



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

**Date:** June 28, 2019  
**File:** RZ 17-771371

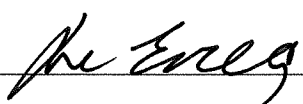
**Re:** **Application by Design Work Group Ltd. for Rezoning at 11480 and 11500 Railway Avenue from the "Single Detached (RS1/E)" Zone to the "Arterial Road Two-Unit Dwellings (RDA)" Zone**

**Staff Recommendation**

That Richmond Zoning Bylaw 8500, Amendment Bylaw 10060, for the rezoning of 11480 and 11500 Railway Avenue from the "Single Detached (RS1/E)" zone to the "Arterial Road Two-Unit Dwellings (RDA)" zone, be introduced and given First Reading.

  
Wayne Craig  
Director, Development  
(604-247-4625)

WC:el  
Att. 9

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

## Staff Report

### Origin

Design Work Group Ltd. has applied to the City of Richmond for permission to rezone 11480 and 11500 Railway Avenue (Attachment 1) from the “Single Detached (RS1/E)” zone to the “Arterial Road Two-Unit Dwellings (RDA)” zone in order to permit the property to be subdivided into three duplex lots (Attachment 2). A preliminary site plan, streetscape elevation and landscape plan are provided for reference in Attachment 3. A Development Permit application will be required to address the form and character of the proposed duplex.

A Servicing Agreement (SA) for frontage improvements and site service connections is required as a consideration of rezoning.

### Findings of Fact

A Development Application Data Sheet providing details about the development proposal is attached (Attachment 4).

#### Subject Site Existing Housing Profile

There are two existing single-family dwellings on the property, which will be demolished. The applicant has indicated that the dwellings are currently owner occupied, and that they do not contain any secondary suite.

### Surrounding Development

- To the North: Fronting Railway Avenue, single-family homes on lots zoned “Single Detached (RS1/E)”.
- To the South: A rezoning application to permit the development of a duplex on the adjacent property (at 11540 Railway Avenue) (RZ 18-819258) has been given Third Reading on June 17, 2019.
- To the East: Fronting Kestrel Drive, single-family homes on lots zoned “Single Detached (RS1/B)”.
- To the West: Across Railway Avenue, single-family homes on small lots zoned “Single Detached (RS1/A)” fronting on Garry Street.

### Related Policies & Studies

#### Official Community Plan/Steveston Area Plan

The 2041 Official Community Plan (OCP) Land Use Map designation for the subject site is “Neighbourhood Residential”. The Steveston Area Land Use Map designation for the subject site is “Single-Detached/Duplex/Triplex” (Attachment 5). The development proposal for three duplex lots is consistent with these designations.

### Arterial Road Policy

The Arterial Road Land Use Policy in the City's 2041 Official Community Plan Bylaw 9000 directs appropriate duplex and triplex developments onto certain minor arterial roads outside the City Centre. The subject site is identified for "Arterial Road Duplex/Triplex" on the Arterial Road Housing Development Map and the proposal is in compliance with the Arterial Road Duplex Development Requirements under the Arterial Road Policy.

### 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 not received any comments from the public about the rezoning application in response to the placement of the rezoning sign on the property.

The developers have also consulted with the owners/residents of the adjacent properties of the proposed development site; no concern has been raised. A consultation summary prepared by the developers can be found in Attachment 6.

Should the Planning Committee endorse this application and Council grant First 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*.

### **Analysis**

#### Built Form and Architectural Character

The developer proposes to subdivide the site into three lots and construct a new duplex on each lot. Each duplex lot will feature a unit in the front of the property with direct pedestrian access from Railway Avenue, and one unit will be at the back of the property with the main entrance from the auto-court proposed on site. The unit sizes are ranging from 123 m<sup>2</sup> (1,399 ft<sup>2</sup>) to 167 m<sup>2</sup> (1,800 ft<sup>2</sup>). All units will have a side-by-side attached garage. In keeping with the architectural character of the neighbourhood, all duplexes will be two storeys and will feature a peaked roof.

A Development Permit application will be required to address the form and character of the proposed duplex. Through the Development Permit, the following issues are to be further examined:

- Compliance with Development Permit Guidelines for duplex projects in the 2041 Official Community Plan (OCP).

- Review of the architectural character, scale, and massing to ensure that the proposed duplexes are well designed, fit well into the neighbourhood, and do not adversely impact adjacent homes.
- Review of the roof design to ensure it meets the “Residential Vertical Lot Depth Envelope” and “Residential Vertical Lot Width Envelope” requirements under Zoning Bylaw 8500.
- Review of aging-in-place features in all units and the provision of a convertible unit.
- Refinement of the proposed site grading to ensure survival of the protected tree, and to provide appropriate transition between the proposed development and adjacent existing developments.
- Refinement of the driveway and auto court configurations to minimum paved areas on site and explore the opportunity to widen the street fronting units to further animate the public realm.
- Refinement of landscape design including new trees to be planted on site.

Additional issues may be identified as part of the Development Permit application review process.

#### Existing Legal Encumbrances

There is an existing 3.0 m wide utility Right-of-Way (ROW) along the east property line of the subject site for an existing sanitary sewer line. The developer is aware that no construction is permitted in these areas.

#### Transportation and Site Access

Railway Avenue is a minor arterial road with a bike lane in this location. Vehicle access to the proposed duplex lots will be limited to one shared driveway crossing from Railway Avenue per every two lots, where possible.

Vehicle access to the two northern duplex lots is to be provided via a single shared driveway crossing from Railway Avenue. Since the street frontage of the proposed northernmost lot is adjacent to the Garry Street/Railway Avenue intersection, the proposed shared driveway for the two northern lots must be designed to locate outside (i.e., south) of the intersection.

As per the parking requirements under the “Arterial Road Two-Unit Dwellings (RDA)” zone, a visitor parking space will be required between the two northern lots since the shared driveway will be servicing more than two dwelling units.

Vehicle access to the south duplex lot is to be provided via a single driveway. No visitor parking is required for the southern lot since the driveway will be servicing no more than two dwelling units. However, visitor parking may informally be accommodated within the auto court, similar to the typical arrangement in a single family lot with a secondary suite or a side-by-side duplex development (i.e., two dwelling units sharing a single driveway).

Prior to rezoning, the applicant is required to register a restrictive covenant on Title to ensure that, upon subdivision of the property:

- Vehicle access to the two northern lots is via a single shared driveway crossing, based on a design specified in a Development Permit approved by the City.
- A cross-access easement for the shared driveway access, common drive aisle, and the shared visitor parking stall is to be registered on Titles of the each of the two northern lots.
- The buildings and driveways on all proposed lots are to be designed to accommodate on site vehicle turn-around to prevent vehicles from reversing onto Railway Avenue.

### Tree Retention and Replacement

The applicant has submitted a Certified Arborist's Report; 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 City's Tree Preservation Coordinator has reviewed the Arborist's Report and supports the Arborist's findings, with the following comments:

- There is no bylaw-sized tree located on site.
- A Douglas Fir tree (Trees # 62) located on neighbouring property to the east at 11471 Kestrel Drive is to be retained and protected as per Arborist Report specifications.
- A Juniper tree (Trees # A) located on the neighbouring property to the south at 11540 Railway Avenue is considered as an under-sized tree and has been identified for removal as part of the redevelopment proposal of 11540 Railway Avenue (which has received 3<sup>rd</sup> Reading on June 17, 2019). In order to avoid damages to the neighbour's tree during construction of the subject development, installation of tree protection fencing on the subject site is still required until the neighbouring developers are ready to remove this Juniper tree.

