

# GENERAL NOTES:

SYMBOL LEGEND:

CONTEXT SITE PLAN:

- IN THE CASE OF DISCREPANCY, THE DESIGNER IS TO BE NOTHED BEFORE URDER, CAN COMMENCE. COMMENCEMENT OF CONSTRUCTION SHALL CONSTITUTE ACCEPTANCE OF CONCITIONS AS SATISF.
- REFER TO MEDIMINICAL DRIVINGS FOR FINAL PLUMBING AND HAND LAYOUT AND SPECIFICATIONS. REFER TO ELECTRICAL DRIVINGS FOR FINAL LICHT, QUILLETS AND ELECTRICAL PAREL LOCATIONS SPEC.

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- REFER TO CIVIL DRAWINGS FOR OFFSITE CONSTRUCTION AND FINAL, SITE DRAMAGE LAYO
- REFER TO LANDSCAPE DRAWINGS FOR FINAL LANDSCAPE LAYOUT. REFER TO STRUCTURAL DRAWINGS FOR FINAL WALLIALDGRIRGOFFOOLUMN LAYOUT AND SPEI
- THE CHRIBITI B.C.B.C. 2012, IT'S REQUIREMENTS AND ALL ACENDA. SHALL FORM AN INTEGRAL P THESE DRAWNINGS, ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL COMPIENT OTHER STHAMBOOG.
- ALL DRAWINGS ARE TO BE BEAD AS A COMPLETE SET IN CONLINCTION WITH SPECIFICATIONS STRUCTURAL, MECHANICAL ELECTRICAL, AND LANDSCAPE DRAWINGS AS APPLICABLE. 2. ALL WORK TO CONFORM TO LOCAL BYLAMS AND DEVELOPMENT PERMIT REQUIREMENTS.
- ALL WORK MIL BE SUBJECT TO THED PRIPAR BY THE DISBLAND NO COTHER RESURTINGS THE PROFESSION NESS TO WHILE STUDIES THE SUBJECT TO THE DISPLAND ON PRESEDON THIS STUDIES THE SUBJECT OF THE PROFESSION CORRUSTAND.

  ALL WORK MILL THE THE SPROUGL OF THE REPRESSION CORRUSTAND SO COMPANDED ON CONTRIBUTIONS ON THE NO.

- STARTING WORK ON THIS PROJECT BY MAY SUB-CONTRACTOR MENNS THAT THE MODIES HAVE BEEN REVIEWED AND NO EXTRA CLAM FOR COST WILL BE PUT FORWIND TO MEET PROFESSIONAL CONSULTANTS FIELD REVIEW REQUIREMENTS.
- ALE SUB-CONTRACTORS WILL BE REQUIRE TO ACKNOWLEDGE COMPLUNCE WITH ABOVE CO SIGNING A COPY OF THESE REQUIREMENTS WHICH MUCH ACCOMPLIANT THEIR QUOTATION.
- THE CONTRACTOR / CLEWTS TO NFORM THE DESIGNER IN WRITING 24 HOURS PRIOR TO S CONSTRUCTION OF THE PROJECT.
  - THE SUB-CONTRACTOR IS TO CHECK ALL DIMENSIONS AFFECTION HIS TRADE AND IN THE CASE O DISCREPANCY THE CONTRACTOR IS TO BE NOTHED BEFORE WORK CAN COMMENCE.

### DRAWING INDEX:

CONSULTANTS:

ILLUSTRATION:

