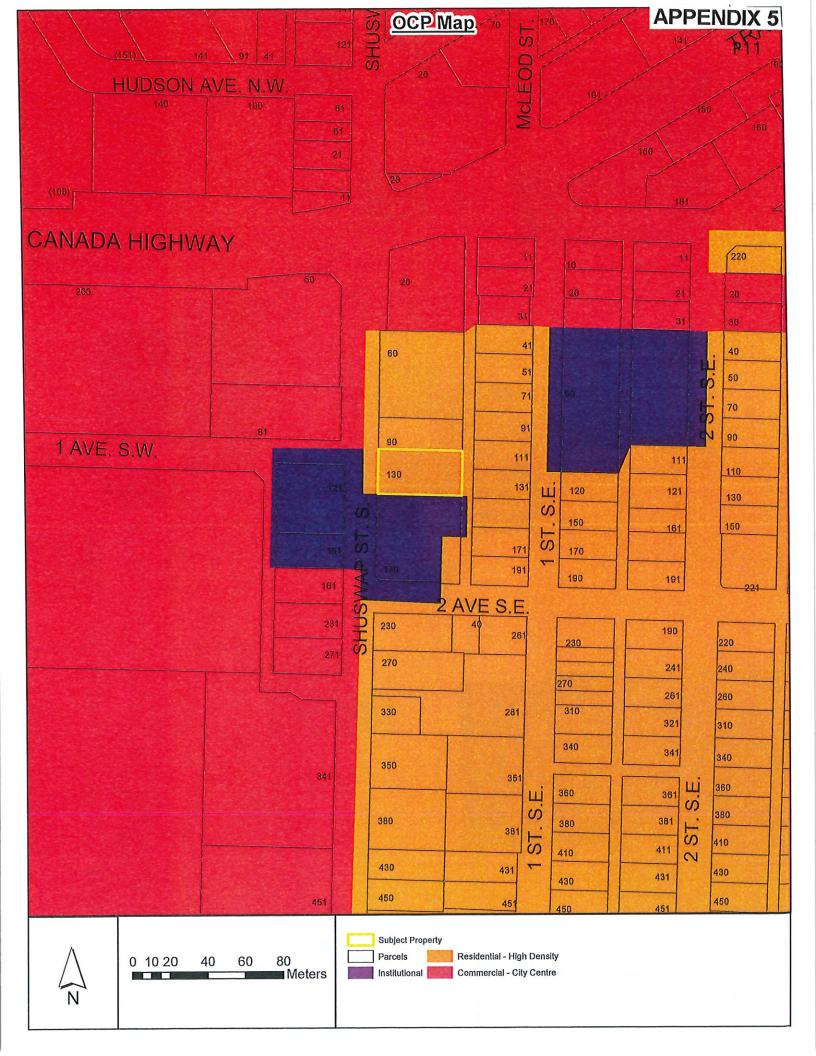
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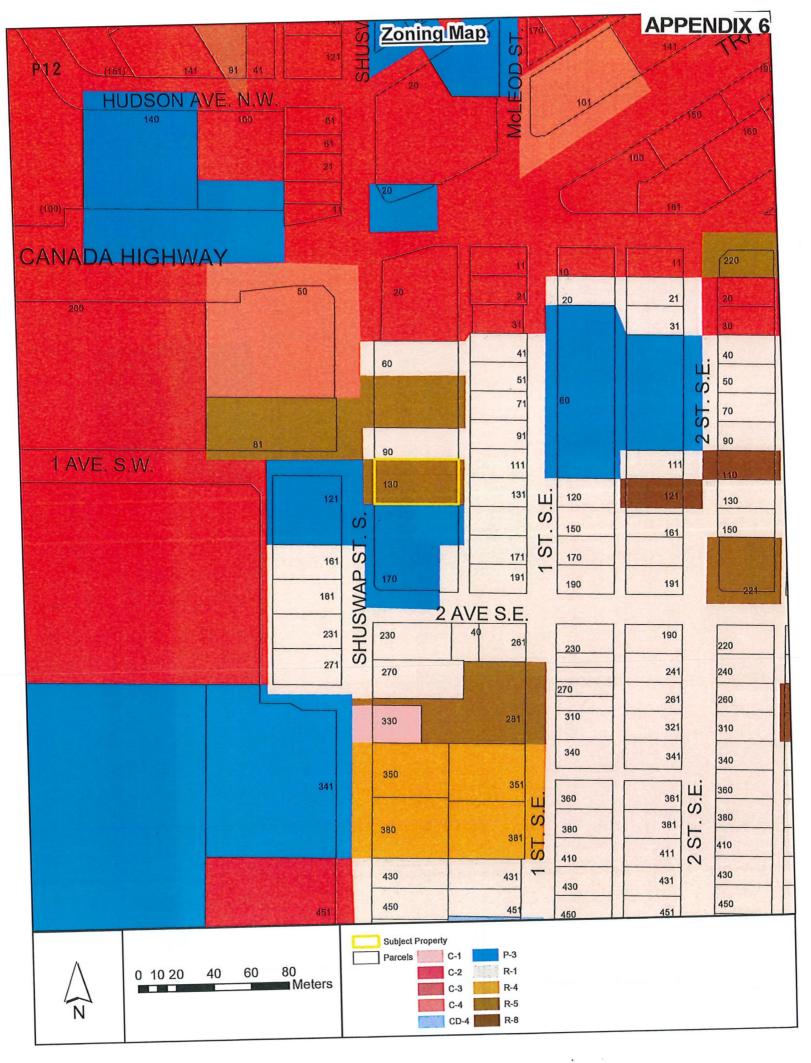
Antoniette/Muto (On behalf of Muto Holdings Ltd)