### *Tree Protection*

Two trees on neighbouring properties are to be retained and protected. The applicant has submitted a tree protection plan showing the trees to be retained and the measures taken to protect them during development stage (Attachment 7). To ensure that the trees identified for retention are protected at development stage, the applicant is required to complete the following items:

- Prior to final adoption of the rezoning bylaw, submission to the City of a contract with a Certified Arborist for the supervision of all works conducted within or in close proximity to tree protection zones. The contract must include the scope of work required, the number of proposed monitoring inspections at specified stages of construction, any special measures required to ensure tree protection, and a provision for the arborist to submit a post-construction impact assessment to the City for review.

- Prior to demolition of the existing dwelling on the subject site, installation of tree protection fencing around all trees to be retained. Tree protection fencing must be installed to City standard in accordance with the City's Tree Protection Information Bulletin Tree-03 prior to any works being conducted on-site, and remain in place until construction and landscaping on-site is completed.

#### *Tree Replacement*

No replacement is required as there is no bylaw-sized tree on site. However, according to the Preliminary Landscape Plan provided by the developer (Attachment 2), the developer is proposing to plant nine new trees on site. The number, size and species of new trees will be reviewed in detail through Development Permit and overall landscape design.

#### Accessible Housing

The developer has agreed that aging-in-place features will be provided in all units (e.g., inclusion of blocking in bathroom walls for installation of grab-bars, provision of blocking in stair walls to accommodate lift installation at a future date, and provision of lever door handles). In addition, a total of two convertible units will be provided in this three-duplex-lot development. Details of the accessible housing features will be reviewed at the future Development Permit stage.

#### Affordable Housing Strategy

The applicant proposes to make a cash contribution to the Affordable Housing Reserve Fund in accordance to Section 5.15.1(c) of Zoning Bylaw 8500. The applicant will make a cash contribution of \$8.50 per buildable square foot as per the requirement for a contribution of \$82,000.75.

#### Energy Step Code

The applicant has committed to design the subject development to meet the City's Step Code requirements (Attachment 8). Details on how all units are to be built and maintained to this commitment will be reviewed at Building Permit stage.

#### Site Servicing and Frontage Improvements

Prior to final adoption of the rezoning bylaw, the developer is required to dedicate an approximately 0.92 m wide road across the Railway Avenue frontage to match the property line to the north, in order to accommodate the required future signal equipment and frontage upgrades. The exact road dedication is to be determined based on legal surveys. In addition, the applicant is required to enter into the City's standard Servicing Agreement to design and construct frontage beautification works and service connections including new sidewalk, boulevard and trees (see Attachment 9 for details). All works are at the client's sole cost (i.e., no credits apply).

At future subdivision stage, the developer will be required to pay Development Cost Charges (DCC's) (City & GVS&DD), School Site Acquisition Charge, and Address Assignment Fee. Servicing connections are to be determined at Servicing Agreement stage.

**Financial Impact or Economic Impact**

The rezoning application results in an insignificant Operational Budget Impact (OBI) for off-site City infrastructure (such as roadworks, waterworks, storm sewers, sanitary sewers, street lights, street trees and traffic signals).

**Conclusion**

The purpose of this rezoning application is to rezone 11480 and 11500 Railway Avenue from the "Single Detached (RS1/E)" zone to the "Arterial Road Two-Unit Dwellings (RDA)" zone, in order to permit the development of three duplex lots (six dwelling units in total) on the subject site. The list of rezoning considerations is included in Attachment 9, which has been agreed to by the applicant (signed concurrence on file).

It is recommended that Richmond Zoning Bylaw 8500, Amendment Bylaw 10060 be introduced and given First Reading.



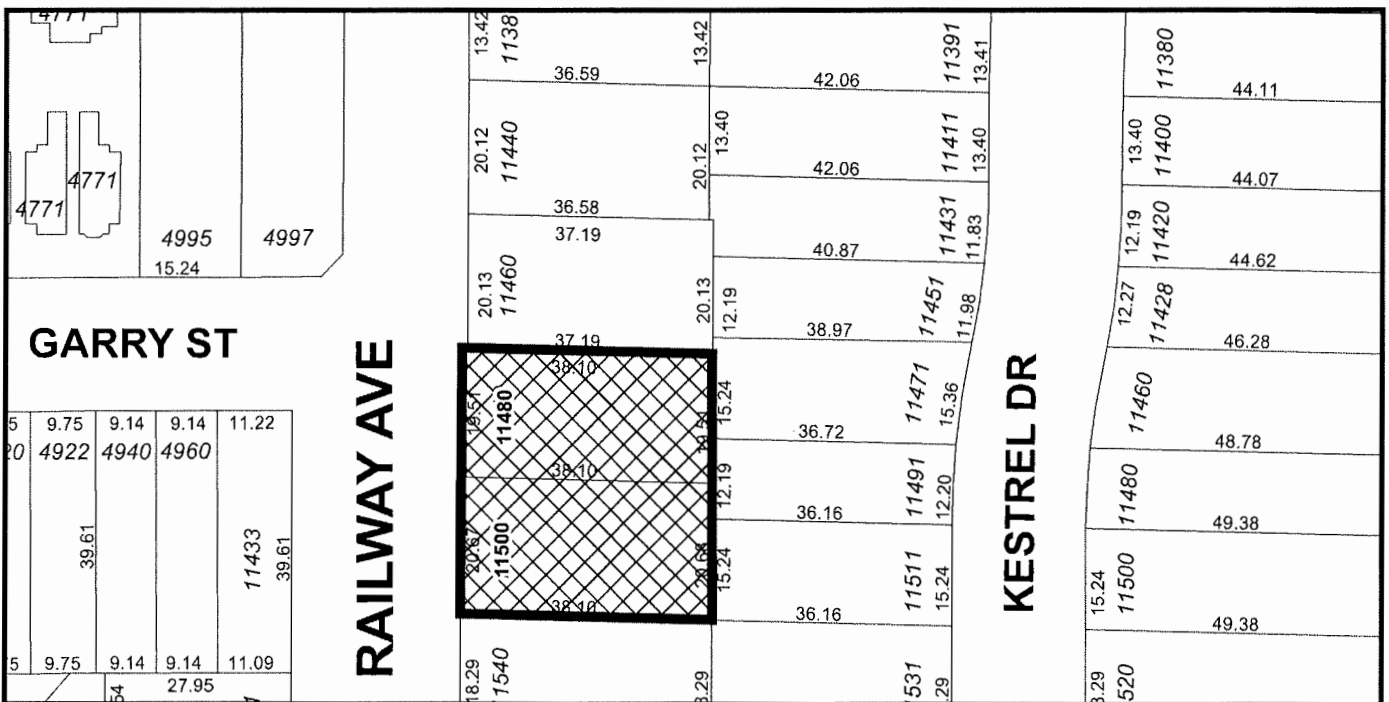
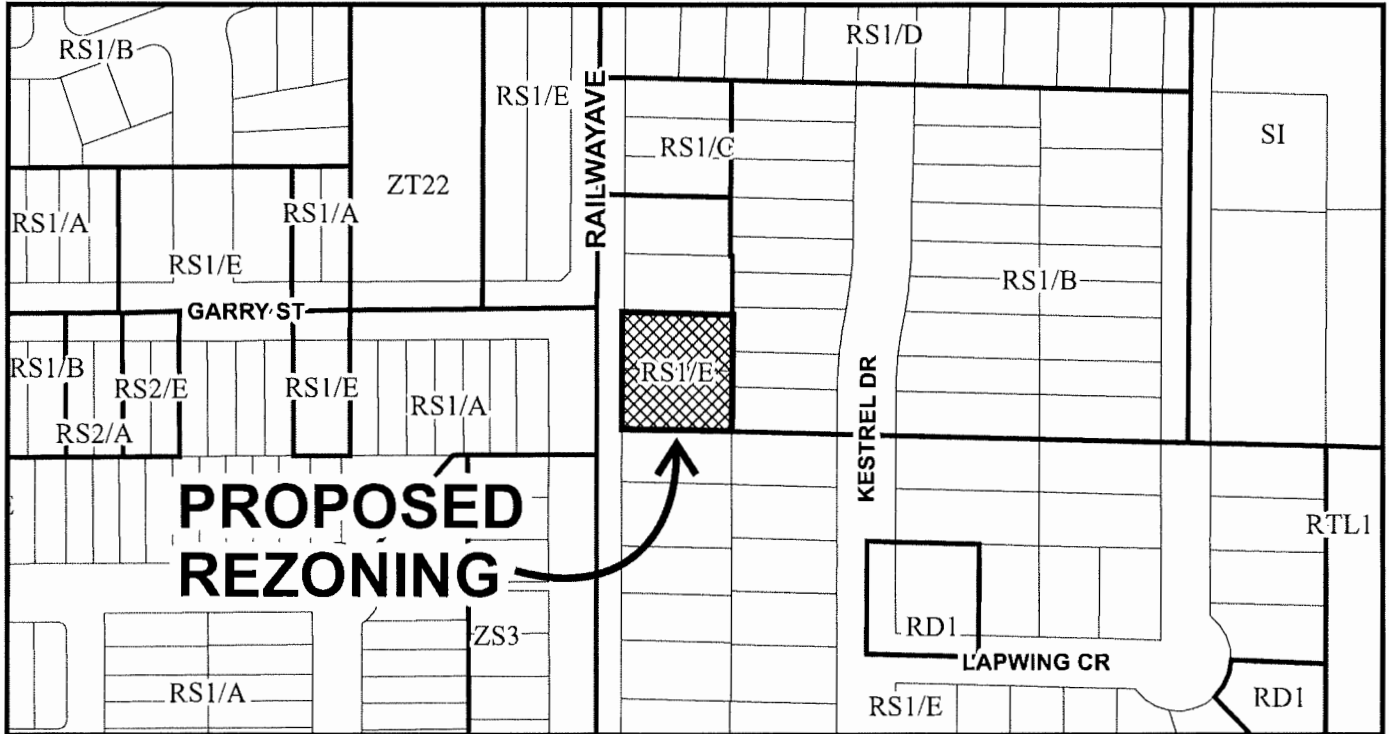
Edwin Lee  
Planner 1  
(604-276-4121)

