



## Planning Committee

Anderson Room, City Hall  
6911 No. 3 Road

Tuesday, September 20, 2016  
4:00 p.m.

Pg. #      ITEM

### MINUTES

**PLN-7**      *Motion to adopt the **minutes** of the meeting of the Planning Committee held on September 7, 2016.*



### NEXT COMMITTEE MEETING DATE

October 4, 2016, (tentative date) at 4:00 p.m. in the Anderson Room

### COMMUNITY SERVICES DIVISION

1. **ADULT BASIC EDUCATION FEES**  
(File Ref. No. 07-3000-01) (REDMS No. 4924707 v. 4)

**PLN-14**

**See Page PLN-14 for full report**

*Designated Speaker: Lesley Sherlock*

### STAFF RECOMMENDATION

*That a letter, as attached, be written to the Premier of British Columbia respectfully requesting that consideration be given to reinstating tuition-free status for BC adult students enrolled in Grade 10, 11 and 12 Adult Basic Education programs.*



PLANNING AND DEVELOPMENT DIVISION

2. **APPLICATION BY YUANHENG SEAVIEW DEVELOPMENTS LTD & YUANHENG SEASIDE DEVELOPMENTS LTD FOR REZONING AT 3031, 3211, 3231, 3291, 3311, 3331, 3351 NO. 3 ROAD, 8151 CAPSTAN WAY, AND 8051 AND 8100 RIVER ROAD FROM AUTO-ORIENTED COMMERCIAL (CA), MARINA (MA2), AND HOTEL COMMERCIAL (ZC160 – CAPSTAN VILLAGE (CITY CENTRE) TO RESIDENTIAL / LIMITED COMMERCIAL AND COMMUNITY AMENITY (ZMU30) – CAPSTAN VILLAGE (CITY CENTRE) (ZMU30) AND SCHOOL AND INSTITUTIONAL USE (SI)**  
(File Ref. No. 12-8060-20-009593/9594; RZ 12-603040) (REDMS No. 5163818)

PLN-26

See Page PLN-26 for full report

*Designated Speaker: Wayne Craig*

STAFF RECOMMENDATION

- (1) *That Official Community Plan Amendment Bylaw 9593, including:*
- (a) *in Schedule 1 of Official Community Plan Bylaw 9000, to redesignate 8051 River Road from "Mixed Use" to "Park" and 8100 River Road from "Park" to "Mixed Use" in Attachment 1; and*
  - (b) *in Schedule 2.10 (City Centre Area Plan), to amend the existing land use designation in the Generalized Land Use Map (2031), Specific Land Use Map: Capstan Village (2031), and reference maps throughout the Plan to relocate park and road within the area bounded by Sea Island Way, No. 3 Road, Capstan Way, and the Middle Arm of the Fraser River and designate the subject site as "Institution", together with related minor map and text amendments;*
- be introduced and given first reading;*
- (2) *That Bylaw 9593, having been considered in accordance with OCP Bylaw Preparation Consultation Policy 5043, is hereby found not to require further consultation;*
- (3) *That Bylaw 9593, having been considered in conjunction with:*
- (a) *the City's Financial Plan and Capital Program; and*
  - (b) *the Greater Vancouver Regional District Solid Waste and Liquid Waste Management Plans;*
- is hereby found to be consistent with said program and plans, in accordance with Section 477(3)(a) of the Local Government Act;*

- (4) *That Richmond Zoning Bylaw 8500, Amendment Bylaw 9594 to create the “Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30)” zone, and to rezone 3031, 3211, 3231, 3291, 3311, 3331, 3351 No. 3 Road, 8151 Capstan Way, and 8051 and 8100 River Road from “Auto-Oriented Commercial (CA)”, “Marina (MA2)”, and “Hotel Commercial (ZC160 – Capstan Village (City Centre))” to “Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30)” and “School and Institutional Use (SI)”, be introduced and given first reading; and*
- (5) *That the YuanHeng Riverfront Park Conceptual Plan, as described in the report, dated September 15, 2016, from the Director of Development, be approved.*



3. **APPLICATION BY RICK BOWAL FOR REZONING AT 7531 WILLIAMS ROAD FROM SINGLE DETACHED (RS1/E) TO COMPACT SINGLE DETACHED (RC2)**

(File Ref. No. 12-8060-20-009599; RZ 15-712649) (REDMS No. 5155063)

PLN-214

See Page PLN-214 for full report

*Designated Speaker: Wayne Craig*

**STAFF RECOMMENDATION**

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9599, for the rezoning of 7531 Williams Road from “Single Detached (RS1/E)” to “Compact Single Detached (RC2)”, be introduced and given first reading.*



4. **APPLICATION BY RICK BOWAL FOR REZONING AT 7511 WILLIAMS ROAD FROM SINGLE DETACHED (RS1/E) TO COMPACT SINGLE DETACHED (RC2)**

(File Ref. No. 12-8060-20-009600; RZ 15-712653) (REDMS No. 5155141)

PLN-229

See Page PLN-229 for full report

*Designated Speaker: Wayne Craig*

STAFF RECOMMENDATION

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9600, for the rezoning of 7511 Williams Road from “Single Detached (RS1/E)” to “Compact Single Detached (RC2)”, be introduced and given first reading.*



5. **APPLICATION BY JASON MINARD FOR A ZONING TEXT AMENDMENT AT 5411 MONCTON STREET TO ADD “ADULT DAY CARE” AS A PERMITTED USE TO THE CONGREGATE HOUSING (ZR4) – STEVESTON ZONE**

(File Ref. No. 12-8060-20-009607; ZT 16-737142) (REDMS No. 5129846 v. 3)

PLN-244

See Page PLN-244 for full report

*Designated Speaker: Wayne Craig*

STAFF RECOMMENDATION

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9607, to amend the “Congregate Housing (ZR4) – Steveston” zone to allow an adult day care program as a secondary permitted use along with congregate care in the existing facility and amended parking requirements for the facility, be introduced and given first reading.*



6. **APPLICATION BY 0906559 B.C. LTD. FOR REZONING AT 4720/4740 LARKSPUR AVENUE FROM SINGLE DETACHED (RS1/E) TO SINGLE DETACHED (RS2/B)**

(File Ref. No. 12-8060-20-009608; RZ 16-731886) (REDMS No. 5128123)

PLN-256

See Page PLN-256 for full report

*Designated Speaker: Wayne Craig*

STAFF RECOMMENDATION

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9608, for the rezoning of 4720/4740 Larkspur Avenue from “Single Detached (RS1/E)” to “Single Detached (RS2/B)”, be introduced and given first reading.*





7. **APPLICATION BY NEW HORIZON DEVELOPMENTS LTD. FOR REZONING AT 7340/7360 LANGTON ROAD FROM SINGLE DETACHED (RS1/E) TO SINGLE DETACHED (RS2/B)**  
(File Ref. No. 12-8060-20-009609; RZ 16-734207) (REDMS No. 5086251)

PLN-275

See Page PLN-275 for full report

*Designated Speaker: Wayne Craig*

STAFF RECOMMENDATION

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9609, for the rezoning of 7340/7360 Langton Road from “Single Detached (RS1/E)” to “Single Detached (RS2/B)”, be introduced and given first reading.*



8. **APPLICATION BY GREG KLEMKE FOR REZONING AT 9771 SEAVALE ROAD FROM SINGLE DETACHED (RS1/E) TO SINGLE DETACHED (RS2/B)**  
(File Ref. No. 12-8060-20-009611; RZ 16-722173) (REDMS No. 5137850)

PLN-290

See Page PLN-290 for full report

*Designated Speaker: Wayne Craig*

STAFF RECOMMENDATION

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9611, for the rezoning of 9771 Seavale Road from “Single Detached (RS1/E)” to “Single Detached (RS2/B)”, be introduced and given first reading.*



9. **RICHMOND COMMENTS: METRO VANCOUVER’S (MV) PROPOSED FIVE YEAR REVIEW OF THE 2040 REGIONAL GROWTH STRATEGY (RGS)**  
(File Ref. No.) (REDMS No. 5158838)

PLN-308

See Page PLN-308 for full report

*Designated Speaker: Terry Crowe*

STAFF RECOMMENDATION

*That Council advise the Metro Vancouver (MV) Board that it supports the Board’s proposed five year review of the 2040 Regional Growth Strategy (RGS) and at this time does not propose any RGS amendments.*



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ITEM

10. **MANAGER'S REPORT**

ADJOURNMENT





## Planning Committee

Date: Tuesday, September 7, 2016

Place: Anderson Room  
Richmond City Hall

Present: Councillor Linda McPhail, Chair  
Councillor Bill McNulty  
Councillor Carol Day  
Councillor Harold Steves

Absent: Councillor Chak Au

Call to Order: The Chair called the meeting to order at 4:00 p.m.

### MINUTES

It was moved and seconded

*That the minutes of the meeting of the Planning Committee held on July 19, 2016, be adopted as circulated.*

**CARRIED**

### NEXT COMMITTEE MEETING DATE

September 20, 2016, (tentative date) at 4:00 p.m. in the Anderson Room

### PLANNING AND DEVELOPMENT DIVISION

1. **APPLICATION BY VOLODYMYR ROSTOTSKYY AND MAUNG HLA WIN FOR REZONING AT 8300/8320 ST. ALBANS ROAD FROM SINGLE DETACHED (RS1/E) TO SINGLE DETACHED (RS2/B)**  
(File Ref. No. 12-8060-20-009566; RZ 15-702268) (REDMS No. 5006224)

Wayne Craig, Director, Development, reviewed the application, noting that there will be no site access from the portion of the property bordering the adjacent school during the demolition and construction stages.

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It was moved and seconded

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9566, for the rezoning of 8300/8320 St. Albans Road from "Single Detached (RS1/E)" to "Single Detached (RS2/B)", be introduced and given first reading.*

**CARRIED**

**2. APPLICATION BY JAGTAR SIHOTA FOR REZONING AT 10760/10780 BIRD ROAD FROM SINGLE DETACHED (RS1/E) TO SINGLE DETACHED (RS2/B)**

(File Ref. No. 12-8060-20-009576; RZ 12-600638) (REDMS No. 4803966)

Mr. Craig briefed Committee on the proposed development, noting that (i) access to the site will be through a shared driveway from Bird Road, (ii) site access via Shell Road is not ideal because Shell Road is an arterial road and there is a jet fuel line in proximity to the site, (iii) a 6 metre wide front yard is proposed for each lot, and (iv) should the application proceed, notification will be sent prior to the Public Hearing.

It was moved and seconded

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9576, for the rezoning of 10760/10780 Bird Road from "Single Detached (RS1/E)" to "Single Detached (RS2/B)", be introduced and given first reading.*

**CARRIED**

**3. APPLICATION BY MTM DEVELOPMENTS LTD. FOR REZONING AT 2280 MCLENNAN AVENUE FROM THE "SINGLE DETACHED (RS1/D)" ZONE TO THE "SINGLE DETACHED (RS2/B)" ZONE**

(File Ref. No. 12-8060-20-009578; RZ 15-706060) (REDMS No. 5121692)

Mr. Craig reviewed the application, noting that three trees will be replanted in each lot and a cash contribution will be provided to satisfy tree replacement requirements. He added that seven trees along the Bridgeport Trail will be removed due to their poor condition and that the Parks Department will be receiving compensation to facilitate replacement planting on City property.

It was moved and seconded

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9578, for the rezoning of 2280 McLennan Avenue from the "Single Detached (RS1/D)" zone to the "Single Detached (RS2/B)" zone, be introduced and given first reading.*

**CARRIED**

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4. **APPLICATION BY DOD CONSTRUCTION LTD. FOR REZONING AT 3360/3380 BLUNDELL ROAD FROM TWO-UNIT DWELLINGS (RD1) TO SINGLE DETACHED (RS2/B)**

(File Ref. No. 12-8060-20-009579; RZ 15-710447) (REDMS No. 5009419)

Discussion ensued with regard to the number of duplex lots in the city that can be potentially subdivided.

In reply to queries from Committee, Mr. Craig remarked that the section of Blundell Road fronting the subject site is not considered to be an arterial road so a shared driveway will not be pursued for the proposed development.

It was moved and seconded

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9579, for the rezoning of 3360/3380 Blundell Road from "Two-Unit Dwellings (RD1)" to "Single Detached (RS2/B)", be introduced and given first reading.*

**CARRIED**

5. **APPLICATION BY RAV BAINS FOR REZONING AT 9131 DOLPHIN AVE FROM SINGLE DETACHED (RS1/B) TO SINGLE DETACHED (RS2/K)**

(File Ref. No. 12-8060-20-009595; RZ 16-730029) (REDMS No. 5062414)

It was moved and seconded

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9595, for the rezoning of 9131 Dolphin Avenue from "Single Detached (RS1/B)" to "Single Detached (RS2/K)", be introduced and given first reading.*

**CARRIED**

6. **APPLICATION BY 1075501 BC LTD. FOR REZONING AT 11600 WILLIAMS ROAD FROM SINGLE DETACHED (RS1/E) TO COMPACT SINGLE DETACHED (RC2)**

(File Ref. No. 12-8060-20-009596; RZ 16-734087) (REDMS No. 5101934)

Mr. Craig reviewed the application, noting that approximately 80% of development applications are providing secondary suites instead of a cash contribution. He added that all future rezoning applications considered by Planning Committee will now be subject to the recently updated housing requirements regarding the provision of secondary suites.

It was moved and seconded

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9596, for the rezoning of 11600 Williams Road from "Single Detached (RS1/E)" to "Compact Single Detached (RC2)", be introduced and given first reading.*

**CARRIED**

3.