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Assembly Tags







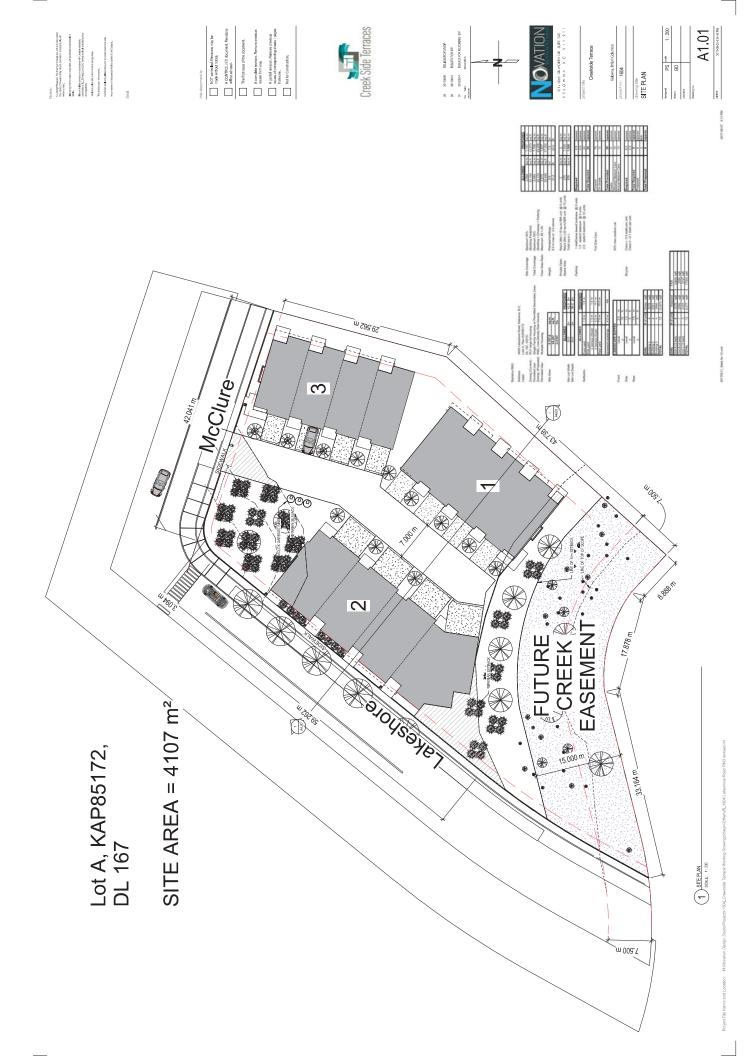


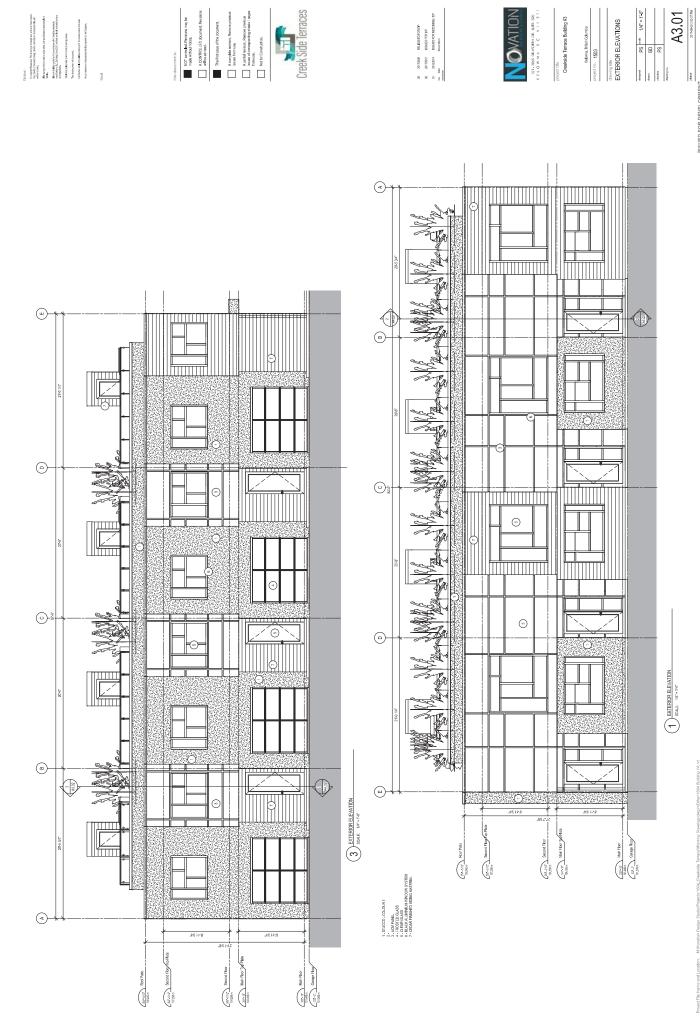


Creekside Terrace

PROJECT INFORMATION AND DRAWINGS INDEX

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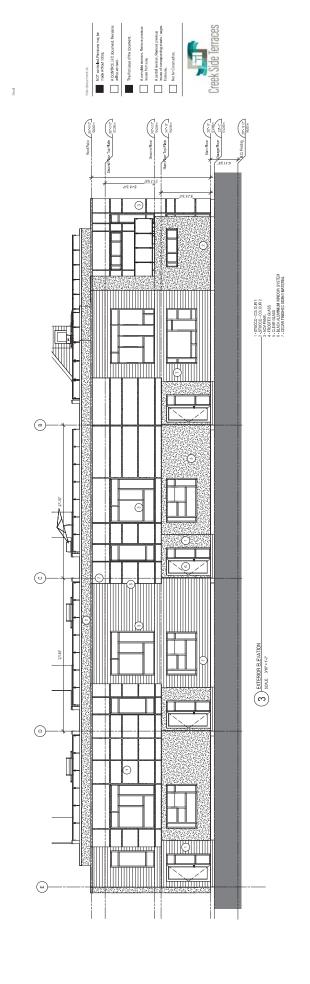
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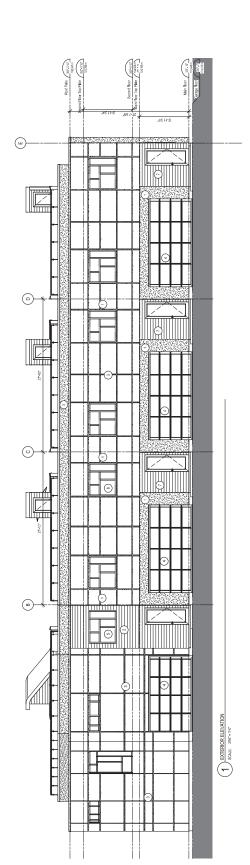
