



# City of Richmond

## Report to Committee Planning and Development Division

**To:** Planning Committee  
**From:** Wayne Craig  
Director, Development

**Date:** February 14, 2017

**File:** RZ 15-713048

**Re:** Application by Kaimanson Investments Ltd. for Rezoning at 4300, 4320, 4340 Thompson Road and 4291, 4331, 4431 and 4451 Boundary Road from "Single Detached (RS1/F)" and "Two-Unit Dwellings (RD1)" to "High Density Townhouses (RTH1)"

### Staff Recommendations

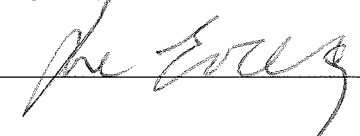
That Richmond Zoning Bylaw 8500, Amendment Bylaw 9681 to:

1. Include the Hamilton Area Plan density bonus and community amenity provisions within the "High Density Townhouses (RTH1)" zone; and
2. Rezone 4300, 4320, 4340 Thompson Road, and 4291, 4331, 4431 and 4451 Boundary Road from "Single Detached (RS1/F)" and "Two-Unit Dwellings (RD1)" to "High Density Townhouses (RTH1)";

be introduced and given first reading.

  
Wayne Craig  
Director, Development

MM:blg  
Att.7

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Parks Services	<input checked="" type="checkbox"/>	
Engineering	<input checked="" type="checkbox"/>	
Affordable Housing	<input checked="" type="checkbox"/>	

## **Staff Report**

### **Origin**

Kaimanson Investments Ltd. has applied to rezone a 1.781 ha. (4.40 acre) site located at 4300, 4320, 4340 Thompson Road and 4291, 4331, 4431 and 4451 Boundary Road from “Single Detached (RS1/F)” and “Two-Unit Dwellings (RD1)” to “High Density Townhouses (RTH1)” (Attachment 1). There is an additional amendment to include the Hamilton Area Plan’s density bonus and community amenity contribution provisions within the “High Density Townhouses (RTH1)” zone. The proposed townhouse development includes 120 units within 24 three-storey buildings (Attachment 2).

### **Findings of Fact**

A Development Application Data Sheet providing details about the development proposal is included in Attachment 3.

### **Surrounding Development**

Development surrounding the subject site is as follows:

- To the North: Single-family properties zoned “Single Detached (RS1/F)” and designated “Neighbourhood Residential (Townhouse 0.75 FAR)” within the Hamilton Area Plan.
- To the South: Single-family properties zoned “Single Detached (RS1/F)” and designated “Neighbourhood Residential (Townhouse 0.75 FAR)” within the Hamilton Area Plan.
- To the East: Boundary Road and Boundary Canal within the City of New Westminster.
- To the West: Thompson Road and Hamilton Highway Park which is zoned “Single Detached (RS1/F)”.

### **Related Policies & Studies**

#### **Official Community Plan / Hamilton Area Plan**

The Official Community Plan (OCP) designates the subject site as “Neighbourhood Residential (NRES)” and the Hamilton Area Plan designates the site as “Neighbourhood Residential (Townhouse 0.75 FAR)” which allows for three-storey, ground-oriented townhouses (Attachment 4). The development’s main east-west driveway will connect to both Boundary Road and Thompson Road to allow for public access via a statutory-right-of-way (SRW) to be registered for the “Shared Street” designated within the Hamilton Area Plan (shown on Site Plan in Attachment 7). There also is a proposed north-south pathway secured through registration of a SRW for public pedestrian access. This pathway will be part of the “Strollway” route designated within the Hamilton Area Plan that will connect Thompson Gate to future developments to the south.

The applicant is also required ensure that the engineering and servicing provisions in the “Construction, Phasing and Interim Design Measures” in Appendix 1 of the Hamilton Area Plan are addressed in the Development Permit and Servicing Agreement. In summary, the development proposal is consistent with the OCP and Hamilton Area Plan.

### **Environmentally Sensitive Area (ESA)**

The development site includes approximately 1.2 ha. (2.96 acres) of ESA which is part of a larger contiguous 1.87 (4.62 acre) ESA that extends south of the development site (Attachment 5). The applicant’s Qualified Environmental Professional (QEP) has completed an assessment of the habitat value of the ESA and made recommendations for habitat compensation in accordance with the OCP ESA Development Permit Guidelines. A Development Permit will be required to be considered by the Development Permit Panel prior to consideration of adoption of the zoning bylaw amendment. In summary, the QEP report concludes that:

- 35% of the ESA is non-contiguous “upland forest” with the majority of the trees (Cottonwood and Alder) nearing their end of life and being subject to blow down.
- 65% of the ESA encompasses “old field habitat” which evolved after residential development of the area in the 1960’s. Most of the existing small plants consist of invasive species (mainly introduced Red Canary grass) characteristic of overgrown rural lots.

Due to the relatively low habitat value of the ESA and the site grading requirements, the QEP recommended off-site habitat compensation. This compensation included a total of 100 native trees and shrubs to be planted within a small 320 m<sup>2</sup> (0.08 acre) area of Hamilton Highway Park.

In consultation with City Parks and Environmental Sustainability staff, off-site compensation habitat was pursued to improve the natural character of the adjacent Hamilton Area Park as part of the City’s *Ecological Network*. The ESA habitat compensation area includes:

- A total area of 6,300 m<sup>2</sup> (1.6 acres) of the currently open grass field is proposed to be replanted with trees in groves averaging 15.0 m (48 ft.) in width along the west side of Hamilton Highway Park adjacent to Highway 91, as well as smaller groves of trees along Thompson Road. These areas will be planted with native vegetation with a minimum of 1,188 trees and 6,475 shrubs/groundcover plants.
- Removal of the areas of invasive species (e.g. blackberries, broom and horsetail) from the southern 2.2 ha. (5.45 acres) of the park to encourage the successful establishment of the proposed native trees and under-storey plants in this portion of the park.

The proposed habitat compensation area will be of a higher habitat value than the existing ESA area within the development site.

In summary, the proposed ESA compensation areas will provide for well-developed, wind-firm, native forested areas that support the City’s *Ecological Network* goal of improving habitat in City parks and creating a public amenity.

In addition to the off-site habitat compensation, the development will include following native vegetation:

- Six (6) existing coniferous trees will be protected as described in the Tree Retention section below.
- There will be a minimum area of 1,100 m<sup>2</sup> (0.27 acres) fully planted with native shrubs and trees included within the landscape plans required within the Development Permit; the areas include the north amenity area, on either side of the east-west and north-south Strollways, and along the Boundary Road frontage of development.

Should the rezoning application proceed, the applicant will be required to complete the landscape plan for the habitat compensation in Hamilton Highway Park for the Servicing Agreement. The QEP will also prepare a follow-up report required for the ESA Development Permit on the landscape plans which include the finalized landscape restoration, native planting and invasive species removal specifications, and also include a monitoring and maintenance plan for the ESA compensation area.

### **Floodplain Management Implementation Strategy**

The proposed redevelopment must meet the requirements of the Richmond Flood Plain Designation and Protection Bylaw 8204. Registration of a flood indemnity covenant on Title is required prior to final adoption of the rezoning bylaw.

### **Public Consultation**

A rezoning sign has been installed on the subject property. Staff have received several inquiries from the public about the rezoning application in response to the placement of the rezoning sign on the property. These inquiries did not include concerns regarding the development itself and were related to development process for the subject development and adjacent properties should they be developed.

Should the Planning Committee endorse this application and Council grant 1<sup>st</sup> Reading to the rezoning bylaw, the bylaw will be forwarded to a Public Hearing, where any area resident or interested party will have an opportunity to comment.

Public notification for the Public Hearing will be provided as per the *Local Government Act*.

Approval from the Ministry of Transportation and Infrastructure will be required prior to Council consideration of adoption of the zoning amendment bylaw.

### **Analysis**

#### **Built Form and Architectural Character**

The proposed development includes 120 townhouse units and an amenity building (Attachment 2). The proposed development includes the following elements:

- There are 24 buildings comprised of seven (7) different modern buildings types designed and shaped to provide architectural variation and allow for tree protection.

- Units will have an average floor area of approximately of 111 m<sup>2</sup> (1,194 ft<sup>2</sup>).
- The typical building height is three (3) storeys with a maximum of building height of 11.65 m (38 ft.), consistent with the RTH1 zone.
- The two (2) main east-west driveways and one main east-west pathway include gentle curves to provide visual interest. The southern driveway is designated as a “Shared Street” under the Hamilton Area Plan and the pathway provides public pedestrian access between Thompson and Boundary Roads.
- There are also three (3) north-south driveways which connect the two (2) main east-west driveways. There is also a north-south pathway linking the outdoor amenity areas designated as a “Strollway” within the Hamilton Area Plan to provide additional public access to future developments to the north and south.
- The proposed project has 4.5 m (14.8 ft.) side yard setbacks to the adjacent single-family residential areas to the north and south of the development site.
- Setbacks to Boundary Road will be 5.0 m (16.5 ft.) and setbacks to Thompson Road will be 4.5 (15.0 ft.).
- There will be wide central, garden mews of 11 m (38.5 ft.) to 15 m (48. ft.) in width, with common pathways, located between the central rows of townhouse buildings.
- There will be 62 units with side-by-side double garages and 58 units with tandem double garages providing for more unit choice and variation in building forms.

At Development Permit stage, design elements to be addressed include:

- Adding further small-scale articulation and architectural detailing of the townhouse buildings, particularly those facing onto the public realm.
- Adding way-finding signage and lighting for the pathways and driveways.

### **Existing Legal Encumbrances**

There is an existing City covenant (LTO No. BG386398) registered on the Title of 4311 Boundary Road, which restricts use of the lot to a two-dwelling building (duplex). This covenant will be required to be discharged prior to adoption of Bylaw 9681.

### **Transportation and Site Access**

#### *Vehicle and Pedestrian Access*

As noted above, vehicle and pedestrian access will be provided by the proposed main east-west driveway which will connect to both Boundary Road and Thompson Road. This driveway will also provide mainly for public vehicle access via a statutory-right-of-way (SRW) to be registered on Title to secure it as a “Shared Street” as required within the Hamilton Area Plan. There will be an east-west central “Strollway” within a SRW to be registered on Title that provides the main public pedestrian connection between Thompson and Boundary Roads. There also is a requirement to provide a north-south pedestrian pathway within a SRW to be registered on Title that provides for a public pedestrian access as part of a “Strollway” within the Hamilton Area Plan. This north-west “Strollway” will connect Thompson Gate in the north to future

developments to the south. The developer and owner will be responsible for liability, construction and maintenance of the Shared Street, north-south Strollway and east-west Strollway.

### *Parking*

The subject development complies with the parking requirements within Zoning Bylaw 8500. There are a total of 240 resident parking spaces within double garages within each of the 120 townhouse units and 24 surface visitor parking spaces. Of the resident spaces, 116 spaces (48.3%) are in 58 tandem garages and 124 spaces are within 62 side-by-side garages.

The applicant will register an electric vehicle parking covenant on Title requiring that 100% of resident parking spaces will be equipped with 120V electric plug-ins for electric vehicle charging equipment.

### **LEED / Energy Efficiency and Renewable Energy Development**

As required by the Hamilton Area Plan, the developer has agreed to ensure that the project has been designed to achieve a Canadian Green Building Council LEED Silver rating. This will require review from a LEED certified consultant which confirms that buildings have been designed at Development Permit and constructed at Building Permit to achieve the required LEED certification or equivalent.

The LEED Silver assessment will include a review of the City-wide townhouse energy efficiency requirements. These requirements include registration of a legal agreement on Title, identifying that the proposed development will be designed and constructed to meet or exceed EnerGuide 82 criteria for energy efficiency and that all dwelling units will be pre-ducted for solar hot water heating, is required before zoning amendment bylaw adoption.

### **Tree Retention and Replacement**

The applicant has submitted a certified Arborist's Report and tree survey (Attachment 6) which identifies on-site and off-site tree species, assesses tree structure and condition, and provides recommendations on tree retention and removal relative to the proposed development. The Report assesses:

- 78 trees located on the development site to be removed and replaced.
- 11 trees located on adjacent neighbouring properties are identified to be retained and protected and to be provided tree protection as per City of Richmond Tree Protection Information Bulletin Tree-03.

The City's Tree Preservation Coordinator has reviewed the Arborist's Report and supports the arborist's findings with the following comments:

- Six (6) trees (labelled with tag nos. 5, 61, 63, 65, 66 and 67) are located on the development site are proposed to be retained and protected. The applicant will provide a \$60,000 tree survival security for these trees.
- A total of 156 replacement trees are required at a 2:1 ratio for the 78 trees to be removed. Tree species and sizes are to be confirmed and included within the Development Permit landscape plans.

*Tree Replacement*

The applicant wishes to remove 78 on-site trees. The 2:1 replacement ratio would require a total of 156 replacement trees. The preliminary landscape plans include 165 trees on the development site. The off-site landscape plans for the ESA compensation area in Hamilton Highway Park also include 1,188 trees native tree species within the Servicing Agreement park landscape plans to be finalized as a condition of ESA Development Permit issuance.

**Hamilton Area Plan Amenity Contributions**

This Hamilton Area Plan requires amenity contributions of \$70.50 per square meter (\$6.55 per square foot) for townhouse developments. Based on the proposed development design, the developer will provide \$939,139 to be contributed to the City's Hamilton Area Plan Amenity Reserve Fund (with the final amount to be confirmed on the total residential floor area shown on the Development Permit plans).

**Affordable Housing Strategy**

The City's Affordable Housing Strategy is applicable to this development which requires a contribution of \$4.00 per buildable square foot or \$573,520 to the City's Affordable Housing Fund.

**Public Art Program**

The City's Public Art Program is applicable to this application. The applicant has agreed to make a voluntary contribution of \$0.79 per buildable square foot or \$113,270 to the City's Public Art Program.

**Amenity Space**

The proposed project will include a 100 m<sup>2</sup> (1,076 ft<sup>2</sup>) common indoor amenity building located within main outdoor amenity space near the centre of the development site. There will also be 738 m<sup>2</sup> (7,944 ft<sup>2</sup>) of common outdoor amenity area located largely in two (2) outdoor amenity areas located near the centre and on the north side of the development site. The proposed amenity areas are consistent with the requirements of the OCP.

