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**CITY OF KELOWNA**  
**MEMORANDUM**

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**Date:** July 05, 2016  
**File No.:** Z16-0020  
**To:** Urban Planning Management (PM)  
**From:** Development Engineering Manager (SM)  
**Subject:** 160 Hwy 33 W P4 to C4

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The Development Engineering Department has the following comments and requirements associated with this application to rezone the property at 160 Hwy 33 W from P4 to C4 to accommodate a proposed craft distillery.

The Development Engineering Technologist for this project is Jason Ough

**1. General**

These are Development Engineering comments/requirements and are subject to the review and requirements from the Ministry of Transportation (MOTI) Infrastructure Branch.

**2. Domestic Water and Fire Protection**

- a) The property is located within the Rutland Water District (RWD) service area. The water system must be capable of supplying domestic and fire flow demands of the project in accordance with the Subdivision, Development & Servicing Bylaw. The developer is responsible, if necessary, to arrange with RWD staff for any service improvements and the decommissioning of existing services. Only one water service will be permitted to a consolidated lot.
- b) A water meter is mandatory for each property and must be installed inside the building on the water service inlet as required by the City Plumbing Regulation and Water Regulation bylaws. The developer or building contractor must purchase the meter from the City at the time of application for a building permit from the Inspection Services Department, and prepare the meter setter at his cost. Boulevard landscaping, complete with underground irrigation system, must be integrated with the on-site irrigation system.

**3. Sanitary Sewer**

The developer's consulting mechanical engineer will determine the development requirements of the proposed development and establish the service needs. This property is currently serviced with a 150mm diameter sanitary service. Only one service per lot will be permitted for this development. The applicant will arrange for the removal and disconnection of the existing service and the installation of one new larger service, if required, at the applicants cost.

**4. Storm Drainage**

- a) The developer must engage a consulting civil engineer to provide a storm water management plan which meets the requirements of the City Storm Water Management Policy and Design Manual. The storm water management plan must also include provision of a lot grading plan, identify minimum basement elevation (MBE), overland drainage routes, floodplain elevations and setbacks, and provision of a storm drainage service for the lot and /or recommendations for onsite drainage containment and disposal systems. The on-site drainage systems may be connected to the existing municipal drainage system in Highway 33 with an overflow service.
- b) Storm drainage systems, oil and grit separator and overflow service(s) for the site will be reviewed and approved by Engineering when site servicing designs are submitted.

**5. Road Improvements**

- a) Refer to MOTI comments and requirements regarding driveway access.
- b) Parking is limited to the rear of the building.

**6. Road Dedication and Subdivision Requirements**

- a) Grant Statutory Rights of Way if required for utility services.
- b) If any road dedication or closure affects lands encumbered by a Utility right-of-way (such as Hydro, Telus, Gas, etc.) please obtain the approval of the utility. Any works required by the utility as a consequence of the road dedication or closure must be incorporated in the construction drawings submitted to the City's Development Manager.

**7. 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.

**8. Design and Construction If offsite improvements are required.**

- 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 Development Engineering 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. Survey Monuments and Iron Pins**

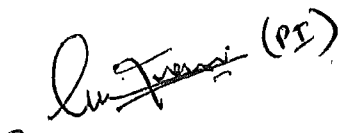
If any legal survey monuments or property iron pins are removed or disturbed during construction, the developer will be invoiced a flat sum of \$1,200.00 per incident to cover the cost of replacement and legal registration. Security bonding will not be released until restitution is made.

**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 Manager.

**11. Development Permit and Site Related Issues**

- a) Access and Manoeuvrability
  - (i) An SU-9 standard size vehicle must be able to manoeuvre onto and off the site without requiring a reverse movement onto public roadways.
  - (ii) Indicate on the site, the locations of loading bays as well as the garbage and recycle bins.

 (PE)

Per \_\_\_\_\_  
Steve Muenz, P. Eng.  
Development Engineering Manager

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