EL:blg

- Attachment 1: Location Map
- Attachment 2: Proposed Subdivision Layout
- Attachment 3: Conceptual Development Plans
- Attachment 4: Development Application Data Sheet
- Attachment 5: Steveston Area Land Use Map
- Attachment 6: Consultation Summary
- Attachment 7: Tree Management Plan
- Attachment 8: Letter from Developer
- Attachment 9: Rezoning Considerations



# City of Richmond

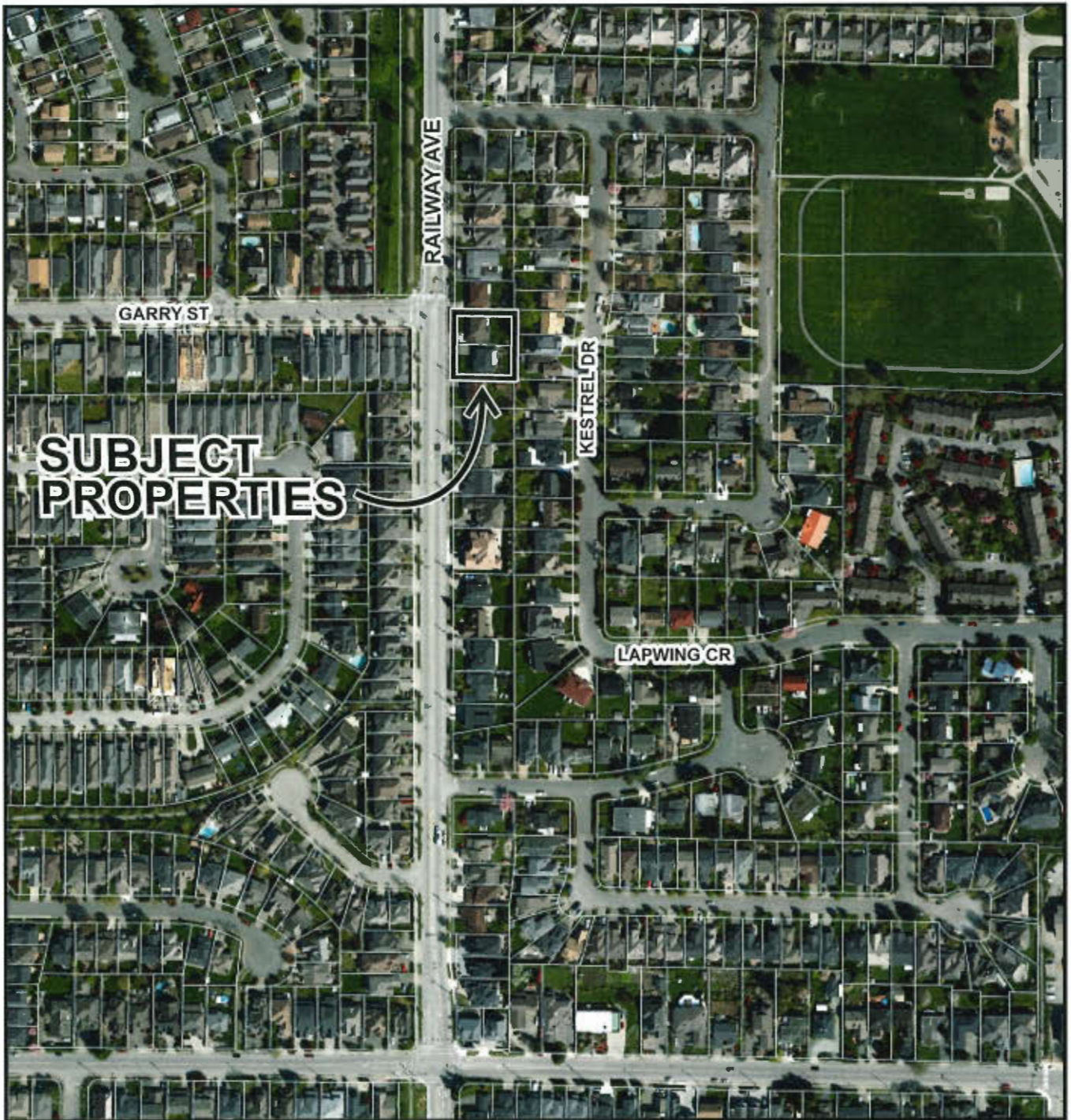


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City of  
Richmond



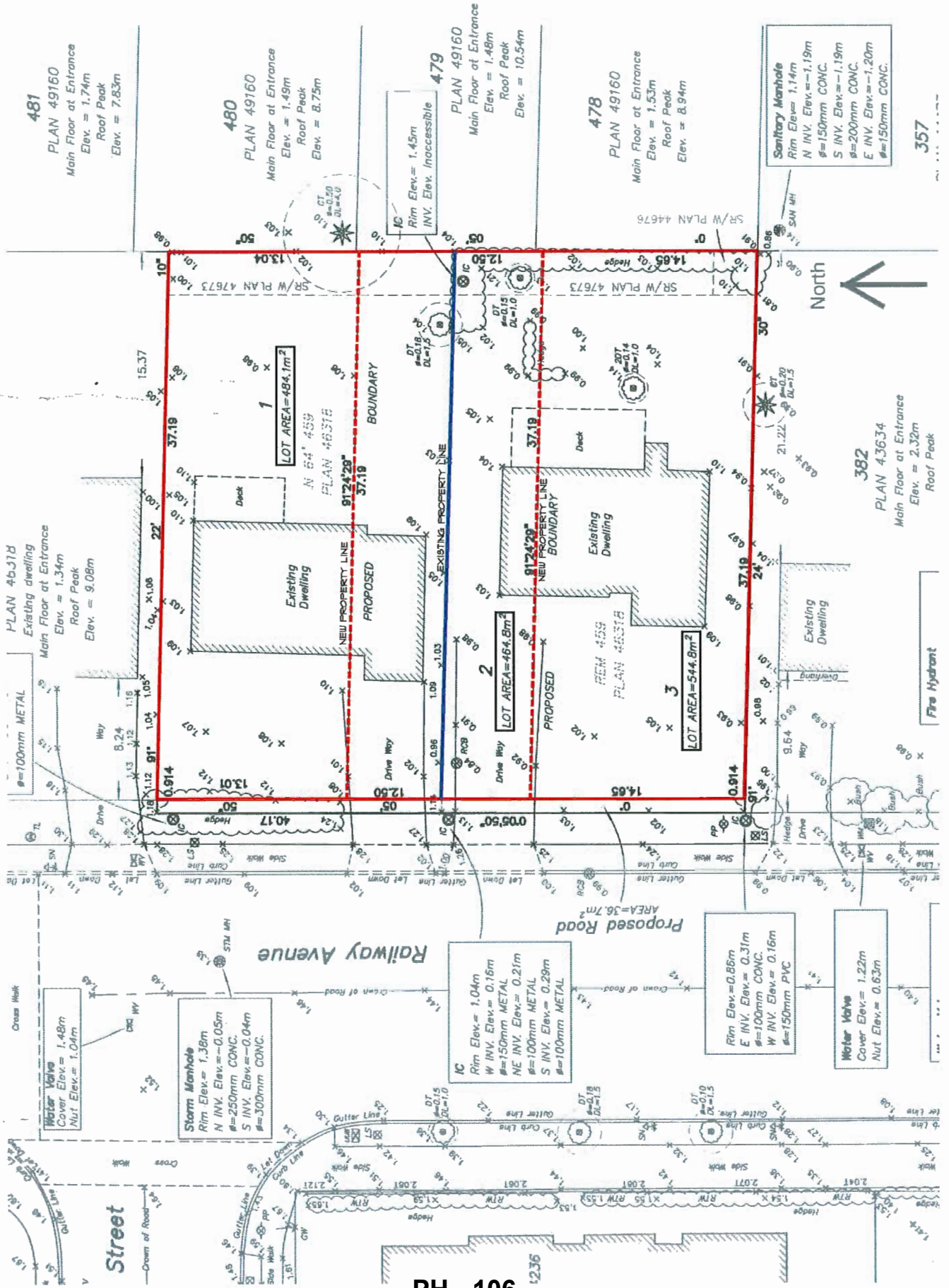
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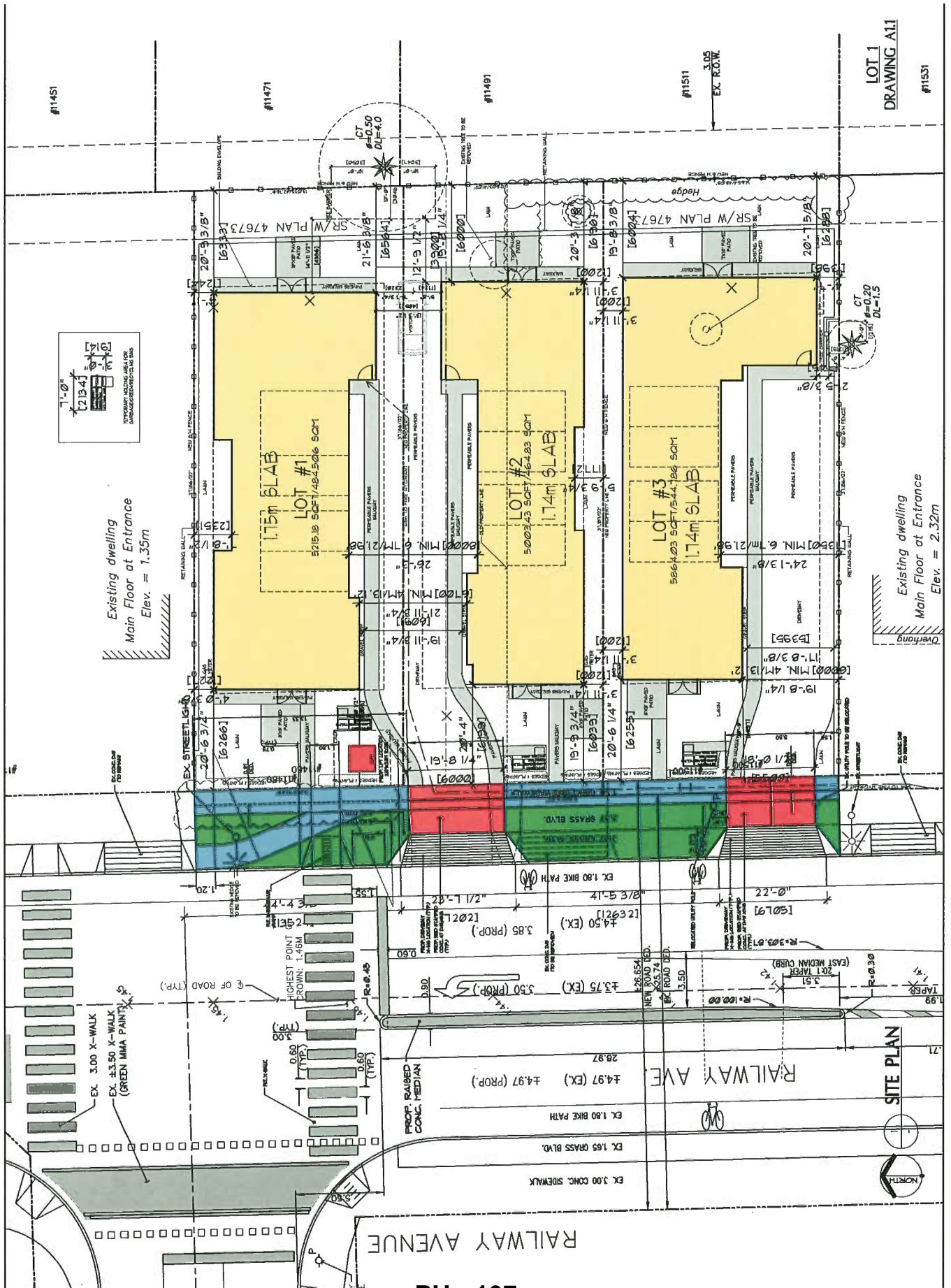
Revision Date:

Note: Dimensions are in METRES

Proposed Subdivision Layout



PH - 106



Existing dwelling  
Main Floor at Entrance  
Elev. = 1.35m

Existing dwelling  
Main Floor at Entrance  
Elev. = 2.32m



11440 RAILWAY AVE

11460 RAILWAY AVE

11480 RAILWAY AVE

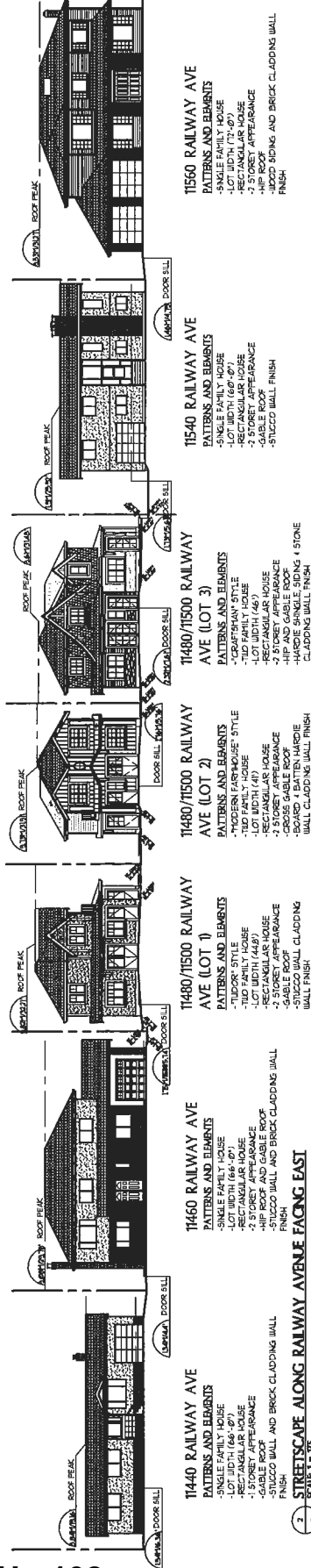
11500 RAILWAY AVE

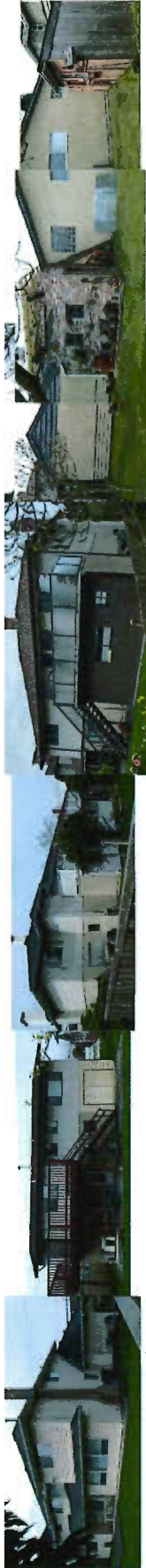
11540 RAILWAY AVE

11560 RAILWAY AVE

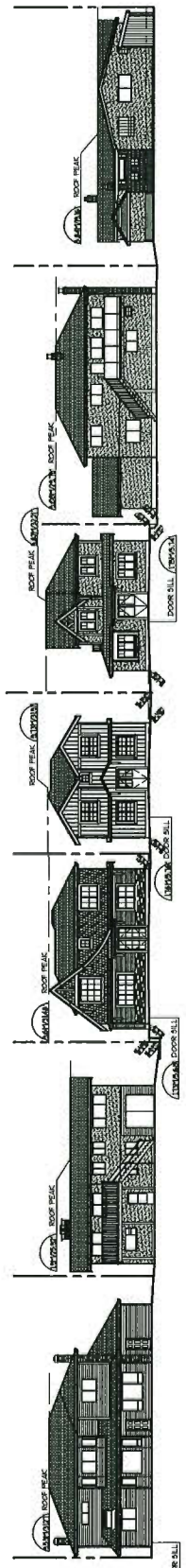
PHOTO STREETScape ALONG RAILWAY AVENUE, FACING EAST

SUBJECT PROPERTIES





11440 RAILWAY AVE 11460 RAILWAY AVE 11460 RAILWAY AVE 11460 RAILWAY AVE 11560 RAILWAY AVE  
 PHOTO STREETScape ALONG THE REAR PROPERTY LINE SHOWING EAST ELEVATIONS  
 N.E.K.

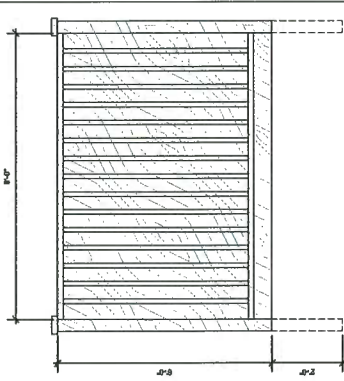


11560 RAILWAY AVE 11540 RAILWAY AVE 11480/11500 RAILWAY AVE (LOT 3) 11480/11500 RAILWAY AVE (LOT 2) 11460 RAILWAY AVE 11440 RAILWAY AVE  
 STREETScape ALONG THE REAR PROPERTY LINE SHOWING EAST ELEVATIONS  
 SCALE 1" = 1/2"



11471 RAILWAY AVE 11451 RAILWAY AVE 11433 RAILWAY AVE 4771 GARRY ST (UNIT 3)  
 PHOTO STREETScape ALONG RAILWAY AVENUE FACING WEST  
 N.E.K.

DRAWING A50



**A** 6' WOOD FENCE  
SCALE: 1/2" = 1'-0"

No.	Date	Appr.	Revision Notes
1	19-1-12		CITY COMMENTS

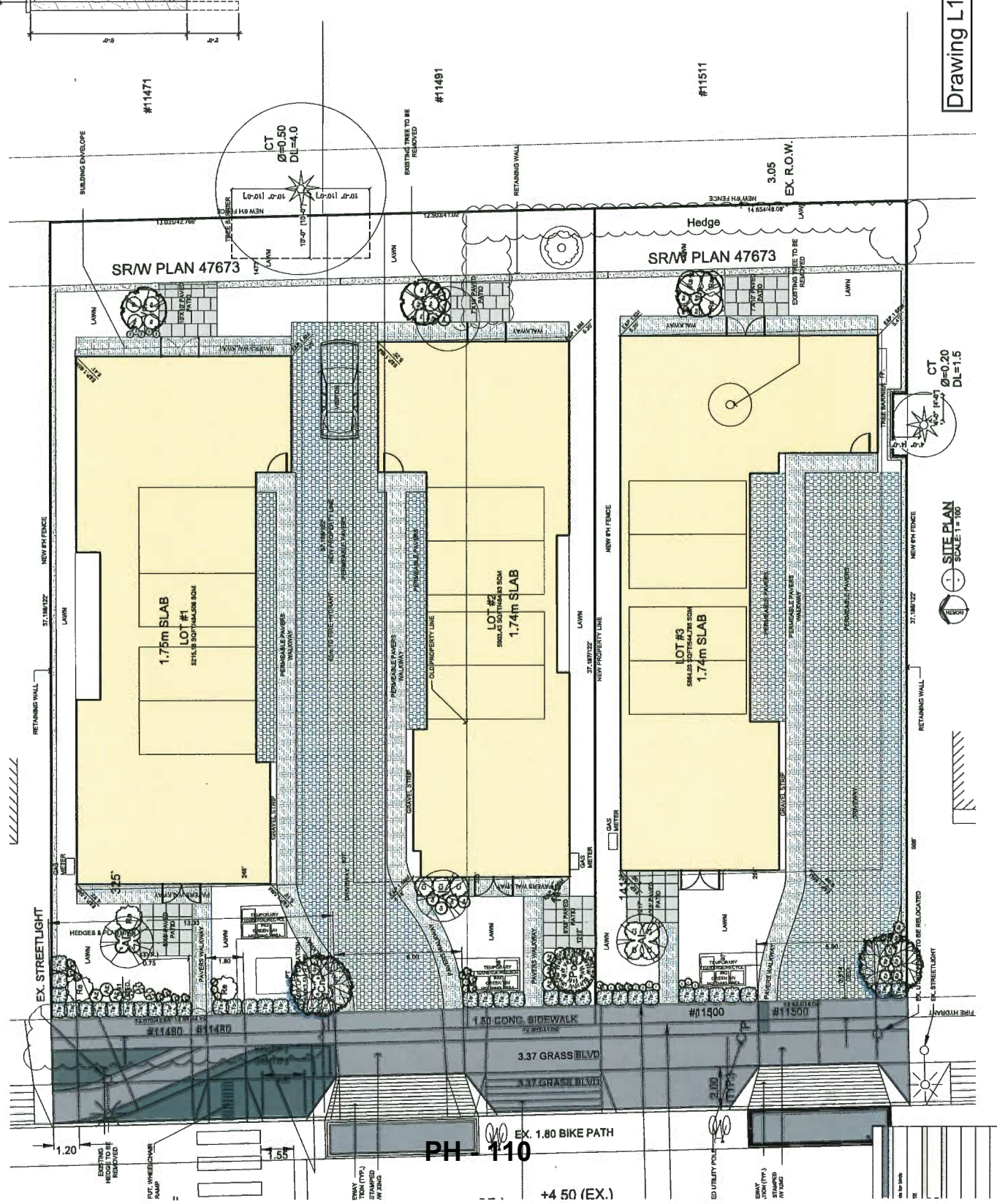
  

No.	Date	Issue Notes
A	19-4-11	ARCHITECTURAL REVIEW

**Company:** Larry Fidler, Landscape Designer  
591-6268 207A St.  
Langley, B.C. V2Y 0L2  
604.816.7712 larryfidler@blue.net

**Contract:** DESIGN WORK GROUP  
Suite 205-5085 Kingsway  
Burnaby, B.C. V5H 2E7

Project No.