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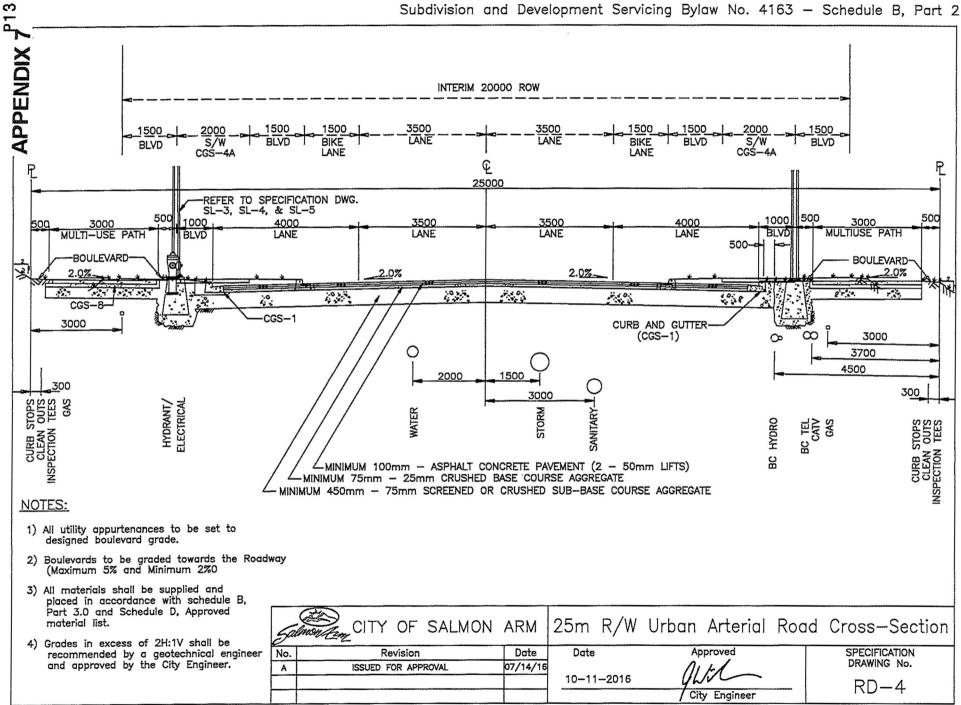






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Adopted by Council October 11, 2016