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**7. APPLICATION BY KANWAR SODHI FOR REZONING AT 7200 RAILWAY AVENUE FROM SINGLE DETACHED (RS1/E) TO COACH HOUSES (RCH1)**

(File Ref. No. 12-8060-20-009598; RZ 15-710175) (REDMS No. 5121136)

In reply to queries from Committee, Mr. Craig noted that the applicant opted to have a balcony instead of at-grade outdoor space for the coach house and that if a balcony is provided, the balcony must be oriented towards the lane.

It was moved and seconded

*That Richmond Zoning Bylaw 8500, Amendment Bylaw 9598, for the rezoning of 7200 Railway Avenue from "Single Detached (RS1/E)" to "Coach Houses (RCH1)", be introduced and given first reading.*

**CARRIED**

Opposed: Cllr. Day

**8. APPLICATION BY DAGNEAULT PLANNING CONSULTANTS LTD. FOR AN AGRICULTURAL LAND RESERVE NON-FARM USE (SUBDIVISION) AT 7341 AND 7351 NO. 5 ROAD**

(File Ref. No. AG 16-732022) (REDMS No. 5093413 v. 2)

John Hopkins, Planner 3, reviewed the application, noting that the proposed adjustment of lot geometry will allow for more efficient siting of future buildings.

In reply to queries from Committee, Mr. Craig advised that a zoning change may restrict the allowable building size on-site; however no rezoning application specific to the subject site has been submitted. He added that should the application proceed, Council Minutes including Council's resolution to endorse the application, the staff report, and accompanying documents will be sent to the Agricultural Land Commission (ALC) for their consideration.

It was moved and seconded

*That authorization for Dagneault Planning Consultants Ltd. to make a non-farm use application to the Agricultural Land Commission to allow a subdivision to adjust the lot lines at 7341 and 7351 No. 5 Road be granted.*

**CARRIED**

**9. MANAGER'S REPORT**

***Gardens Development Site***

Mr. Craig advised that Townline Group will be hosting a public consultation session scheduled for September 13, 2016 at the South Arm Community Centre regarding a development permit application at the Gardens site.

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The Chair advised that Update of Large Homes on the Agricultural Land Reserve will be considered as Item No. 9A and Shared Driveways will be considered as Item No. 9B.

**9A. UPDATE ON LARGE HOMES ON THE AGRICULTURAL LAND RESERVE**

(File Ref. No.)

Joe Erceg, General Manager, Planning and Development, updated Committee on concerns related to the development of large homes on the Agricultural Land Reserve (ALR), noting that the City has sent the Minister of Agriculture and the Agricultural Land Commission Chair letters on the matter and that staff will follow up in the upcoming weeks.

Discussion ensued with regard to a farm property that is listed for sale along Sidaway Road (attached to and forming part of these minutes as Schedule 1).

As a result of the discussion, the following **referral motion** was introduced:

It was moved and seconded

***That staff investigate the listed property at 9331 Sidaway Road if there are two separate lots and the possibility to build two separate homes on-site and what can be expected if the sale proceeds, and report back.***

The question on the motion was not called as discussion ensued with regard to addressing the issue of large homes on the ALR at the Provincial level.

In reply to queries from Committee, Mr. Erceg and Terry Crowe, Manager, Policy Planning, noted that the issue of large homes on the ALR extend to other municipalities and that copies of the letters sent to the Minister of Agriculture and the ALC Chair were sent to Metro Vancouver municipalities.

The question on the referral motion was then called and it was **CARRIED**.

Discussion then took place with regard to past action taken by Metro Vancouver municipalities to address large homes on the ALR and the potential effects of the 15% tax for foreign property buyers recently introduced by the Province.

**9B. SHARED DRIVEWAYS**

(File Ref. No.)

Discussion ensued with regard to the positive effects of shared driveways and ways to encourage shared driveways in new developments.

In reply to queries from Committee, Mr. Craig remarked that shared driveways are pursued under certain traffic conditions and that staff will bring forward more information and recommendations on the matter.

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**ADJOURNMENT**

It was moved and seconded

*That the meeting adjourn (4:39 p.m.).*

**CARRIED**

Certified a true and correct copy of the  
Minutes of the meeting of the Planning  
Committee of the Council of the City of  
Richmond held on Tuesday, September 7,  
2016.

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Councillor Linda McPhail  
Chair

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Evangel Biason  
Legislative Services Coordinator



Schedule 1 to the Minutes of the Planning Committee meeting of Richmond City Council held on Tuesday, September 7, 2016.



**25 ACRE BLUEBERRY FARM**  
**825 FOOT FRONTAGE**

PLN - 13



**9331 SIDAWAY ROAD, RICHMOND**

Amazing opportunity to own almost 25 acres of farmland with amazing frontage of 825' x 1300' on prestigious Sidaway Road! This great INCOME PRODUCING property includes a huge fully irrigated blueberry farm that cover approximately 22.5 acres of the land, house with 5 bedrooms, den, 4.5 bathrooms, 4216 SF & a large detached 53' x 41' barn. Possibility to build 2 homes on the property in an area surrounded by multi-million dollar homes and Estates. Just 2 properties North of the Mylora Golf Course. Excellent investment on one of the best farmland & streets in Richmond!

**\$8,500,000**

*Real Estate Weekly Aug 24, 2016*





# City of Richmond

## Report to Committee

**To:** Planning Committee  
**From:** Cathryn Volkering Carlile  
General Manager, Community Services  
**Re:** Adult Basic Education Fees

**Date:** August 22, 2016  
**File:** 07-3000-01/2016-Vol  
01

### Staff Recommendation

That a letter as attached be written to the Premier of British Columbia respectfully requesting that consideration be given to reinstating tuition-free status for BC adult students enrolled in Grade 10, 11 and 12 Adult Basic Education programs.

Cathryn Volkering Carlile  
General Manager, Community Services

Att. 3

REPORT CONCURRENCE		
<b>ROUTED TO:</b>	<b>CONCURRENCE</b>	<b>CONCURRENCE OF GENERAL MANAGER</b>
Intergovernmental Relations & Protocol Unit	<input checked="" type="checkbox"/>	
<b>REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE</b>	<b>INITIALS:</b> DW	<b>APPROVED BY CAO</b> 

## Staff Report

### Origin

In September 2015 the Richmond Community Services Advisory Committee (RCSAC) sent a Communication Tool to Council regarding “Adult Basic Education Courses No Longer Free” (Attachment 1). As of May 2015, graduated adults were no longer able to take Adult Basic Education (ABE) courses free of charge to upgrade their education in order to qualify for post-secondary education or training. As the fee requirement may present a significant obstacle to those seeking to improve their earnings, particularly to low-income individuals and families including those served by RCSAC member agencies, the RCSAC advised Council to request that the Province reverse this policy change and to “explore alternatives” with the Richmond School Board.

At the November 3, 2015 Planning Committee Meeting, following discussion of the RCSAC Communication Tool regarding ABE courses, it was resolved:

*That the matter be referred to staff and to the Council/School Board Liaison Committee and that information be provided on:*

- (1) funding changes to the Adult Basic Education Program; and*
- (2) action taken by Richmond School District No. 38 to address funding changes to the Adult Basic Education Program; and report back to Planning Committee.*

This report supports Council’s 2014-2018 Term Goal #2 A Vibrant, Active and Connected City:

*Continue the development and implementation of an excellent and accessible system of programs, services, and public spaces that reflect Richmond’s demographics, rich heritage, diverse needs, and unique opportunities, and that facilitate active, caring, and connected communities.*

This report also supports the following Social Development Strategy actions:

*Action 41 – Develop and maintain strong networks and communication channels with senior government partners to seek their policy and financial assistance in addressing Richmond social issues.*

*Action 41 – Participate in joint planning and networking initiatives with community partners (e.g. Richmond School District, Vancouver Coastal Health, Metro Vancouver, non-profit agencies), working collaboratively to address social development concerns in the community.*

## Findings of Fact

### Adult Basic Education and Fee Requirements

Adult Basic Education (ABE) was established in the early 1960s to ensure that adults (18 years of age and over) have access to courses and skills training leading to basic literacy, employability, life management skills, high school graduation and eligibility for post-secondary education. As identified in the BC Ministry of Advanced Education ABE Articulation Handbook (2015/16 Edition):

*These programs provide flexible learning opportunities for adult learners and are designed for the large number of British Columbians in need of basic skills or language training to participate fully in society and the economy.*

Registration for ABE courses is open to students who (1) are working toward high school graduation, or (2) have already attained high school graduation, but are seeking to improve their grades or take pre-requisite courses to qualify for post-secondary programs. ABE courses are offered by both BC school districts and public post-secondary institutions, including on-line and distance education. Courses are categorized as Fundamental, Intermediate, Advanced, or Provincial Level and are offered in a number of disciplines, including English, Science, Mathematics, and Social Sciences as well as specialized programs such as Literacy Fundamentals, Computer Studies, Education and Career Planning, and Indigenous ABE.

A brief chronology of the history of fee requirements for ABE follows.<sup>1</sup>

- In 1988, as recommended by the BC Royal Commission on Education, tuition fees for adult learners enrolled in ABE programs offered by school districts, who had not graduated, were abolished.
- In 1991, as recommended by the Provincial Literacy Advisory Committee, tuition fees for adult learners enrolled in ABE courses offered by school districts were abolished, regardless of graduation status.
- In 1995, as recommended by the BC Ministry of Education/Ministry of Skills, Training and Labour Joint Committee on ABE, ABE was also made tuition-free in public post-secondary institutions as well as through distance and online courses.
- In 2003, public post-secondary institutions were “given autonomy” to charge tuition fees for graduated students taking ABE, resulting in fees being re-introduced as the Province no longer covered the cost. Adult Literacy (fundamental English, Mathematics and Computer Studies courses) and employment preparation programs remained free.
- In 2008, in response to the Premiers’ Advisory Panel on Literacy recommendations, public post-secondary institutions as well as school district students were again given

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<sup>1</sup> BC Ministry of Advanced Education, Adult Basic Education: A Guide to Upgrading in British Columbia’s Public Post-Secondary Institutions, An Articulation Handbook, 2015/16 Edition.

access to tuition-free ABE regardless of graduation status under the “Education Guarantee” program.

- In December 2014, the BC Minister of Education announced that graduated adults would be required to pay for ABE credits, applicable to all institutions. Adults without graduation status would still be exempt from payment.
- In January 2015, ABE tuition fees were reinstated for graduated students at public post-secondary institutions, up to a maximum tuition cost of \$1,600 per semester of full time studies.
- In May 2015, ABE tuition fees were also reinstated at school districts for graduated students enrolled in academic upgrading courses, although Adult Literacy courses were still available free-of-charge.

As indicated, both school district and public post-secondary institutions no longer receive provincial support to offer ABE courses free of charge to graduated adults, with the exception of school district Adult Literacy courses. School District 38 Continuing Education staff provided the following clarification.

*BC Ministry of Education provides funding for:*

1. *BC Adults who are non-graduated from secondary education*
2. *BC Adults who have graduated but are taking academic courses below Grade 10 level.*
3. *Under 19 year olds who are non-graduated from secondary education*
4. *Under 19 year olds who are graduated from secondary education*

Adults who have attained high school graduation, enrolled in Grade 10, 11 or 12 ABE courses, are now required to pay tuition fees.

#### Adult Upgrading Grant

Adult students meeting income eligibility criteria enrolled in ABE courses may apply for an Adult Upgrading Grant. This grant is only available for attendees of public post-secondary institutions. The Adult Upgrading Grant covers tuition, student fees, books, unsubsidized childcare and transportation. Students whose gross family income and other financial supports fall below designated levels are fully eligible. If income and other supports exceed the eligibility threshold by up to 10%, students are eligible to receive up to 50% of the tuition cost only.

Eligibility for the Adult Upgrading Grant is based on income thresholds scaled to family size. For a family of four, regardless of place of residence in BC, the income eligibility threshold for 2016/17 is \$44,866. In comparison, the Canadian Centre for Policy Alternatives’ 2016 Metro Vancouver Living Wage for a family of four is \$75,130. Given the significant difference between the Adult Upgrading Grant income threshold and the 2016 Metro Vancouver Living Wage income, the cost of adult upgrading courses is likely to present a significant obstacle to enrollment for low-income earners, particularly those residing in Metro Vancouver.

### Advocacy

In June 2015, the BC Teachers Federation (BCTF) published the results of an extensive study, “Adult Education in BC’s Public Schools: Lost Opportunities for Students, Employers, and Society”. The study was based on a survey of working and learning conditions completed by BCTF adult educators around the province. The report noted that the 2008 Provincial “Education Guarantee” had acted as an incentive to upgrading qualifications; graduated adults as a percentage of all adult ABE students increased from 18% in 2009/09 to 55.5% in 2014/15. Statistics Canada data demonstrating that completion of post-secondary education reduces unemployment, increases labour market participation and improves earnings is cited.

The data is further supported by the testimony of teachers in the field. As illustrated in an adult educator’s testimony in an April 30, 2015 Globe and Mail article,

*... students, many working two or three low-paying jobs to put food on the table, were on track to finish their humanities and sciences requirements so they could move on to post-secondary education – for them, a crucial path out of poverty and into better jobs.*

The study concluded that “it is imperative to support Adult Education as a poverty-reduction strategy”.

In April 2016, the Federation of Post-Secondary Educators (FPSE) issued a press release protesting that the Adult Upgrading Grant is considered taxable income, so those receiving a grant one year may be ineligible the next if the grant results in the recipient’s income exceeding the eligibility threshold. FPSE called on the Province to “fix the problem” by restoring free tuition for ABE. Furthermore, according to the FPSE, most ABE programs are not eligible for federal income tax credits.