**Drawing L1**

**SITE PLAN**  
SCALE: 1" = 100'



**PH 110**

+4 50 (EX.)

Plant List - 11480 -11500 RAILWAY AVENUE

Qty	Common Name	Botanical Name	Scheduled Size	Comments
	<b>Conifers</b>			
39	Emerald Arborvitae	Thuja occidentalis 'Emerald' (T.o. 'Smaragd')	1.8m.	Provides cover & seeds for birds
1	Serbian Spruce	Picea omorika	3.5m. B&B	REPLACEMENT TREE
	<b>Ornamental Grass-Bamboos</b>			
5	Golden Japanese Forest Grass	Hakonechloa macra 'Aureola'	#1	
	<b>Perennials</b>			
16	Bressingham Ruby Heartleaf Bergenia	Bergenia 'Bressingham Ruby' P.P.# 7344	#1	
8	Goldsturm Black Eyed Susan	Rudbeckia fulgida 'Goldsturm'	#2	
12	Joan Senior Daylily	Hemerocallis x 'Joan Senior'	#1	
13	Purple Coneflower	Echinacea purpurea	#2	Attracts birds
3	Shorty Spurge	Euphorbia 'Shorty' P.P.A.F.	#2	
	<b>Shrubs</b>			
3	Anah Krushke Rhododendron	Rhododendron x 'Anah Krushke'	#5	
7	Aztec Pearl Mexican Orange Blossom	Choisya ternata 'Aztec Pearl'	#5	
7	Blue Diamond Rhododendron	Rhododendron x 'Blue Diamond' (H-3)	#5	
6	Hino-Crimson Azalea	Azalea 'Hino-Crimson' (Kurume hybrid)	#3	
3	King Edward VII Flowering Currant	Ribes sanguineum 'King Edward VII'	#2	
12	Salal	Gaultheria shallon	#2	
	<b>Trees</b>			
2	Eddie's White Wonder Dogwood	Cornus x 'Eddie's White Wonder'	6cm. B&B	REPLACEMENT TREE
3	Pacific Fire Vine Maple	Acer circinatum 'Pacific Fire'	2.5m. B&B	native species
3	Shadblow Serviceberry	Amelanchier canadensis	2.5m. B&B	Wildlife Habitat



**RZ 17-771371**

**Attachment 4**

Address: 11480 and 11500 Railway Avenue

Applicant: Design Work Group Ltd.

Planning Area(s): Steveston

	<b>Existing</b>	<b>Proposed</b>
<b>Owner:</b>	1113132 BC LTD.	No change
<b>Site Size (m<sup>2</sup>):</b>	1,530.6 m <sup>2</sup>	Ranging from 464.8 m <sup>2</sup> to 544.8 m <sup>2</sup> per lot
<b>Land Uses:</b>	Single-family dwelling	Two-unit dwelling
<b>OCP Designation:</b>	Neighbourhood Residential	No change
<b>Area Plan Designation:</b>	Steveston Area Plan: Single-Detached/Duplex/Triplex	Duplex
<b>702 Policy Designation:</b>	N/A	No Change
<b>Zoning:</b>	Single-Detached (RS1/E)	Arterial Road Two-Unit Dwellings (RDA)
<b>Number of Units:</b>	2	6
<b>Other Designations:</b>	n/a	No change

<b>On Future Subdivided Lots</b>	<b>Bylaw Requirement</b>	<b>Proposed</b>	<b>Variance</b>
Density:	The lesser of 0.6 FAR or 334.5 m <sup>2</sup> per lot	0.6 FAR	none permitted
Lot Coverage (% of lot area):	Building: Max. 45% Non-porous Surfaces: Max. 70% Landscaping: Min. 25%	Building: 45% Max. Non-porous Surfaces: 70% Max. Landscaping: 25% Min.	none
Lot Size:	Min. 464.5 m <sup>2</sup>	464.8 m <sup>2</sup> to 544.8 m <sup>2</sup>	none
Lot Dimensions (m):	Width: Min. 10.35 m for proposed lots with shared vehicle access and Min. 13.4 m for proposed lot with individual vehicle access Depth: Min. 30 m	Width: 12.5 m for the lots with shared vehicle access and 14.65 m for the lot with individual vehicle access Depth: 37.18 m Min.	none
Setbacks (m):	Front: Min. 6 m Rear: Min. 6 m Side: Min. 1.2 m	Front: 6 m Min. Rear: 6 m Min. Side: 1.2 m Min.	none
Height (m):	Max. 9.0 m (2 storeys)	9.0 m (2 storeys)	none
Off-street Parking – Regular (R):	2 per unit	2 per unit	none

