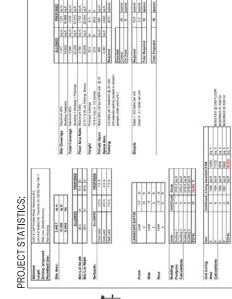
CONSULTANTS:

CONTEXT MAP:



AERIAL PHOTOGRAPH:





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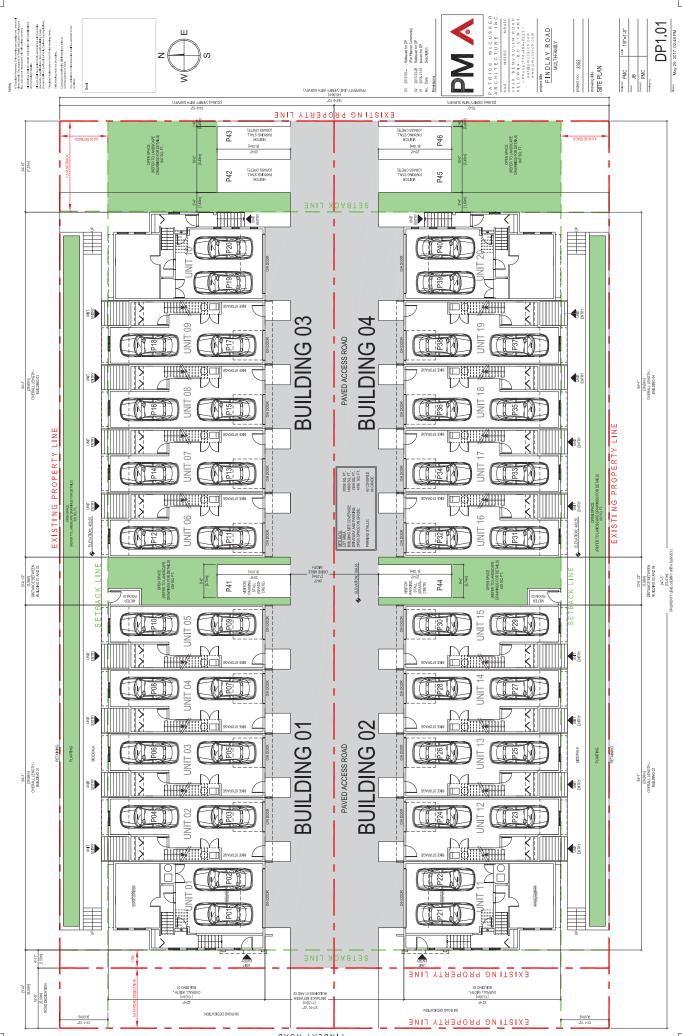
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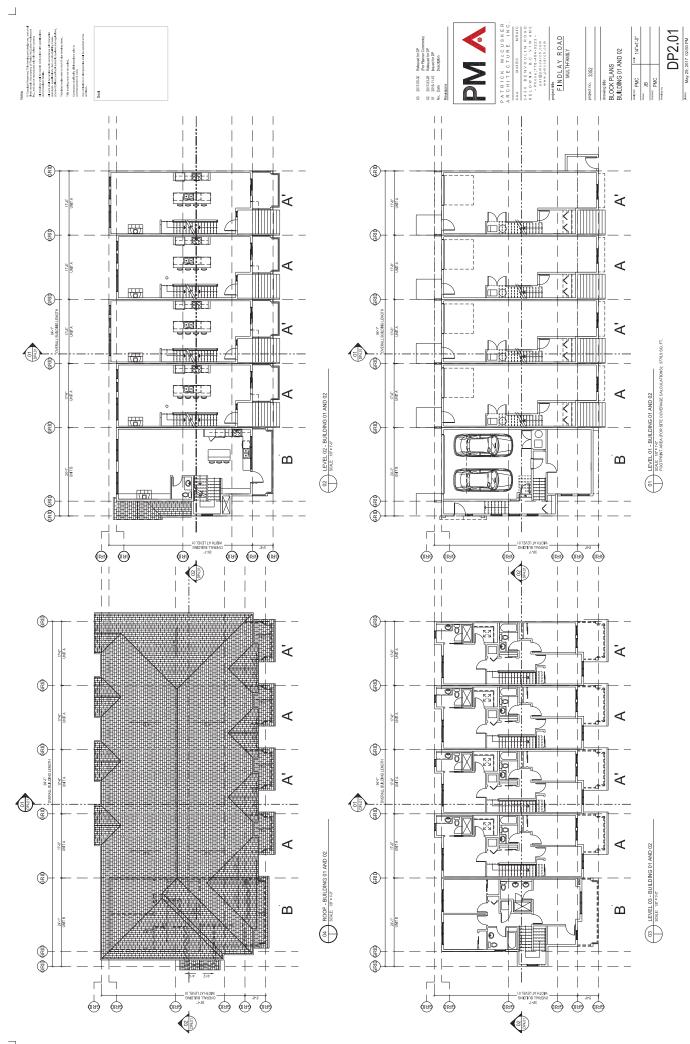
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ILLUSTRATIONS:

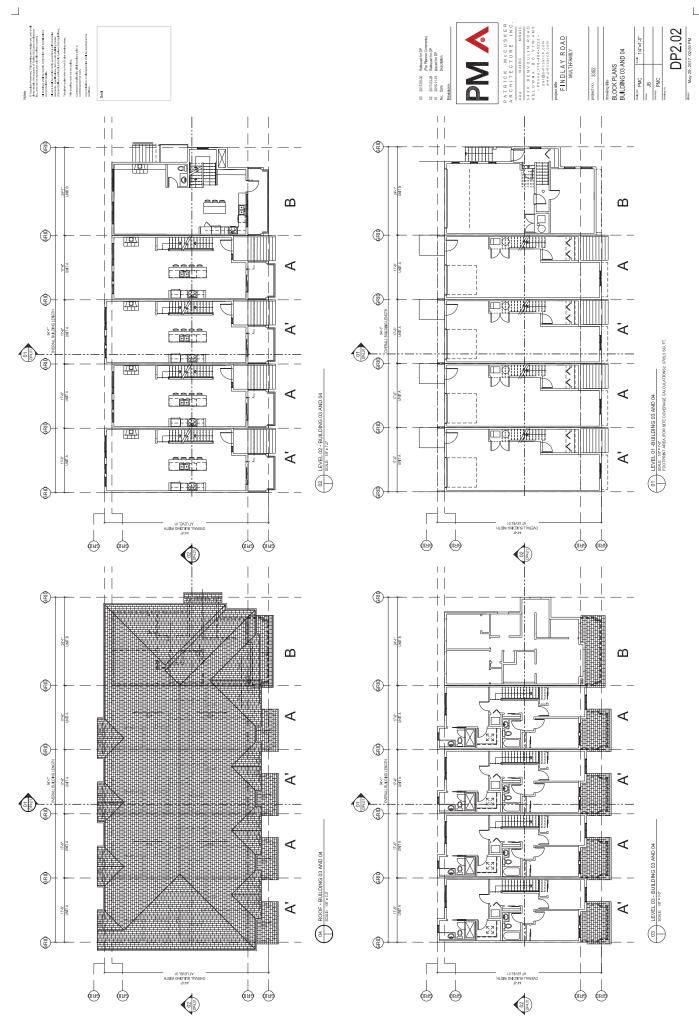


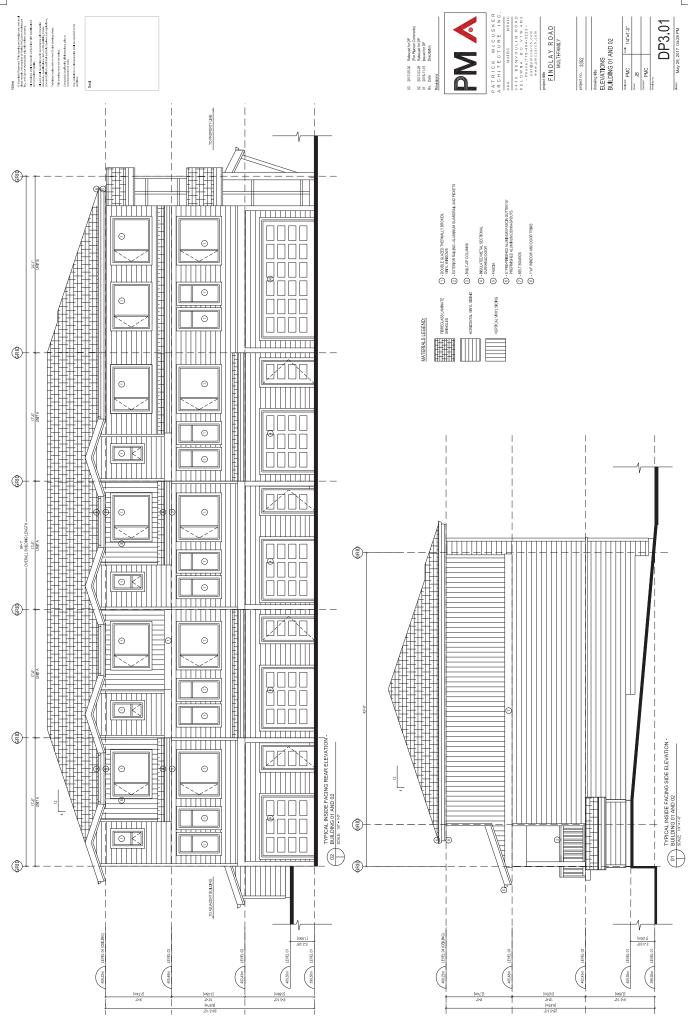
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