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# CITY OF KELOWNA

## MEMORANDUM

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**Date:** January 18, 2018  
**File No.:** Z18-0006  
**To:** Community Planning (AF)  
**From:** Development Engineering Manager (JK)  
**Subject:** 1018 – 1024 Laurier Ave

<b>ATTACHMENT A</b>	
This forms part of application # Z18-0006	
Planner Initials	AF
 City of <b>Kelowna</b> COMMUNITY PLANNING	

RU6 & RM4 to RM3

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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 Jason Angus

### 1. Domestic Water and Fire Protection

- a) Property 1018 Laurier Ave is currently serviced with a 25mm-diameter water service. Property 1024 Laurier Ave is currently serviced with a 50mm-diameter water service. The developer's consulting mechanical engineer will determine the domestic, fire protection requirements of this proposed development and establish hydrant requirements and service needs. The applicant will arrange for the removal and disconnection of the existing services and the installation of one new larger service at the applicants cost.
- b) A water meter is mandatory for this development 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
- 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

Our records indicate that these properties are currently serviced with a 100mm-diameter sanitary sewer service. The applicant's consulting mechanical engineer will determine the requirements of the proposed development and establish the service needs. Only one service will be permitted for this development. If required, the applicant will arrange for the removal and disconnection of the existing service and the installation of one new larger service at the applicants cost.

### 3. Storm Drainage

The developer must engage a consulting civil engineer to provide a storm water management plan for this site which meets the requirements of the City Subdivision

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Development and Servicing Bylaw 7900. The storm water management plan must also include provision of lot grading plans, minimum basement elevations (MBE), if applicable, and provision of a storm drainage service and recommendations for onsite drainage containment and disposal systems

#### 4. **Road Improvements**

- (a) Laurier Ave must be upgraded to an urban standard along the full frontage of this proposed development, including curb and gutter, Landscaped boulevard c/w irrigation, sidewalk, drainage system including catch basins, manholes and pavement removal and replacement and re-location or adjustment of utility appurtenances if required to accommodate the upgrading construction. Road cross section to be used is a SS-R7. A one-time cash payment in lieu of construction must be collected from the applicant for future construction by the City. However, a cash-in-lieu payment has already been received for the previous development on 1024 Laurier Ave and will be subtracted from the total frontage cost. (\$46,876.56 - \$9,146.62) The cash-in-lieu amount is determined to be **\$37,729.94** not including utility service cost.
- (b) The Laneway fronting this development has already been upgraded. No further upgrades are needed at this time.

#### 4. **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.
- (c) Lot consolidation is required.

#### 5. **Development Permit and Site Related Issues**

- a) Direct the roof drains into on-site rock pits or splash pads.
- b) The vehicle access to this site must be from the Laneway.

#### 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.

#### 7. **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.



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- (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.

#### 8. **Servicing Agreement for Works and Services**

- (a) A Servicing Agreement is required for all 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.

#### 9. **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).

#### 9. **Survey, Monument 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. **Geotechnical Report**

As a requirement of this application the owner must provide a geotechnical report prepared by a Professional Engineer qualified in the field of hydro-geotechnical survey to address the following:

- (a) Area ground water characteristics.
- (b) Site suitability for development, unstable soils, etc.
- (c) Drill and / or excavate test holes on the site and install piezometers if necessary. Log test hole data to identify soil characteristics, identify areas of fill if any. Identify unacceptable fill material, analyse soil sulphate content, identify unsuitable underlying soils such as peat, etc. and make recommendations for remediation if necessary.
- (d) List extraordinary requirements that may be required to accommodate construction of roads and underground utilities as well as building foundation designs.

(e) Additional geotechnical survey may be necessary for building foundations, etc.