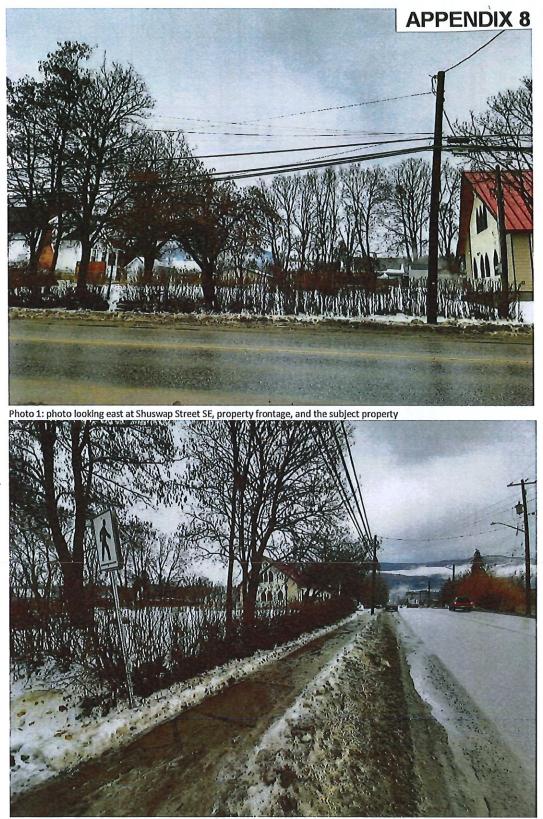


Photo 2: photo looking south down subject property frontage and Shuswap Street SE



Memorandum from the Engineering and Public Works Department

APPENDIX 9

TO:	Director of Development Services
DATE:	31 January 2023
PREPARED BY:	Chris Moore, Engineering Assistant
SUBJECT:	VARIANCE PERMIT APPLICATION FILE NO. VP- 571
OWNER:	Muto Holdings Ltd., 381 Highway 97B NE, Salmon Arm, BC, V1E 1X5
APPLICANT:	Owner
LEGAL:	Lot 2, Section 14, Township 20, Range 10, W6M, KDYD, Plan 28506
CIVIC:	130 – Shuswap Street SE

Further to the request for variance dated 11 January 2023 the Engineering Department has reviewed the site and offers the following comments and recommendations relative to the requested variance:

The applicant is requesting that Council waive the following requirements of the Subdivision and Development Servicing Bylaw No. 4163 (SDSB).

1. Install Street Lighting

Background:

The SDSB dictates the level of lighting that is required for all categories of road. Currently this section of Shuswap Street has minimal pole mounted lights and lighting levels fall well below the required lighting standard. Furthermore, the annual cost of BC Hydro lease lights is significantly more than City owned lights and wherever possible pole mounted lights are being replaced. Finally, it is noted that the subject property fronts onto an existing crosswalk and additional lighting in this location would be a benefit.

Recommendation:

In the interest of both traffic and pedestrian safety, the Engineering Department recommends that request to waive the requirement to Install Street Lighting be denied.

2. Relocate Overhead Hydro / Telecom Distributions Lines underground

Background:

Shuswap Street is an Urban Arterial Road. Therefore, Hydro and Telus must be relocated underground in accordance with SDSB Table 1: Service Levels for Subdivision and Development; and the Arterial Road Cross Section (RD-4).

In the short term, the only consequence of leaving the overhead lines is cosmetic as these lies are unsightly. However, in the long term the City will bear the cost of putting these utilities underground when the Multi-Use Path (MUP) is installed on Shuswap Street.

Recommendation:

The Engineering Department recommends that request to waive the requirement to Relocate Overhead Hydro / Telecom Distributions Lines underground be denied. Waiving this requirement will leave the City to bear the full cost of this work when the MUP is eventually installed.

3. Install an offset Multi-Use Path (MUP)

Background:

Shuswap Street is an Urban Arterial Road, requiring an offset MUP on both sides of the road to comply with current SDSB standards. One of the key objectives of the MUP is to get cyclists off motorized roads and to separate cyclists and pedestrians from motorists.

Shuswap Street has been identified in the City's Active Transportation Network Plan under "Major Priority Projects" as a key Bicycle Route. This route is significant as it links Downtown Salmon Arm, the Trans Canada Highway (TCH), 5 Avenue, 10 Avenue and Foothill Road. It is heavily used by pedestrians, cyclists and motorists and would benefit significantly from safe Active Transportation (AT) upgrades.