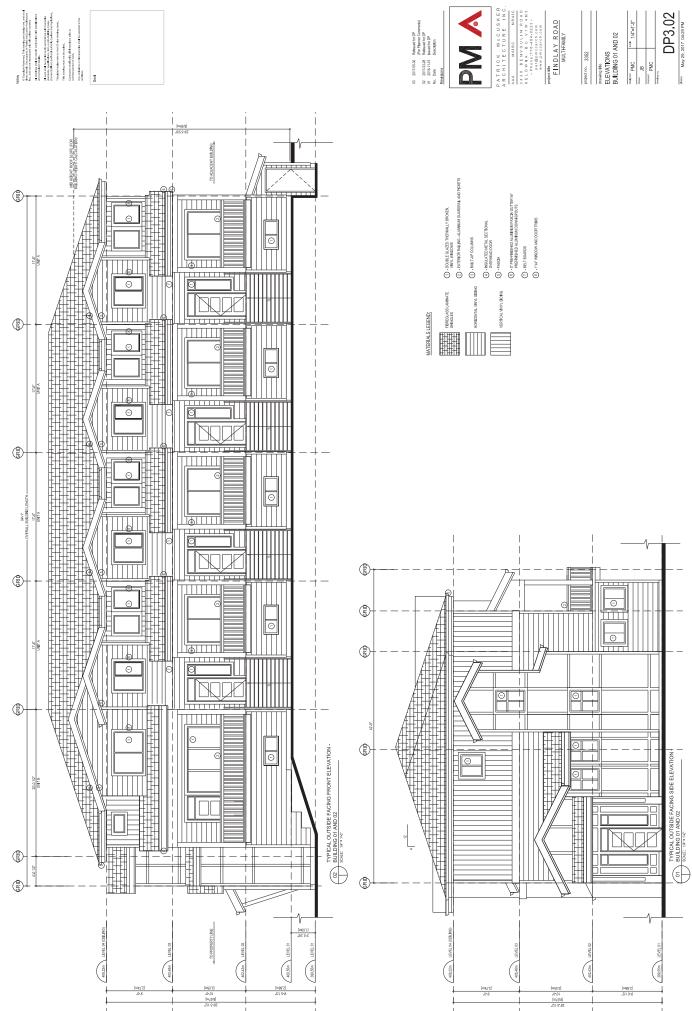
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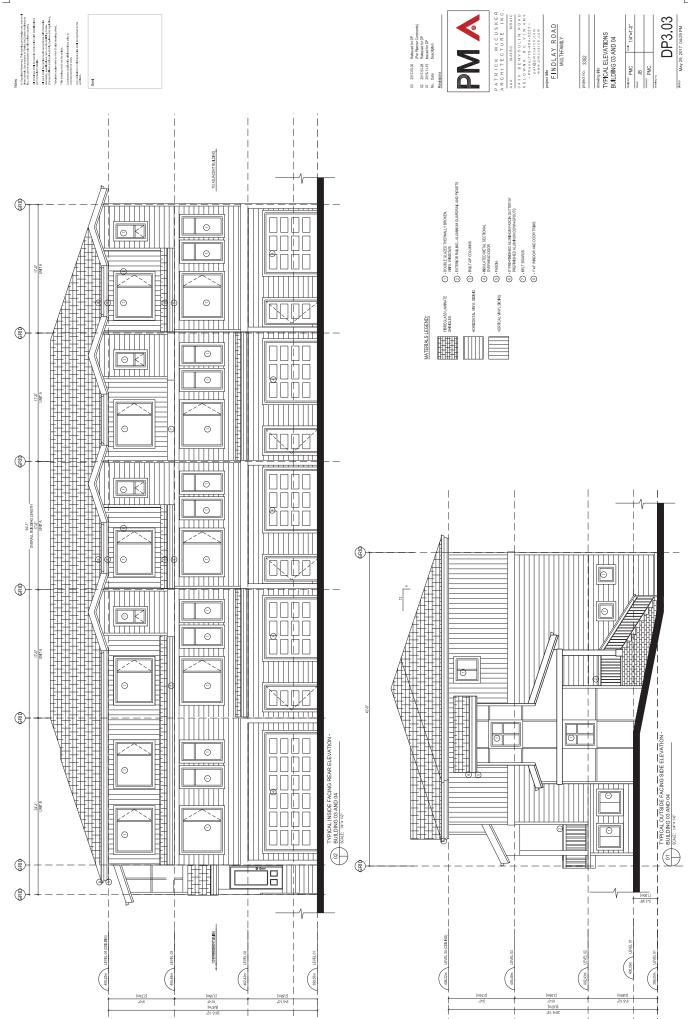