The Canadian Centre for Policy Alternatives has recently released a report, “Working Poverty in Metro Vancouver” (June 2016). Statistics Canada Tax Filer Data (2006 and 2012) indicates that Richmond has the highest percentage of working poverty in Metro Vancouver. One of the recommendations for the Provincial Government is to:

*ADEQUATELY FUND TRAINING AND EDUCATION, and restore funding for tuition-free adult basic education so that the working poor can access more stable and better-paying jobs.*

The BC Poverty Reduction Coalition, consisting of organizations from throughout BC, was formed to urge the Provincial Government to adopt a comprehensive Poverty Reduction Plan, including increased funding for and greater access to education as one of seven key components. As noted in a BC Poverty Reduction Coalition fact sheet (“Working together for a poverty free BC”),

*Most poor people are working. Poverty in BC is a low wage story: only 3% are on welfare, but 10.7% live below the poverty line. Nearly half (43%) of BC’s poor children live in families where at least one parent has a full-time job.*

On May 24, 2016 Council received a delegation from the BC Poverty Reduction Coalition and the Richmond Poverty Response Committee, resulting in a resolution to advocate to the Province in support of such a Plan, including greater access to education as indicated above. This and similar resolutions will be reviewed at the Union of BC Municipalities (UBCM) Convention in September 2016.

The UBCM has previously forwarded a number of resolutions to the Province advocating for a provincial poverty reduction plan, most recently in 2015. The provincial response expressed that “there are only two ways to address poverty – by growing the economy and creating jobs, and by providing targeted supports for the individuals and families who need them”. The Province also indicated that support for communities participating in the provincial Community Poverty Reduction Strategies Initiative, piloting the development of “local solutions” in eight communities, would continue. As education is a provincial responsibility, it was not part of these local strategies. The UBCM had assisted the Province in administering this program but withdrew in October 2015, concluding that a provincial plan has the greatest potential to address poverty.

### Analysis

As directed in the November 2015 Planning Committee referral, staff were requested for further information about ABE funding changes, and the Council/School Board Liaison Committee for information about relevant action taken by the Richmond School District. At the March 30, 2016 Council/School Board Liaison meeting, the RCSAC and the Richmond School District were requested to provide information about any further developments.

#### 1. Community Service Agencies

The RCSAC requested information from member agencies about the client impact of ABE tuition fee re-instatement. Chimo Community Services Outreach and Advocacy Program staff provided the following comments:

*Not sure if there is a lack of funding but there is definitely a lack of accessibility and awareness, particularly within the immigrant communities. The process to obtain subsidies (e.g. Adult Upgrading Grant, AUG) is not immediately clear and the paperwork can be daunting for most. The system is currently set up so that only well-informed and determined individuals who are keen to seek out these opportunities are able to obtain the financial resources they need, but the reality is that most people who are looking for adult basic education / ESL are not. Settlement services no longer serve naturalized citizens and that leaves a lot of citizens (who are really no better integrated) under the assumption that if they no longer qualify for settlement service then they don't get to attend free ESL classes or other basic education classes anymore.*

*There is lack of services in adult education, most of our clients have to pay for English classes, there are not that many to begin with. One of our clients is trying to finish his Grade 12 and we have been looking for some support for him just with basic math but there is nothing out there.*

In addition, the RCSAC provided information to staff about the Federation of Post-Secondary Educators advocacy regarding the Adult Upgrading Grant outlined above.

The RCSAC has also advocated to Council for a Provincial Poverty Reduction Plan. In a presentation to Planning Committee in February 2016, the RCSAC presented a report, "Municipal Responses to Child and Youth Poverty". In addition to municipal roles, the RCSAC also advised Council to request that the Provincial Government adopt a BC Poverty Reduction Plan with targets and timelines. As proposed by the BC Poverty Reduction Coalition and endorsed by Council (above), such a plan would include greater access to education. The RCSAC report was referred to staff for comment, and a staff report to Committee focusing on municipal actions is scheduled for the last quarter of 2016.

## 2. Richmond School District

In June 2016, the Richmond School District Continuing Education Department provided current ABE enrollment statistics to the Board of Education's Personnel and Finance Committee (Attachment 2). The number of graduated adults enrolled dropped from 84 (2014-2015 school year) to 40 (2015-2016 school year) after the fee requirements were introduced, a decline of over 50%. School district staff considered the elimination of Ministry funding to be the most likely cause of this decrease. Furthermore, the Adult Upgrading Grant is not available to School District students. The Richmond School District charges a total of \$550 per Grade 10, 11 and 12 ABE course.

In response to Council's request for information about Richmond School District actions to address ABE funding changes, staff conveyed that the School District has joined advocacy efforts of the BC School Superintendents' Association and the BC School Trustees Association. For example, in December 2014 the BC School Trustees Association wrote to the Ministry of Education expressing concern about the impact of ABE funding changes on vulnerable adult learners. In April 2016, the same organization passed a motion requesting that School Districts be approved to administer the Adult Upgrading Grant, now limited to public post-secondary institutions, noting that "many students have chosen not to pursue upgrading courses because of the associated fees".

## 3. Kwantlen Polytechnic University

Kwantlen Polytechnic University (KPU) (4 campuses, including Richmond) reported that student enrollment in ABE courses did not decline in 2015/2016. This contrast with Richmond School District declining enrollment may be due to the Adult Upgrading Grant being available to Public Post-Secondary Institution students only. While the number of students receiving the Adult Upgrading Grant is not available, KPU faculty indicated that there has been considerable uptake of the grant, with over \$400,000 administered since the tuition reinstatement. KPU also provides full tuition grants to those whose income exceeds the threshold by up to 10% (the Province funds up to 50%, with KPU providing the rest). Emergency funds are also available for registered students in need.

KPU charges approximately \$400 per ABE course, as well as a \$300 student fee. As indicated, the Adult Upgrading Grant will cover both student and registration fees for those eligible. For



those ineligible for the Adult Upgrading Grant, the cost of taking two Grade 10, 11 or 12 ABE courses at either Richmond School District, or KPU including KPU student fees, would be roughly equivalent.

#### 4. Next Steps

As a range of sources consistently demonstrate the need for reinstatement of funding for graduated adults pursuing ABE at the Grade 10, 11 and 12 levels, staff recommend that a letter be sent to the Province, with copies to Federal counterparts, advocating for such change (Attachment 3). The consideration of Council's and other resolutions urging the Province to adopt a BC Poverty Reduction Plan at the 2016 UBCM Convention will again highlight the need for effective action to assist those with low income, including facilitating access to higher education. With respect to municipal roles supporting low income residents, staff will be reporting back with comments regarding the RCSAC report on Municipal Responses to Child and Youth Poverty in the 4th quarter of 2016. As ABE is not a municipal responsibility, it will not be addressed in the forthcoming report.

#### Financial Impact

None.

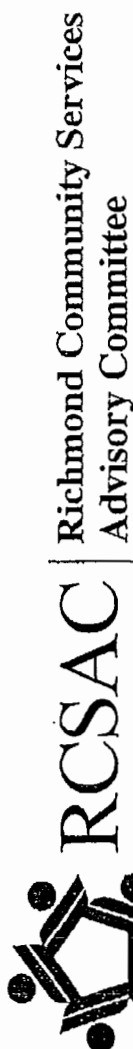
#### Conclusion

Given the notable drop in enrollment in ABE courses by graduated adults in Richmond School District programs and elsewhere in the province; the uptake of the Adult Upgrading Grant experienced by KPU; lack of access to the Adult Upgrading Grant by School District students; the significant discrepancy between Adult Upgrading Grant eligibility thresholds and the Metro Vancouver Living Wage; Statistics Canada Tax Filer data regarding working poverty; and RCSAC comments, as well as the documented effectiveness of education as a poverty-reduction strategy, staff recommend that a letter be sent to the Province respectfully requesting that tuition-free enrollment in ABE programs at the Grade 10, 11 and 12 levels offered by all publicly-funded institutions be reinstated for graduated adults. As ABE is not a municipal responsibility, no further action is recommended.



Lesley Sherlock  
Planner 2  
(604-276-4220)

- Att. 1: RCSAC Communication Tool, "Adult Basic Education Courses No Longer Free"  
2: Richmond Continuing Education ABE Enrolment Figures  
3: Draft Letter to the Premier of British Columbia regarding Adult Basic Education Fees



To: Mayor Brodie and Councillors

From: Daylene Marshall and Alex Nixon, Co-Chairs, RCSAC

CC: Cathy Carlile and Lesley Sherlock

Date: September 10, 2015

Re: Adult Basic Education Courses No Longer Free

Issue	Potential impact	Agency or individuals affected	Suggested action
The BC government advised school districts that effective May 1, 2015 they would no longer cover Adult Basic Education (ABE) courses for Grades 10, 11 and 12 for graduated adults. SD 38 now charges \$550 per course. For a graduated adult (from anywhere in the world) to upgrade in order to enrol in university/ college courses in sciences, engineering, nursing, etc. it will cost up to \$3000 per year. SD 38 Adult Education advises that from 2010-2014, they enrolled 793 graduated adults (avg 198/yr) or about 12% of the total ABE student head count. <a href="http://www.RichmondCE.ca">www.RichmondCE.ca</a>	Richmond community services agencies deal with numerous low-income and/or immigrant clients that do not have the credentials to enter a Canadian university or college. In the past, agencies could counsel and assist clients to enrol in necessary grade school courses and they were free of charge. Now, low-income and/or immigrant adults must pay up to \$3000/year, which brings a substantial financial burden on clients and their families and in turn, a need for longer-term community services. The impact is community agencies will be requesting increased community grant funding from the City of Richmond to provide their services to an expanding client base.	Any Richmond Community Service Agency dealing with clients that are low-income, immigrant and/or refugee individuals and families.	That Richmond City Council take a position and advocate for Richmond community service agencies and urge the government to rollback the ABE directive for graduated adults by: <ul style="list-style-type: none"> <li>• Writing a letter to Premier Christy Clark and the minister of Education on their position;</li> <li>• Engaging and meeting with SD 38 Board of Education Trustees in the meantime to explore alternatives.</li> </ul>



**Report to the Personnel & Finance  
Board of Education (Richmond)  
PUBLIC**

DATE: Monday, June 13, 2016

FROM: Michael Khoo, District Lead Administrator of Continuing Education

SUBJECT: Adult Secondary Graduation – Graduated Adults in Continuing Education

The purpose of this public report to Personnel & Finance PUBLIC is for information only. No further action is required at this time.

**Background**

In September 2008, the Ministry of Education completed the phase in of the Education Guarantee by providing funding for graduated adults who enrolled in Adult Secondary Graduation courses. Adult learners were able to enroll in Ministry courses tuition free through Continuing Education.

**Education Guarantee Discontinued for Grade 10-12 Courses**

In May 2015, the BC Ministry of Education discontinued funding Grade 10-12 courses for Graduated Adults. The BC Ministry of Education defines Graduated as anyone who has met secondary graduation requirement anywhere in the world. An “adult” learner is a student who turns 20 years old or older during the school year.

Since May 2015, Richmond Continuing Education has been charging \$550 per Grade 10-12 course for Graduated Adults. However, Graduated Adults who enroll in Foundation Literacy courses (pre-Grade 10 courses) continue to study tuition free. In Richmond, these courses are called Foundation Language Arts, or FLA courses.

In 2015-2016, most of the 40 Graduated Adults paid \$550 per Grade 10-12 course. Compared 2014-2015, there has been a decrease of 50% in the number of Graduated Adults enrolled. It is likely that the elimination of Ministry funding for Grade 10-12 courses is the main reason for this decrease.

Below are the # of school age students, adults and graduated adults enrolled for the past four years:

School Year	School-Age Students	Adult Students (Graduated Adults)	Total Headcount	Total FTE
2012-2013	291	1,460 (241)	1,751	266
2013-2014	181	1,454 (159)	1,635	246
2014-2015	112	1,390 (84)	1,502	219
2015-2016	102	1,092 (40)	1,194	219

August 22, 2016  
File: 99-Community Services/2016-Vol 01

Community Services Division  
Community Social Development  
Telephone: 604-276-4000  
Fax: 604-276-4132

The Honourable Christy Clark  
Premier of British Columbia  
Office of the Premier  
PO Box 9041 STN PROV GOVT  
Victoria, BC V8W 9E1

Dear Premier Clark:

**Re: Adult Basic Education Fee Reinstatement**

At the regular City of Richmond Council meeting, held on September 26, 2016, Council considered a staff report and correspondence from the Richmond Community Services Advisory Committee (RCSAC) regarding the reinstatement of Adult Basic Education (ABE) fees for graduated adults enrolled in Grade 10, 11 and 12 courses. An excerpt from the Council minutes, as well as the associated report, has been attached for your reference.

As outlined in the attached report, evidence supporting the reinstatement of tuition-free status for all Adult Basic Education courses includes the drop in enrollment in ABE courses by graduated adults in School District programs; the significant discrepancy between Adult Upgrading Grant eligibility thresholds and the 2016 Metro Vancouver Living Wage; Statistics Canada Tax Filer data regarding working poverty; and the documented effectiveness of education as a poverty-reduction strategy.

Richmond City Council also passed a resolution at the regular City of Richmond meeting held on May 24, 2016 advocating that the Provincial Government develop and implement a BC Poverty Reduction Strategy, as previously conveyed by letter dated June 6, 2016. Facilitating access to education would constitute an essential component of any such Strategy.

Given the importance of education as means to reduce poverty and thereby improve quality of life, Council respectfully requests that consideration be given to the reinstatement of tuition-free status for BC adult students enrolled in Grade 10, 11 and 12 Adult Basic Education programs offered by all publicly-funded institutions.