Although the advantages of AT upgrades are clear, the implementation of these upgrades is challenging. Shuswap Street is already heavily developed and installing a MUP on either side of the road will be difficult. Currently, the City does not have sufficient dedication or right of way for construction of MUPs for a significant portion of Shuswap Street. Furthermore, the City reconstructed the sidewalk and adjacent retaining wall from 2 Avenue to TCH in 2011, and in 2022 reconstructed the sidewalk to the south of the subject property from 2 Avenue to 5 Avenue.

Recommendation:

The Engineering Department recommends that request to Waive the requirement to Install an offset Multi-Use Path be denied. Since installation of the MUP at this time would be premature, the Engineering Department would support taking a Cash Payment, in lieu of future construction; together with the registration of a right of way over the subject property, to allow its future construction, since insufficient dedication currently exists.

Should Council decide to waive this requirement, it is important that the City still obtains the right of way over the property, as this will be necessary to construct a MUP in the future.

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Chris Moore Engineering Assistant

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Gabriel Bau P.Eng., City Engineer

CITY OF

To: His Worship Mayor Harrison and Members of Council

Date: February 27, 2023

Subject: Zoning Bylaw Amendment Application No. 1262

Legal:That Part of Legal Subdivision 9 of Section 24, Shown on Plan B1997;
Township 20, Range 10, W6M, KDYDCivic Address:2761 20 Avenue NEOwners:Stephen and Katherine DyckAgent:Browne Johnson Surveyors (Melanie Howard)

STAFF RECOMMENDATION

THAT: a bylaw be prepared for Council's consideration, adoption of which would amend Zoning Bylaw No. 2303 by rezoning That Part of Legal Subdivision 9 of Section 24, Shown on Plan B1997; Township 20, Range 10, W6M, KDYD <u>from</u> R1 (Single Family Residential) <u>to</u> R8 (Residential Suite Zone).

PROPOSAL

To rezone a single family dwelling R1 (Single Family Residential Zone) property to R8 (Residential Suite Zone). The applicant has also made a concurrent application for a two lot subdivision of the subject property.

BACKGROUND

The subject property is designated Residential Medium Density in the City's Official Community Plan (OCP), and zoned R1 (Single Family Residential) in the Zoning Bylaw (Appendix 3 & 4). The existing single family dwelling is to be demolished in order to proceed with a two lot residential subdivision. The subject property is approximately 935m² (see Appendix 5).

Adjacent land uses include the following:

North: single family residence/R1 South: single family residence and vacant lot/R4 East: single family residence/R1 West: single family residence/R1

Policy 8.3.25 of the OCP provides for the consideration of secondary suites in all Residential (High, Medium, and Low) designated areas via a rezoning application, subject to compliance with the Zoning Bylaw and the BC Building Code. Based on parcel area, the subject property and proposed lots have potential to meet the conditions for the development of a secondary suite or detached dwelling, including sufficient space to meet the building setback and parking requirements.

COMMENTS

Engineering Department

The Engineering Department has no concerns to the rezoning of this property. The Engineering Report dated February 24, 2023 (Appendix 6) will form the basis for the Preliminary Layout Review letter for the two lot subdivision application. Given the lot area and zoning, the proposed development is deemed "in-fill" and is exempt from frontage improvements.

Building Department

No concerns with the rezoning.

Fire Department

No concerns.