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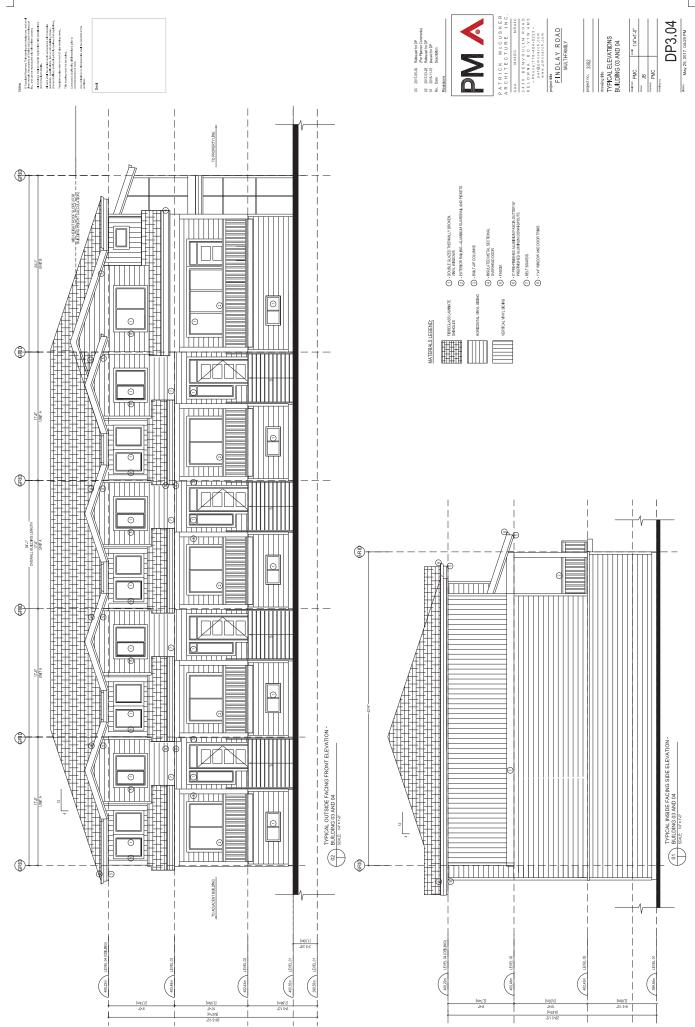
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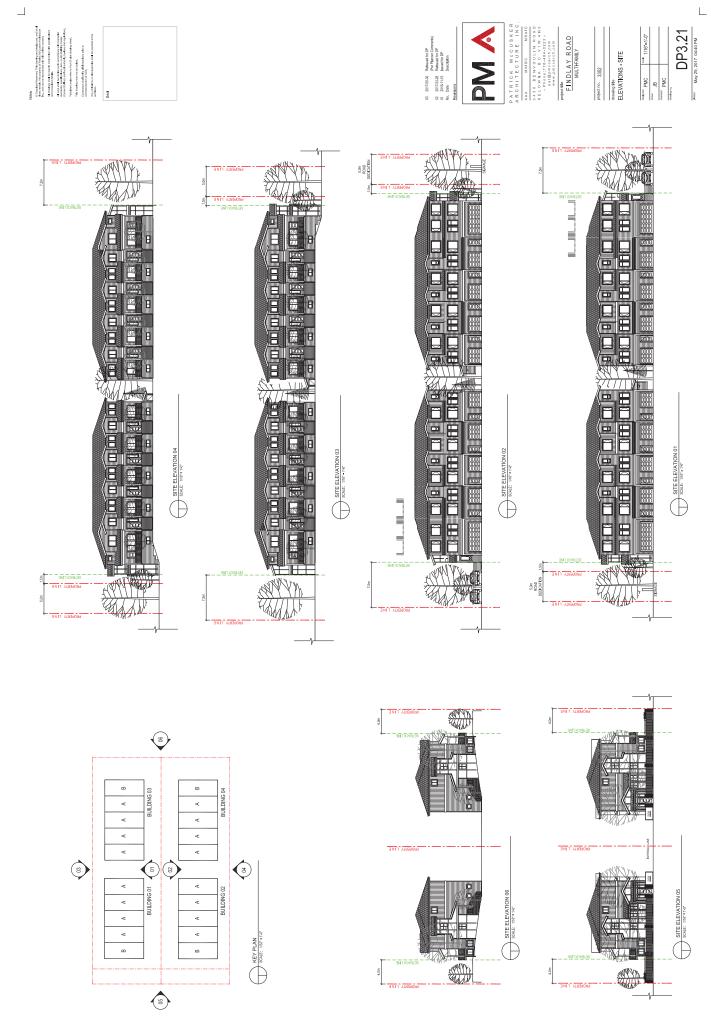