Yours truly,

Malcolm D. Brodie  
*Mayor*

MB:ls

pc: The Honourable Mike Bernier, Minister of Education and Member of the Legislative Assembly  
The Honourable Stephanie Cadieux, Minister for Children and Family Development and Member of the Legislative Assembly  
The Honourable MaryAnn Mihychuk, Minister of Employment, Workforce Development and Labour and Member of Parliament  
The Honourable Jean-Yves Duclos, Minister of Families, Children and Social Development and Member of Parliament  
Ms. Alice Wong, Member of Parliament for Richmond Centre  
Mr. Joe Peschosolido, Member of Parliament for Steveston-Richmond East  
The Honourable Linda Reid, Member of the Legislative Assembly for Richmond East and Speaker of the Legislature  
The Honourable Teresa Wat, Member of the Legislative Assembly for Richmond Centre and Minister for International Trade and Minister Responsible for the Asia Pacific Strategy and Multiculturalism  
Mr. John Yap, Member of the Legislative Assembly for Richmond-Steveston and Parliamentary Secretary for Liquor Reform Policy to the Minister of Small Business, Red Tape Reduction and Minister Responsible for the Liquor Distribution Branch  
Mr. John Horgan, Leader of the Opposition and Member of the Legislative Assembly  
Ms. Debbie Tablotney, Chairperson, Board of Education (Richmond)



**To:** Planning Committee **Date:** September 15, 2016  
**From:** Wayne Craig **File:** RZ 12-603040  
Director, Development  
**Re:** **Application by YuanHeng Seaview Developments Ltd & YuanHeng Seaside Developments Ltd for Rezoning at 3031, 3211, 3231, 3291, 3311, 3331, 3351 No. 3 Road, 8151 Capstan Way, and 8051 and 8100 River Road from Auto-Oriented Commercial (CA), Marina (MA2), and Hotel Commercial (ZC160 – Capstan Village (City Centre) to Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30) and School and Institutional Use (SI)**

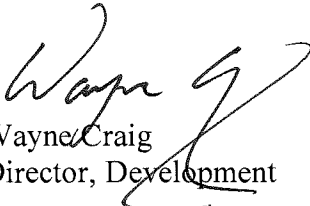
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**Staff Recommendation**

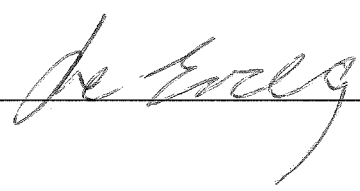
1. That Official Community Plan Amendment Bylaw 9593, including:
  - a) In Schedule 1 of Official Community Plan Bylaw 9000, to redesignate 8051 River Road from "Mixed Use" to "Park" and 8100 River Road from "Park" to "Mixed Use" in Attachment 1; and
  - b) In Schedule 2.10 (City Centre Area Plan), to amend the existing land use designation in the Generalized Land Use Map (2031), Specific Land Use Map: Capstan Village (2031), and reference maps throughout the Plan to relocate park and road within the area bounded by Sea Island Way, No. 3 Road, Capstan Way, and the Middle Arm of the Fraser River and designate the subject site as "Institution", together with related minor map and text amendments;be introduced and given first reading.
2. That Bylaw 9593, having been considered in accordance with OCP Bylaw Preparation Consultation Policy 5043, is hereby found not to require further consultation.
3. That Bylaw 9593, having been considered in conjunction with:
  - the City's Financial Plan and Capital Program;
  - the Greater Vancouver Regional District Solid Waste and Liquid Waste Management Plans;

is hereby found to be consistent with said program and plans, in accordance with Section 477(3)(a) of the Local Government Act.

4. That Richmond Zoning Bylaw 8500, Amendment Bylaw 9594 to create the "Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30)" zone, and to rezone 3031, 3211, 3231, 3291, 3311, 3331, 3351 No. 3 Road, 8151 Capstan Way, and 8051 and 8100 River Road from "Auto-Oriented Commercial (CA)", "Marina (MA2)", and "Hotel Commercial (ZC160 – Capstan Village (City Centre))" to "Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30)" and "School and Institutional Use (SI)", be introduced and given first reading.
5. That the YuanHeng Riverfront Park Conceptual Plan, as described in the report, dated September 15, 2016, from the Director of Development, be approved.

  
Wayne Craig  
Director, Development

WC:sch  
Att.

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Affordable Housing	<input checked="" type="checkbox"/>	
Community Social Development	<input checked="" type="checkbox"/>	
Parks Services	<input checked="" type="checkbox"/>	
Engineering	<input checked="" type="checkbox"/>	
Finance	<input checked="" type="checkbox"/>	
Law	<input checked="" type="checkbox"/>	
Transportation	<input checked="" type="checkbox"/>	

## Staff Report

### Origin

YuanHeng Seaview Developments Ltd & YuanHeng Seaside Developments Ltd have applied to the City of Richmond for permission to rezone lands at 3031, 3211, 3231, 3291, 3311, 3331, 3351 No. 3 Road, 8151 Capstan Way, and 8051 and 8100 River Road, from Auto-Oriented Commercial (CA), Marina (MA2), and Hotel Commercial (ZC160 – Capstan Village (City Centre) to Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30) and School and Institutional Use (SI), to permit the construction of a three-phase, high-rise, high density, mixed use development and City park in the City Centre's Capstan Village area (Attachments 1, 2 & 3). The proposed development includes the following key features:

- a) Three phases (Attachment 4), including:
  - Phase 1 (Seaside South / new Lot A) at the corner of No. 3 Road and Capstan Way;
  - Phase 2 (Seaside North / new Lot B) at the corner of No. 3 Road and Sea Island Way; and
  - Phase 3 (Seaview / new Lot C) along the riverfront;
- b) A combined total floor area of 113,131.8 m<sup>2</sup> (1,217,740.7 ft<sup>2</sup>), including a maximum of:
  - 88,836.0 m<sup>2</sup> (956,222.4 ft<sup>2</sup>) of residential uses in all three phases, containing at least 4,441.8 m<sup>2</sup> (47,811.1 ft<sup>2</sup>) of affordable (low-end market rental) housing constructed to a turnkey level of finish at the developer's sole cost in the development first and second phases and secured with a Housing Agreement (i.e. 5% of total residential floor area, as per the City's Affordable Housing Strategy); and
  - 24,295.8 m<sup>2</sup> (261,518.4 ft<sup>2</sup>) of non-residential uses in Seaside South and North (i.e. none in Seaview), containing a City-owned community centre, 3,106.6 m<sup>2</sup> (33,439.0 ft<sup>2</sup>) in size, constructed to a turnkey level of finish at the developer's sole cost in the development's second phase (Seaside North), together with parking and ancillary uses;
- c) A maximum of 850 dwelling units, including:
  - +/-791 market units distributed across all three phases; and
  - +/- 59 affordable housing units distributed across the development's first two phases;
- d) A 4,276.6 m<sup>2</sup> (1.06 ac) riverfront park (the first stage of Capstan Village's riverfront linear park, which will eventually link south to the Middle Arm Park and Richmond Olympic Oval and north to Bridgeport Village), together with a \$2.6 million voluntary developer contribution towards future City construction of a pier and water access along the park's Middle Arm frontage;
- e) Road network and engineering improvements, including the establishment of a new "East-West Street" linking Corvette Way to No. 3 Road, together with special pedestrian crossing features at No. 3 Road to enhance access to the future Capstan Canada Line station planned for No. 3 Road's east side; and
- f) Voluntary developer contributions for future construction of the Capstan Canada Line station, which contributions will be submitted, phase-by-phase, prior to Building Permit (BP) issuance, based on the approved number of dwellings and the City rate in effect at the time. (Based on the 2016 rate and 850 units, the total contribution is estimated as \$7 million.)



## Staff Report

### Origin

YuanHeng Seaview Developments Ltd & YuanHeng Seaside Developments Ltd have applied to the City of Richmond for permission to rezone lands at 3031, 3211, 3231, 3291, 3311, 3331, 3351 No. 3 Road, 8151 Capstan Way, and 8051 and 8100 River Road, from Auto-Oriented Commercial (CA), Marina (MA2), and Hotel Commercial (ZC160 – Capstan Village (City Centre) to Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30) and School and Institutional Use (SI), to permit the construction of a three-phase, high-rise, high density, mixed use development and City park in the City Centre's Capstan Village area (Attachments 1, 2 & 3). The proposed development includes the following key features:

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  - 24,295.8 m<sup>2</sup> (261,518.4 ft<sup>2</sup>) of non-residential uses in Seaside South and North (i.e. none in Seaview), containing a City-owned community centre, 3,106.6 m<sup>2</sup> (33,439.0 ft<sup>2</sup>) in size, constructed to a turnkey level of finish at the developer's sole cost in the development's second phase (Seaside North), together with parking and ancillary uses;
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- f) Voluntary developer contributions for future construction of the Capstan Canada Line station, which contributions will be submitted, phase-by-phase, prior to Building Permit (BP) issuance, based on the approved number of dwellings and the City rate in effect at the time. (Based on the 2016 rate and 850 units, the total contribution is estimated as \$7 million.)

**Findings of Fact**

A Development Application Data Sheet and Conceptual Development Plans providing details about the subject development proposal are attached (Attachment 5 & 6).

The subject site is comprised of two parts, both of which are vacant. The site was formerly occupied by a hotel (Comfort Inn), a variety of low density, auto-oriented commercial and industrial businesses, and marina parking. As a result of these former uses, both parts of the site required contaminant removal. This work will be completed prior to rezoning adoption and any land or facility transfers to the City. A Tree Removal Permit (T3) was issued by the City on August 12, 2016 to facilitate contaminant removal. Tree replacement security (\$30,000) was submitted by the developer and will be applied to tree replacement in Phase 1 (Seaside South).

**Surrounding Development**

To the North: Sea Island Way, a designated Provincial highway, and highway-oriented commercial properties designated under the CCAP for future development with high-rise, high density hotel, office, and accessory retail.

To the South: Capstan Way, beyond which are low density, commercial properties and marinas zoned Auto-Oriented Commercial (CA) and Marina (MA2) and designated under the CCAP for medium and high density, mid- and high-rise, residential and mixed use development, park, and marina.

To the East: No. 3 Road, beyond which is the proposed location of the future Capstan Canada Line station, a new neighbourhood park (under construction), and the recently completed first phase of a five-phase, high density, high-rise, mixed use development (RZ 10-544729 / RZ 12-610011 / Pinnacle International).

To the West: Middle Arm of the Fraser River and a three-tower, mixed hotel/residential development at 3099, 3111, and 3333 Corvette Way (Wall Centre). This development was constructed prior to the 2009 update to the CCAP; nevertheless, its zoning, Residential/Hotel (ZMU5) – Capstan Village (City Centre), allows for the same height as the CCAP (45 m) and a similar maximum density (3.4 floor area ratio (FAR) versus CCAP 3.5 FAR).

NOTE: At the time Wall Centre was rezoned, the developer agreed to register a legal agreement on title in favour of the Comfort Inn hotel for parking purposes. As this hotel has been demolished, the legal agreement can be discharged. This is addressed in the attached Rezoning Considerations (Attachment 7).

In addition to the above, located between the two parts of the subject site is 8091 Capstan Way. This property, which is vacant, is the subject of a separate rezoning application (RZ 15-699647 / GBL Architects), currently under review, to permit a two-tower, mixed use development (i.e. hotel, retail, office, and residential), generally as per CCAP policy (i.e. 3.5 FAR and 45 m maximum height).

## Related Policies & Studies

Development of the subject site is affected by the City Centre Area Plan (CCAP) and other City policies (e.g., affordable housing). An overview of these considerations is provided in the “Analysis” section of this report.

## 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.

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.

Staff have reviewed the proposed OCP and zoning amendments, with respect to the BC Local Government Act and the City’s OCP Consultation Policy No. 5043 requirements, and recommend that this report does not require referral to external stakeholders. The table below clarifies this recommendation as it relates to the proposed OCP.

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

Stakeholder	Referral Comment (No Referral necessary)
BC Land Reserve Co.	No referral is necessary, as the Land Reserve is not affected.
Richmond School Board	No referral is necessary, as it does not have the potential to generate 50 or more school aged children. (See below)
The Board of the Greater Vancouver Regional District (GVRD)	No referral is necessary, as the Regional District is not affected.
The Councils of adjacent Municipalities	No referral is necessary, as adjacent municipalities are not affected.
First Nations (e.g., Sto:lo, Tsawwassen, Musqueam)	No referral is necessary, as First Nations are not affected.
TransLink	No referral is necessary, as the proposed amendment does not result in road network changes.
Port Authorities (Vancouver Port Authority and Steveston Harbour Authority)	No referral is necessary, as the proposed amendment does not affect port or related uses.
Vancouver International Airport Authority (VIAA) (Federal Government Agency)	No referral is necessary, as the proposed amendments are consistent with the OCP Aircraft Noise Sensitive Development (ANSND) policy.
Richmond Coastal Health Authority	No referral is necessary, as the Health Authority is not affected.
Community Groups and Neighbours	No referral is necessary, but the public will have an opportunity to comment on the proposed amendment at the Public Hearing
All relevant Federal and Provincial Government Agencies	The Ministry of Transportation and Infrastructure (MOTI) has granted preliminary approval for the development for one year as of August 23, 2016. Final MOTI approval is required prior to rezoning adoption.

Richmond Official Community Plan Bylaw 9000, Amendment Bylaw 9494, having been considered in accordance with OCP Bylaw Preparation Consultation Policy 5043, is hereby found to not require further consultation.

## School District

According to OCP Bylaw Preparation Consultation Policy 5043, which was adopted by Council and agreed to by the School District, residential developments which generate less than 50 school aged children do not need to be referred to the School District (e.g., typically around 295 multiple-family dwellings). This application only involves 174 more multi-family dwellings than the approximately 676 achievable under existing CCAP policy (i.e. the proposed site specific zone, ZMU30, limits the maximum number of dwellings on the subject site to 850), which is equivalent to 30 additional school-aged children. (Staff will refer the proposed OCP amendment to the School District as a courtesy.)