Public Consultation

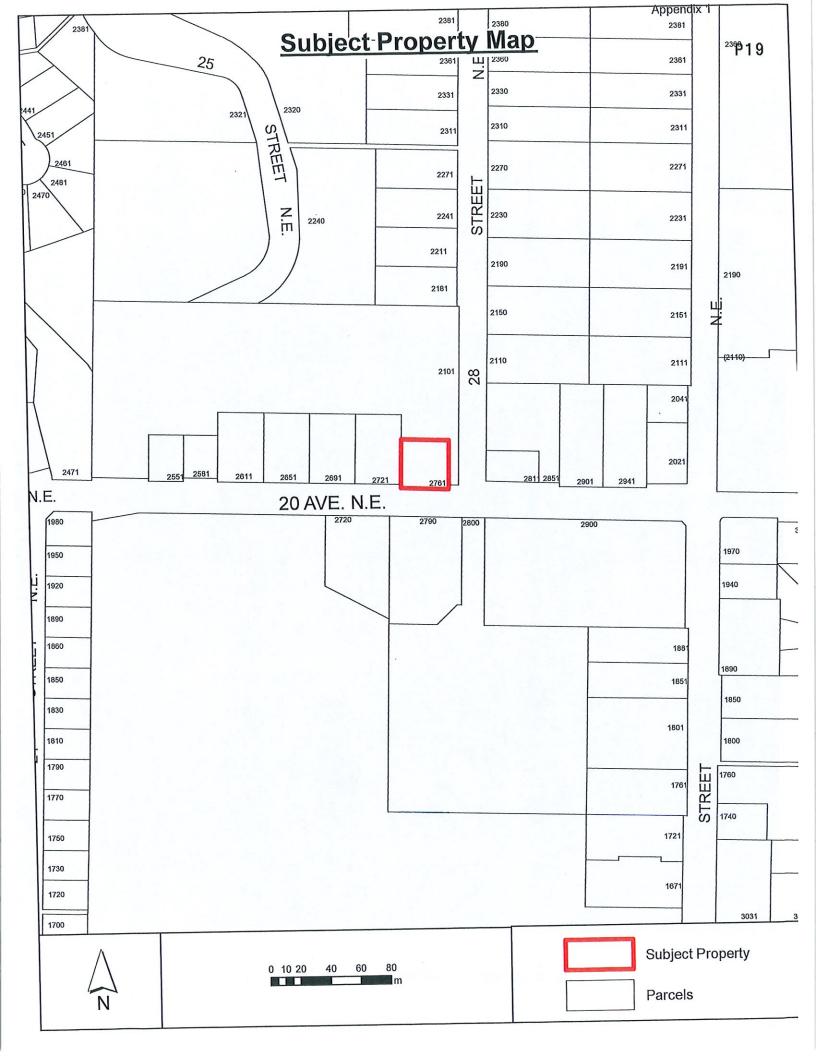
Pursuant to the *Local Government Act* and City of Salmon Arm Zoning Bylaw notices are mailed to land owners within a 30m radius of the application. Newspaper ads are placed in two editions of the local paper in advance of the Statutory Public Hearing. The notices outline the proposal and advises those with an interest in the proposal to provide written submission prior to the Statutory Public Hearing and information regarding attending the Hearing. It is expected that the Hearing for this application will be held on March 27, 2023.

Planning Department

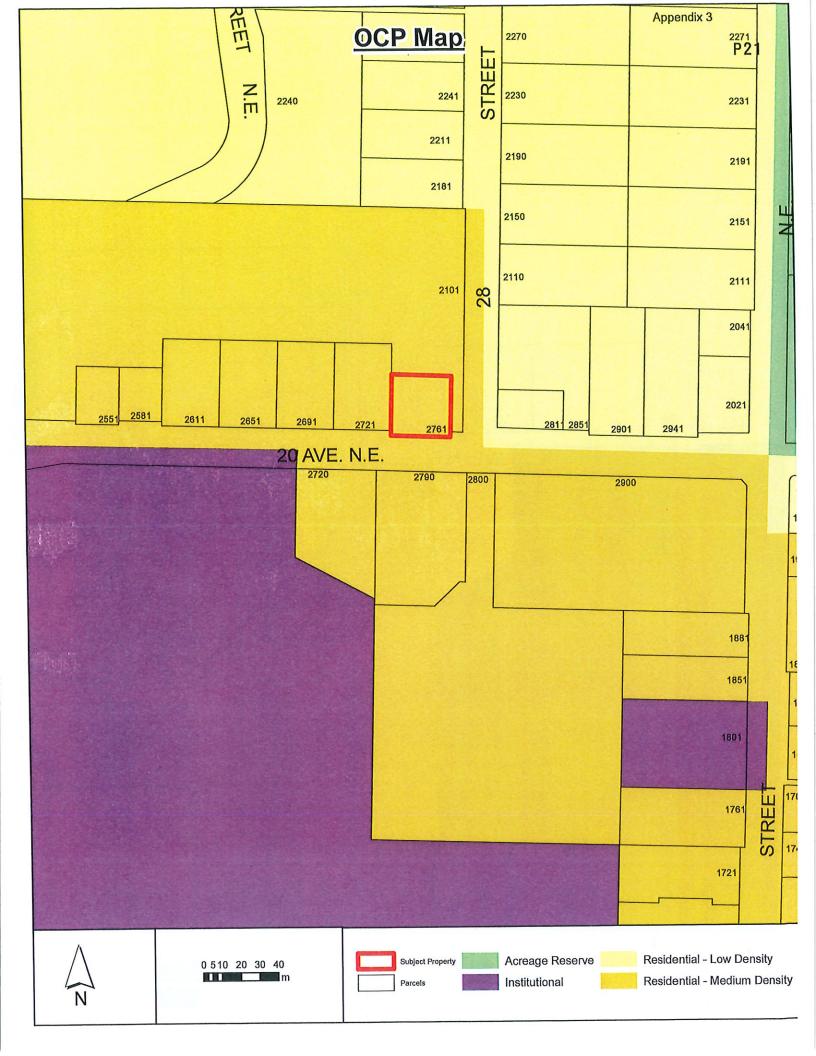
Given the proposed lot area and width, a residential two lot subdivision would be permitted and rezoning from R1 to R8 is supported by the previously mentioned OCP policy. Staff support the rezoning of the subject property from R1 (Single Family Residential Zone) to R8 (Residential Suite Zone).