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drawing title

EXTERIOR ELEVATIONS

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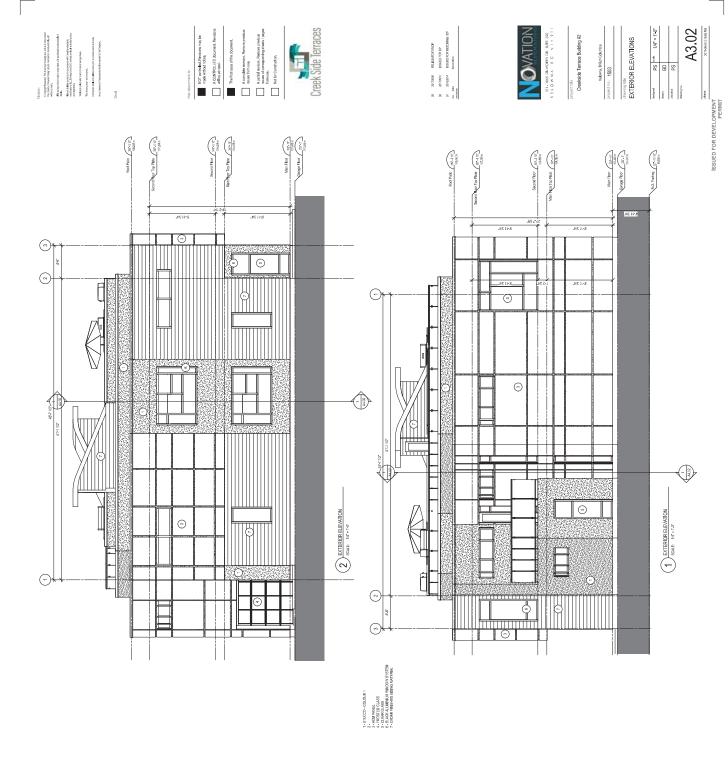
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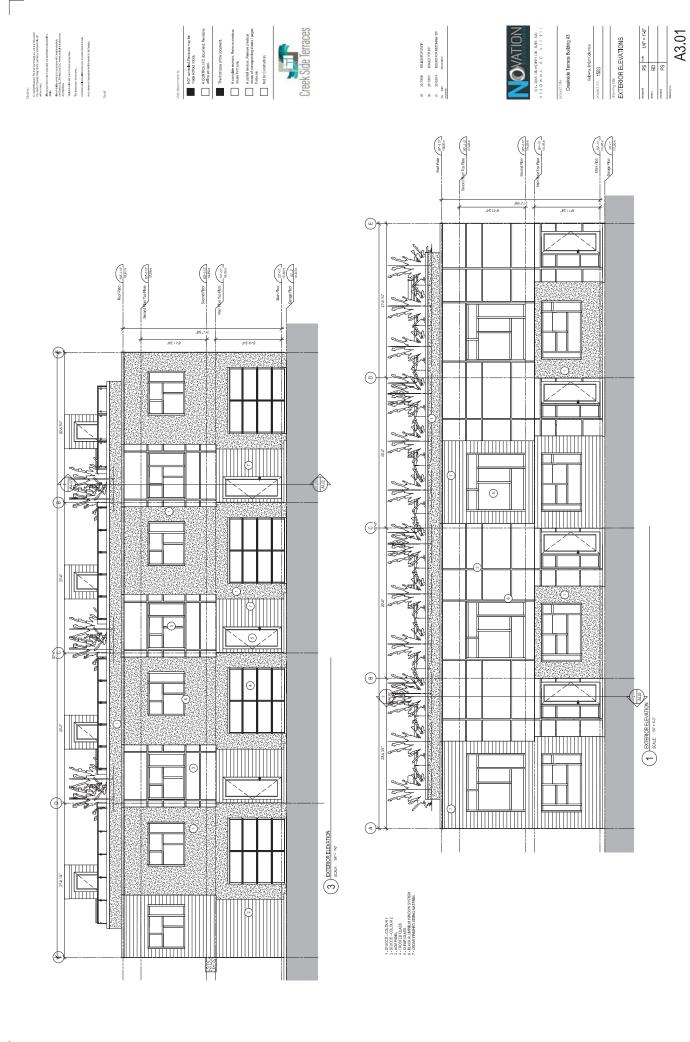
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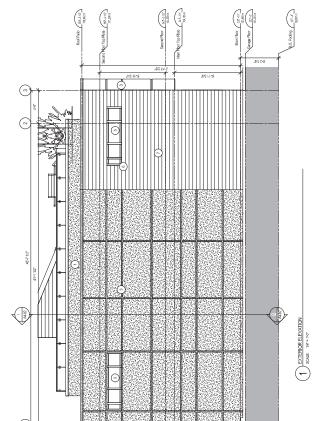