**11. Bonding and Levy Summary**

(a) Bonding

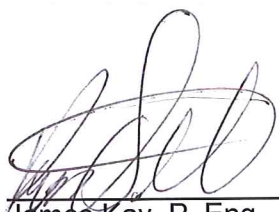

(i) Utility improvements

**TBD**

(b) Total Cash-in-lieu

a. Laurier Ave Improvements

**\$37,729.94**

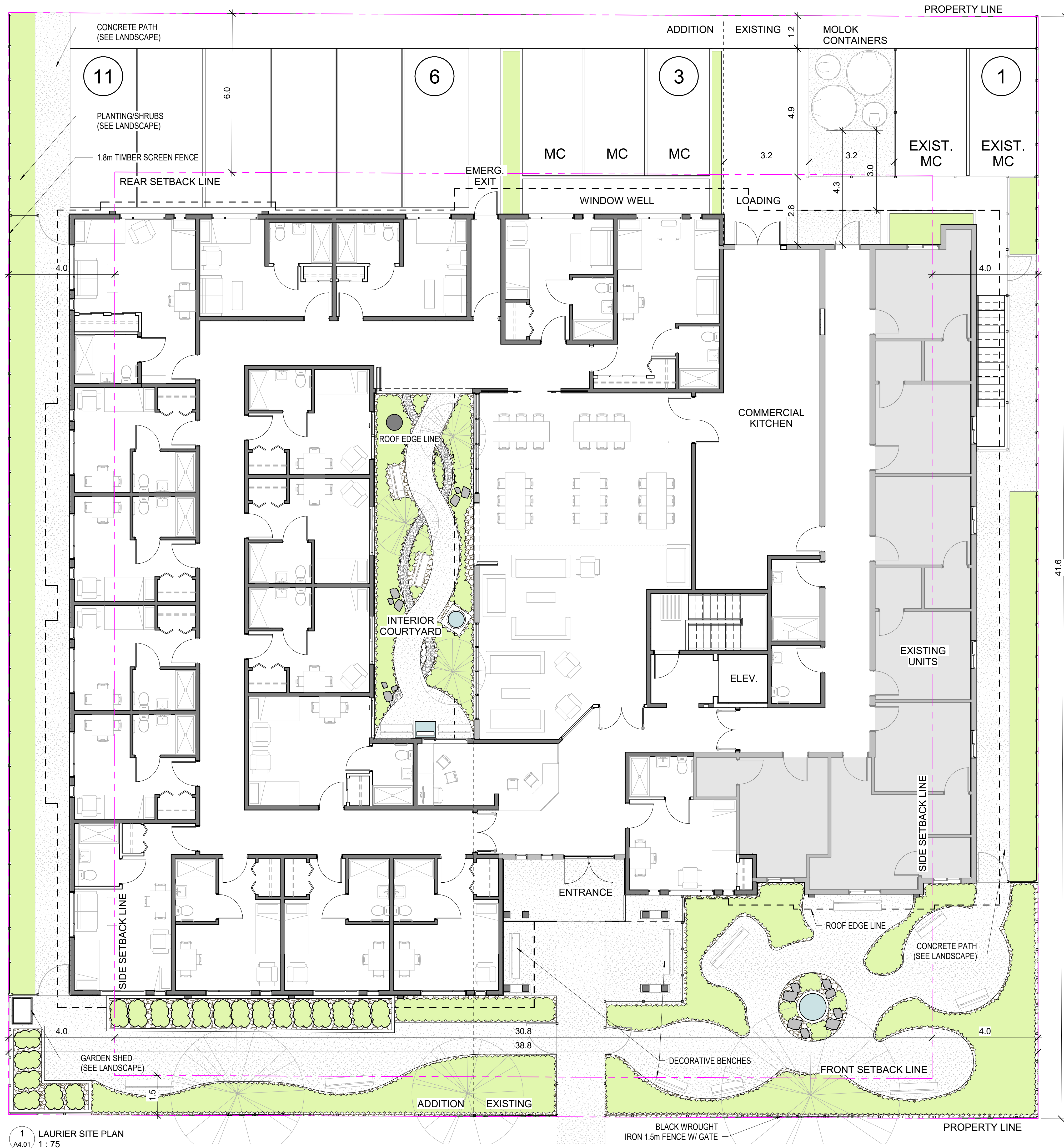
  
  
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James Kay, P. Eng.  
Development Engineering Manager  
JA



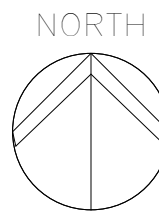
ATTACHMENT B

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Planner  
Initials AF



1 LAURIER SITE PLAN  
A4.01 1:75



ALL CONTRACTORS ARE REQUIRED TO PERFORM THEIR WORK AND SUPPLY THEIR PRODUCTS IN COMPLIANCE WITH ALL BUILDING CODES AND LAWS OF THE PROVINCE OF BRITISH COLUMBIA  
This drawing is an instrument of service and the property of New Town Services. The use of this drawing shall be restricted to the original site for which it was prepared and publication thereof is expressly limited to such use.  
This drawing must not be scaled  
Verify all dimensions and datums prior to commencement of work.  
Report all errors and omissions to the Architect.