## Analysis

YuanHeng Seaview Developments Ltd & YuanHeng Seaside Developments Ltd have applied to rezone a 3.29 ha (8.12 ac) site in Capstan Village comprised of 10 commercial, industrial, and marina lots (all currently vacant) to permit the construction of a three-phase, high density, high-rise development with a total floor area of 113,131.8 m<sup>2</sup> (1,217,740.7 ft<sup>2</sup>), including a 3,106.6 m<sup>2</sup> (33,439.0 ft<sup>2</sup>) City-owned community centre and a City riverfront park. The City Centre Area Plan (CCAP) designates the subject site and surrounding area for pedestrian/transit-oriented, medium and high density, residential and mixed use development, with an emphasis on projects that support City objectives for funding the construction of the future Capstan Canada Line station and the area's growth as the social and recreational hub for the Capstan Village community. A recent rezoning along the east side of No. 2 Road (RZ 12-610011 / Pinnacle), adjacent to the future transit station, has taken a first step towards the area's establishment as a community hub with the approved development of a neighbourhood park and early childhood development centre. The subject development, as proposed, will provide approximately \$7 million towards Capstan station's construction (as per 2016 City-approved rates and 850 dwellings, which numbers will be confirmed at Building Permit stage) and will enhance the area's role as a hub with a proposed community centre, improved vehicle and pedestrian links to the river, and a new riverfront park.

### A. CCAP Amendment

To facilitate the subject development, the applicant has proposed two key amendments to the CCAP, together with corresponding land use designation changes in the OCP and related minor map and text changes in the CCAP. If approved, the proposed amendments would provide for the following:

- a) 25,972.2 m<sup>2</sup> (279,562.4 ft<sup>2</sup>) of additional residential floor area, of which 49% will be located on Seaview, 12,843.2 m<sup>2</sup> (138,243.2 ft<sup>2</sup>), and 51% will be spread across the two Seaside lots, 13,129.0 m<sup>2</sup> (141,319.2 ft<sup>2</sup>);
- b) A 3,106.6 m<sup>2</sup> (33,439.0 ft<sup>2</sup>) City-owned community centre, constructed to a turnkey level of finish in the project's second phase, at the developer's sole cost, to the City's satisfaction, of which 1,849.3 m<sup>2</sup> (19,906 ft<sup>2</sup>) will be provided by the developer over and above what is required under current CCAP policy; and
- c) A 4,276.6 m<sup>2</sup> (1.06 ac) City-owned park and dike, designed and constructed via the City's standard Servicing Agreement processes in the project's third phase, at the developer's sole cost, to the City's satisfaction, as per the YuanHeng Riverfront Park Conceptual Plan (Attachment 7 – Schedule H) and Servicing Agreements requirements with respect to the dike

set out in the Rezoning Considerations (Attachment 7), together with a \$2.6 million voluntary developer contribution (submitted prior to rezoning adoption) for future City construction of a pier and water access along the park's Middle Arm frontage.

The key proposed amendments to the CCAP are as follows:

- a) Amendment #1: On the west portion of the site (Seaview), to redesignate 8051 River Road (i.e. dike lot) from "Marina" to "Park" and 8100 River Road (i.e. upland lot) from "Park" to "Urban Centre T5 (45 m)".
- It is the City's aim to provide continuous public riverfront access along the Middle Arm of the Fraser River; however, achieving this in the vicinity of the subject site is difficult, as existing marinas need the dike for parking and service uses. In recognition of these competing needs, the CCAP currently designates the dike (including 8051 River Road) as "Marina" and "Waterfront Dike Trail" and designates small, upland areas nearby (including 8100 River Road) as "Park".
  - The developer's acquisition of both 8051 and 8100 River Road presents the opportunity to move the designated "Park" to the dike (without any loss in park area) and provide for an enhanced City-owned, public open space amenity. Furthermore, as the developer does not intend on operating a marina, the river in front of the park will be unoccupied, which will provide for unobstructed views of the river and, if so desired by the City, future marina or water recreation uses (subject to the City or others, with the City's approval, entering into a water lease with the Province).
  - As a result of moving the "Park" to the dike, the upland lot is made available for development. The proposed CCAP land use designation for this lot, "Urban Centre T5 (45 m)", will permit multi-family uses to a maximum of 2.0 FAR (plus 0.5 FAR for the Capstan Station Bonus, as per all Capstan Village development sites) and a typical height of 45 m (148 ft.). This designation is similar to that of other Capstan Village lots situated between the dike (existing River Road) and the former railway right-of-way (future road), except that the typical height permitted on those other lots is 25 m (95 ft.). Greater height is appropriate on the subject site because it is located at a point where lower (future) riverfront development will transition to meet the area's three existing riverfront towers (i.e. Wall Centre) and the high-rise, high density development encouraged near the future Capstan Canada Line station. Moreover, the proposed design of Seaview provides for slender towers, underground parking, and a low podium roof deck (i.e. roughly level with the proposed dike crest), which will open up lower-level public and private views across the site, increase sunlight to surrounding streets, and introduce a new built form that will add variety and visual interest to the riverfront.
- b) Amendment #2: On the east portion of the site (Seaside), to add "Institution" to the existing CCAP land use designations (i.e. no existing designations will be removed or revised).
- The CCAP aims to foster a transit-oriented downtown by, among other things, encouraging higher density, mixed use development near the City Centre's existing and proposed Canada Line stations. For this reason, the CCAP currently designates the Seaside portion of the subject site for a maximum density of 3.5 FAR, including a 1.0 FAR Village Centre Bonus (VCB) for commercial uses. Developers utilizing the VCB must design and construct 5% of the Bonus density as community amenity space, to a turnkey level of finish, at the developer's sole cost.

- Through the subject rezoning review process, it was determined that, based on the VCB 5% contribution policy, the developer would be required to construct approximately 1,257.28 m<sup>2</sup> (13,533 ft<sup>2</sup>) of community amenity space, to a turnkey level of finish, at the developer's sole cost (i.e. 5% x 25,145.51 m<sup>2</sup> (270,664 ft<sup>2</sup>)); however, the most pressing City need in the vicinity of the subject site is a community centre for Capstan Village, West Cambie, and Sea Island residents, requiring approximately 3,106.59 m<sup>2</sup> (33,439 ft<sup>2</sup>) of indoor space (i.e. roughly 2.5 times the size of the developer's VCB 5% contribution).
- Under CCAP policy, by designating Seaside as "Institution", together with density bonus provisions in the subject development's proposed site specific zone, ZMU30, and legal agreements registered on title prior to rezoning adoption, the developer will:
  - i. Provide the proposed 3,106.59 m<sup>2</sup> (33,439 ft<sup>2</sup>) City-owned community centre, to the City's satisfaction, at the developer's sole cost; and
  - ii. Be permitted bonus residential floor area (over and above existing CCAP policy).
- The subject Seaside development, including the proposed community centre and bonus residential floor area, is well designed and attractively accommodates the increased floor area and important amenity program requirements, while complying with the intent of the CCAP Development Permit Guidelines and related objectives for urban design, livability, public open space, and other considerations.

## **B. Proposed Zoning**

To facilitate the subject development, including the special community amenity features arising through the proposed CCAP amendment, it is proposed that two zones are applied to the site:

- a) "School and Institutional Use (SI)", which zone will be applied to the proposed City-owned park, as per the City's standard practice; and
- b) "Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30)", to be applied to the residential and mixed use portions of the site. ZMU30 is a site specific zone (prepared solely for the subject site), based on a standard zone, "Residential / Limited Commercial (RCL5)", that provides for the densities and other features typical of Capstan Village development (e.g., Affordable Housing Bonus, Capstan Station Bonus), together with:
  - An additional "Institution" bonus for the provision of the proposed 3,106.6 m<sup>2</sup> (33,439.0 ft<sup>2</sup>) City-owned community centre; and
  - Site specific parking and loading requirements.

## **C. Community Centre**

A new community centre within the Capstan Village area is a much needed amenity for the City Centre community of today and the future. Currently, just one community centre, located in Lansdowne Village (at Minoru Boulevard and Firbridge Way), serves the entirety of the City Centre and the provision rate for City Centre community centre space is only 0.45 m<sup>2</sup> (0.5ft<sup>2</sup>) per resident (i.e. half the City's standard community centre provision rate of 0.9 m<sup>2</sup> (1.0 ft<sup>2</sup>) per resident). To address this, the 2009 Corporate Facilities Implementation Plan (CFIP) and the CCAP call for one or more additional City Centre community centres, specifically including one to serve the planning area's north end.

The Capstan Village neighbourhood is currently small, but growing rapidly and expected to reach approximately 16,000 residents by build out. The community centre, proposed as part of the subject development's second phase, is targeted for completion in 2020, by which time Capstan Village is projected to have over 2,500 dwellings and more than 5,250 residents. A community centre in the Capstan Village neighbourhood will be able to serve this growing population, as well as residents in nearby West Cambie and others on Sea Island. In addition, as the proposed facility will be situated close to the future Capstan Canada Line station, it will be able to serve residents from throughout the City Centre.

In order to clarify the value the proposed amenity offers the City, program development has been completed, taking into consideration the following key factors:

- Projected demographics;
- Geographic context;
- Local amenities;
- Trends and best practises in recreation facility design; and
- Feedback from past community consultations, including the extensive community consultation programs conducted for the existing City Centre Community Centre and the Minoru Complex.

Based on this, a Vision, Program Plan, Program Details, and Conceptual Plan have been prepared for the proposed community centre. Details of this information are provided in the Community Centre Terms of Reference and Community Centre Conceptual Plan contained in the Rezoning Considerations attached to this report (Attachment 7 – Schedules F & G), together with supporting reference documents. A summary of this information is as follows:

a) Vision: The facility is envisioned as a “Village Square” that will facilitate programs and services for all ages and abilities for Capstan Village and surrounding neighbourhoods. Moreover, it will:

- Become the heart of the community;
- Provide a unique gathering place;
- Contribute towards the development of a vibrant, active urban community; and
- Meet the recreation program and service needs of a growing and diverse population.

b) Program Plan: Building on the “Village Square” concept, the Program Plan is comprised of a broad range of community recreation programs and services, including:

- Sport activities, such as volleyball, basketball, parkour training, indoor soccer, and walking;
- Dance programs, including ballet, hip hop, ballroom, and Bhangra;
- Community events, including indoor movie nights, markets, and exhibitions;
- Creative pursuits, including multi-media production, music, robotics, painting, ceramics, and 3D modeling;
- Informal activities such as cooking, reading, homework clubs, and internet browsing; and
- Opportunities to meet and socialize with neighbours, friends, and the broader community.

c) Program Details: The proposed facility will include the following spaces:

- Village Square /Sports Hall (gymnasium);
- Activity track and activity room;
- Three multipurpose rooms of varying sizes and finishes;
- Wet art studio and creativity lab;



- Children's exploration room;
- Kitchen;
- Community gathering spaces; and
- Circulation and support spaces.

d) Conceptual Plan: The proposed community centre is envisioned as a two-storey, "stand-alone" facility located just off No. 3 Road, on the south frontage of the development's northern block (Seaside North), where it will have good visibility and easy pedestrian access to the future Canada Line station, while enjoying the benefits of being on a quieter side street with proximity to the proposed riverfront park. Key features of the Conceptual Plan include:

- A large gymnasium with 9.1 m (30 ft.) clear ceilings and support spaces (e.g., kitchen, change rooms, multi-purpose rooms, lobby, plaza) enabling it to host a broad range of sports, recreation, and community activities and events;
- Special facilities (e.g., children's exploration room, activity track, creativity lab and wet art room) that will contribute towards the community centre becoming as a unique recreational amenity, complementary to other City Centre facilities;
- 74 parking spaces reserved for community centre use, including 54 for exclusive use and 20 for shared use (e.g., community centre use after 6 pm weekdays and all day on weekends);
- High performance building standards, as per City policy for new City buildings, including LEED Gold certification;
- Public art, funded by the developer through the City's voluntary developer contribution program, based on a budget of 1% of estimated facility construction costs; and
- City ownership of the community centre in the form of an Air Space Parcel, together with easements and statutory right-of-ways to secure parking, loading, and related features.

#### **D. Riverfront Park & Dike**

The proposed 4,276.6 m<sup>2</sup> (1.06 ac) riverfront park and dike are an extension of the City's approved trail and park strategy for the Middle Arm of the Fraser River from Terra Nova to Duck Island. The design and construction of the park, together with raising of the dike crest to 4.7 m (15.4 ft.) GSC, environmental mitigation and compensation, and related government and regulatory approvals, will be undertaken in the development's third phase, at the developer's sole cost, to the satisfaction of the City via the City's standard Servicing Agreement processes. In addition, prior to rezoning adoption, the developer proposes to provide a \$2.6 million voluntary cash-in-lieu contribution for future City construction of a pier and water access in association with the park. (No Development Cost Charge credits will apply for land or design/construction with respect to the park or pier.)

A conceptual plan, including a terms of reference, for the riverfront park, are included in the attached Rezoning Considerations (Attachment 7 – Schedule H). Additional requirements specific to the dike are included in the Engineering Servicing Agreement requirements (Attachment 7). Key features of the conceptual plan include:

- a) A paved pedestrian and cycling path on the dike crest;
- b) A separated pedestrian path below the dike crest (i.e. closer to the water's edge) affording seating and views of the river's edge;
- c) Plazas at each end with access to the adjacent streets (Capstan Way and Corvette Way), together with seating and other site furnishings to facilitate informal gathering and viewing;



- d) Public piers at each end at the dike crest elevation, together with a viewing tower at the pier at the terminus of Capstan Way, which will create a highly visible destination;
- e) A floating walkway that connects between the two piers;
- f) Universally accessible routes to the adjacent streets;
- g) Native planting to enhance habitat on the Fraser River foreshore; and
- h) For buildings outside the park, setbacks of at least 30.0 m (98.4 ft.) to the High Water Mark.