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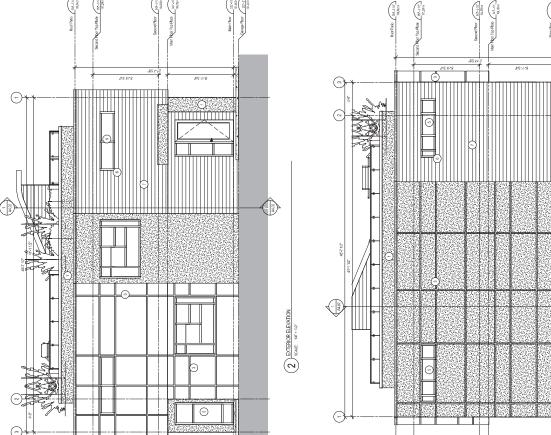
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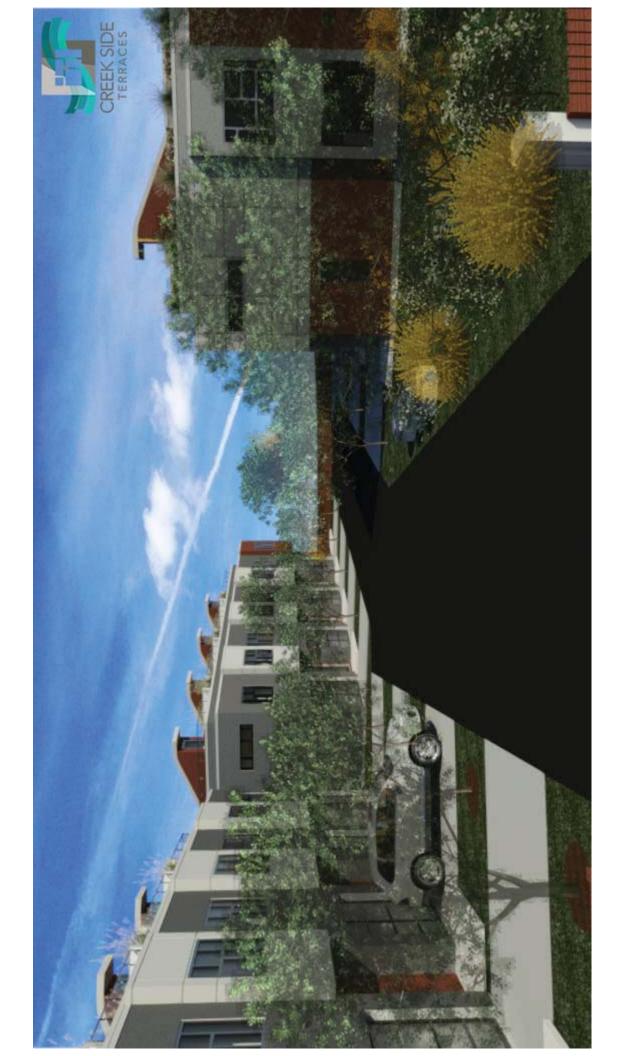
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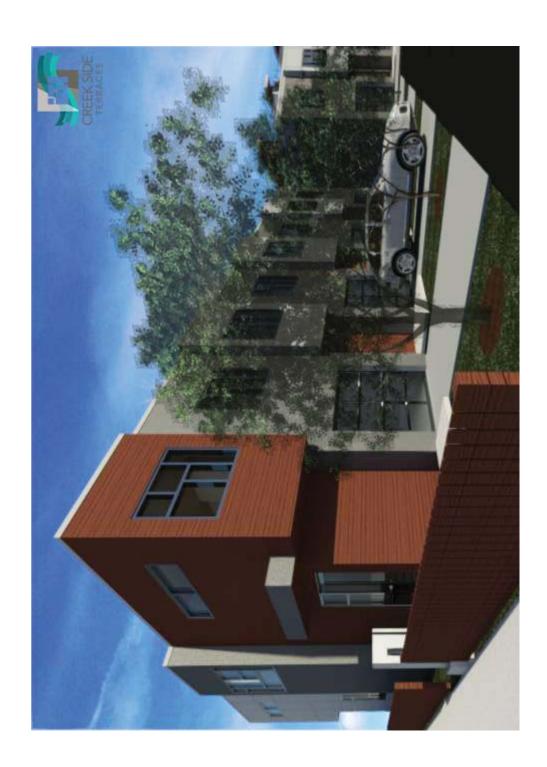