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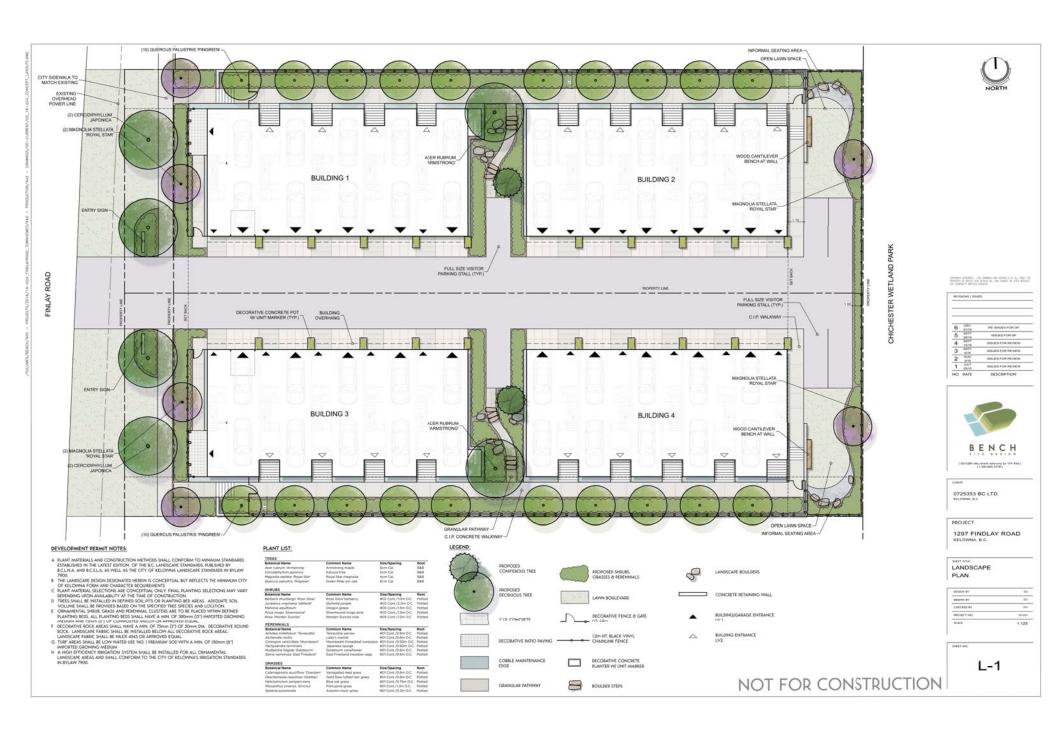
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CITY OF KELOWNA