The implementation of the proposed YuanHeng Riverfront Park Conceptual Plan and the developer's voluntary contributions proposed as part of the subject rezoning application are an important step towards establishing the public waterfront amenities envisioned for the Middle Arm of the Fraser River and an important contribution to the livability of the Capstan Village and for all City Centre residents. To date, public consultation has not been undertaken for this plan since there are relatively few residences in the area. There will be opportunities for public comment on the proposed plan in the future during the development of the detailed design.

As part of the subject rezoning application, staff are seeking Council's approval of the YuanHeng Riverfront Park Conceptual Plan. (Attachment 7 – Schedule H)

#### **E. Affordable Housing Strategy**

The developer proposes to provide 4,441.8 m<sup>2</sup> (47,811.1 ft<sup>2</sup>) of affordable (low-end market rental) housing, approximately 59 units, which housing will be constructed to a turnkey level of finish at the developer's sole cost and secured with a Housing Agreement.

The proposed floor area represents 5% of the development's combined total maximum residential floor area on Seaside (North and South) and Seaview, as per the City's Affordable Housing Strategy. Occupants of the affordable housing units will enjoy full and unlimited access to and use of all on-site indoor and outdoor amenity spaces provided on the lot upon which they are located, as per OCP and CCAP requirements. Parking, "Class 1" bike storage, and related electric vehicle (EV) charging stations shall be provided by the developer/owner at no additional charge to the affordable housing occupants. All of the affordable housing units shall meet Richmond Basic Universal Housing (BUH) standards or better.

The number of units and unit mix targeted for the project, as indicated in the table below, may be updated to the satisfaction of the City on a Development Permit-by-Development Permit basis.

Unit Type	Affordable Housing Strategy Requirements			Project Targets (2)	
	Minimum Unit Area	Maximum Monthly Unit Rent (1)	Total Maximum Household Income (1)	Unit Mix	# of Units
Bachelor	37 m <sup>2</sup> (400 ft <sup>2</sup> )	\$850	\$34,000 or less	10%	5
1-Bedroom	50 m <sup>2</sup> (535 ft <sup>2</sup> )	\$950	\$38,000 or less	30%	18
2- Bedroom	80 m <sup>2</sup> (860 ft <sup>2</sup> )	\$1,162	\$46,500 or less	30%	18
3-Bedroom	91 m <sup>2</sup> (980 ft <sup>2</sup> )	\$1,437	\$57,500 or less	30%	18
TOTAL	4,443.5 m <sup>2</sup> (47,820 ft <sup>2</sup> )	N/A	N/A	100%	59

(1) May be adjusted periodically, as provided for under adopted City policy.

(2) 100% of affordable housing units shall meet Richmond Basic Universal Housing (BUH) standards or better.

The developer proposes to modify the delivery of the affordable housing units such that:

- a) A minimum of 25% of the development's total affordable housing floor area (i.e. +/-15 units) shall be located on Seaside South (Phase 1), a maximum of 75% (i.e. +/-44 units) shall be on Seaside North (Phase 2), and none will be on Seaview (Phase 3); and
- b) The affordable housing units will be distributed among the development's residential towers in the form of unit clusters, which may occupy entire tower floors or parts thereof.

While the developer's proposal is a departure from City policy encouraging that affordable units are dispersed and delivered lot-by-lot at a rate of 5% of residential floor area, staff are supportive of the developer's proposal on the basis that the phasing of the affordable housing units will accelerate their overall delivery (i.e. 100% constructed by occupancy of Phase 2, instead of Phase 3), and the form, size, unit mix, and location of each affordable housing cluster will be determined to the satisfaction of the City through the Development Permit\* review and approval processes.

#### F. Transportation

- a) Capstan Station Bonus (CSB) – Funding: The CCAP's Capstan Station (density bonus) funding strategy seeks to raise approximately \$25 million for the construction of the Capstan Canada Line Station by providing a 0.5 floor area ratio (FAR) residential density bonus to Capstan Village developers who voluntarily contribute towards the Capstan Station Reserve at a rate of \$8,242.79 per dwelling unit (2015/2016 rate, to be adjusted annually as per the Consumer Price Index). Based on a City agreement with TransLink, construction of the station will begin when adequate funding is secured. The subject development is consistent with Richmond's station funding strategy in regard to voluntary developer contributions to the Capstan Station Reserve, together with requirements for the developer's provision of additional public open space and a transit-oriented transitional parking strategy, as follows:

Phase	Lot	No. of Dwelling Units <i>Preliminary estimate</i>	Capstan Station Reserve Voluntary Contribution <i>Preliminary estimate (1)</i>
1	A (Seaside South)	570	\$4,698,390
2	B (Seaside North)	225	\$1,854,628
3	C (Seaview)	55	\$453,354
<b>TOTAL</b>		<b>850</b>	<b>\$7,006,372</b>

(1) Estimate based on the City rate in effect as of October 1, 2015 (i.e. \$8,242.79/dwelling). Actual contributions shall be in accord with Zoning Bylaw rates in effect phase-by-phase at the time of Building Permit\* approval.

- b) Capstan Station Bonus (CSB) – Public Open Space: As per the CSB policy and the subject development's proposed site specific zone, ZMU30, the developer proposes to voluntarily transfer at least 4,250.0 m<sup>2</sup> (45,746.6 ft<sup>2</sup>) of land to the City, at no cost to the City, in a combination of fee simple, dedication, and statutory right-of-ways for public open space use at a rate of 5.0 m<sup>2</sup> (53.82 ft<sup>2</sup>) per dwelling unit. (Attachment 7 - Schedule C). The land transferred will, in part, be consolidated with other lands being developed, via the subject development, for riverfront park purposes (e.g., River Road). All CSB public open space areas will be designed and constructed to the City's satisfaction, at the developer's sole cost, through the City's standard Servicing Agreement and/or Development Permit processes.

- c) Transitional Parking Strategy & Transportation Demand Management (TDM): The Zoning Bylaw provides for parking reductions in Capstan Village from Zone 1A to Zone 1 (the City Centre Zone with the lowest rates), together with a possible further 10% reduction, for developments that incorporate TDM measures and demonstrate that they are well designed to meet the parking and transportation demands of Capstan Village today and in the future when the Capstan Canada Line station is operational.

In light of this, the developer's transportation strategy provides for various road network improvements, TDM measures, and related features, all at the developer's sole cost. In brief, this includes, among other things:

- Road widening along No. 3 Road, Capstan Way, and Corvette Way to accommodate cycling and pedestrian improvements, together with related road upgrades;
- A new east-west street bisecting the site, together with a new intersection at No. 3 Road, to improve access to the community centre and other on-site and neighbouring uses, enhance pedestrian access between the future Canada Line station, the community centre, and the surrounding area, and create smaller, more walkable blocks;
- River Road upgrades north of Seaview, including a new connection to Corvette Way, to facilitate existing neighbouring marina operations;
- Improved access to/from Sea Island Way at Corvette Way (approved by MOTI);
- Service vehicle access to the improved dike;
- \$200,000 towards pedestrian crossing improvements along Sea Island Way;
- End-of-trip cycling facilities (e.g., showers, change rooms) co-located with Class 1 (i.e. secured) bike storage for commercial tenants and employees on Seaside South and North;
- Car-share facilities on Seaside North, including 4 parking spaces, secured with a statutory right-of-way (SRW) and equipped with electrical vehicle (EV) charging equipment, 2 car-share vehicles, and a 3-year contract with a car-share operator;
- Commercial parking covenants on Seaside South and North requiring that at least 50% of required commercial parking (excluding community centre parking) will be designated for short-term use (i.e. hourly) by the general public; and
- Installation of Level 2 (240V) "quick charge" EV charging equipment at the rate of:
  - For chargers: 2% of community centre parking and 3% of hourly "public" parking;
  - For plug-ins: 20% of "assignable" (e.g., leased) commercial parking and 25% of resident parking; and
  - For rough-ins (for the future installation of EV equipment): 25% of resident parking.

#### **G. Engineering Infrastructure**

The developer shall be responsible for the design and construction of required water, storm sewer, and sanitary sewer upgrades and related public and private utility improvements, as determined to the satisfaction of the City. The developer's design and construction of the required improvements shall be phased over three Servicing Agreements (SA), each secured with a Letter of Credit, as set out in the attached Rezoning Considerations. (Attachment 7) Prior to rezoning adoption, the developer will enter into the first Servicing Agreement (SA #1), which generally shall include:

- a) Sanitary Sewer: Relocation of the existing Skyline Pump Station above grade equipment in order to facilitate the construction of cycling and pedestrian improvements along Capstan

Way along the south side of Seaside South, together with all sanitary upgrades required with respect to Seaside South and North;

- b) Storm Sewer: All drainage upgrades required with respect to Seaside South and North; and
- c) Water: All water upgrades required with respect to Seaside South and North.

#### **H. Built Form and Architectural Character**

The developer proposes to construct a high-rise, high density, mixed use development and City park on a large site near the future Capstan Canada Line Station and prominent No. 3 Road/Sea Island Way “gateway” to Richmond’s City Centre. As per the CCAP, through the proposed rezoning, the subject site will be subdivided with a new street to create smaller blocks that are more appropriately scaled and configured for pedestrian/transit-oriented urban development. Likewise, the developer’s proposed form of development, which is a combination of articulated streetwall buildings and towers, generally conforms to the CCAP and its Development Permit (DP) Guidelines and is well-suited to the demands and opportunities of the site. In particular, the development has successfully demonstrated:

- a) A strong urban concept providing for a high-density, pedestrian-friendly environment;
- b) Variations in building height and massing contributing towards skyline interest, solar access to usable rooftops, and upper- and mid-level views across the site for residents and neighbours;
- c) A mid-rise building typology that aims to break the streetwall into a series of coordinated, yet distinct, buildings, providing for visually engaging streetscapes, a human scale, and opportunities for interesting community amenity and retail identities at grade; and
- d) Strong public open space and on-site landscape strategies, especially with respect to the proposed riverfront park.

Development Permit (DP) approval to the satisfaction of the Director of Development for the first phase of the subject development (i.e. Seaside South) will be required prior to rezoning adoption. Additional DP applications will be considered on a phase-by-phase basis for the development’s subsequent two phases (i.e. one per phase).

#### **I. Additional Sustainable Development Measures**

The CCAP encourages the coordinated planning of private development and City infrastructure with the aim of advancing opportunities to implement environmentally responsible services. Areas undergoing significant change, such as Capstan Village, are well suited to this endeavour. In light of this, staff recommend and the developer has agreed to the following:

- a) District Energy Utility (DEU): The developer will design and construct 100% of the subject development to facilitate its connection to a DEU system. (The utility will be constructed by others).
- b) Leadership in Energy and Environmental Design (LEED): The CCAP requires that all rezoning applications greater than 2,000.0 m<sup>2</sup> (21,527.8 ft<sup>2</sup>) in size demonstrate compliance with LEED Silver (equivalency) or better, paying particular attention to features significant to Richmond (e.g., green roofs, urban agriculture, DEU, storm water management/quality). The developer has agreed to comply with this policy and will demonstrate this on a phase-by-

phase basis through the City's standard Development Permit and Servicing Agreement design and approval processes.

- c) Flood Management Strategy: The CCAP encourages measures that will enhance the ability of developments to respond to flood plain management objectives and adapt to the effects of climate change (e.g., sea level rise). To this end, the Plan encourages City Centre developers to build to the City's recommended Flood Construction Level of 2.9 m (9.5 ft) GSC and minimize exemptions, wherever practical. The developer has agreed to comply and, in addition, proposes to raise the grade along the north side of Capstan Way, adjacent to Seaview, to facilitate improved dike connections for the public and City operations.
- d) Aircraft Noise Sensitive Development (ANSD): The subject site is situated within ANSD "Area 3", which permits all ANSD uses (i.e. residential, child care, hospital, and school) provided that a restrictive covenant is registered on title and appropriate noise attenuation measures are implemented. The required covenant(s) will be registered prior to rezoning adoption, and other requirements will be satisfied prior to Development Permit and Building Permit issuance, as required.
- e) Accessible Housing: Richmond's OCP seeks to meet the needs of the city's aging population and people facing mobility challenges by encouraging the development of accessible housing that can be approached, entered, used, and occupied by persons with physical or sensory disabilities. To address the City's policy, 100% of the development's affordable housing units will be designed to comply with Richmond's Basic Universal Housing (BUH) standards. In addition, through the phase-by-phase Development Permit review and approval processes, staff will work with the developer to ensure that additional BUH units are provided, together with, among other things, barrier-free access to all building lobbies and amenities and aging in place features in all dwellings.

#### **Financial Impact or Economic Impact**

- a) Community Centre: Acceptance of the developer's proposed voluntary amenity contribution will provide the City with a two-storey, 3,106.6 m<sup>2</sup> (33,439.0 ft<sup>2</sup>) community centre. As with any facility development, there are typical costs associated with the program, including operating budget impacts and furnishings, fixtures and equipment (FF&E). Estimates for these costs are identified below, but are not part of the developer's amenity contribution. If the proposed amenity contribution is approved, the costs for a community centre of this size are expected to be as follows:
  - Capital budget for FF&E is estimated to be between \$875,000 and \$1,311,000 (in 2019 dollars) to be considered during the annual capital budget process.
  - The Tenant Improvement portion of the community centre is protected with an allowance of \$308.30/ft<sup>2</sup> based on the City's current scope needs and predicted cost escalation to 2020. Staff believe that this is a suitable allowance and do not anticipate the need for any further funding. Should cost escalation be higher than what is predicted and/or there are scope changes to the Tenant Improvement needs, there may be a future request for additional funding, which would be presented to Council at the appropriate time.
  - Preliminary operating budget impact of approximately \$1,420,000 (in 2019 dollars), which will be subject to Council approval during the annual budget process and accompanied by a business plan for the facility; consideration could be given in the

business plan for phasing in of operations. An OBI of this amount results in an approximately 0.65% tax impact.