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OUTLAND DESIGN LANDSCAPE ARCHITECTURE

206 - 1889 Spall Road Kelowna, BC V17 4R2 T (250) 868-9270 www.outlanddesign.ca

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**CREEKSIDE TERRACES** 

KELOWINA, BC

CONCEPTUAL LANDSCAPE PLAN

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### CREEKSIDE TERRACE

City Name, BC

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WATER CONSERVATION
/ IRRIGATION PLAN

### **CITY OF KELOWNA**

### **MEMORANDUM**

Date:

November 21, 2016

File No.:

Z16-0068

To:

Community Planning (TB)

From:

Development Engineering Manager (SM)

Subject:

4609 Lakeshore Road

RM3

The Development Engineering Department has the following comments and requirements associated with this rezoning application. The road and utility upgrading requirements outlined in this report will be a requirement of this development.

The Development Engineering Technologist for this project is Sergio Sartori

### 1. Domestic Water and Fire Protection

- (a) The existing lot is serviced with 25mm diameter water service. The developer's consulting mechanical engineer will determine the domestic and fire protection requirements of this proposed development and establish hydrant requirements and service needs. The estimated cost of this construction for bonding purposes is \$12,000.00
- (b) The applicant, at his cost, will arrange for the removal of the existing service on Lakeshore Rd and the installation of one new larger metered water service. The new service should tie in to the main on McClure Rd.
- (c) The developer must obtain the necessary permits and have all existing utility services disconnected prior to removing or demolishing the existing structures. The City of Kelowna water meter contractor must salvage existing water meters, prior to building demolition. If water meters are not salvaged, the developer will be invoiced for the meters.