Main features of the central amenity area include:

- Large play area with play equipment and climbing rocks.
- Community BBQ.
- Large open air seating areas.
- Walking pathways.
- Garden planters.

The north amenity area includes three (3) retained trees and the north-south "Strollway", along with park benches.

## **Site Servicing and Frontage Improvements**

The applicant will be undertaking a range of works under a Servicing Agreement for the development as provided in the Rezoning Considerations (Attachment 7), including but not limited to the following elements.

### *Boundary Road Improvements*

Road dedication along the site's entire road frontage to accommodate pavement widening, a 3.0 m (9.8 ft.) wide concrete multi-use pathway, boulevard with grass and street trees, and installation of street lights. The entire surface of Boundary Road will also be replaced and there will be an interim sidewalk built from the development's north property line to the intersection of the Thompson Gate and Boundary Road. The applicant will also upgrade the existing two-way stop at the Boundary Road and Thompson Gate intersection to a four-way stop configuration with marked pedestrian crosswalks.

### *Thompson Road Improvements*

Road dedication taken from the property's entire road frontage will accommodate pavement widening, a concrete sidewalk, boulevard with grass and street trees, and installation of street lights. The entire surface of the road will also be replaced.

### *Water Servicing*

The applicant is required to upgrade the existing 150 mm diameter watermain along the Boundary Road and Thompson Road frontages northward to Thompson Gate. The applicant will also make a voluntary contribution of \$99,500 for the City's construction of a Pressure Reducing Valve (PRV) station. The PRV will be built by the City within a 13 m (42.7 ft.) by 14 m (45.9 ft.) SRW to be registered on Title on the northwest corner of the site.

### *Storm Sewer Works*

The applicant will install a storm main connection to Boundary Canal and make a voluntary contribution of a \$91,500 for the Boundary Road pump station upgrade being built by the City of New Westminster or alternative storm sewer works to be built by the City of Richmond.

### *Sanitary Sewer Works*

The applicant will install a new sanitary service connection on the Thompson Road frontage.

## **Financial Impact or Economic Impact**

As a result of the proposed development, the City will take ownership of developer contributed assets; such as roadworks, waterworks, storm sewers, sanitary sewers, street lights, street trees and traffic signals. The anticipated operating budget impact for the ongoing maintenance of these assets is \$30,000. This will be considered as part of the 2018 Operating budget.



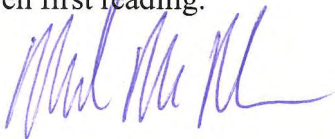
## Conclusion

The proposed 120-unit townhouse development is the first townhouse rezoning application to be considered under the Hamilton Area Plan and the first new development east of Highway 91.

The development will provide a multi-use pathway on its Boundary Road frontage with pedestrian improvements to the Boundary Road/Thompson Gate intersection and the first leg of a public "Strollway" located between Thompson Road and Boundary Road.

This development will also provide major improvements to Hamilton Highway Park; with the planting of over 7,000 native trees and shrubs to create forested groves totalling over 0.65 ha. (1.6 acres), contributing to the City's *Ecological Network*.

Thus, it is recommended that Zoning Bylaw 8500, Amendment Bylaw 9681, be introduced and given first reading.



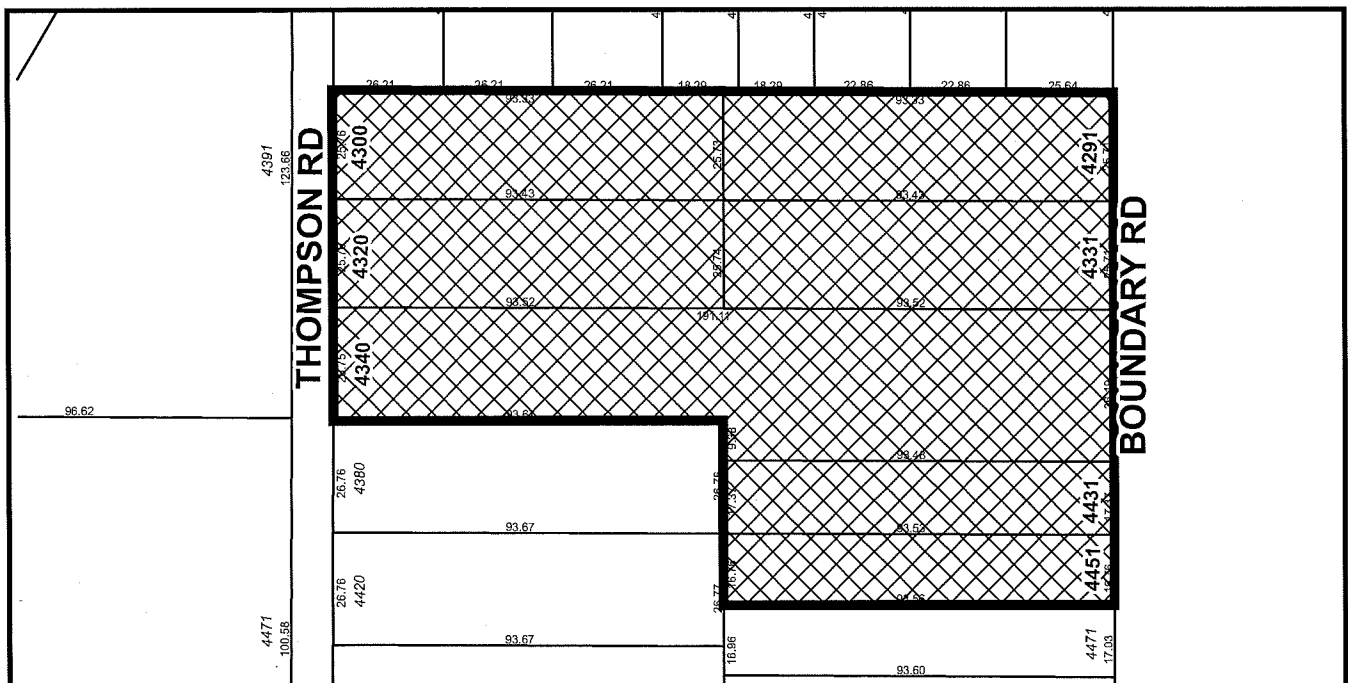
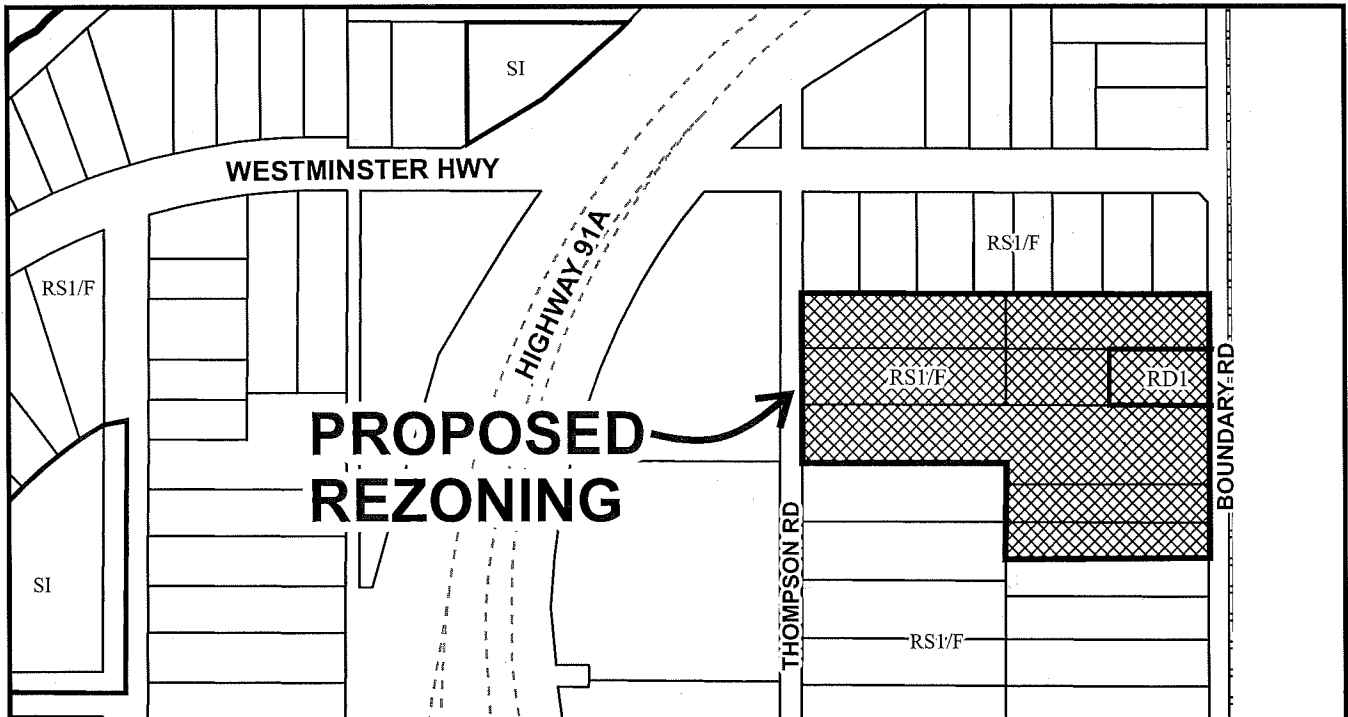
Mark McMullen  
Senior Coordinator - Major Projects  
(604-276-4173)

MM:blg

- Attachment 1: Location Map
- Attachment 2: Conceptual Development Plans
- Attachment 3: Development Application Data Sheet
- Attachment 4: Hamilton Area Plan Land Use Map
- Attachment 5: Environmentally Sensitive Area Report and Map Excerpts
- Attachment 6: Tree Survey
- Attachment 7: Rezoning Considerations



City of  
Richmond



RZ 15-713048

Original Date: 01/05/16

Revision Date: 02/06/17

Note: Dimensions are in METRES



City of  
Richmond



RZ 15-713048

Original Date: 01/07/16

Revision Date:

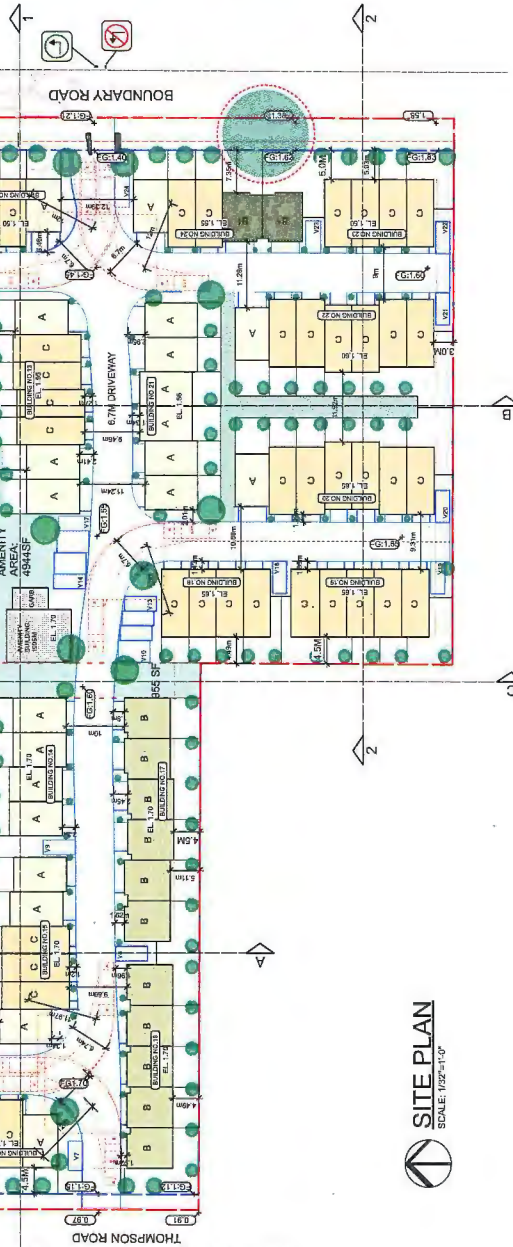
Note: Dimensions are in METRES

PLN - 180





**CONTEXT PLAN**  
SCALE: N.T.S.



**SITE PLAN**  
SCALE: 1/32"=1'-0"

**PLN - 181**

**STATISTICS:**  
CIVIC ADDRESS: 4300, 4320, 4340 THOMPSON ROAD  
4291 - 4451 BOUNDARY ROAD  
CD  
ZONING (PROPOSED):  
SITE AREA: 201,105 SQ. FT. GROSS  
191,775 SQ. FT. NET  
FLOOR AREA PROPOSED:  
143,390 SQ. FT. (0.75 FAR)  
= 120 UNITS @ 1194 SQ. FT. AVE  
76,719 SQ. FT. (40%)  
SITE COVERAGE (PROPOSED):  
120 UNITS X 2 = 240 SPACES  
(116 UNDECK, 124 SIDE-BY-SIDE)  
RESIDENT PARKING PROVIDED:  
VISITOR PARKING REQUIRED:  
VISITOR PARKING PROVIDED:  
120 UNITS X 0.2 = 24  
24 SPACES  
AMENITY AREA:  
150 SQ. M. (1076 SQ. FT.)  
COMMON INDOOR (PROVIDED):  
PRIVATE OUTDOOR (RESERVED):  
PRIVATE OUTDOOR (PROVIDED):  
150 UNITS X 8.8M. = 1320M (7750 SQ. FT.)  
720 SQ. M. (7944 SQ. FT.)

1	FEB. 3, 2017	REV. 1	REV. 1
2	APRIL 10, 2017	REV. 2	REV. 2
3	JUNE 11, 2017	REV. 3	REV. 3
REV.	DATE	REV.	DATE

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**YAMAMOTO ARCHITECTURE**  
304 - 38 East 4th Avenue  
Vancouver, BC V5T 1S5  
T: 604.731.1137 F: 604.731.1247

PROJECT: 120 UNIT TOWNHOUSE DEVELOPMENT  
BOUNDARY ROAD  
RICHMOND, B.C.

ISSUED FOR: SITE PLAN  
SCALE: 1/32"=1'-0"  
DATE: JUNE 24, 2016  
DRAWN: RP  
CHECKED: RP

ATTACHMENT 2







# CONTEXT PLAN

SCALE: N.T.S.