MEMORANDUM

Date:

January 18, 2017

File No.:

Z16-0083

To:

Urban Planning Management (TB)

From:

Development Engineering Manager (SM)

Subject:

1287 and 1297 Findlay Road

RU1 to RM3

The Development Engineering Department has the following comments and requirements associated with this rezoning application for the properties at 1287 and 1297 Findlay Road to accommodate development of a 20-unit townhome complex. The road and utility upgrading requirements outlined in this report will be requirements of this development.

The Development Engineering Technologist for this project is Jason Ough

1. General

These Development Engineering comments and requirements and are subject to review and or revision for approval by the Ministry of Transportation (MOTI) Infrastructure.

2. Domestic Water and Fire Protection

- a) This development is within the service area of the Black Mountain Irrigation District (BMID). The developer is required to make satisfactory arrangements with the BMID for these items. All charges for service connection and upgrading costs, as well as any costs to decommission existing services are to be paid directly to BMID.
- b) The developer must obtain the necessary permits and have all existing utility services disconnected prior to removing or demolishing the existing structures.

3. Sanitary Sewer

- a) The subject property is currently within the sanitary Sewer Specified Area # 20 and is serviced by the municipal sanitary sewer collection system. The developer will be responsible to cash commute the specified area charges for this development. The charge is currently set at \$ 2,458.33 per Equivalent Dwelling Unit (EDU). The total charge is \$24,583.30 (20 x 0.50 = 10 EDU x \$ 2,458.33).
- b) Our records indicate that this property is 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 per lot 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. Contact Jason Ough (250 469 4519) for service work estimate.

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This forms part of application # Z16-0083 City of Planner Initials TB Kelowna COMMUNITY PLANNING

4. Storm Drainage

- a) The developer must engage a consulting civil engineer to provide a storm water management plan for these sites which meets the requirements of the City Subdivision 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.
- b) The subject development must include the design of a piped drainage system for Findlay Road fronting the subject lots and the lane, including road improvement construction. The cost of the work is included in the road design calculations.

5. Road Improvements

- a) Findlay Road is identified in the 2030 OCP Transportation Servicing Plan as the future Hollywood Road active transportation corridor.
- b) Findlay Road must be upgraded to an urban standard along the full frontage of this proposed development, including curb and gutter, 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. Estimate provided as cash in lieu levy for frontage improvements.

6. Subdivision and Dedication

- a) The developer is required to consolidate the two subject properties.
- b) Dedicate 5m width along the full frontage of Findlay Road to match the property line north of 1297 Findlay Road.
- c) 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. Development Permit and Site Related Issues

- a) Direct the roof drains into on-site rock pits or splash pads.
- b) An MSU standard size vehicle must be able to manoeuvre onto and off the site without requiring a reverse movement onto public roadways. If the development plan intends to accommodate larger vehicles movements should also be illustrated on the site plan.

8. 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.

Z16-0083

This forms part of application
Z16-0083

City of Kelowna

respective electric power, telephone and cable transmission companies to arrange for these services, which would be at the applicant's cost.

9. Bonding and Levy Summary

a) Cash in Lieu: future road improvement project

Storm Drainage	\$ 9,238.00
Roadway Frontage Improvements	\$ 8,970.00
Sidewalk	\$ 5,750.00
Curb and gutter	\$ 4,600.00
Boulevard Landscape	\$ 2,300.00
Street Lighting	\$ 1,553.00
Total frontage improvement Levy:	<u>\$ 32,411.00</u>
Sewer Specified Area # 20 fee:	<u>\$ 24,583.30</u>

10. Geotechnical Report

b)

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 pisometers 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,

Steve Muehz, P. Eng.

Development Engineering Manager