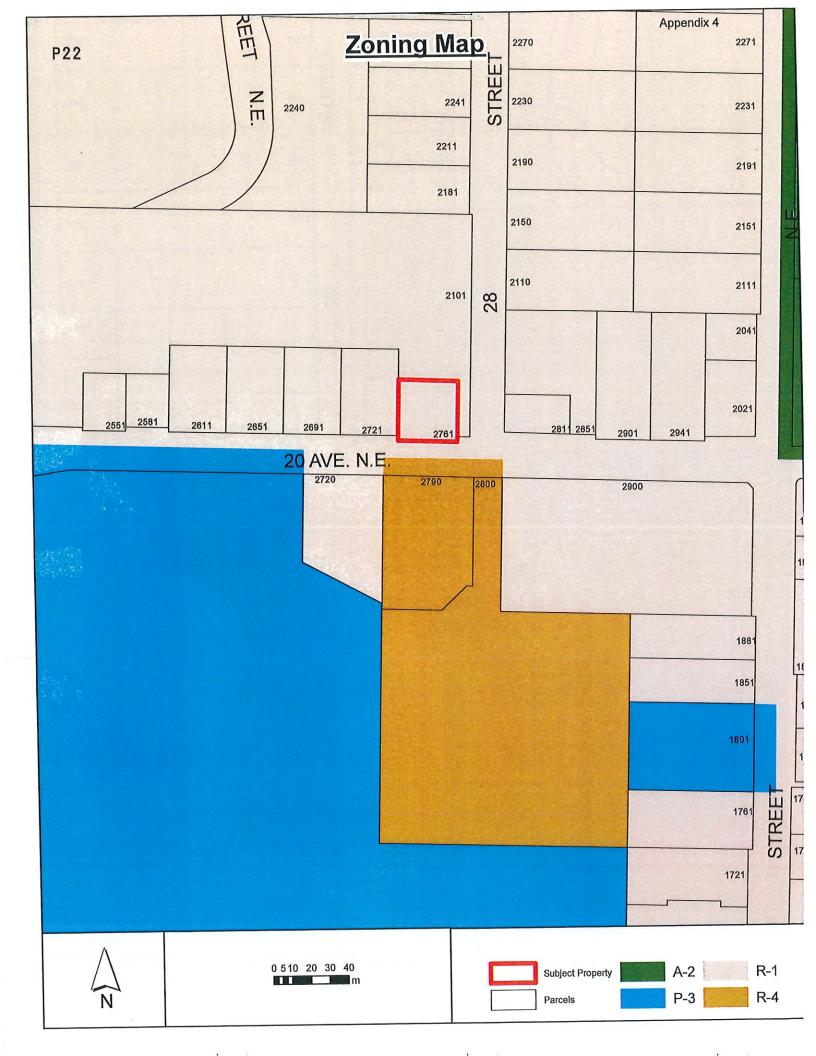
Prepared by: Melinda Smyrl, MCIP, RPP Planner