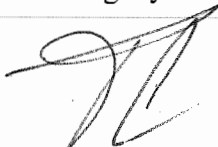
- b) Park: The anticipated operating budget impact for the ongoing maintenance of the proposed park is \$43,790. This will be considered as part of future operating budgets.
- c) Engineering: As a result of the proposed development, the City will take ownership of developer contributed assets such as road works, 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 \$47,000.00. This will be considered as part of the 2018 Operating budget.

### Conclusion

YuanHeng Seaview Developments Ltd & YuanHeng Seaside Developments Ltd have applied to rezone a 3.29 ha (8.12 ac) site in Capstan Village to a site specific zone, "Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30)", and "School and Institutional Use (SI)" to permit the construction of a three-phase, high density, high-rise development with a total floor area of 113,131.8 m<sup>2</sup> (1,217,740.7 ft<sup>2</sup>). To facilitate the subject development, the applicant has proposed to amend the OCP and CCAP to permit 25,972.2 m<sup>2</sup> (279,562.4 ft<sup>2</sup>) of additional residential floor area, together with a new 4,276.6 m<sup>2</sup> (1.06 ac) City-owned riverfront park and a 3,106.6 m<sup>2</sup> (33,439.0 ft<sup>2</sup>) community centre, designed and constructed at the developer's sole cost.

An analysis of the developer's proposal shows it to be well designed and capable of attractively accommodating the increased floor area and community centre program requirements, while complying with the intent of the CCAP Development Permit Guidelines and related objectives for urban design, livability, public open space, and other considerations. Furthermore, a new community centre is much needed in the Capstan Village area, where it will be well located to meet the needs, today and in the future, of local residents and the West Cambie and Sea Island communities.

On this basis, it is recommended that Official Community Plan Amendment Bylaw 9593 and Zoning Bylaw 8500, Amendment Bylaw 9594, be introduced and given first reading.



Terry Crowe  
Manager, Policy Planning



Suzanne Carter-Huffman  
Senior Planner/Urban Design

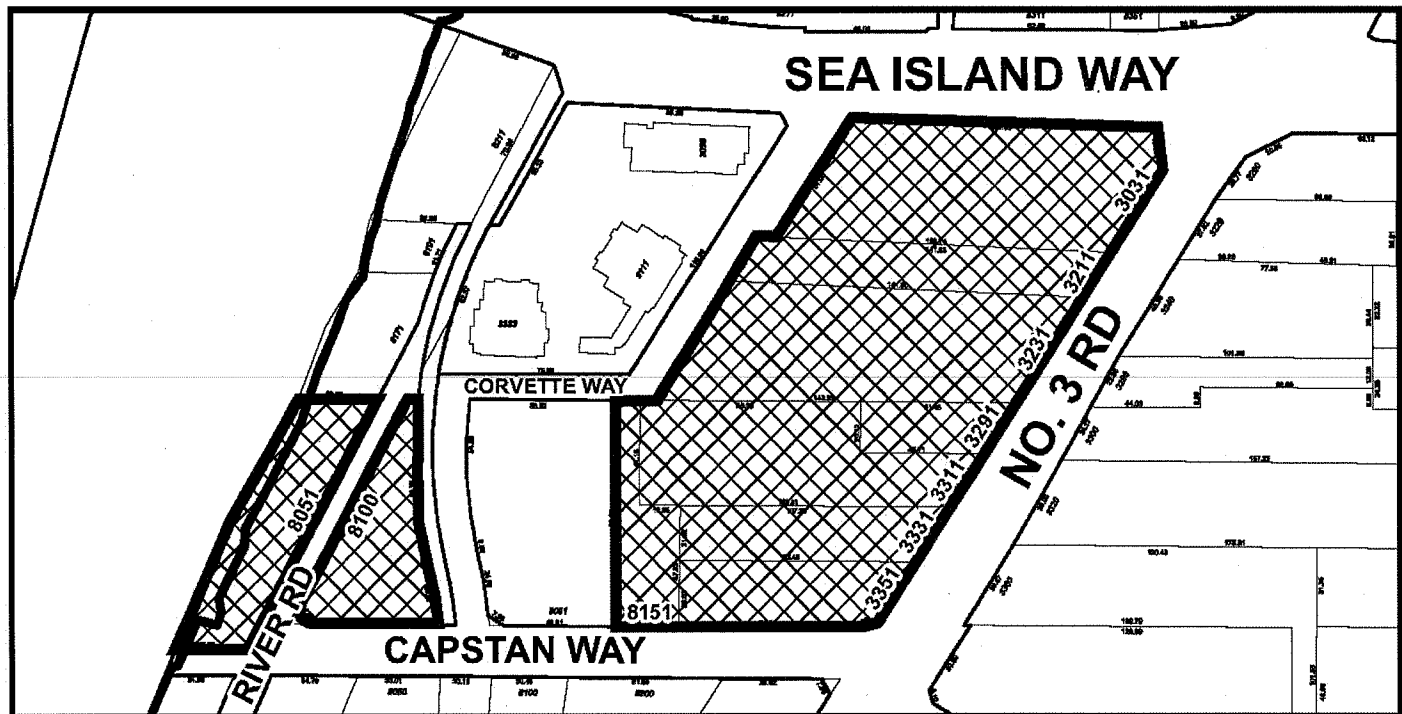
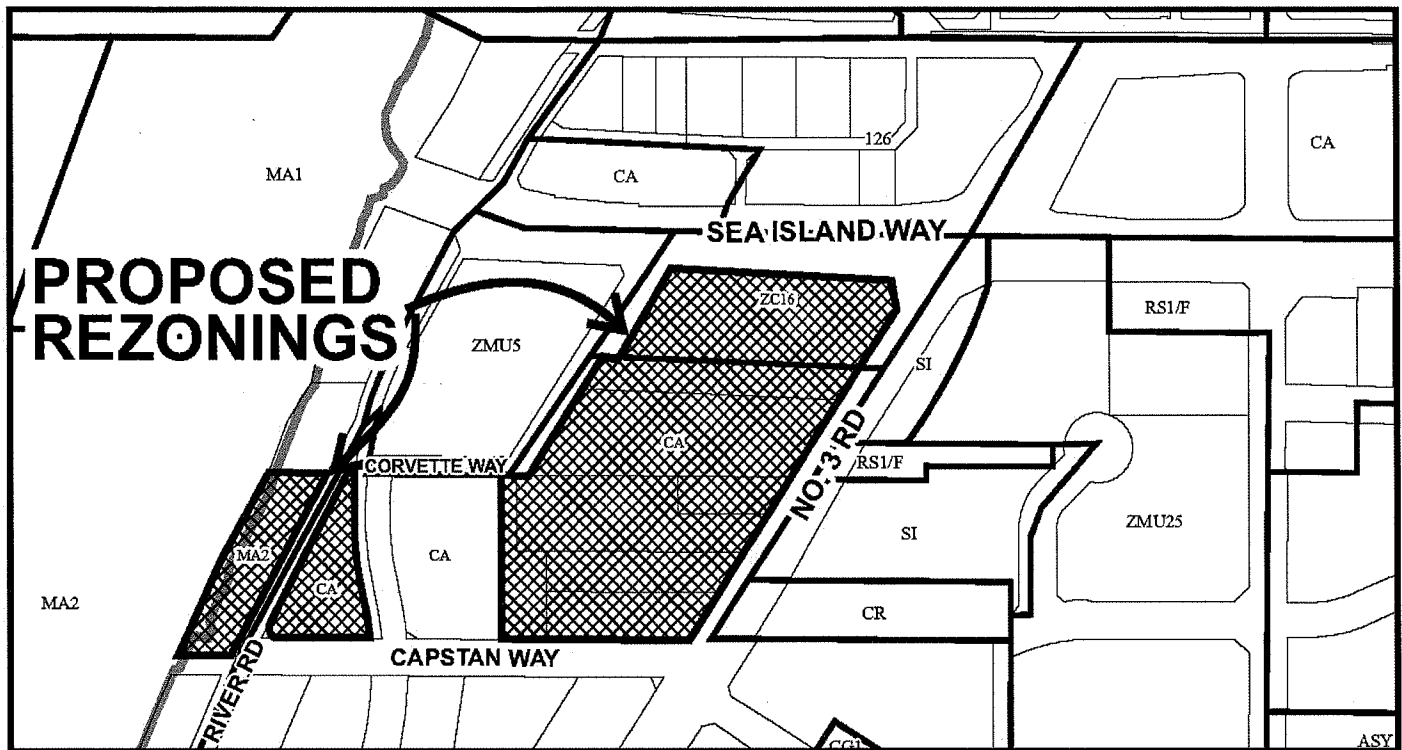
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#### Attachments:

- 1) Location Map
- 2) Aerial Photograph
- 3) City Centre Area Plan (CCAP) Specific Land Use Map: Capstan Village (2031)
- 4) Key Plan
- 5) Development Application Data Sheet
- 6) Conceptual Development Plans

7) Rezoning Considerations

- Schedule A – Preliminary Subdivision Plan
- Schedule B – Preliminary Statutory Right-of-Way Plan
- Schedule C – Capstan Station Bonus – Public Open Space (Fee Simple, Dedication & SRW) Location Map
- Schedule D – Phasing Key Plan
- Schedule E – Preliminary Functional Roads Plan (REDMS #564211 & 564212)
- Schedule F – Community Centre Terms of Reference (REDMS #5163571)
- Schedule G – Community Centre Conceptual Plan (REDMS #5166710)
- Schedule H – YuanHeng Riverfront Park Conceptual Plan



RZ 12-603040



City of  
Richmond





RZ 12-603040

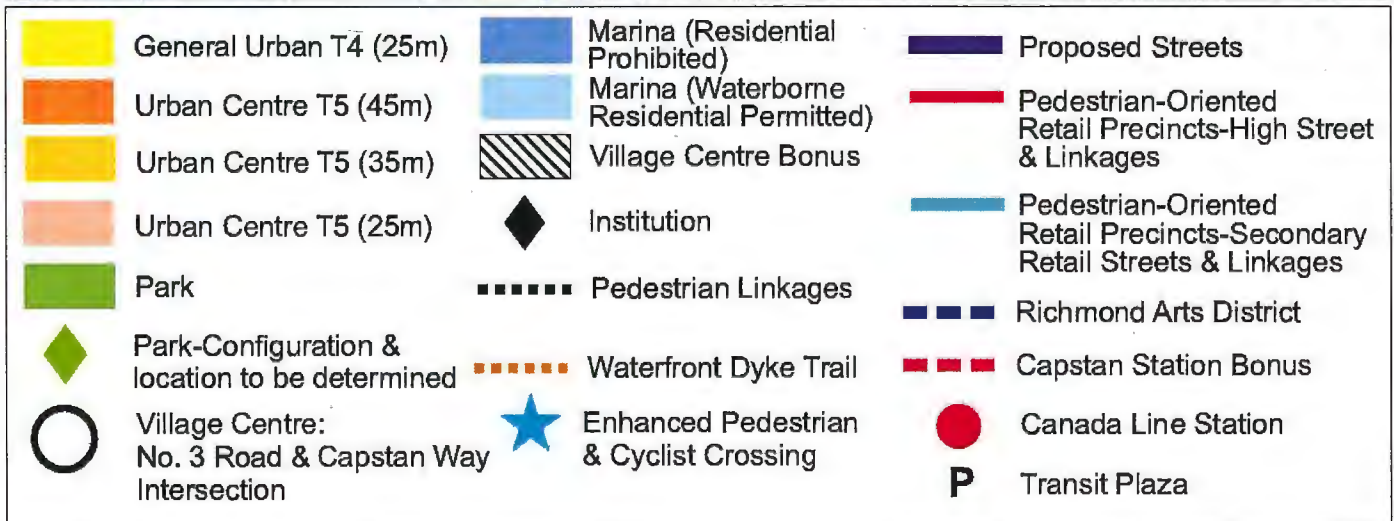
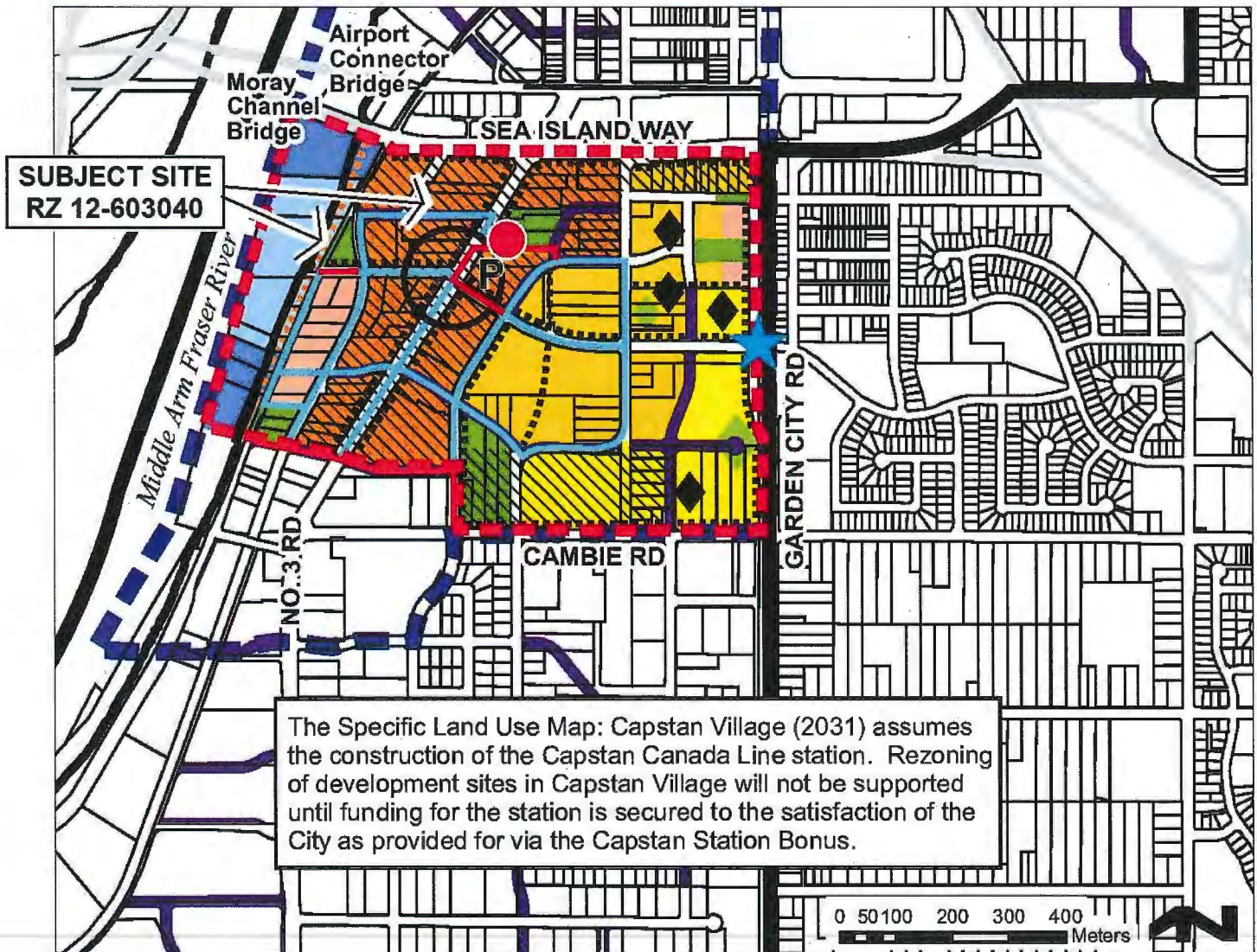
Original Date: 03/29/12

