
CITY OF KELOWNA

MEMORANDUM

Date: January 24, 2020
File No.: Z20-0005
To: Suburban and Rural Planning (TC)
From: Development Engineering Manager (JK)
Subject: 4628 Fordham Rd RU1 to RU6

The Development Engineering Department has the following comments and requirements associated with this application to rezone the subject property from RU1 to RU6. The road and utility upgrading requirements outlined in this report will be a requirement of this development. The Development Engineering Technician for this project is Aaron Sangster.

1. General

- a) Where there is a possibility of a high water table or surcharging of storm drains during major storm events, non-basement buildings may be required. This must be determined by the engineer and detailed on the Lot Grading Plan required in the drainage section.

2. Domestic Water and Fire Protection

- a) The subject property is currently serviced with a 19mm water service. One metered water service will be required for the development. The disconnection of the existing small diameter water services and the tie-in of a larger service is the developer's responsibility. You can engage an engineer and contractor to manage the work on your behalf or it can be provided by City forces at the developer's expense. If you chose to have it completed by City forces, you will be required to sign a Third-Party Work Order and pre-pay for the cost of the water service upgrades. For estimate inquiries please contact Mike Thomas, by email mthomas@kelowna.ca or phone, 250-469-8797.

3. Sanitary Sewer

- a) This property is currently serviced with a 100-mm sanitary service. The developer's consulting mechanical engineer will determine the development requirements of this proposed development and establish the service needs. Only one service will be permitted for this development. The applicant, at their cost, will arrange for the removal and disconnection of the existing services and the installation of one new larger service, if necessary.

4. Storm Drainage

- a) The developer must engage a consulting civil engineer to provide a storm water management plan for the site, which meets the requirements of the Subdivision, Development and Servicing Bylaw No. 7900. The storm water management plan must also include provision of lot grading plan, minimum basement elevation (MBE), if applicable, and provision of a storm drainage service for the development and / or

recommendations for onsite drainage containment and disposal systems. Only one service will be permitted for this development. The applicant, at his cost, will arrange the installation of one overflow service if required.

5. Subdivision Requirements

- a) Grant statutory rights-of-way if required for utility services.

6. Electric Power and Telecommunication Services

All proposed service connections are to be installed underground. It is the developer's responsibility to make a servicing application with the respective electric power, telephone and cable transmission companies to arrange for these services, which would be at the applicant's cost.

7. Road Improvements

- a) Fordham Rd must be upgraded to a local standard along the full frontage of this proposed development, curb and gutter, drainage system, pavement removal and replacement, and re-location or adjustment of utility appurtenances if required to accommodate the upgrading construction. The road cross section to be used is a SS-R6. A one-time cash payment in lieu of construction must be collected from the applicant for future construction by the City. The cash-in-lieu amount is determined to be **\$43,249.10**. not including utility service cost.

8. Geotechnical Report

Provide a geotechnical report prepared by a Professional Engineer competent in the field of hydro-geotechnical engineering to address the items below: NOTE: The City is relying on the Geotechnical Engineer's report to prevent any damage to property and/or injury to persons from occurring as a result of problems with soil slippage or soil instability related to this proposed subdivision. The Geotechnical reports must be submitted to the Development Services Department (Subdivision Approving officer) for distribution to the Development Engineering Branch and Inspection Services Division prior to submission of Engineering drawings or application for subdivision approval.

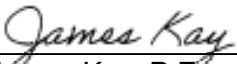
- (i) Area ground water characteristics, including any springs and overland surface drainage courses traversing the property. Identify any monitoring required.
- (ii) Site suitability for development.
- (iii) Site soil characteristics (i.e. fill areas, sulphate content, unsuitable soils such as organic material, etc.).
- (iv) Any special requirements for construction of roads, utilities and building structures.
- (v) Recommendations for items that should be included in a Restrictive Covenant.
- (vi) Recommendations for roof drains, perimeter drains and septic tank effluent on the site.
- (vii) Any items required in other sections of this document.

9. 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.