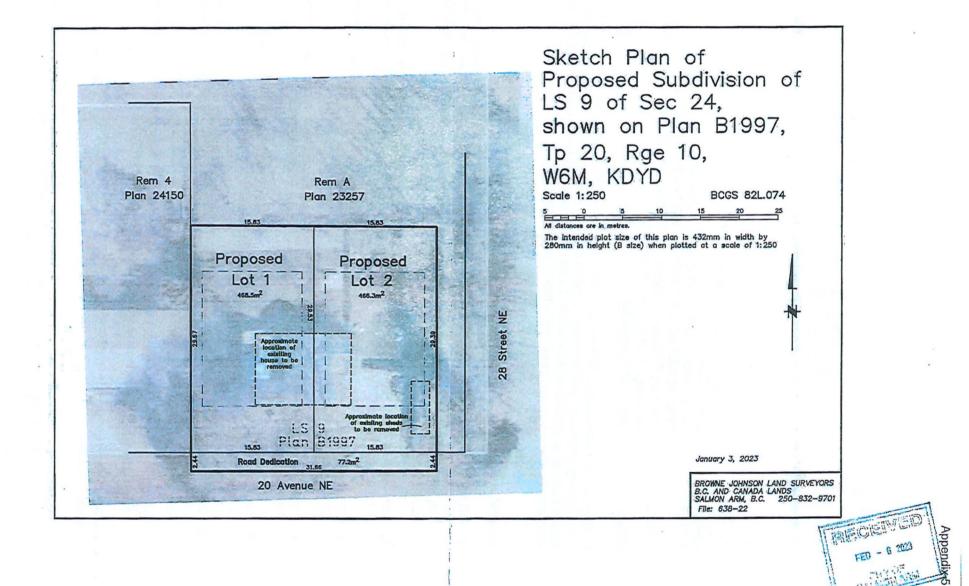
Reviewed by: Rob Niewenhuizen, AScT Director of Engineering and Public Works











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Memorandum from the Engineering and Public Works Department

TO:	Director of Development Services
DATE:	February 24, 2023
PREPARED BY:	Chris Moore, Engineering Assistant
APPLICANT:	S. & K. Dvck
SUBJECT:	SUBDIVISION APPLICATION NO. SUB-23.01 and
OODOLO II	ZONING AMENDMENT APPLICATION FILE NO. ZON- 1262
LEGAL:	That Part of Legal Subdivision 9 of Section 24 Shown on Plan B1997;
	Township 20, Range 10, W6M, KDYD
CIVIC:	2761 – 20 Avenue NE

Further to your referral dated 10 February 2023, we provide the following servicing information. The following comments and servicing requirements are not conditions for Rezoning, but are requirements as a condition of Subdivision. Engineering Department does not have any concerns related to the Rezoning and recommends that it be approved.

General:

- 1. Full municipal services are required as noted herein. Owner / Developer to comply fully with the requirements of the Subdivision and Development Services Bylaw No 4163. Notwithstanding the comments contained in this referral, it is the applicant's responsibility to ensure these standards are met.
- Comments provided below reflect the best available information. Detailed engineering data, or other information not available at this time, may change the contents of these comments.
- 3. This proposed subdivision is deemed "infill" and is exempt from frontage improvements under Subdivision and Development Servicing Bylaw No. 4163, Section 5.4.
- 4. Properties shall have all necessary public infrastructure installed to ensure properties can be serviced with electrical and telecommunication wiring upon development.
- 5. Property under the control and jurisdiction of the municipality shall be reinstated to City satisfaction, after any work has been undertaken related to the subdivision.
- 6. Owner / Developer will be responsible for all costs incurred by the City of Salmon Arm during construction and inspections. This amount may be required prior to construction. Contact City Engineering Department for further clarification.
- 7. Erosion and Sediment Control measures will be required prior to the commencement of construction. ESC plans to be approved by the City of Salmon Arm.