**STATISTICS:**  
CIVIC ADDRESS: 4300, 4320, 4340 THOMPSON ROAD  
4381 - 4461 BOUNDARY ROAD  
CD  
201,105 SQ. FT. GROSS  
19,173 SQ. FT. NET  
FLOOR AREA PROPOSED:  
143,300 SQ. FT. (0.78 FAN)  
= 120 UNITS @ 1195 SQ. FT. AVE  
76,710 SQ. FT. (40%)  
SITE COVERAGE PROPOSED:  
120 UNITS X 2 = 240 SPACES  
(115 UNDER, 124 SIDE-61 SIDE)  
120 UNITS X 0.2 = 24  
24 SPACES  
RESIDENT PARKING PROVIDED:  
VISITOR PARKING REQUIRED:  
VISITOR PARKING PROVIDED:  
AMENITY AREA:  
COMMON INDOOR (REQUIRED):  
COMMON INDOOR (PROVIDED):  
PRIVATE INDOOR (REQUIRED):  
PRIVATE INDOOR (PROVIDED):

**YANAMOTO  
ARCHITECTURE**

301 - 32 East 8th Avenue  
Richmond, BC V6X 1A1  
T: 604.731.1127 F: 604.731.1387

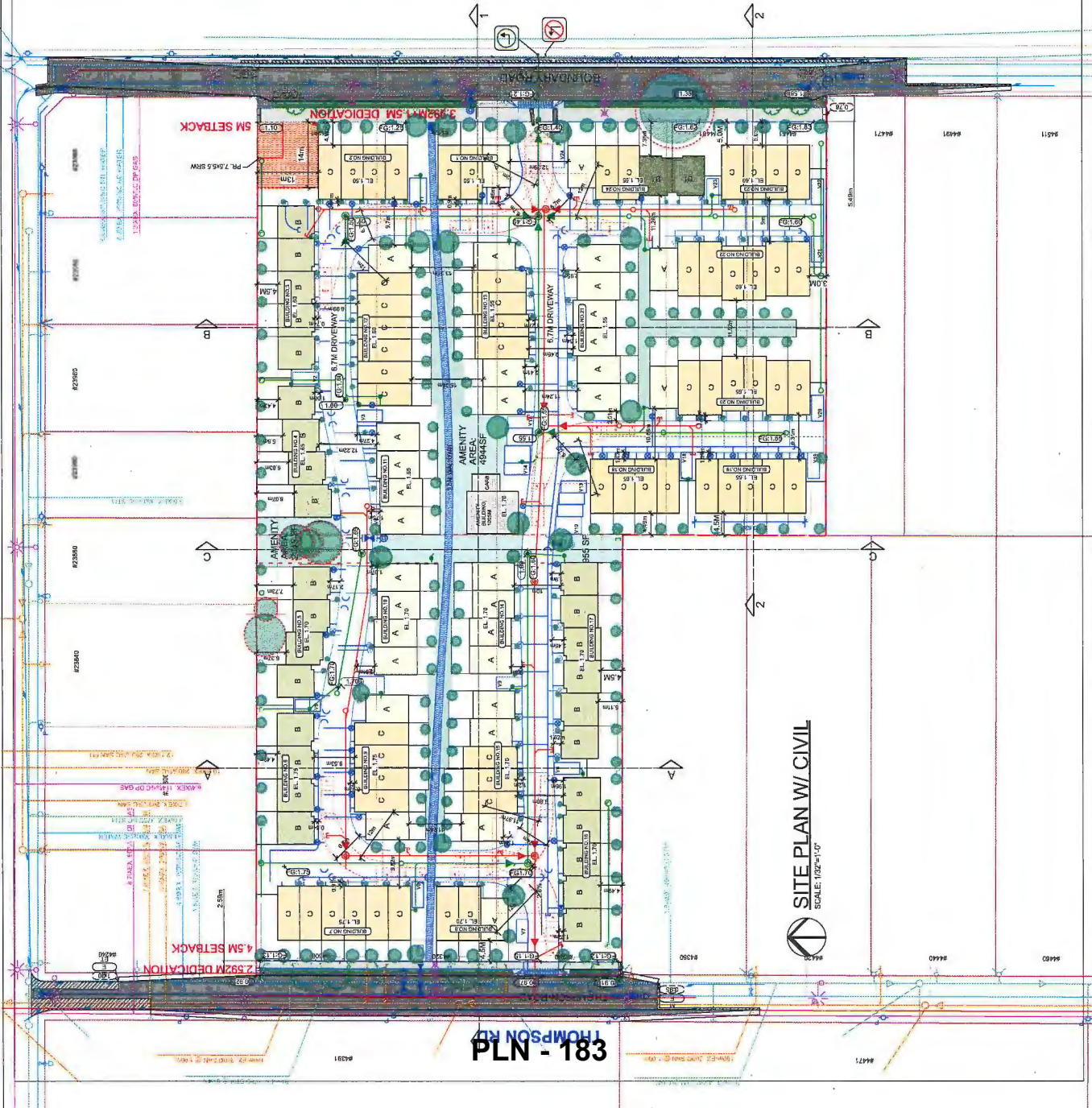
120 UNIT TOWNHOUSE DEVELOPMENT

BOUNDARY ROAD  
RICHMOND, B.C.

SITE PLAN W/ CIVIL

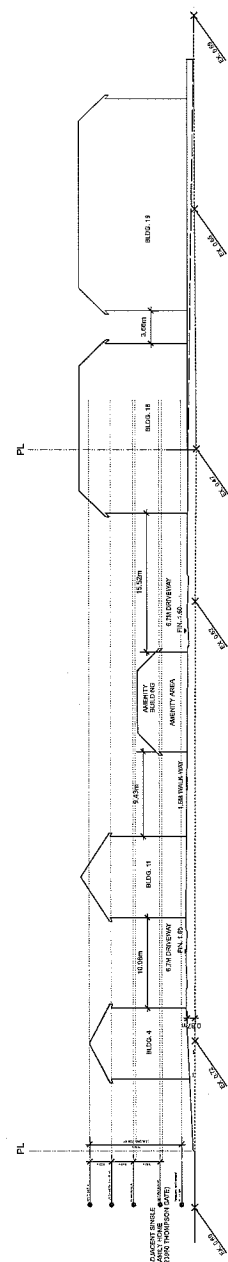
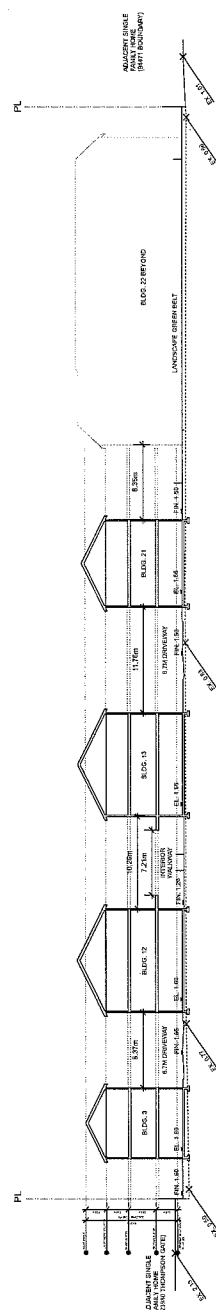
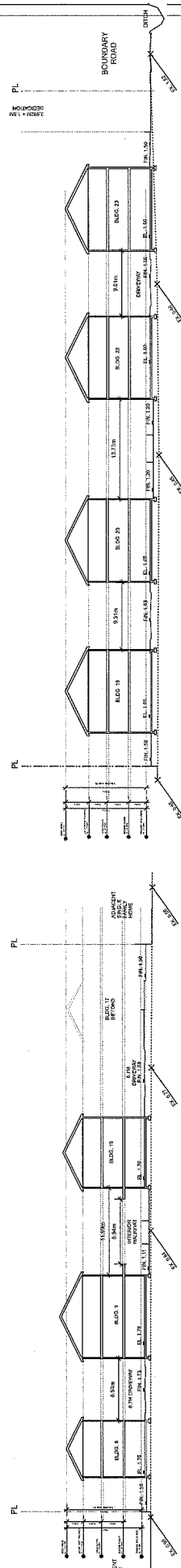
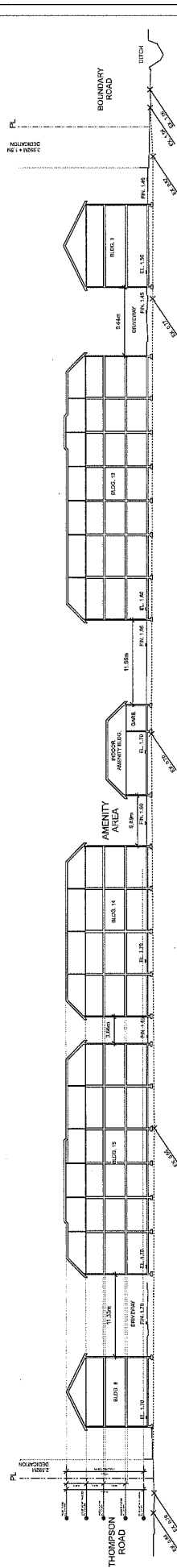
DATE: JUNE 24, 2019  
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CHECKED: GP  
PROJECT: 1830

**A1.2**



**SITE PLAN W/ CIVIL**  
SCALE: 1/32"=1'-0"

**THOMPSON RD**  
**PLN - 183**

[illegible]





BOUNDARY RD. STREETSCAPE

SCALE: 1/8"=1'-0"

PLN - 185



BOUNDARY RD. STREETSCAPE CONT'D

SCALE: 1/8"=1'-0"

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YAMAMOTO  
ARCHITECTURE

200-20 E. 1st St. Suite 100  
Tulsa, Oklahoma 74103  
T: 405.731.1127 F: 405.731.1327

120 UNIT TOWNHOUSE DEVELOPMENT

BOUNDARY ROAD  
TULSA, OKLAHOMA

ELEVATIONS

DATE: 1/18/2017  
BY: J.A.V. 18.107  
SHEET: 12

120 UNIT TOWNHOUSE DEVELOPMENT



THOMPSON RD. STREETSCAPE

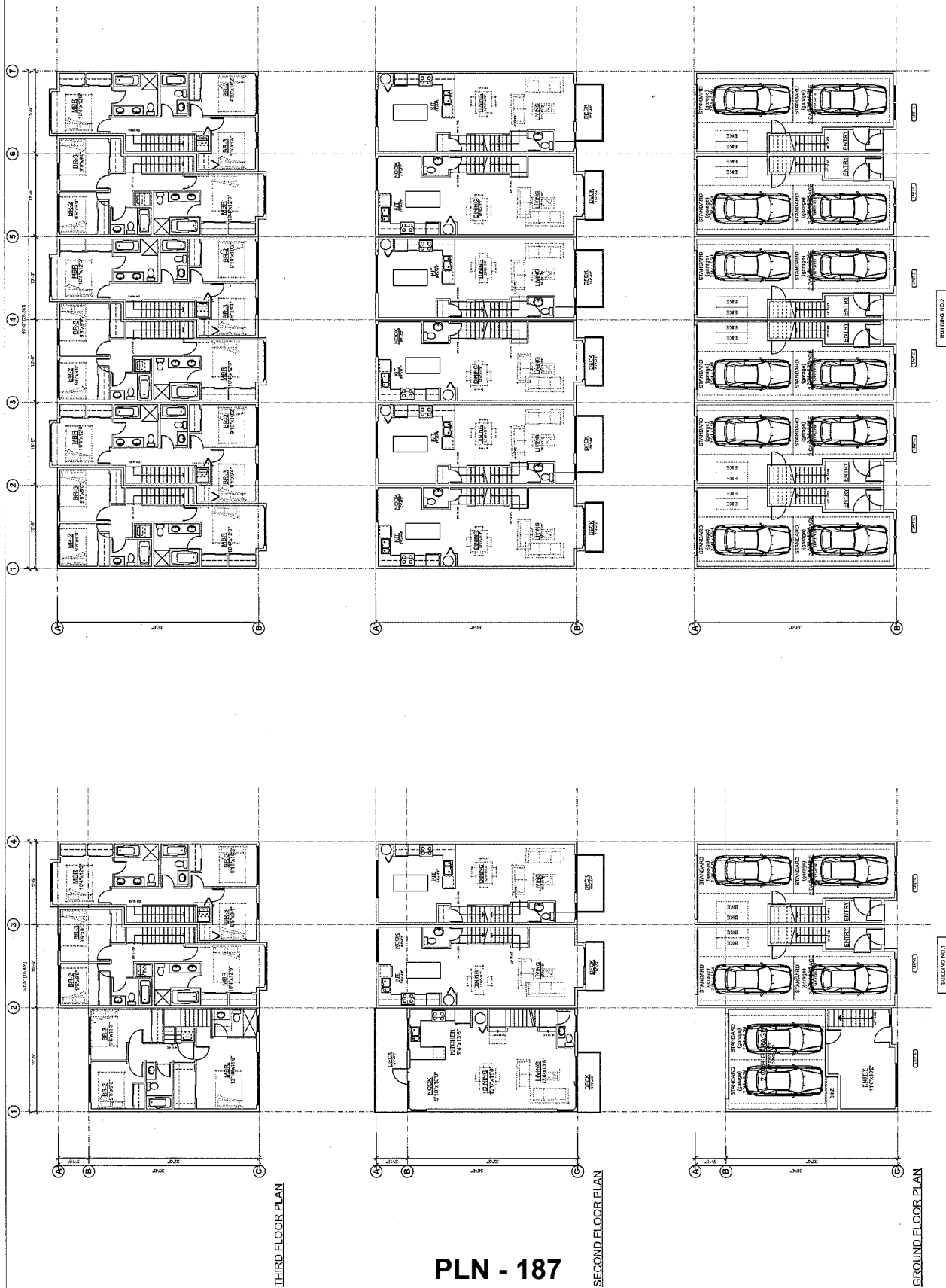
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## PRECEDENT IMAGES