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URBAN PLANNING  
CIVIL ENGINEERING  
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Seal

Revision

No	Date	Description
1	17-12-22	ISSUED FOR DP
2	18-01-09	RE-ISSUED FOR DP
3	18-02-22	RE-ISSUED FOR DP

project title

AMBLESIDE - SENIOR  
CARE EXPANSION

project address

1018 & 1024 LAURIER  
AVE., KELOWNA, BC

project no. 4032

file no.

drawing title

SITE PLAN

designed

L.A.

scale

1:75

drawn

L.A.

checked

R.Y.

drawing no.

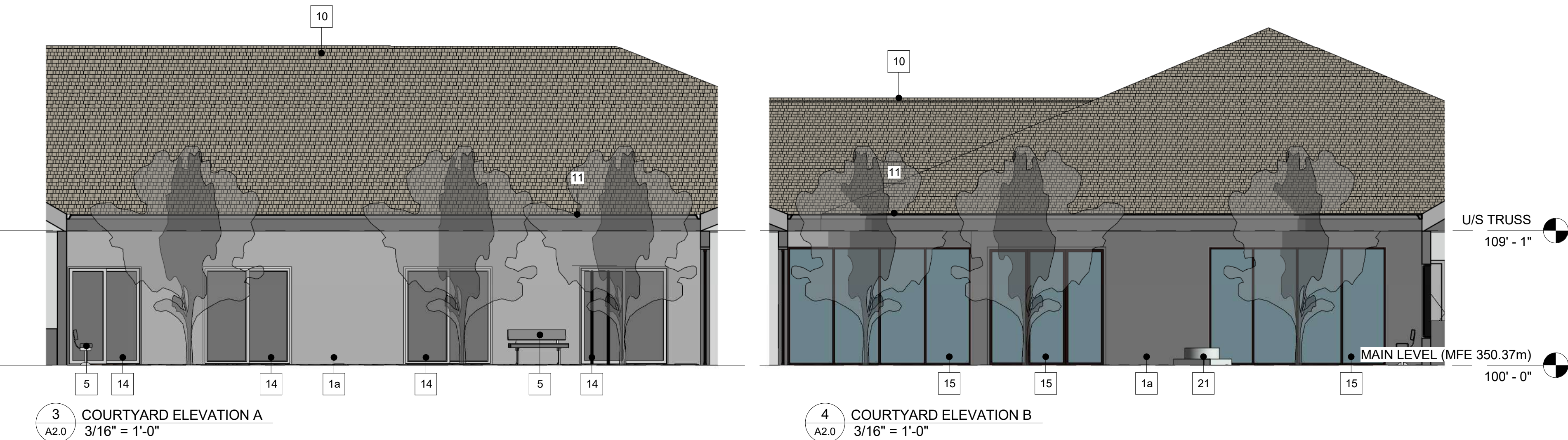
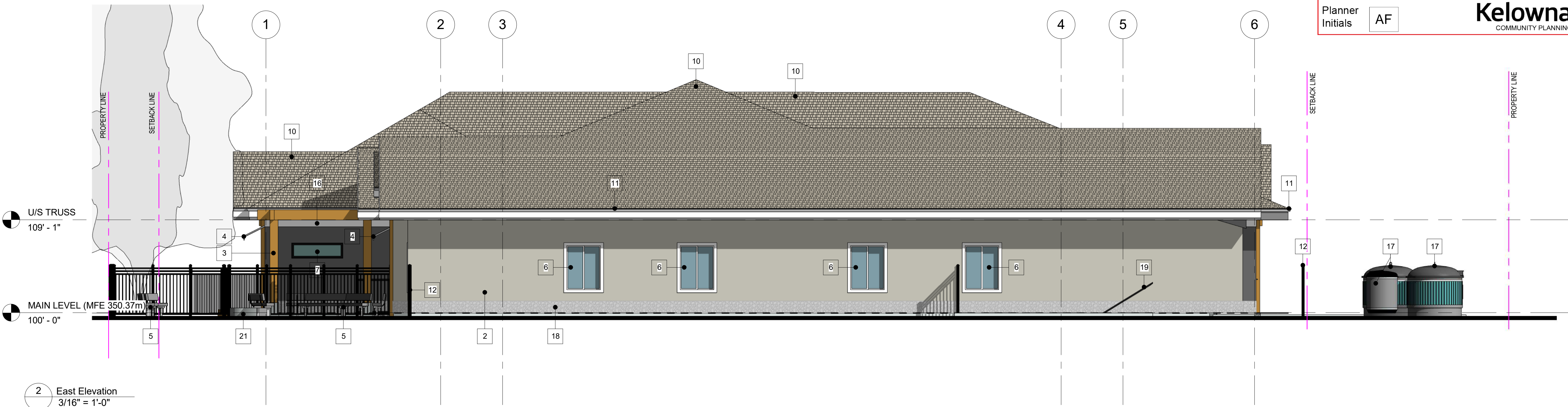
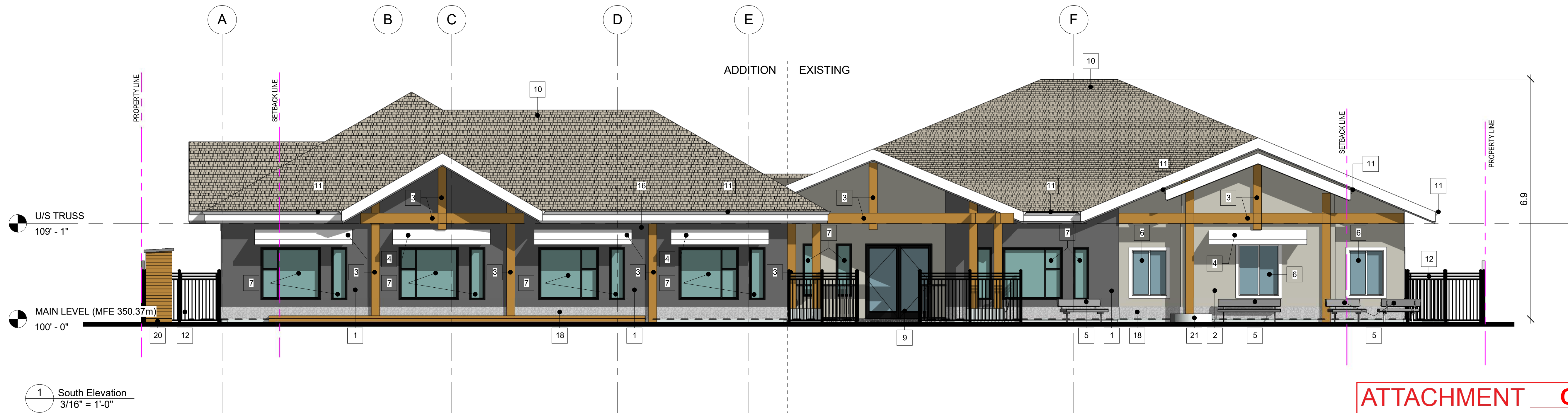
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NOT FOR CONSTRUCTION