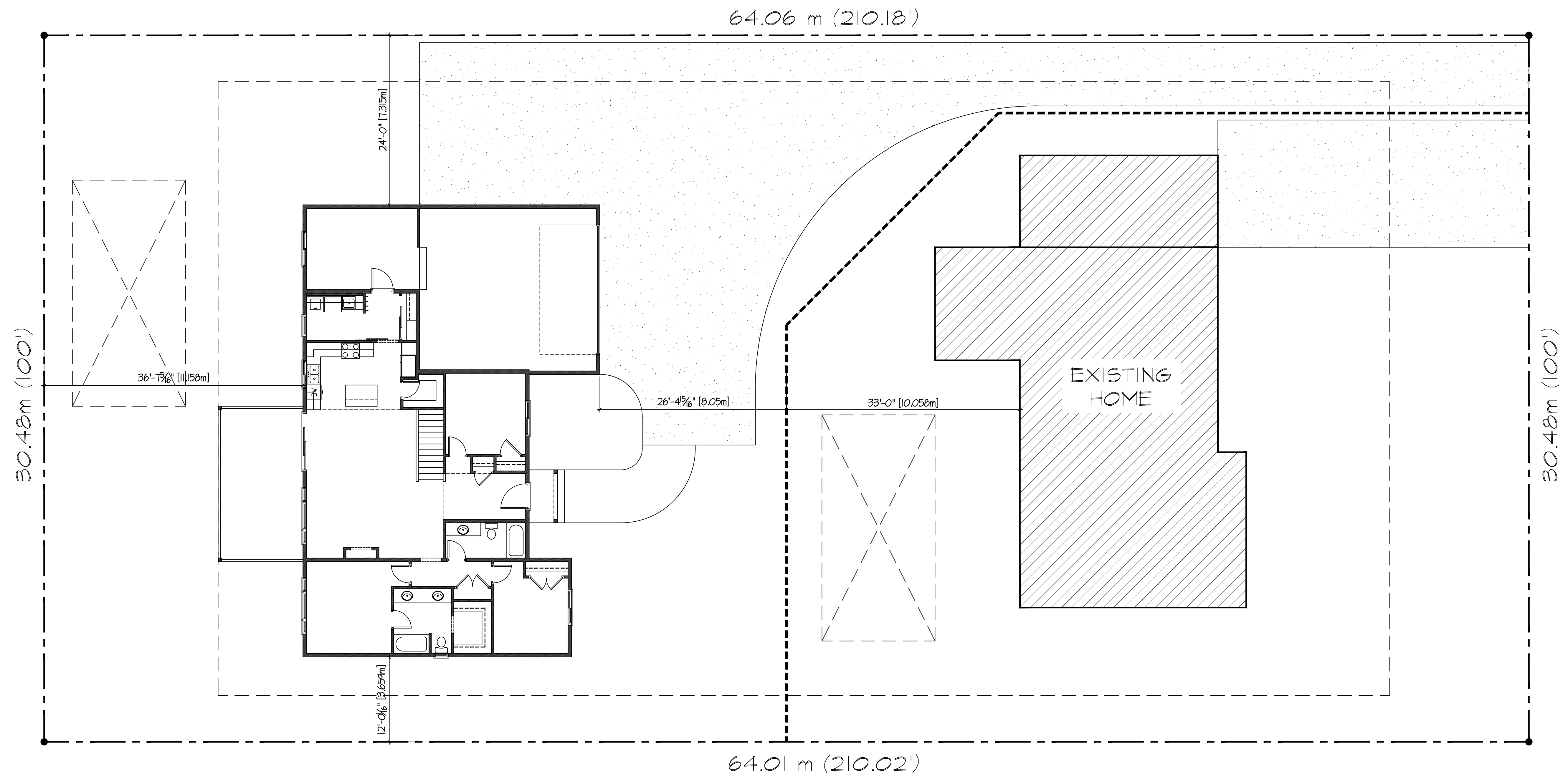
12. Charges and Fees

- a) Development Cost Charges (DCC's) are payable.
- b) Fees per the "Development Application Fees Bylaw" include:
 - i) Survey Monument, Replacement Fee: \$1,200.00 (GST exempt) – only if disturbed.
 - ii) Engineering and Inspection Fee: 3.5% of construction value (plus GST).



James Kay, P.Eng.
Development Engineering Manager

AS



PROPOSED SITE COVERAGE	
lot size.....	20,992.76 sq.ft. (1951 m2)
existing house footprint.....	2,072 sq.ft. (192.6 m2)
existing house driveway & parking.....	792 sq.ft. (73.61 m2)
new house footprint.....	2,636 sq.ft. (245 m2)
new house driveway & parking....	3,116 sq.ft. (289.6 m2)
building site coverage.....	22.4%
building & driveway site coverage....	41%

ATTACHMENT A

This forms part of application # 20-0005

Planner Initials **TC**

ERRORS AND OMISSIONS

- BAXTER DESIGN and SHANE BAXTER shall not be responsible for any variances from the structural drawings and specifications, or adjustments required resulting from conditions encountered at the job site, and is the sole responsibility of the owner or contractor.

- BAXTER DESIGN and SHANE BAXTER makes every effort to provide complete and accurate construction drawings. However, we assume no liability for any errors or omissions which may affect construction. It is the responsibility of all trades and sub-trades to check and verify all dimensions and details before commencing with their portion of the construction. Should any discrepancies be found on these plans please advise our office so we can make the necessary corrections.

SHANE BAXTER DESIGNS INC.
KELOWNA, B.C., CANADA
ph: (250) 862-9662
baxterdesign@shaw.ca | baxterhouseplans.com

PROPOSED REZONING FOR:
4628 FORDHAM ROAD
KELOWNA, B.C.

Drawing Scale: 1/4" = 1'-0"

Date: DEC. 16, 2019

Rev. Date:

Drn. By: S.H.B.

REZONING 1/2