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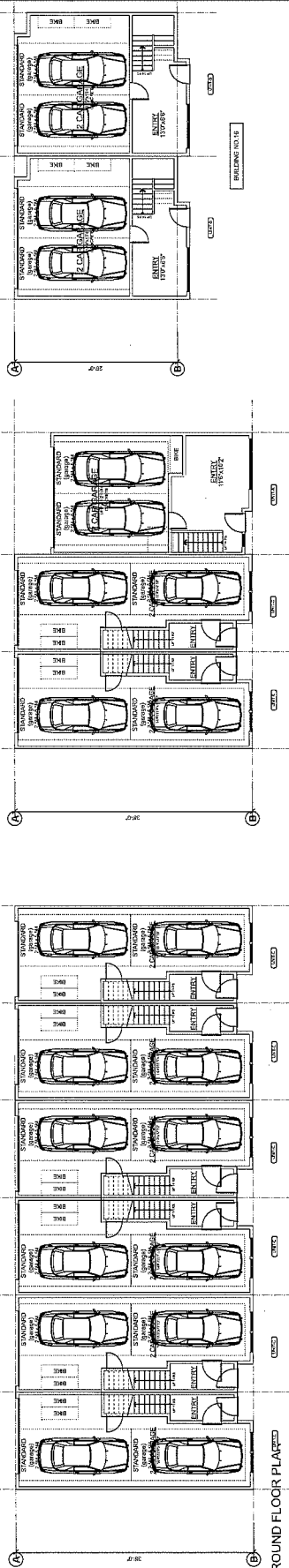
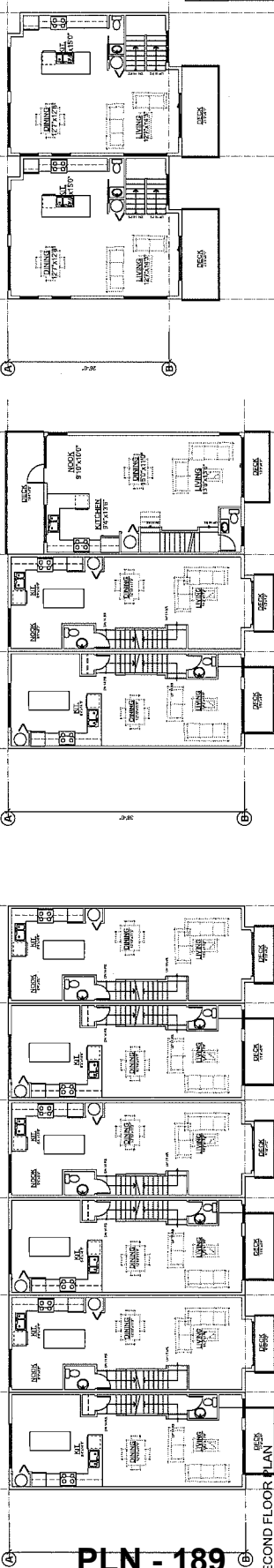
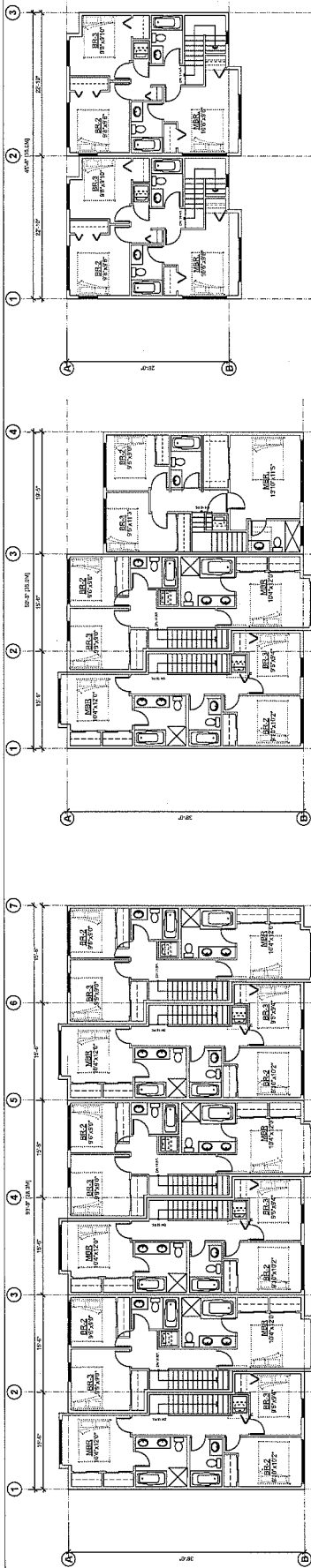
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1	JAN. 10, 2017	REV. 3	REVISIONS
NO.	DATE	REV.	DESCRIPTION

YAMAMOTO ARCHITECTURE  
 2020 - 28 E. 1st Ave. Suite 100  
 Vancouver, BC V6T 1S5  
 T: 604.731.1127 F: 604.731.1327

PROJECT: 120 UNIT TOWNHOUSE DEVELOPMENT  
 120 UNIT TOWNHOUSE DEVELOPMENT  
 120 UNIT TOWNHOUSE DEVELOPMENT  
 120 UNIT TOWNHOUSE DEVELOPMENT

DRAWING TITLE: FLOORPLANS  
 SCALE: 1/8"=1'-0"  
 SHEET NO.: A5.1  
 DATE: JAN. 15, 2017  
 DRAWN: YP  
 CHECKED: YP  
 PROJECT NO.: 1200





PLN - 189

THOMPSON RD. FLOORPLANS  
SCALE: 1/8"=1'-0"

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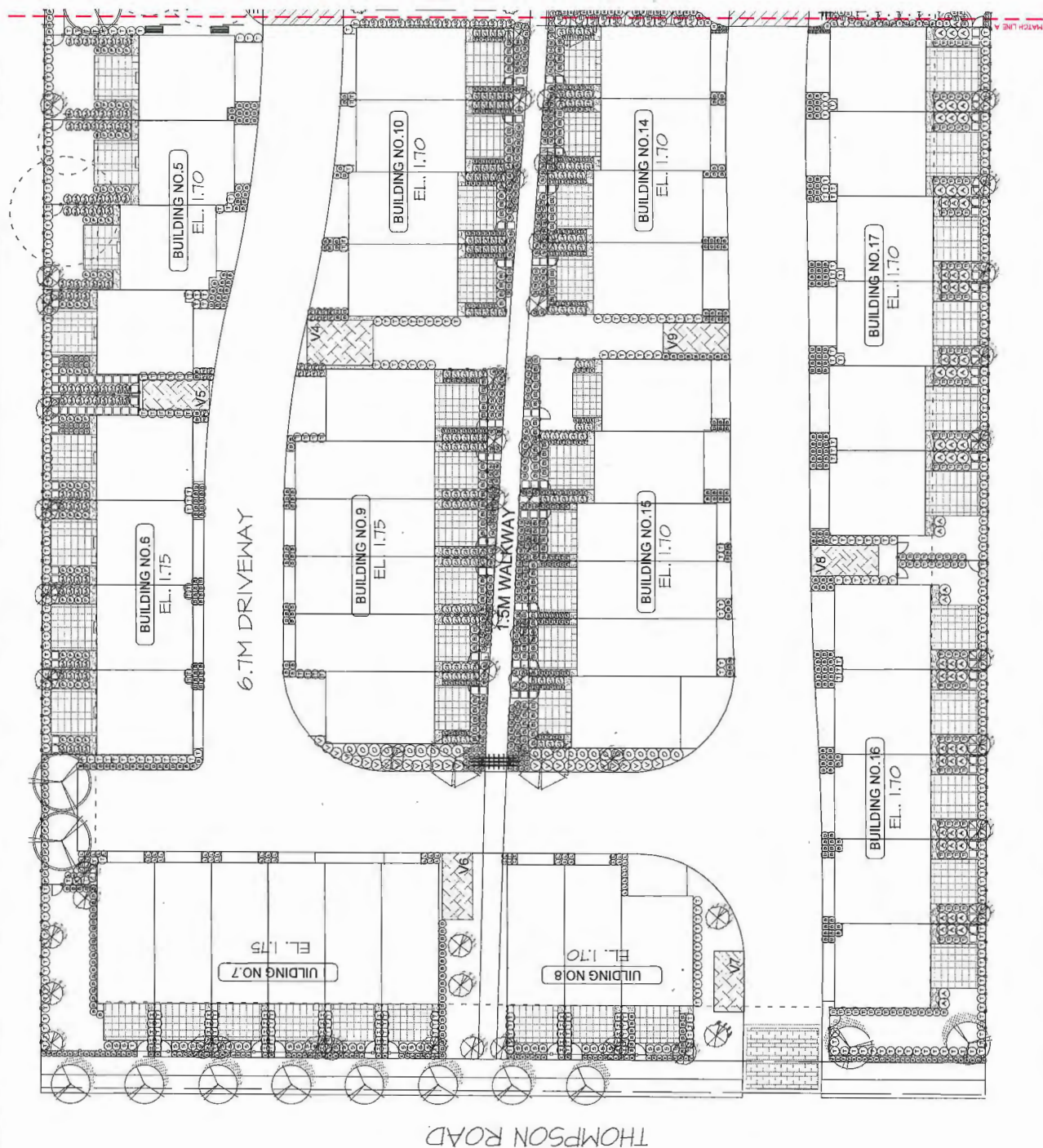
YANAMOTO ARCHITECTURE  
 302 - 30 E. 10th Avenue  
 Vancouver, BC V6T 1R6  
 T: 604.731.1127 F: 604.731.1327

PROJECT: 120 UNIT TOWNHOUSE DEVELOPMENT  
 120 UNIT TOWNHOUSE DEVELOPMENT  
 120 UNIT TOWNHOUSE DEVELOPMENT  
 120 UNIT TOWNHOUSE DEVELOPMENT

DRAWN BY: YANAMOTO  
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 SHEET NO.: A5.3  
 DATE: JAN. 17, 2017  
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1044-1470





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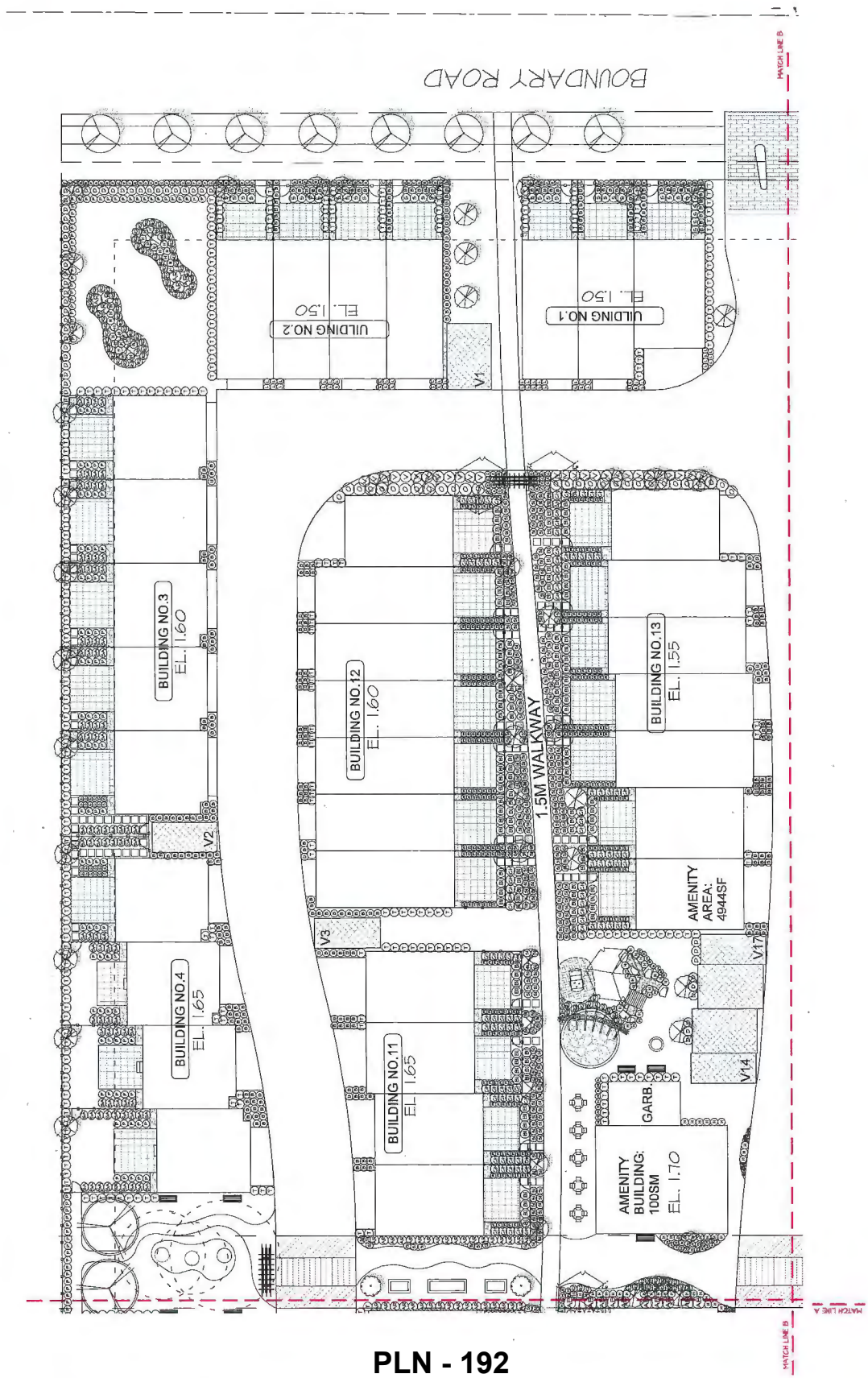
**LANDSCAPE ARCHITECTURE**  
#230 - 261 Lorne Mews  
New Westminster, British Columbia  
V3M 3L7  
Tel: 604-553-0044  
Fax: 604-553-0045  
Email: office@m2la.com

NO.	REVISION	DATE	DESCRIPTION	BY	CHK.
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PROJECT:  
**120 UNIT TOWNHOUSE DEVELOPMENT**  
4291-4331 BOUNDARY ROAD &  
4300-4340 THOMPSON ROAD,  
RICHMOND, B.C.