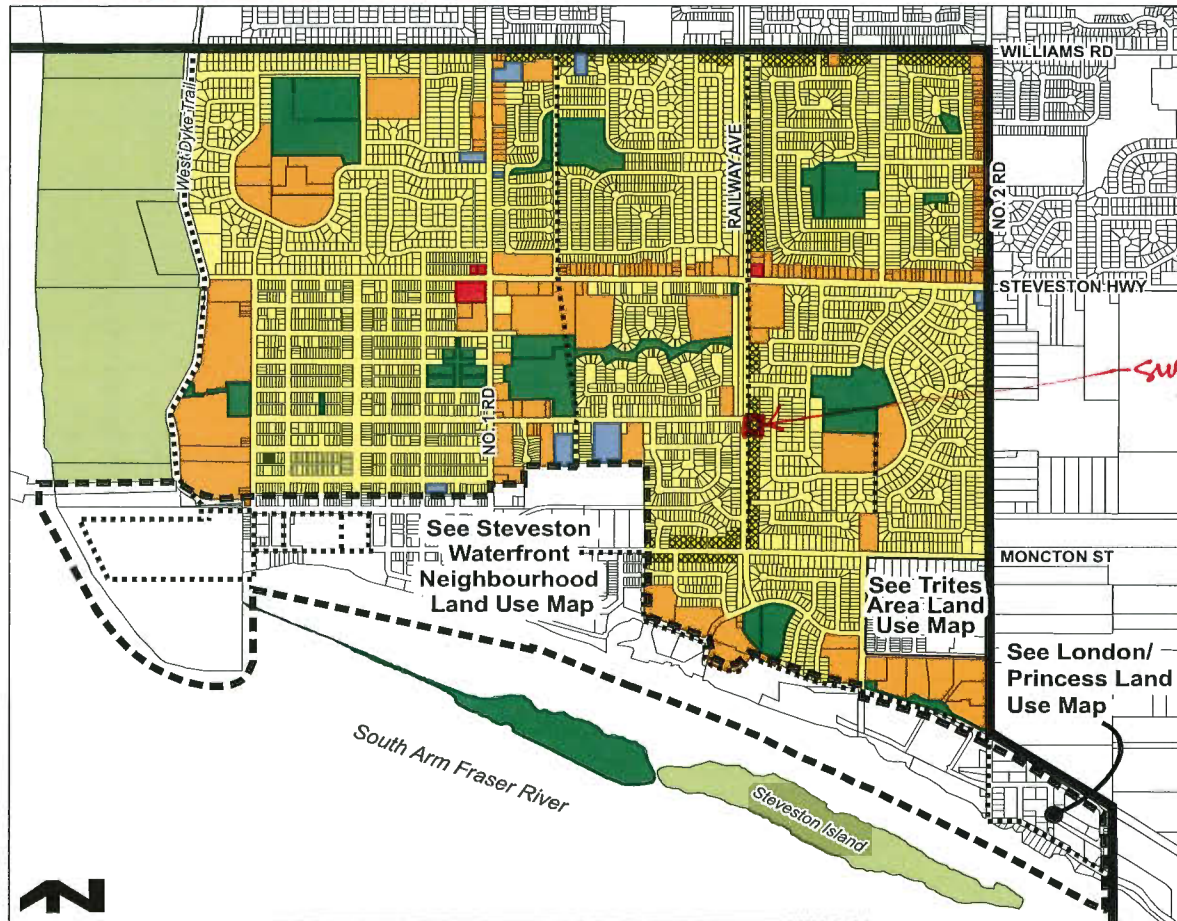












<b>On Future Subdivided Lots</b>	<b>Bylaw Requirement</b>	<b>Proposed</b>	<b>Variance</b>
Off-street Parking – Visitor (V):	0.2 per unit when 3 or more units share one access (0.2 x 4) = 1	1	none
Off-street Parking (total):	13	13	none
Tandem Parking Spaces:	Permitted	0	none

Other: Tree replacement compensation required for removal of bylaw-sized trees.

City of Richmond

**Steveston Area Land Use Map** Bylaw 9604  
2016/12/19



	Single-Family		Institutional
	Single-Detached/Duplex/Triplex		Conservation Area
	Multiple-Family		Trail
	Commercial		Steveston Area Boundary
	Public Open Space		Steveston Waterfront Neighbourhood Boundary

## **Railway Development – Neighbourhood Consultation**

### **11491 Kestrel Drive**

(Ellene & Tim Gould) – ellenegould@aim.com

- Like the design
- Happy to be engaged
- The height of building and the layout of the property works for them

RECEIVED  
JUN 15 2018

### **11511 Kestrel Drive**

(Derek & Carmen) – lamsx4@gmail.com

- On board with the development
- Hoping we trim the hedge in the back to provide more sun

### **11471 Kestrel Drive**

(Karl Reinders) – karlreinders@shaw.ca

- Likes the design
- On board with the development
- Doesn't feel he will be impacted much

### **11540 Railway Avenue**

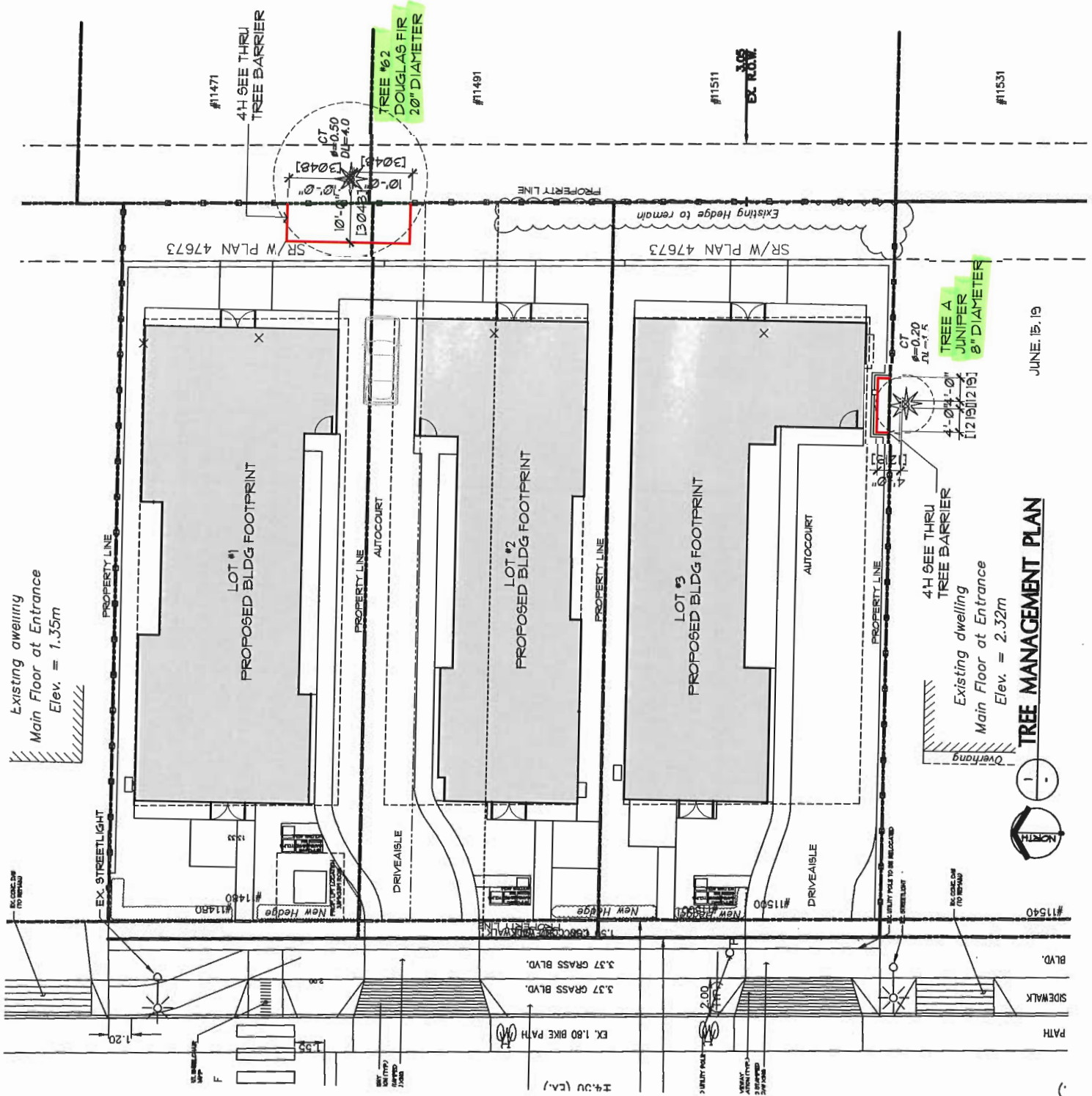
(Joy Ma)

- Likes the design
- On board with the development
- Doesn't feel she will be impacted
- Curious why he have not yet started breaking ground

### **11433 Railway Avenue**

(Aziz Kara & Zabeen Kara) – armiek@gmail.com

- Feels design is tasteful
- Happy with the number of units
- On board with the development



JUNE 15, 19

**TREE MANAGEMENT PLAN**



bricklane  
developments

June 14, 2019

**Attention: City of Richmond**

Re: Energy Step Code on proposed duplex project – 11480 & 11500 Railway Avenue

Bricklane Developments fully supports the new step code requirements and will meet the targets on this Duplex project.

Furthermore, we attended the various City of Richmond breakfast seminars and took advantage of the free testing that was offered on 2 of our projects. Those projects were successful and we reached the targets laid out by the Energy Step Code.

If you have any questions, please feel free to contact me at [Bricklanedevelopments@gmail.com](mailto:Bricklanedevelopments@gmail.com) or call 604-812-9561.

Sincerely,

A handwritten signature in black ink, appearing to read 'Inder Johal', with a long horizontal line extending to the right.