#### MATERIAL KEYNOTE LEGEND

- |   |   |
|---|---|
| 1. STUCCO - COLOUR A (DARK GREY)                        | 11. RAIN GUTTER                                     |
| 1a. STUCCO - COLOUR B (LIGHT GREY)                      | 12. METAL FENCE                                     |
| 2. NEW PAINT FINISH (OVER EXIST'G STUCCO) - COLOUR A    | 13. ROOF WINDOW / SKYLIGHT                          |
| 2a. NEW PAINT FINISH (OVER EXIST'G STUCCO) - COLOUR B   | 14. NEW SLIDING GLASS DOORS                         |
| 3. WOOD TRELLIS   | 15. NEW FOLDABLE GLASS WALL                         |
| 4. WINDOW SHADING                                       | 16. HARDI PANEL VENEER                              |
| 5. DECORATIVE BENCH                                     | 17. MOLOK GARBAGE CONTAINERS                        |
| 6. REPAINT EXISTING WINDOW                              | 18. STONE BASE VENEER                               |
| 7. NEW WINDOW   | 19. REPAINT EXIST'G RAILING (PREP SURFACE AS REQ'D) |
| 8. REPAINT EXIST'G DOOR & FRAME (PREP SURFACE AS REQ'D) | 20. GARDEN SHED                                     |
| 9. NEW WOOD DOORS                                       | 21. WATER FEATURE                                   |
| 10. SHINGLE ROOF (NEW TO MATCH EXISTING)                |   |

#### ATTACHMENT C

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#### project title

AMBLESIDE - SENIOR CARE EXPANSION

#### project address

1018 & 1024 LAURIER AVE., KELOWNA, BC

#### project no.

4032

#### file no.

#### drawing title

**BUILDING ELEVATIONS**

#### designed

L.A.

#### scale

As indicated

#### drawn

L.A.

#### checked

R.Y.

#### drawing no.

**A4.01**

plotted FEB 22, 2018 2/22/2018 2:12:25 PM



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project no. 4032

file no.

drawing title

BUILDING  
ELEVATIONS

designed

L.A.

scale

As indicated

drawn

L.A.

checked

R.Y.

drawing no.

A4.02

plotted FEB 22, 2018

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