DRAWING TITLE:  
**SHRUB PLAN EAST**

DATE:	JAN 2018
SCALE:	1:250
DRAWN:	RYT
DESIGN:	RYT
CHECK:	RYT
DATE:	JAN 2018
PROJECT NUMBER:	1P-044



PLN - 192



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**LANDSCAPE ARCHITECTURE**  
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Tel: 604.553.0044  
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Email: office@m2la.com

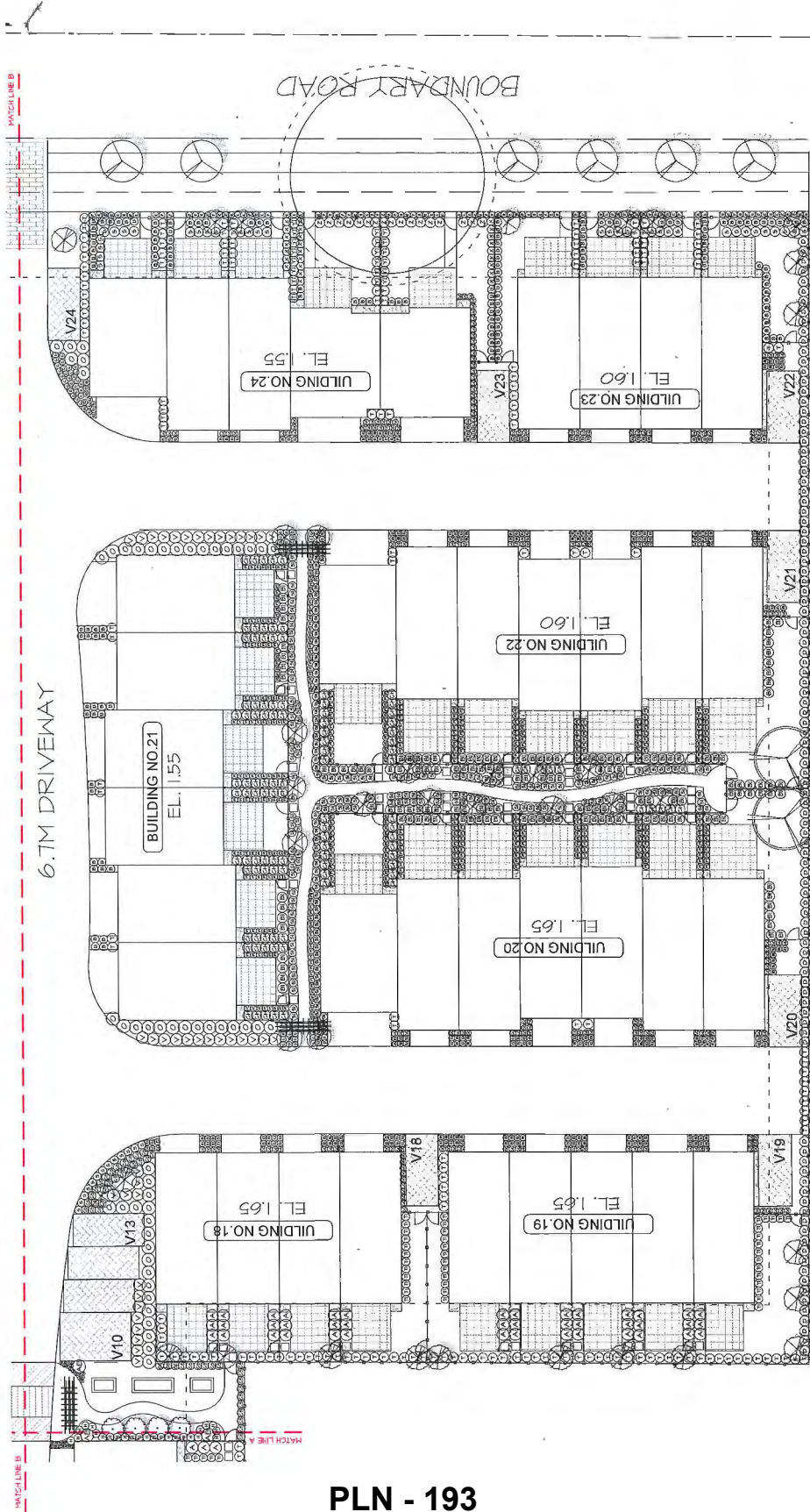
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**PROJECT:**  
120 UNIT TOWNHOUSE  
DEVELOPMENT  
4291-4331 BOUNDARY ROAD &  
4310-4340 THOMPSON ROAD,  
RICHMOND, B.C.

**DRAWING TITLE:**  
SHRUB PLAN  
SOUTH

DATE:	JAN 2014
SCALE:	1/8" = 1'-0"
DRAWN:	PM
CHECKED:	PM
DATE:	JAN 2014

19-044



PLN - 193



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V3M 3L7  
Tel: 604.553.0044  
Fax: 604.553.0045  
Email: info@m2la.com



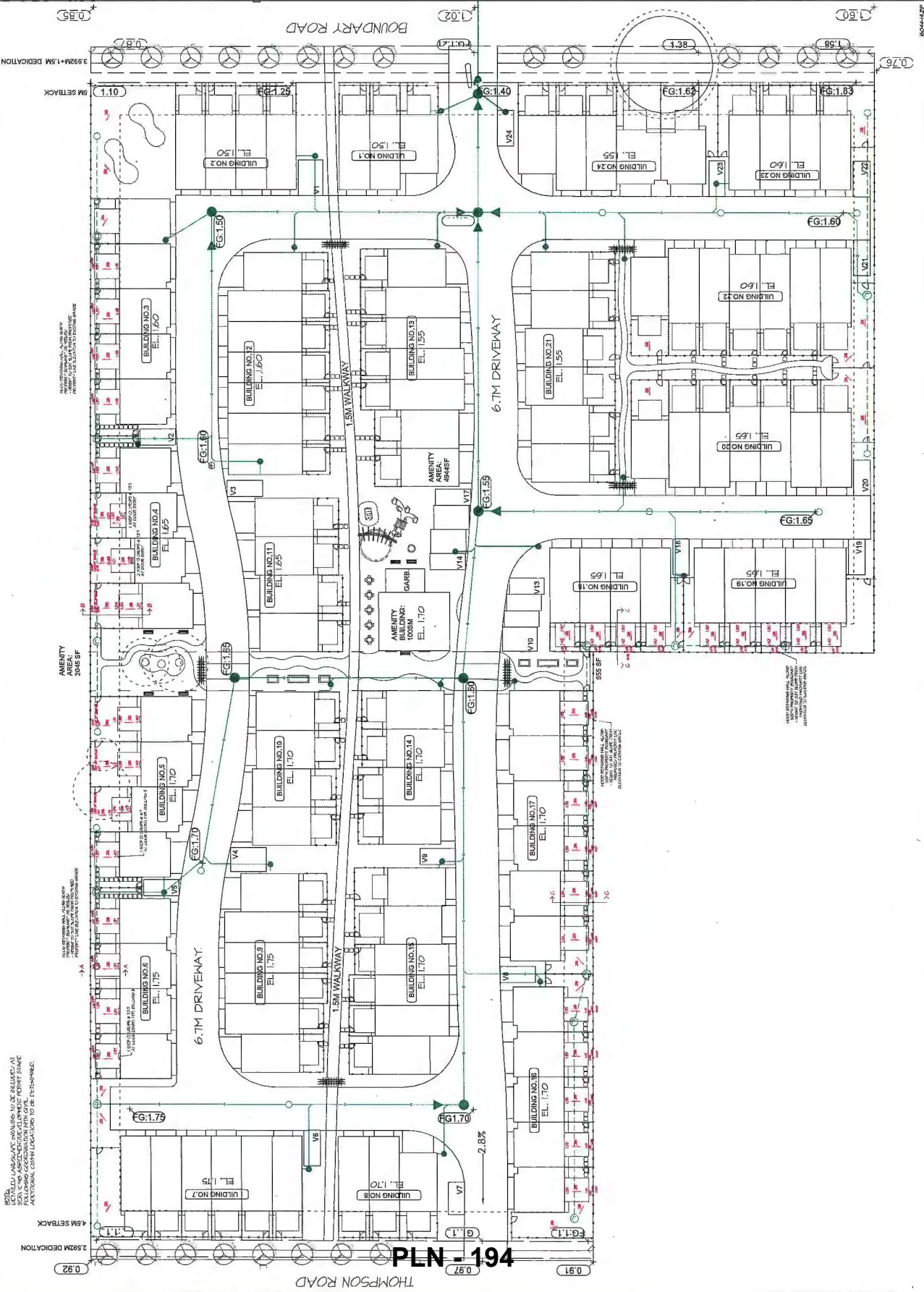
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**PROJECT:**  
120 UNIT TOWNHOUSE  
DEVELOPMENT  
4291-4331 BOUNDARY ROAD &  
4330-4340 THOMPSON ROAD,  
RICHMOND, B.C.

**DRAWING TITLE:**  
GRADING  
PLAN

DATE:	JAN 2018
SCALE:	1:500
DRAWN BY:	PH
CHECKED BY:	PH
DATE:	PH

OF 8  
15  
M2LA PROJECT NUMBER: 15-044



PLN - 194











**RZ 15-713048**

**Attachment 3**

Address: 4300, 4320, 4340 Thompson Road and 4291, 4331, 4431 & 4451 Boundary Road

Applicant: Kaimanson Investments Ltd.

Planning Area(s): Hamilton

	Existing	Proposed
<b>Owner:</b>	Seven individual owners.	Kaimanson Investments Ltd.
<b>Site Size (m<sup>2</sup>):</b>	18,683 m <sup>2</sup>	17,816 m <sup>2</sup> (after road dedication)
<b>Land Uses:</b>	Single Family Dwellings	Townhouse Development
<b>OCP Designation:</b>	Residential	Residential
<b>Area Plan Designation:</b>	Neighbourhood Residential (Townhouse 0.75 FAR)	Neighbourhood Residential (Townhouse 0.75 FAR)
<b>Zoning:</b>	Single Detached (RS1/F) and Two-Unit Dwellings (RD1)	High Density Townhouses (RTH1)
<b>Number of Units:</b>	7	120
<b>Other Designations:</b>	Environmentally Sensitive Area	Environmentally Sensitive Area

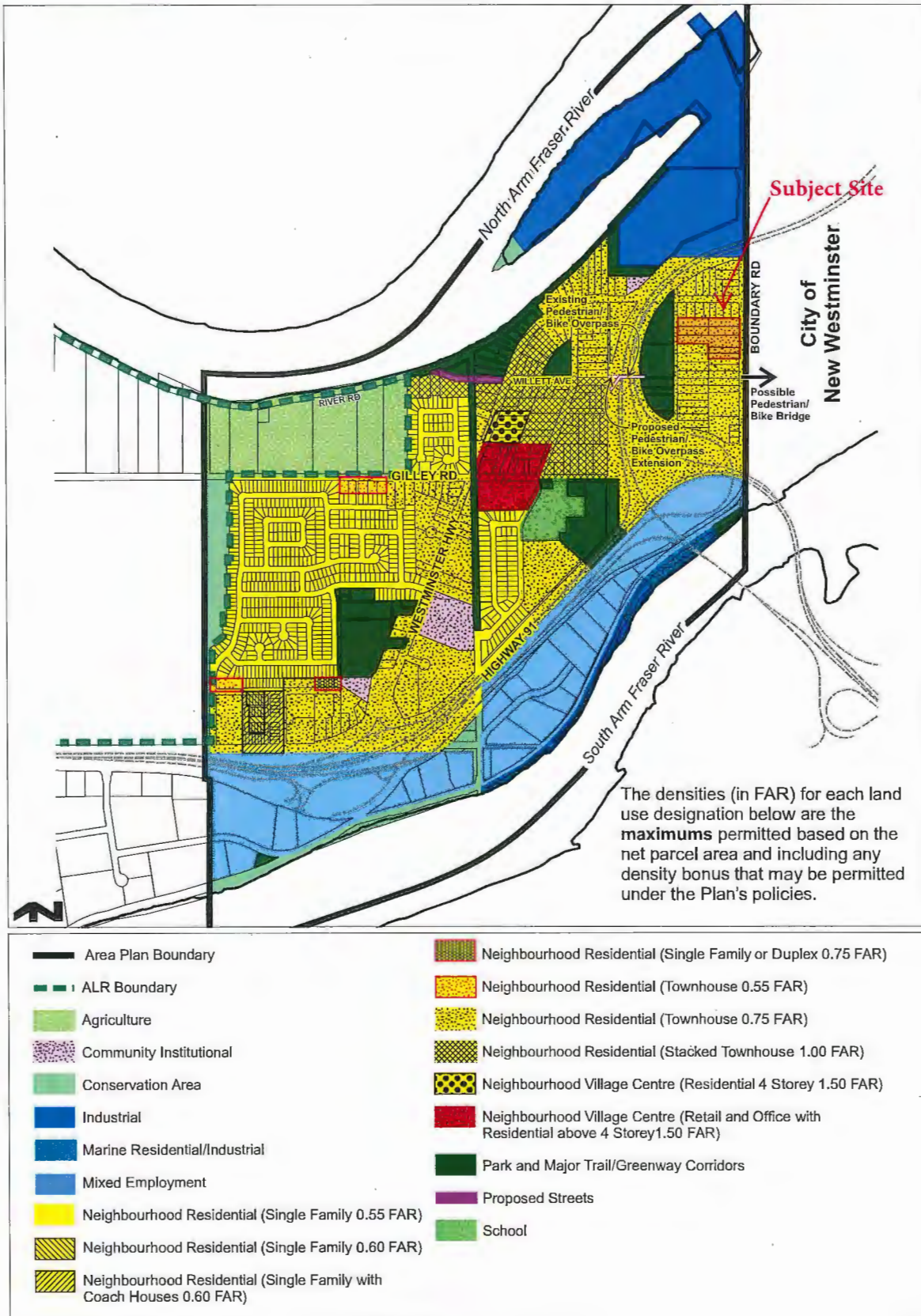
On Future Subdivided Lots	Bylaw Requirement	Proposed	Variance
Floor Area Ratio:	Max. 0.75 FAR with density bonus provided	0.75 FAR	none permitted
Buildable Floor Area (m <sup>2</sup> ):*	Max. 13,362 m <sup>2</sup> (143,831 ft <sup>2</sup> )	Max. 13,320 m <sup>2</sup> (143,380 ft <sup>2</sup> )	none permitted
Lot Coverage (% of lot area):	Building: Max. 45% Non-porous Surfaces: Max. 25% Total: Max. 70%	Building: Max. 40% Non-porous Surfaces: Max. 25% Total: Max. 65%	none
Lot Size:	1,800 m <sup>2</sup>	17,816 m <sup>2</sup>	none
Lot Dimensions (m):	Width: 40 m Depth: 30 m	Width: 78.24 m Depth: 187.3 m	none
Setbacks (m):	Front (Thompson Road): Min. 4.5 m Rear (Boundary Road): Min. 4.5 m Side: Min. 2.0 m Exterior Side: Min. 2.0 m	Front (Thompson Road): Min. 4.5 m Rear (Boundary Road): Min. 5.0 m Side: Min. 4.5 m Exterior Side: N/A	none
Height (m):	12 m	11.65 m	none
Off-street Parking Spaces – Regular (R) / Visitor (V):	240 (R) and 24 (V) per unit	240 (R) and 24 (V) per unit	none