Inder Johal  
Vice President  
Bricklane Developments  
Suite 186 - 8120 No. 2 Road  
Richmond, BC  
V7C 5J8



**Address:** 11480 and 11500 Railway Avenue

**File No.:** RZ 17-771371

**Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 10060, the developer is required to complete the following:**

1. 0.92 m wide road dedication along the entire Railway Avenue frontage to match the property line to the north, in order to accommodate the required future signal equipment and frontage upgrades; exact width is to be confirmed with survey information to be submitted by the applicant.
2. Registration of a flood indemnity covenant on title.
3. Registration of a legal agreement on Title to ensure that, upon subdivision of the property:
  - a) Vehicle access to the two northern lots is via a single shared driveway crossing, based on a design specified in a Development Permit approved by the City;
  - b) A cross-access easement for the shared driveway access, common drive aisle, and the shared visitor parking stall is to be registered on Titles of the each of the two northern lots.
  - c) The buildings and driveways on all proposed lots are to be designed to accommodate on-site vehicle turn-around to prevent vehicles from reversing onto Railway Avenue.
4. Submission of a Contract entered into between the applicants/developers and a Certified Arborist for supervision of any on-site works conducted within/near the tree protection zone on site for the protection of the trees to be retained on neighbouring properties. The Contract should include the scope of work to be undertaken, including: the proposed number of site monitoring inspections, and a provision for the Arborist to submit a post-construction assessment report to the City for review.
5. City acceptance of the developer's offer to voluntarily contribute \$8.50 per buildable square foot (e.g. \$82,000.75) to the City's Affordable Housing Reserve Fund.
6. The submission and processing of a Development Permit\* completed to a level deemed acceptable by the Director of Development.
7. Enter into a Servicing Agreement\* for the design and construction of engineering infrastructure improvements. A Letter of Credit or cash security for the value of the Service Agreement works, as determined by the City, will be required as part of entering into the Servicing Agreement. Works include, but may not be limited to:
  - a) Water Works:
    - Using the OCP Model, there is 334 L/s of water available at a 20 psi residual at the Railway Avenue frontage. Based on your proposed development, your site requires a minimum fire flow of 95 L/s.
    - 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.
    - At the Developers cost, the City is to:
      - Install six new water service connections to serve the proposed development, complete with meters and meter boxes.
      - Cut and cap, at main, both existing water service connections serving the development site.
  - b) Storm Sewer Works:
    - At Developer's cost, the City is to:

- Cut and cap, at main, the storm service connection at the north property line of 11500 Railway Avenue and remove inspection chamber STIC51163.
  - Cut and cap, at inspection chamber, the existing service connection at the northern property line of 11480 Railway Avenue. Retain inspection chamber STIC51162 for boulevard drainage, and replace solid inspection chamber cover with grate if applicable.
  - Cut and cap, at inspection chamber, the southern-most service connection serving the development site and retain inspection chamber STIC51180 serving 11540 Railway Avenue.
  - Install three new storm service connections complete with inspection chambers. Or, alternatively, two new storm service connections with one located at the adjoining property line of two of the newly subdivided lots with dual service laterals.
- c) Sanitary Sewer Works:
- The Developer is required to:
    - Not start onsite excavation or foundation construction prior to completion of rear yard sanitary works by City crews.
    - Ensure no encroachments of onsite works (proposed trees, buildings, non-removable fences, retaining walls, etc.) into existing sanitary right-of-way along north property line of subject site.
  - At Developer's cost, the City is to:
    - Cut and cap, at main, the existing sanitary service connection remove inspection chamber SIC15772.
    - Install three new sanitary service connections complete with inspection chambers. Or, alternatively, two new sanitary service connections with one located at the adjoining property line of two of the newly subdivided lots with dual service laterals.
- d) Frontage Improvements:
- Construct a new 1.5 m wide concrete sidewalk at the new property line. The new sidewalk is to connect to the existing sidewalk north and south of the subject site.
  - Remove the existing sidewalk and backfill the area between the curb and the new sidewalk to provide a minimum 1.5 m wide grass boulevard with street trees. The boulevard width is exclusive of the 0.15 m wide curb.
  - All existing driveways along the Railway Avenue development frontage are to be closed permanently. The developer is responsible for the removal of the existing driveway let-downs and the replacement with barrier curb/gutter, boulevard and concrete sidewalk per standards described above.
  - Construct a new shared driveway to City design standards: 6.0 m wide at the property line with 0.9 m flares at the curb and 45° offsets to meet the grade of sidewalk/boulevard. The driveway width is to be kept at 6.0 m for a distance of 6.0 m from the back of the sidewalk to allow for two vehicles in opposite directions to pass. The driveway can be tapered at a 5:1 transition to a minimum width of 4.0 m (wider if garbage and recycling collection is provided door to door).
  - Provide special stamped/tinted concrete treatment for the sidewalk across the driveway to better highlight the driveway for pedestrians.
  - Relocate/upgrade the existing streetlights along Railway Avenue as required by the proposed sidewalk/driveway and to meet lighting requirements. Consult Engineering on other utility requirements as part of the frontage works.
  - Consult Parks on the requirements for tree protection/placement including tree species and spacing as part of the frontage works.
  - Coordinate with BC Hydro, Telus and other private communication service providers
    - To relocate/underground the existing overhead poles and lines as required to prevent conflict with the proposed frontage works (i.e. sidewalk and boulevard).
    - When relocating/modifying any of the existing power poles and/or guy wires within the property frontages.
    - To underground overhead service lines.

- To determine if above ground structures are required and coordinate their locations (e.g. Vista, PMT, LPT, Shaw cabinets, Telus Kiosks, etc). These should be located onsite.
- e) General Items:
- The Developer is required to:
    - Provide, within the building permit application, a geotechnical assessment of preload and soil preparation impacts on the existing utilities fronting the development site (i.e. AC water main on Railway Avenue, and rear-yard sanitary main) 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, 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.

**Prior to a Development Permit\* issuance, the developer is required to complete the following:**

1. Submission of a Landscaping Security based on 100% of the cost estimate provided by the landscape architect.

**At Subdivision\* stage, the developer must complete the following requirements:**

1. Payment of the current year's taxes, Development Cost Charges (City and GVS & DD), School Site Acquisition Charge, and Address Assignment Fees.
2. Registration of a cross-access easement over the driveway, drive aisle, and visitor parking stall shared between the two northern lots.

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

1. Installation of appropriate tree protection fencing around all trees to be retained as part of the development prior to any construction activities, including building demolition, occurring on-site.

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

1. 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.
2. Incorporation of accessibility measures in Building Permit (BP) plans as determined via the Rezoning and/or Development Permit processes.
3. If applicable, payment of latecomer agreement charges, plus applicable interest associated with eligible latecomer works.
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 owner 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.

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Signed

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Date



Richmond Zoning Bylaw 8500
Amendment Bylaw 10060 (RZ 17-771371)
11480 and 11500 Railway Avenue

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

- 1. The Zoning Map of the City of Richmond, which accompanies and forms part of Richmond Zoning Bylaw 8500, is amended by repealing the existing zoning designation of the following area and by designating it "ARTERIAL ROAD TWO-UNIT DWELLINGS (RDA)".

P.I.D. 004-024-621

The Northerly 64 Feet of Lot 459 Section 1 Block 3 North Range 7 West New Westminster District Plan 46318

P.I.D. 004-024-460

Lot 459 Except the Northerly 64 Feet Section 1 Block 3 North Range 7 West New Westminster District Plan 46318

- 2. This Bylaw may be cited as "Richmond Zoning Bylaw 8500, Amendment Bylaw 10060".

FIRST READING

JUL 22 2019

A PUBLIC HEARING WAS HELD ON

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

ADOPTED

Approval stamp: CITY OF RICHMOND, APPROVED by [Signature], APPROVED by Director or Solicitor [Signature]

MAYOR

CORPORATE OFFICER