Roads / Access:

1. 20 Avenue NE, on the subject property's southern boundary, is designated as an Urban Collector Road standard, requiring 20.0m road dedication (10.0m on either side of road centerline). Available records indicate that 2.38m of additional road dedication is required (to be confirmed by a BCLS).

SUBDIVISION APPLICATION FILE: 23.01 February 24, 2023 Page 2

- 2. 20 Avenue NE is currently constructed to an Interim Local Road standard. No improvements will be required as per previously noted exemptions.
- 3. Since 20 Avenue NE is designated as a Collector Road, accesses shall be designed by keeping to a minimum number. Only 1 driveway access will be permitted onto 20 Avenue NE and a reciprocal access agreement will be required to service both lots. All unused driveways shall be removed. The Owner shall determine where the shared driveway to both lots will be located and should a new access be required across the City ditch, the Owner / Developer shall be responsible for all associated costs including tree removal, ditching, culvert and any works relating to the existing lawn basin that is located on the property's frontage.

Water:

- 1. The subject property fronts a 200mm diameter Zone 2 watermain on 20 Avenue NE. No upgrades will be required at this time.
- 2. Records indicate that the existing property is serviced by a 12.5mm diameter service from the 200mm diameter watermain on 20 Avenue NE. Due to size of the existing service, upgrading to a new metered service (minimum 25mm) is required. Water meter will be supplied by the City at the time of building permit, at the Owner / Developer's cost. All existing inadequate / unused services must be abandoned at the main. Owner / Developer is responsible for all associated costs
- 3. The proposed parcel is to be serviced by a single metered water service connection (as per Specification Drawing No. W-10), adequately sized to satisfy the proposed use (minimum 25mm). Water meter will be supplied by the City at the time of building permit, at the Owner / Developer's cost. Owner / Developer is responsible for all associated costs.
- 4. The subject property is in an area with sufficient fire flows and pressures according to the 2011 Water Study (OD&K 2012
- 5. Fire protection requirements to be confirmed with the Building Department and Fire Department.

Sanitary:

- 1. The subject property fronts a 200mm diameter sanitary sewer on 20 Avenue NE. No upgrades will be required at this time.
- 2. The remainder and proposed parcel(s) are each to be serviced by a single sanitary service connection adequately sized (minimum 100mm diameter) to satisfy the servicing requirements of the development. Owner / Developer is responsible for all associated costs.
- 3. The subject property is in an area with no current sanitary capacity concerns according to the City Sanitary Study (Urban Systems 2016).

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 Records indicate that the existing property is serviced by a 100mm service from the sanitary sewer on 20 Avenue NE. All existing inadequate/unused services must be abandoned at the main. Owner / Developer is responsible for all associated costs.

Drainage:

- The subject property fronts a 675mm diameter storm sewer on 20 Avenue NE. No upgrades will be required at this time.
- 2. Records indicate that the existing property is not connected to the City storm sewer.
- 3. The subject property is in an area with no current storm capacity concerns according to the Stormwater Master Plan Study (April 2020)- (Check section 6- Existing system assessment)
- An Integrated Stormwater Management Plan (ISMP) conforming to the requirements of the Subdivision and Development Servicing Bylaw No. 4163, Schedule B, Part 1, Section 7 shall be provided.
- 5. Where onsite disposal of stormwater is recommended by the ISMP, an "Alternative Stormwater System" shall be provided in accordance with Section 7.2.
- 6. Where discharge into the Municipal Stormwater Collection System is recommended by the ISMP, this shall be in accordance with Section 7.3. The proposed parcel(s) shall be serviced (each) by a single storm service connection adequately sized (minimum 150mm) to satisfy the servicing requirements of the development. Owner / Developer's engineer may be required to prove that there is sufficient downstream capacity within the existing City Storm System to receive the proposed discharge from the development. All existing inadequate / unused services must be abandoned at the main. Owner / Developer is responsible for all associated costs.

Geotechnical:

1. A geotechnical report in accordance with the Engineering Departments Geotechnical Study Terms of Reference for: Category A (Building Foundation Design is required.

Chris Moore Engineering Assistant

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Gabriel Beau Baiges P.Eng. City Engineer