On Future Subdivided Lots	Bylaw Requirement	Proposed	Variance
Off-street Parking Spaces – Total:	264	264	none
Tandem Parking Spaces:	Permitted – Maximum of 50% of required spaces	48.3%	none
Amenity Space – Indoor:	100 m <sup>2</sup>	100 m <sup>2</sup>	none
Amenity Space – Outdoor:	720 m <sup>2</sup>	738 m <sup>2</sup>	none

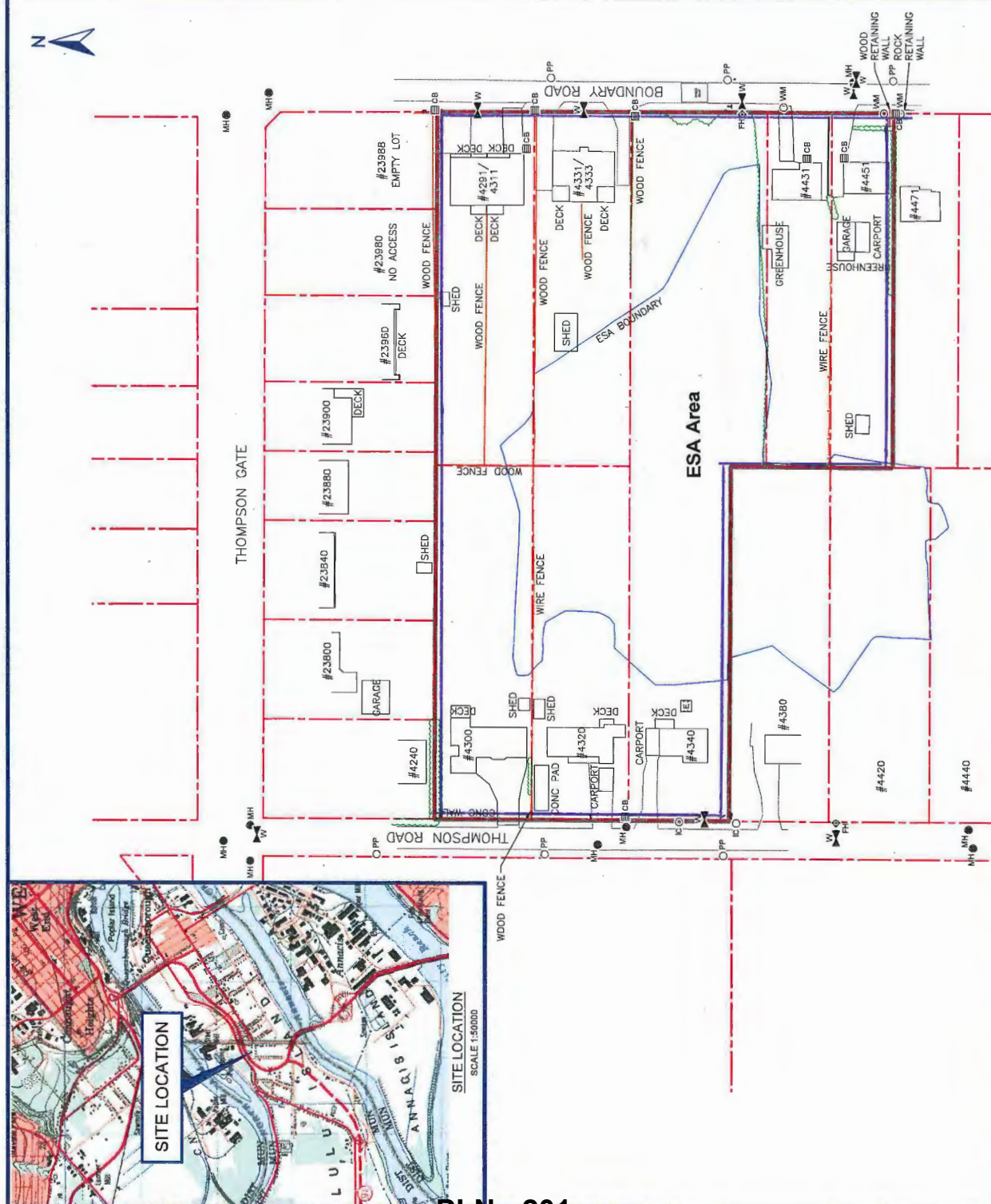
Other: Tree replacement compensation required for loss of significant trees.

\* Preliminary estimate; not inclusive of garage; exact building size to be determined through zoning bylaw compliance review at Building Permit stage.

## Land Use Map







# PLN - 201









PLN - 203

Dianthus barbatus, Sweet William	1.50	437,000	1.24
Eschscholzia californica, California Poppy	2.00	250,000	0.95
Festuca occidentalis, Western Fescue*	5.00	499,000	4.72
Festuca ovina, Sheep's Fescue Quatro	21.25	530,000	21.31
Festuca rubra var. rubra, Creeping Red Fescue*	15.00	455,000	12.91
Festuca rubra, Native Red Fescue	15.00	600,000	17.03
Lolium multiflorum, Annual Ryegrass (Diploid)	30.00	217,000	12.32
Lupinus perennis, Blue Lupine	3.00	20,000	0.11
* native to coastal British Columbia	100.00		100.00

### PLANT SCHEDULE

M2 JOB NUMBER: 16-044  
PLANTED SIZE / REMARKS

KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANTED SIZE	REMARKS
TREES (1188 Total)					
	30	ALNUS RUBRA	RED ALDER	TCM CAL	
	30	POPULUS TRICHOCARPA	BLACK COTTONWOOD	TCM CAL	
	30	PINUS CONTORTA	SHORE PINE	1.8M HT	
	70	CRATAEGUS DOUGLASII	BLACK HAWTHORN	#5 POT	
	80	PICEA SITCHENSIS	SITKA SPRUCE	#5 POT	
	360	PSUEDOTSUGA MENZIESII	DOUGLAS FIR	#5 POT	
	60	ACER MACROPHYLLUM	BIGLEAF MAPLE	#5 POT	
	360	THUJA PLICATA	WESTERN RED CEDAR	#5 POT	
	168	TSUGA HETEROPHYLLA	WESTERN HEMLOCK	#5 POT	
SHRUBS & GROUND COVER (6475 Total)					
	344	CORNUS STOLONIFERA	RED-OSIER DOGWOOD	#1 POT	
	853	CORYLUS AMERICANA	HAZELNUT	#1 POT	
	344	MAHONIA AQUIFOLIUM	BARBERRY	#1 POT	
	853	RIBES SANGUINEUM	RED FLOWERING CURRANT	#1 POT	
	180	ROSA NOOTKATENSIS	NOOTKA ROSE	#1 POT	
	344	RUBUS PARVIFLORUS	THIMBLEBERRY	#1 POT	
	344	RUBUS SPECTABILIS	SALMONBERRY	#1 POT	
	180	SAMBUCUS RACEMOSA	RED ELDERBERRY	#1 POT	
	853	SPIRAEA DOUGLASII	HARDHACK	#1 POT	
	344	SYMPHORICARPOS ALBIS	SNOWBERRY	#1 POT	

\*ALL SHRUBS AND GROUND COVER SHOWN ON PLANS IN HATCHED AREAS TO BE SPACED AT AN OVERALL DENSITY OF ONE PLANT PER 10 SQM  
• TOTAL OVERALL AREA OF PLANTING (YELLOW) = 160 ACRES (6475m2)  
• TREES QUANTITIES ARE IN ADDITION TO SHRUBS/GROUND COVER PLANTED IN SAME AREA

NOTES: \* PLANT SIZES IN THIS LIST ARE SPECIFIED ACCORDING TO THE BC LANDSCAPE STANDARD, LATEST EDITION. CONTAINER SIZES SPECIFIED AS PER CITY STANDARDS. BOTH PLANT SIZE AND CONTAINER SIZE ARE THE MINIMUM ACCEPTABLE SIZES. \* REFER TO SPECIFICATIONS FOR DEFINED CONTAINER MEASUREMENTS AND OTHER PLANT MATERIAL REQUIREMENTS. \* SEARCH AND REVIEW: MAKE PLANT MATERIAL AVAILABLE FOR OPTIONAL REVIEW BY LANDSCAPE ARCHITECT AT SOURCE OF SUPPLY. AREA OF SEARCH TO INCLUDE LOWER MAINLAND AND FRASER VALLEY. \* SUBSTITUTIONS: OBTAIN WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO MAKING ANY SUBSTITUTIONS TO THE SPECIFIED MATERIAL. UNAPPROVED SUBSTITUTIONS WILL BE REJECTED. ALLOW A MINIMUM OF FIVE DAYS PRIOR TO DELIVERY FOR REQUEST TO SUBSTITUTE. SUBSTITUTIONS ARE SUBJECT TO BC LANDSCAPE STANDARD - DEFINITION OF CONDITIONS OF AVAILABILITY.

ALL PLANT MATERIAL MUST BE PROVIDED FROM CERTIFIED DISEASE FREE NURSERY.  
PROVIDE CERTIFICATION UPON REQUEST.

1604-ESA LI - 04.xdp

3	JAN16/17	REV. PER CITY COMMENTS FOR REZONING	PMT
2	DEC14/16	REVISED AS PER CITY COMMENTS	PMT
1	OCT15/16	REVISED AS PER CITY COMMENTS	PMT
NO.	DATE	REVISION DESCRIPTION	DR.

SEAL:

PROJECT:

HAMILTON HIGHWAY PARK  
PARC THOMPSON  
ESA COMPENSATION PLAN  
RICHMOND, B.C.

DRAWING TITLE:

ENVIRONMENTAL  
SITE ASSESSMENT

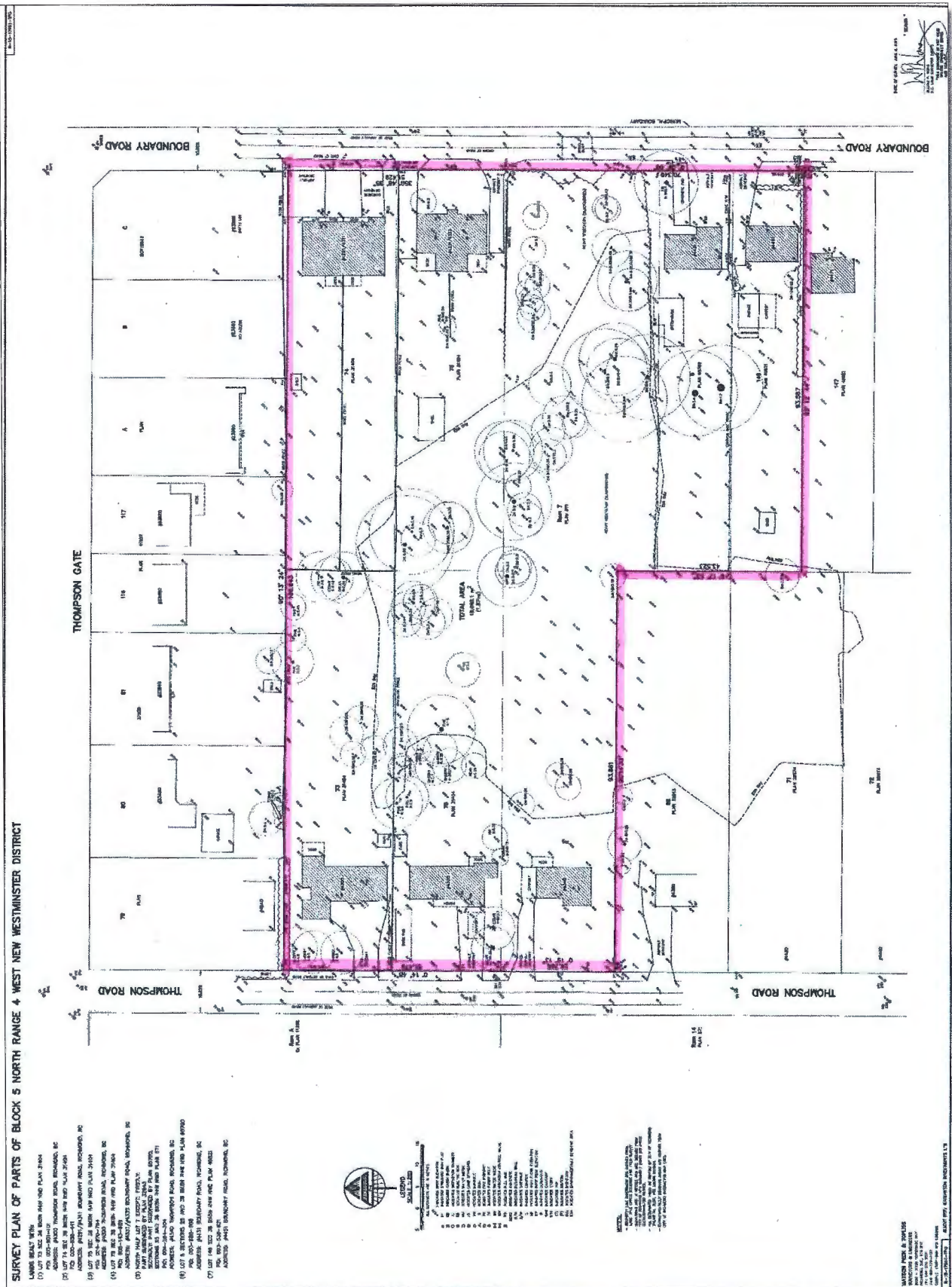
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SCALE:	1:1750	
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DESIGN:	PMT	
CHK'D:	MTLM	