### 2. Sanitary Sewer

(a) The existing lot is serviced with a 100mm diameter sanitary service. The developer's consulting mechanical engineer will determine the requirements of this proposed development and establish the required size and preferred location of the new service. Only one service will be permitted for this development. The applicant, at his cost, will arrange for the removal of the existing small diameter service and the installation of a new larger service. The new service should tie in to the main on McClure Rd. The estimated cost of this construction for bonding purposes is \$10,000.00

### 3. 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

This forms part of application
# OCP16-0023
Z16-0068 City of

SCHEDULE

must also include provision of lot grading plan, minimaling basement elevating (MBE), if applicable, and provision of a storm development and / or recommendations for onsite drainage containment and disposal systems. The existing lot is not serviced. Only one service will be permitted for this development. The applicant, at his cost, will arrange the installation of one overflow service if required. The estimated cost of this construction for bonding purposes is \$5,000.00

### 4. Road Improvements

- (a) Lakeshore Road has been upgraded to an urban standard along the full frontage of this proposed development. The existing driveway letdown must be removed and replaced with curb & gutter, landscaped boulevard complete with street trees, separate sidewalk and re-location or adjustment of utility appurtenances if required to accommodate the upgrading construction. The estimated cost of this construction for bonding purposes is \$7,000.00
- (b) McClure Road must be upgraded to an urban standard along the full frontage of this proposed development, including curb and gutter, sidewalk, landscaped boulevard complete with street trees, storm drainage system including catch basins, manholes and pavement removal and replacement, street lighting and relocation or adjustment of utility appurtenances if required to accommodate the upgrading construction. The estimated cost of this construction for bonding purposes is \$33,000.00

### 5. 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.

### 6. Electric Power and Telecommunication Services

The electrical and telecommunication services to this building must be installed in an underground duct system, and the building must be connected by an underground service. 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

- (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. 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. <u>Servicing Agreements for Works and Services</u>

- (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 as required.
- (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. Geotechnical Report

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

## This forms part of application # OCP16-0023 Z16-0068 Planner Initials TB Community PLANNING

### 12. Bonding and Levy Summary

### (a) <u>Bonding</u>

Water service upgrades \$12,000
Sanitary sewer service upgrades \$10,000
Storm overflow services \$5,000
Lakeshore Rd frontage improvements \$7,000
McClure Rd frontage improvements \$33,000
Total Bonding \$67,000.00

NOTE: The bonding amount shown above are comprised of estimated construction costs escalated by 140% to include engineering design and contingency protection and are provided for information purposes only. The owner should engage a consulting civil engineer to provide detailed designs and obtain actual tendered construction costs if he wishes to do so. Bonding for required off-site construction must be provided and may be in the form of cash or an irrevocable letter of credit, in an approved format.

The owner must also enter into a servicing agreement in a form provided by the City.

### 13. <u>Development Permit and Site Related Issues</u>

- (a) Access and Manoeuvrability
  - (i) Indicate on the site, the locations of loading bays as well as the garbage and recycle bins.
  - (ii) Access to the site will be permitted from McClure Road and shall be a minimum 15m from the property line of Lakeshore Rd.

### 14. Administration Charge

An administration charge will be assessed for processing of this application, review and approval of engineering designs and construction inspection. The administration charge is calculated as (3.5% of Total Off-Site Construction Cost plus GST)

Steve Muenz, P. Eng.

Development Engineering Manager

SS

### **CITY OF KELOWNA**

### **MEMORANDUM**

Date:

November 21, 2016

File No.:

OCP16-0023

To:

Community Planning (TB)

From:

Development Engineering Manager (SM)

Subject:

4609 Lakeshore Road

The Development Engineering Branch comments and requirements regarding this OCP amendment application are as follows:

### 1. General

All the offsite infrastructure and services upgrades are addressed in the Rezoning Engineering Report under file Z16-0068.

Steve Muenz, P. Eng.

Development Engineering Manager

SS

Initials

### **CITY OF KELOWNA**

### **MEMORANDUM**

Date:

November 21, 2016

File No.:

DP16-0249

To:

Community Planning (TB)

From:

Development Engineer Manager (SM)

Subject:

4609 Lakeshore Road

The Development Engineering comments and requirements regarding this Development Permit application are as follows:

### 1. General.

a) All the offsite infrastructure and services upgrades are addressed in the Development Engineering Report under file Z16-0068.

Development Engineering Manager

SS