L1-ESA

OF 9

M2/LA PROJECT NUMBER: JOB NO. 16-044





### Site Survey – Not to Scale

**PLN - 204**





**Address: 4300, 4320, 4340 Thompson Road, and 4291, 4331, 4431, 4451 Boundary Road      File No.: RZ 15-713048**

**Kaimanson Investments Ltd.**

**Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 9681, the developer is required to complete the following:**

1. Provincial Ministry of Transportation & Infrastructure Approval.
2. Road dedication of 2.59 m along the entire frontage of Thomson Road and 5.49 m along the entire frontage of Boundary Road as shown on Attachment 1.
3. Consolidation of all the lots into one development parcel (which will require the demolition of the existing dwellings).
4. Submission of a Tree Survival Security to the City in the amount of \$60,000 to be held for a term of three (3) years for the six (6) trees that are to be retained (labelled with tag nos. 5, 61, 63, 65, 66 and 67) in the Arborist Report from Mountain Maple Garden and Tree Service Ltd. dated July 2, 2015).
5. Submission of an on-site landscape plan for the subject project site that includes at least 156 replacement trees based on a ratio of at least 2:1 to compensate for the 78 on-site trees to be removed. The required replacement trees are to be of the minimum sizes, based on the size of the trees being removed as per Tree Protection Bylaw No. 8057. The developer will also plant further trees within the ESA compensation area within Hamilton Hwy Park in Hamilton Highway Park, respectively required for the ESA Development Permit and Servicing Agreement (see Development Permit Considerations below).
6. "Shared Street": The granting of a 7.5 m wide statutory right-of-way on the subject property from Boundary Rd to Thompson Rd for public pedestrian and vehicle access over the 6.7 m wide driveway, and for landscaping, way-finding signage and street lights identified as a "Shared Street" on Attachment 2 with the developer and owner being responsible for liability, construction and maintenance.
7. East-West "Strollway" SRW: The granting of a 2.0 m wide statutory right-of-way on the subject property for a 1.5 m wide paved public pedestrian pathway, landscaping, way-finding signage and bollard lights identified as "Strollway" on Attachment 2 with the developer and owner being responsible for liability, construction and maintenance to provide an additional east-west pedestrian connection to the "Shared Street".
8. North-South "Strollway" SRW: The granting of a 4.0 m wide statutory right-of-way on the subject property for a 2.0 m wide paved public pedestrian pathway, landscaping, way-finding signage and bollard lights identified as "Strollway" on Attachment 2 with the developer and owner being responsible for liability, construction and maintenance.
9. Water Pressure Reducing Valve SRW: The granting of a 13 m by 14 m statutory right-of-way for City water services, pressure reducing valve and an associated building as shown on Attachment 2 with the City being responsible for liability, construction and maintenance.
10. Registration of a flood plain covenant on title identifying a minimum habitable elevation of 3.5 m GSC.
11. The submission and processing of a Development Permit\* completed to a level deemed acceptable by the Director of Development.
12. City acceptance of the developer's offer to voluntarily contribute \$6.55 per square foot of the total residential floor area (e.g. \$939,139) to the City's Hamilton Area Plan Amenity Reserve Fund (with the amount to be confirmed on the floor area within the Development Permit plans).
13. City acceptance of the developer's offer to voluntarily contribute \$4.00 per buildable square foot (e.g. \$573,520) to the City's affordable housing fund.
14. City acceptance of the developer's offer to voluntarily contribute \$113,270 to the City's Public Art Program based on the buildable floor area of 143,380 sq. ft. at \$0.79 per buildable square foot. A covenant is to be registered on title that



provides for the City's acceptance of developer-installed public art with a security provided a monetary public art contribution at \$113,270 to the City.

15. Discharge of City Covenant (LTO BG386398) from 4311 Boundary Road which restricts use of the land to two-dwelling building (duplex) only.
16. Voluntary contribution of a \$99,500 cash-in-lieu contribution for the City's construction of a Pressure Reducing Valve (PRV) station.
17. Voluntary contribution of a \$91,500 cash-in-lieu contribution to the City for the Boundary Road pump station upgrade by the City of New Westminster or an equivalent upgrade of the City infrastructure to achieve drainage servicing.
18. Submission of a letter from a LEED certified consultant as a requirement of issuance of the development permit and building permit confirming that the development has been designed to achieve a sufficient score to meet the current Canadian Green Building Council LEED Silver score criteria. The submission of a follow-up letter from a LEED certified consultant that confirms that buildings have been constructed to achieve LEED Silver certification or equivalent is required. Consideration should be given to building design with higher energy efficiency ratings than required by the BC Building Code.
19. Registration of a legal agreement on title identifying that the proposed development must be designed and constructed to meet or exceed EnerGuide 82 criteria for energy efficiency and that all dwellings are pre-ducted for solar hot water heating.
20. Ensure to the satisfaction of the City that the Construction, Phasing and Interim Design Measures in Appendix 1 of the Hamilton Area Plan (Schedule 2.14, Official Community Plan Bylaw 9000) are addressed, as applicable, in the Development Permit and Servicing Agreement.
21. The submission and processing of a Development Permit\* that addresses the Area Plan and OCP Multiple Family Guidelines and the Environmentally Sensitive Area Guidelines, completed to a level deemed acceptable by the Director of Development.
22. Enter into a Servicing Agreement\* for the design and construction of works described in Attachment 4 – Servicing Works.

**Prior to a Development Permit\* being forwarded to the Development Permit Panel for consideration, the developer is required to:**

1. Environmentally Sensitive Area (ESA): The developer is required to address the vegetation and habitat loss within the on-site ESA within the development site with a compensation area of 0.648 ha. (1.6 ac) that includes planting of a minimum of 1,188 trees and 6,475 shrubs/groundcover plants within Hamilton Highway Park as provided in the landscape plans entitled "Hamilton Highway Park, Parc Thompson, ESA Compensation Plan, Richmond, BC", Job No.16-044, prepared by M2 Landscape Architecture, revision dated January 19, 2017 including sheets L1-ESA to L9-ESA (the Landscape Plan) (L1-ESA included in Attachment 3). This ESA compensation area has been accepted on the basis of it being larger in than the 0.032 ha. (0.345 ac) compensation area (with 100 replacement trees) included in report entitled "Detailed Environmental Sensitivities Report, Kaimanson Queensborough Development" prepared by SLR Consulting (Canada) Ltd., dated March 8, 2016 (the QEP Report). The Landscape Plan and QEP Report and are to be respectively included within the Servicing Agreement and Development Permit to the satisfaction of the Senior Manager, Parks and the Director of Development.
2. On-Site Native Planting Areas: The on-site landscaping plan requires a minimum of 1,100 m<sup>2</sup> (0.27 acres) fully planted with native shrubs and trees within the north amenity area, on either side of the east-west and north-south Strollways and along the Boundary Road frontage of development.
3. Energy Efficiency: Complete a proposed townhouse energy efficiency report and recommendations prepared by a Certified Energy Advisor which demonstrates how the proposed construction will meet or exceed the required townhouse energy efficiency standards (EnerGuide 82 or better), in compliance with the City's Official Community Plan.

**Prior to Building Permit Issuance, the developer must complete the following requirements:**

1. Each townhouse garage is to be equipped with a 120V electric plug-in for electric vehicle charging equipment.
2. Incorporation aging-in-place measures and other accessibility measures in Building Permit (BP) plans as determined via the Development Permit process.

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3. Submission of a Construction Parking and Traffic Management Plan to the Transportation Department. Management Plan shall include location for parking for services, deliveries, workers, loading, application for any lane closures, and proper construction traffic controls as per Traffic Control Manual for works on Roadways (by Ministry of Transportation) and MMCD Traffic Regulation Section 01570.
4. Obtain a Building Permit (BP) for any construction hoarding. If construction hoarding is required to temporarily occupy a public street, the air space above a public street, or any part thereof, additional City approvals and associated fees may be required as part of the Building Permit. For additional information, contact the Building Approvals Department at 604-276-4285.

**Note:**

- \* This requires a separate application.
- Where the Director of Development deems appropriate, the preceding agreements are to be drawn not only as personal covenants of the property developer but also as covenants pursuant to Section 219 of the Land Title Act.

All agreements to be registered in the Land Title Office shall have priority over all such liens, charges and encumbrances as is considered advisable by the Director of Development. All agreements to be registered in the Land Title Office shall, unless the Director of Development determines otherwise, be fully registered in the Land Title Office prior to enactment of the appropriate bylaw.

The preceding agreements shall provide security to the City including indemnities, warranties, equitable/rent charges, letters of credit and withholding permits, as deemed necessary or advisable by the Director of Development. All agreements shall be in a form and content satisfactory to the Director of Development.

- Additional legal agreements, as determined via the subject development's Servicing Agreement(s) and/or Development Permit(s), and/or Building Permit(s) to the satisfaction of the Director of Engineering may be required including, but not limited to, site investigation, testing, monitoring, site preparation, de-watering, drilling, underpinning, anchoring, shoring, piling, pre-loading, ground densification or other activities that may result in settlement, displacement, subsidence, damage or nuisance to City and private utility infrastructure.
- Applicants for all City Permits are required to comply at all times with the conditions of the Provincial *Wildlife Act* and Federal *Migratory Birds Convention Act*, which contain prohibitions on the removal or disturbance of both birds and their nests. Issuance of Municipal permits does not give an individual authority to contravene these legislations. The City of Richmond recommends that where significant trees or vegetation exists on site, the services of a Qualified Environmental Professional (QEP) be secured to perform a survey and ensure that development activities are in compliance with all relevant legislation.

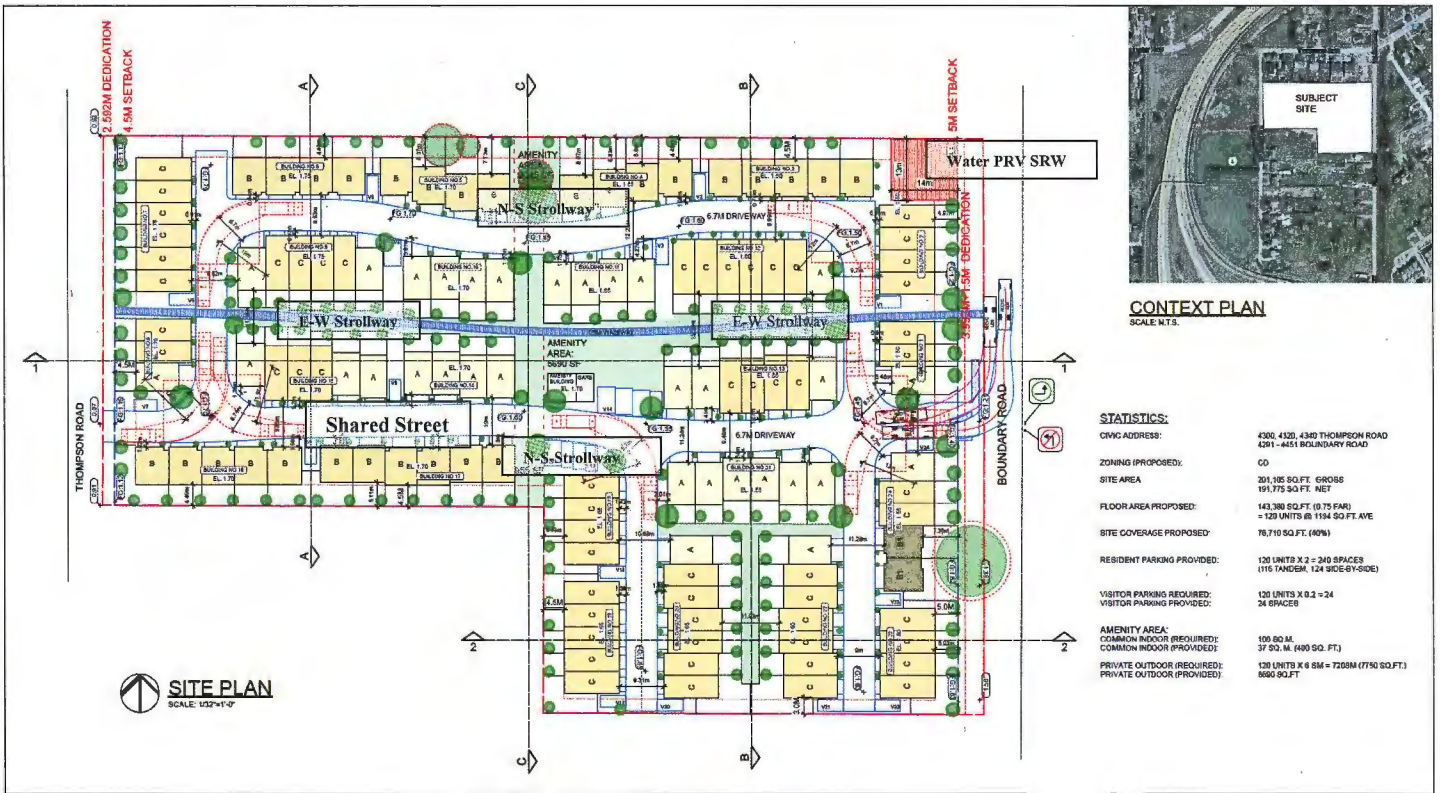
Signed \_\_\_\_\_

Date \_\_\_\_\_





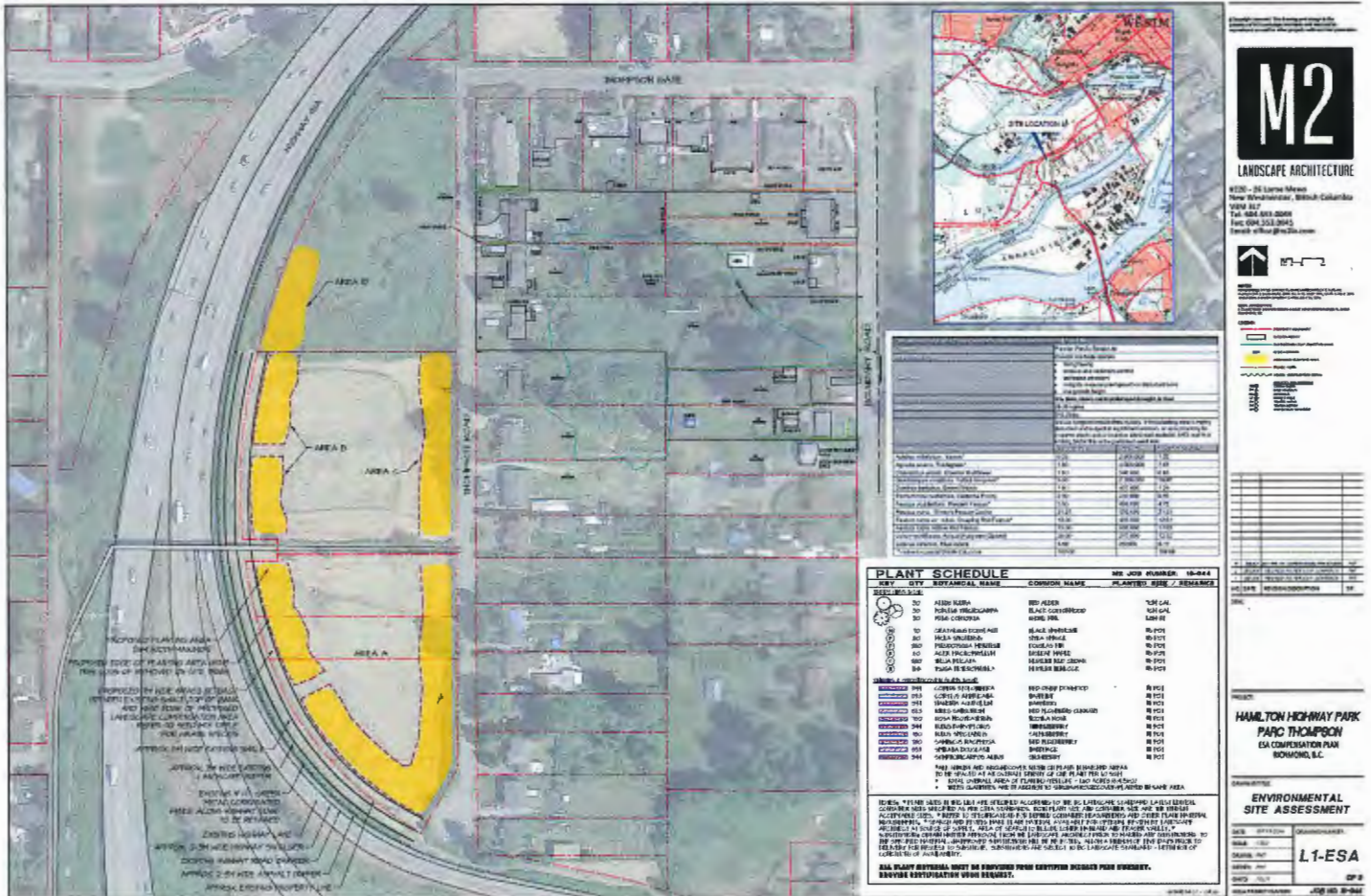
## Attachment 2 – Site Development Plan with SRWs



PLN - 210

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# Attachment 3 – Hamilton Highway Park, Parc Thompson, ESA Compensation Plan



#### **Attachment 4 – Servicing Works**

The following works must be included with the Servicing Agreement:

##### **1. Engineering Works**

###### **• Water Works:**

- a. Using the OCP Model, there is 74 L/s of water available at 20 psi residual at the Thompson Road frontage and 33 L/s of water available at the Boundary Road frontage. Based on your proposed development, your site requires a minimum fire flow of 220.0 L/s. To achieve this flow, watermain upgrades and the installation of a pressure reducing valve are required. By installing the works described below, the OCP Model indicates that 311.0 L/s of water will be available at 20 psi at the Thompson Road and 293.0 L/s at the Boundary Road frontage.
- b. The Developer is required to:
  - Submit Fire Underwriter Survey (FUS) or International Organization for Standardization (ISO) fire flow calculations to confirm the development has adequate fire flow for onsite fire protection. Calculations must be signed and sealed by a Professional Engineer and be based on Building Permit Stage Building designs.
  - Upgrade the existing 150mm AC watermain to 200mm PVC along the west property line from Thompson Gate to approximately 127m south to the south property line of the development site.
  - Upgrade the existing 150mm AC watermain to 300mm PVC along Boundary Rd from the proposed PRV station to approximately 45m north and tie in to the existing 300mm watermain along Thompson Gate.
  - Upgrade the existing 150mm AC watermain to 200mm PVC along the east property along Boundary Road line from the northeast corner of the site to approximately 122m south to the south property line of the development site.
  - Provide approximate 13m x 14m of land as statutory right of way required for PRV station at the northeast corner of the development site, location and area to be defined through the SA drawings.
  - Pay, in keeping with the Subdivision and Development Bylaw No 8751, a \$99,500 cash-in-lieu contribution for the construction of the PRV station.
  - Install additional fire hydrants along the east and west property line frontages to accommodate hydrant spacing requirements.
- c. At the Developers cost, the City is to:
  - Cut and cap all existing water service connections at the watermain along Thompson Road and Boundary Road frontages.
  - Install a new water service connection complete with meters and meter boxes along Thompson Road frontage.

###### **• Storm Sewer Works:**

- a. Currently the City's drainage system capacity is inadequate to service the new development.
- b. The Developer is required to:

- Pay, in keeping with the Subdivision and Development Bylaw No. 8751, a \$91,500 cash-in-lieu contribution towards the Boundary Road pump station upgrade or an equivalent upgrade of the City infrastructure to achieve drainage servicing.
- Install a new IC and service connection discharging directly into the Boundary Rd canal. Design must meet all applicable environmental requirements including the provision of any impact mitigation works. Design and construction approval will be required from the City of New Westminster.
- c. At the Developers cost, the City is to:
  - Cut and cap all existing storm sewer service connections along the Thompson Road and Boundary Road frontages.
- **Sanitary Sewer Works:**
  - a. The Developer is required to
    - Install a new sanitary service connection complete with IC at the Thompson Road frontage.
  - b. At the Developers cost, the City is to:
    - Cut and cap the existing sanitary service connections and remove the existing ICs located at the west property line frontage of the development site.
- **Frontage Improvements:**
  - a. The Developer is required to:
    - Dedicate land along the development sites east and west frontages for all required road, boulevard, side walk, bike lane, greenway improvements.
    - Coordinate with private utility companies when adding new infrastructure or when relocating/modifying any of the existing power poles and/or guy wires within the property frontages.
    - Locate all above ground utility cabinets and kiosks required to service the proposed development within the developments site (see list below for examples). A functional plan showing conceptual locations for such infrastructure shall be included in the Rezoning staff report and the development process design review. Please coordinate with the respective private utility companies and the project's lighting and traffic signal consultants to confirm the requirements and the locations for the aboveground structures. If a private utility company does not require an aboveground structure, that company shall confirm this via a letter to be submitted to the City. The following are examples of SRWs that shall be shown in the functional plan and registered prior to SA design approval:
      1. BC Hydro PMT – 4mW X 5m (deep)
      2. BC Hydro LPT – 3.5mW X 3.5m (deep)
      3. Street light kiosk – 1.5mW X 1.5m (deep)
      4. Traffic signal kiosk – 2mW X 1.5m (deep)
      5. Traffic signal UPS – 1mW X 1m (deep)
      6. Shaw cable kiosk – 1mW X 1m (deep) – show possible location in functional plan
      7. Telus FDH cabinet - 1.1mW X 1m (deep) – show possible location in functional plan
  - b. Other frontage improvements as per Transportation's requirements.

- **General Items:**

- a. The Developer is required to:

- Coordinate with the City of New Westminster for works involving Private Utility servicing within the east half of Boundary Rd.
    - Provide street lighting along the sites east and west frontages, design required through Servicing Agreement to the satisfaction of the City as follows:

- Thompson Road (East side of street)

- Pole colour: Grey
        - Roadway lighting @ back of curb: Type 7 (LED) INCLUDING 1 street luminaire on every pole, but EXCLUDING any banner arms, duplex receptacles, pedestrian luminaires, flower basket holders, or irrigation.

- Boundary Road (West side of street)

- Pole colour: Grey
        - Roadway lighting @ back of curb: Type 7 (LED) INCLUDING 1 street luminaire on every pole with pedestrian luminaires, but EXCLUDING any banner arms, duplex receptacles, flower basket holders, or irrigation. (NOTE: "Pedestrian luminaires" are intended to light the 3.0 m wide sidewalk/off-street bike path. Luminaire arms must be set perpendicular to the direction of travel.)

- Provide, within the first SA submission, a geotechnical assessment of preload, soil preparation and dewatering impacts on the existing utilities fronting or within the development site and provide mitigation recommendations.
        - Enter into, if required, additional legal agreements, as determined via the subject development's Servicing Agreement(s) and/or Development Permit(s), and/or Building Permit(s) to the satisfaction of the Director of Engineering, including, but not limited to, site investigation, testing, monitoring, site preparation, dewatering, drilling, underpinning, anchoring, shoring, piling, pre-loading, ground densification or other activities that may result in settlement, displacement, subsidence, damage or nuisance to City and private utility infrastructure.

- **2. Transportation Works**

The required road works as shown on Attachment 1 that include:

- a. Boundary Road development frontage: Use the existing east edge of the roadway as the reference, widen the road to the west to provide:
    - Roadside barriers (0.9m);
    - Paved 1.5m wide shoulder;
    - Paved 7.0 wide driving surface;
    - 0.15m wide curb and gutter;
    - 1.5m wide treed and grassed boulevard; and
    - 3.0m wide concrete sidewalk/pathway.
  - b. Thompson Road development frontage: Use the existing west edge of the roadway as the reference, widen the road to the east to provide:
    - Paved 1.0m wide shoulder;
    - Paved 8.5m wide driving surface;
    - 0.15m wide curb and gutter;
    - 1.5m wide treed and grassed boulevard; and
    - 1.5m wide concrete sidewalk.

**PLN - 214**



- c. Boundary Road, north of the development to Thompson Gate (for a distance approximately 50m):
  - Min. 1.5m wide paved walkway along the west side of the road, separated from the southbound traffic lane by physical barriers such as extruded curbs.
  - Upgrade of the existing two-way stop at the Boundary Road/Thompson Gate/Ewan Ave. intersection to a four-way stop configuration with marked pedestrian crosswalks to the satisfaction of the City of Richmond and City of New Westminster.

### 3. Parks Works

1. Hamilton Highway Park: The developer is to complete the native landscape planting and invasive species removal specifications in the landscape plans entitled "Hamilton Highway Park, Parc Thompson, ESA Compensation Plan, Richmond, BC", Job No.16-044, prepared by M2 Landscape Architecture, revision dated January 19, 2017 (sheets L1-ESA to L9-ESA; L1-ESA is included in Attachment 3) to the satisfaction of the City subject, but not limited, to:
  - a. The plans being completed prior to issuance of the Development Permit for the impacted ESA within the development.
  - b. A BLCS survey of Hamilton Highway Park and adjacent road allowances being completed with any adjustments to the landscaping as may be needed based on a review of the survey by the City.
  - c. The completion of landscape maintenance and monitoring plan for a three (3) year maintenance period.
  - d. Completion of the invasive species removal prescription consistent with the City's herbicide/pesticide policy (e.g. prohibition of the use of glyphosate to treat blackberries).
2. Boundary Road & Canal: The developer is to complete a landscape plan that maintains a vegetated edge of Boundary Canal which may include further native plants, in coordination with the road works design, to the satisfaction of the City.

Initial: \_\_\_\_\_



**Richmond Zoning Bylaw 8500  
Amendment Bylaw 9681 (RZ 15-713048)  
4300, 4320, 4340 Thompson Road and 4291, 4331, 4431 &  
4451 Boundary Road**

The Council of the City of Richmond, in open meeting assembled, enacts as follows:

1. Richmond Zoning Bylaw 8500, as amended, is further amended:

- a. at Section 3.4 (Use and Term Definitions) by inserting the following definitions in alphabetical order:

**“Hamilton**

means the area included in the Hamilton Area Plan.

**Hamilton Area Plan  
community amenity capital  
reserve**

means the statutory Capital Reserve Fund created by Hamilton Area Plan Community Amenity Capital Reserve Fund Establishment Bylaw No. 9276.”; and

- b. at Section 8.8.4 by deleting Section 8.8.4 and replacing it with the following:

**“8.8.4 Permitted Density**

1. The maximum **floor area ratio** is 0.6, together with an additional 0.1 **floor area ratio** provided that it is entirely used to accommodate **amenity space**.
2. Notwithstanding Section 8.8.4.1, in **Hamilton** the maximum **floor area ratio** for the RTH1 **zone** is 0.4, together with an additional 0.1 **floor area ratio** provided that it is entirely used to accommodate **amenity space**.
3. Notwithstanding Sections 8.8.4.1 and 8.8.4.2, the respective references to “0.6” and “0.4” are increased to a higher **density** of:
  - a) “0.75” in the RTH1 **zone**;
  - b) “0.80” in the RTH2 **zone**;
  - c) “0.85” in the RTH3 **zone**; and
  - d) “0.90” in the RTH4 **zone**,if the following conditions occur:

- e) the **owner**, at the time **Council** adopts a zoning amendment bylaw to include the **owner's lot** in the RTH1, RTH2, RTH3 or RTH4 **zone**, pays into the **affordable housing reserve** the sum specified in Section 5.15 of this bylaw; and
  - f) for rezoning applications within **Hamilton**, if the **owner**, at the time **Council** adopts a zoning amendment bylaw to include the **owner's lot** in the RTH1 **zone**, pays into the **Hamilton Area Plan community amenity capital reserve**, a sum based on \$70.50 per square meter of total residential **floor area**."
2. The Zoning Map of the City of Richmond, which accompanies and forms part of Richmond Zoning Bylaw 8500, as amended, is further amended by repealing the existing zoning designation of the following area and by designating it "**High Density Townhouses (RTH1)**":
- That area shown cross-hatched on "Schedule A attached to and forming part of Bylaw No. 9681".
3. This Bylaw may be cited as "**Richmond Zoning Bylaw 8500, Amendment Bylaw 9681**".

FIRST READING

A PUBLIC HEARING WAS HELD ON

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

MINISTRY OF TRANSPORTATION AND  
INFRASTRUCTURE APPROVAL

LEGAL REQUIREMENTS SATISFIED

ADOPTED

\_\_\_\_\_  
MAYOR\_\_\_\_\_  
CORPORATE OFFICER

CITY OF RICHMOND
APPROVED by <b>BK</b>
APPROVED by Director or Solicitor <b>JG</b>

**“Schedule A attached to and forming part of Bylaw No. 9681”**



City of  
Richmond