Amended Date: 08/02/16

Note: Dimensions are in METRES



## Specific Land Use Map: Capstan Village (2031)

Bylaw 9041  
2016/07/25







**RZ 12-603040**

Address: 3031, 3211, 3231, 3291, 3311, 3331, 3351 No 3 Road, 8151 Capstan Way & 8051 and 8100 River Road

Applicant: YuanHeng Seaview Developments Ltd & YuanHeng Seaside Developments Ltd

Planning Area(s): City Centre (Capstan Village)

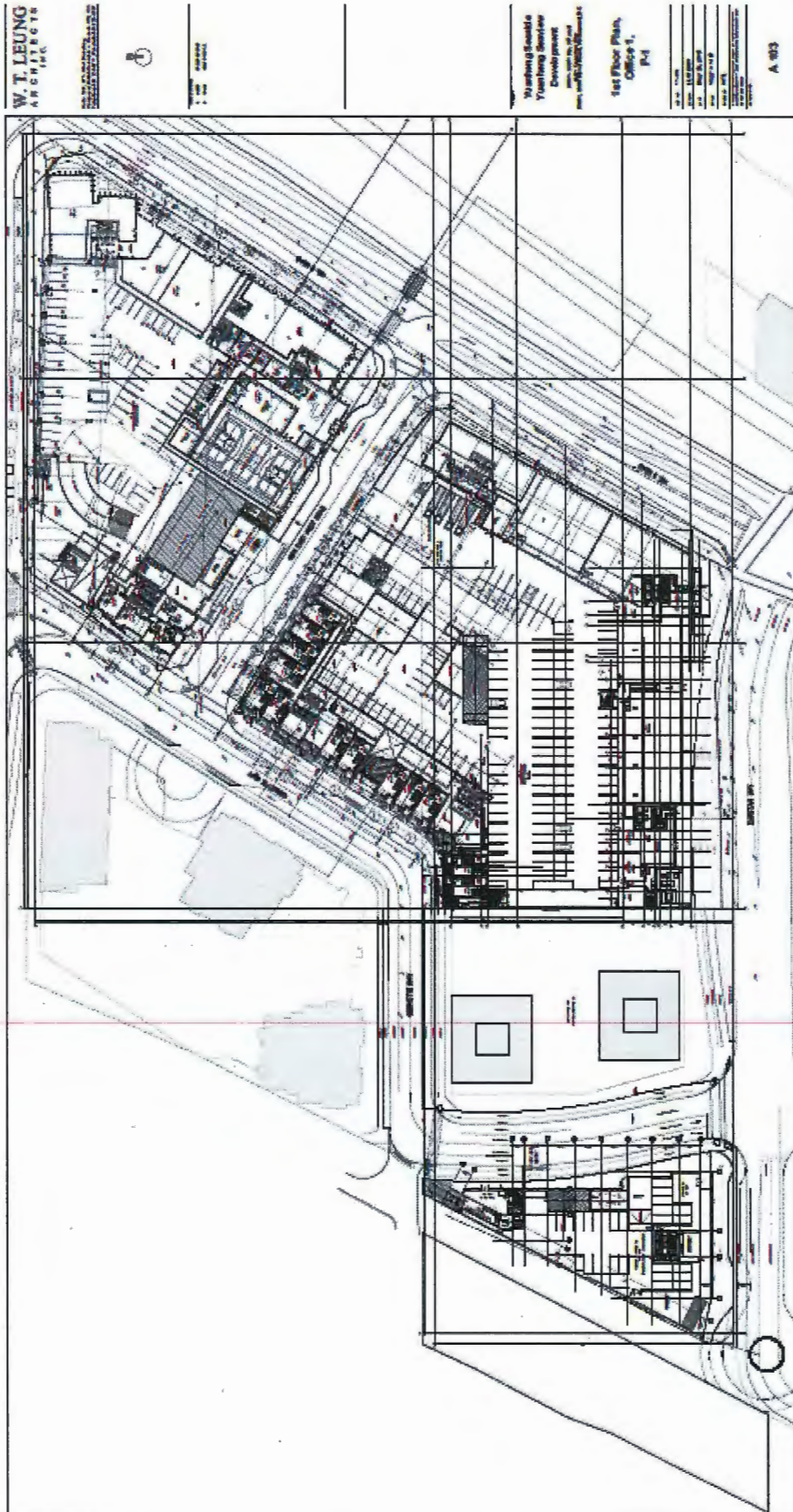
	Existing	Proposed
<b>Owner</b>	<ul style="list-style-type: none"> <li>YuanHeng Seaview Developments</li> <li>YuanHeng Seaside Developments</li> </ul>	<ul style="list-style-type: none"> <li>YuanHeng Seaview Developments</li> <li>YuanHeng Seaside Developments</li> <li>City of Richmond</li> </ul>
<b>Site Size</b>	<ul style="list-style-type: none"> <li>32,871.0 m<sup>2</sup> (8.12 ac)</li> </ul>	<ul style="list-style-type: none"> <li>24,643.0 m<sup>2</sup> (265,255.0 ft<sup>2</sup>), excluding the proposed park</li> </ul>
<b>Land Uses</b>	<ul style="list-style-type: none"> <li>Vacant</li> </ul>	<ul style="list-style-type: none"> <li>High density, high-rise, mixed use &amp; multi-family development &amp; park</li> </ul>
<b>OCP Designation</b>	<ul style="list-style-type: none"> <li>Mixed Use &amp; Park</li> </ul>	<ul style="list-style-type: none"> <li>Mixed Use &amp; Park (Revised locations)</li> </ul>
<b>City Centre Area Plan (CCAP) Designation</b>	<ul style="list-style-type: none"> <li>Capstan Station Bonus</li> <li>Urban Centre T5 (45 m)</li> <li>Village Centre Bonus</li> <li>Pedestrian-Oriented Retail Precincts</li> <li>Waterfront Dike Trail</li> <li>Pedestrian Linkage</li> <li>Proposed Street</li> <li>Park</li> <li>Marina</li> </ul>	<p>As existing, EXCEPT:</p> <ul style="list-style-type: none"> <li>Marina is replaced with Park</li> <li>Park is replaced with Urban Centre T5 (45 m)</li> <li>Institution (bonus) is added</li> </ul>
<b>Zoning</b>	<ul style="list-style-type: none"> <li>Auto-Oriented Commercial (CA)</li> <li>Marina (MA2)</li> <li>Hotel Commercial (ZC160 – Capstan Village (City Centre))</li> </ul>	<ul style="list-style-type: none"> <li>Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre) (ZMU30)</li> <li>School &amp; Institutional Use (SI)</li> </ul>
<b>Number of Units</b>	<ul style="list-style-type: none"> <li>Nil</li> </ul>	<ul style="list-style-type: none"> <li>Max. 850 (as per the proposed ZMU30 zone)</li> </ul>
<b>Aircraft Noise Sensitive Development (ANSI) Policy</b>	<ul style="list-style-type: none"> <li>Moderate Aircraft Noise "Area 3" – All uses may be considered. (Covenant, acoustic report, noise mitigation, mechanical ventilation, air conditioning capacity, etc. required.)</li> </ul>	<ul style="list-style-type: none"> <li>As required</li> </ul>

On Future Subdivided Lots	Proposed ZMU30 Zone	Proposed	Variance
Buildable Floor Area (max.)	<ul style="list-style-type: none"> <li>Area A: 57,108.8 m<sup>2</sup> (614,713.8 ft<sup>2</sup>)</li> <li>Area B: 43,179.8 m<sup>2</sup> (464,783.7 ft<sup>2</sup>)</li> <li>Area C: 12,843.2 m<sup>2</sup> (138,243.2 ft<sup>2</sup>)</li> </ul>	<ul style="list-style-type: none"> <li>As permitted</li> </ul>	None permitted
Lot Coverage (max.)	<ul style="list-style-type: none"> <li>Building: 90%</li> </ul>	<ul style="list-style-type: none"> <li>As permitted</li> </ul>	None
Lot Size (min.)	<ul style="list-style-type: none"> <li>Area A: 13,202.0 m<sup>2</sup> (142,105.1 ft<sup>2</sup>)</li> <li>Area B: 9,177.0 m<sup>2</sup> (98,780.4 ft<sup>2</sup>)</li> <li>Area C: 2,264.0 m<sup>2</sup> (24,369.5 ft<sup>2</sup>)</li> </ul>	<ul style="list-style-type: none"> <li>As permitted</li> </ul>	None

On Future Subdivided Lots	Proposed ZMU30 Zone	Proposed	Variance
Setbacks (min.)	<ul style="list-style-type: none"> <li>Residential @ Sea Island Way: 20.0 m (66 ft)</li> <li>Road &amp; Park: Min. 3.0 m (10 ft), but may be reduced if proper interfaces are provided</li> <li>Interior Side: Nil</li> <li>Parts of the building below finished grade: Nil</li> </ul>	<ul style="list-style-type: none"> <li>As permitted</li> </ul>	None
Height (max.)	<ul style="list-style-type: none"> <li>47 m (154 ft) GSC</li> </ul>	<ul style="list-style-type: none"> <li>As permitted</li> </ul>	None
Off-street Parking Rates with TDM Measures Applied	<ul style="list-style-type: none"> <li>Community Centre: 74, including 20 shared with non-residential uses</li> <li>Commercial (first 2 floors): 3.375 spaces/100 m<sup>2</sup> gla</li> <li>Office (above 2<sup>nd</sup> floor): 1.1475 spaces/100 m<sup>2</sup> gla</li> <li>Other commercial uses above the 2<sup>nd</sup> floor: As per Parking Zone 1 (No TDM reduction applies)</li> <li>Affordable Housing: 0.81 spaces/unit</li> <li>Market Housing: 1.0 space/unit</li> <li>Residential Visitors: 0.18 spaces/unit, but may be reduced by sharing with commercial on Areas A &amp; B</li> </ul>	<ul style="list-style-type: none"> <li>As permitted</li> </ul>	None
Off-Street Parking – Total	<ul style="list-style-type: none"> <li>Seaside South: 663 min.</li> <li>Seaside North: 485 min.</li> <li>Seaview: 65 min.</li> <li>Total: 1,213 min.</li> </ul>	<ul style="list-style-type: none"> <li>As required</li> </ul>	None
Tandem Parking Spaces	<ul style="list-style-type: none"> <li>Permitted for residential uses only</li> </ul>	<ul style="list-style-type: none"> <li>Nil</li> </ul>	None
Off-Street Loading	<ul style="list-style-type: none"> <li>Area A: 4 medium-size trucks</li> <li>Area B: 4 medium-size trucks</li> <li>Area C: 1 medium-size truck</li> </ul>	<ul style="list-style-type: none"> <li>As required</li> </ul>	None
CCAP Indoor Amenity Space (min.)	<ul style="list-style-type: none"> <li>2.0 m<sup>2</sup>/dwelling</li> <li>1,700 m<sup>2</sup> (18,299 ft<sup>2</sup>) based on 850 dwellings</li> </ul>	<ul style="list-style-type: none"> <li>As required</li> </ul>	None
OCP Outdoor Amenity Space (min.)	<ul style="list-style-type: none"> <li>6.0 m<sup>2</sup>/dwelling</li> <li>5,100 m<sup>2</sup> (1.26 ac) based on 850 dwellings</li> </ul>	<ul style="list-style-type: none"> <li>As required</li> </ul>	None
CCAP Outdoor Amenity Space (min.)	<ul style="list-style-type: none"> <li>CCAP: 10% of net site</li> <li>2,464.3 m<sup>2</sup> (26,525.5 ft<sup>2</sup>)</li> </ul>	<ul style="list-style-type: none"> <li>As required</li> </ul>	None
Capstan Station Bonus – Public Open Space (min.)	<ul style="list-style-type: none"> <li>5.0 m<sup>2</sup>/dwelling</li> <li>4,250 m<sup>2</sup> (1.05 ac) based on 850 dwellings</li> </ul>	<ul style="list-style-type: none"> <li>As required</li> </ul>	None

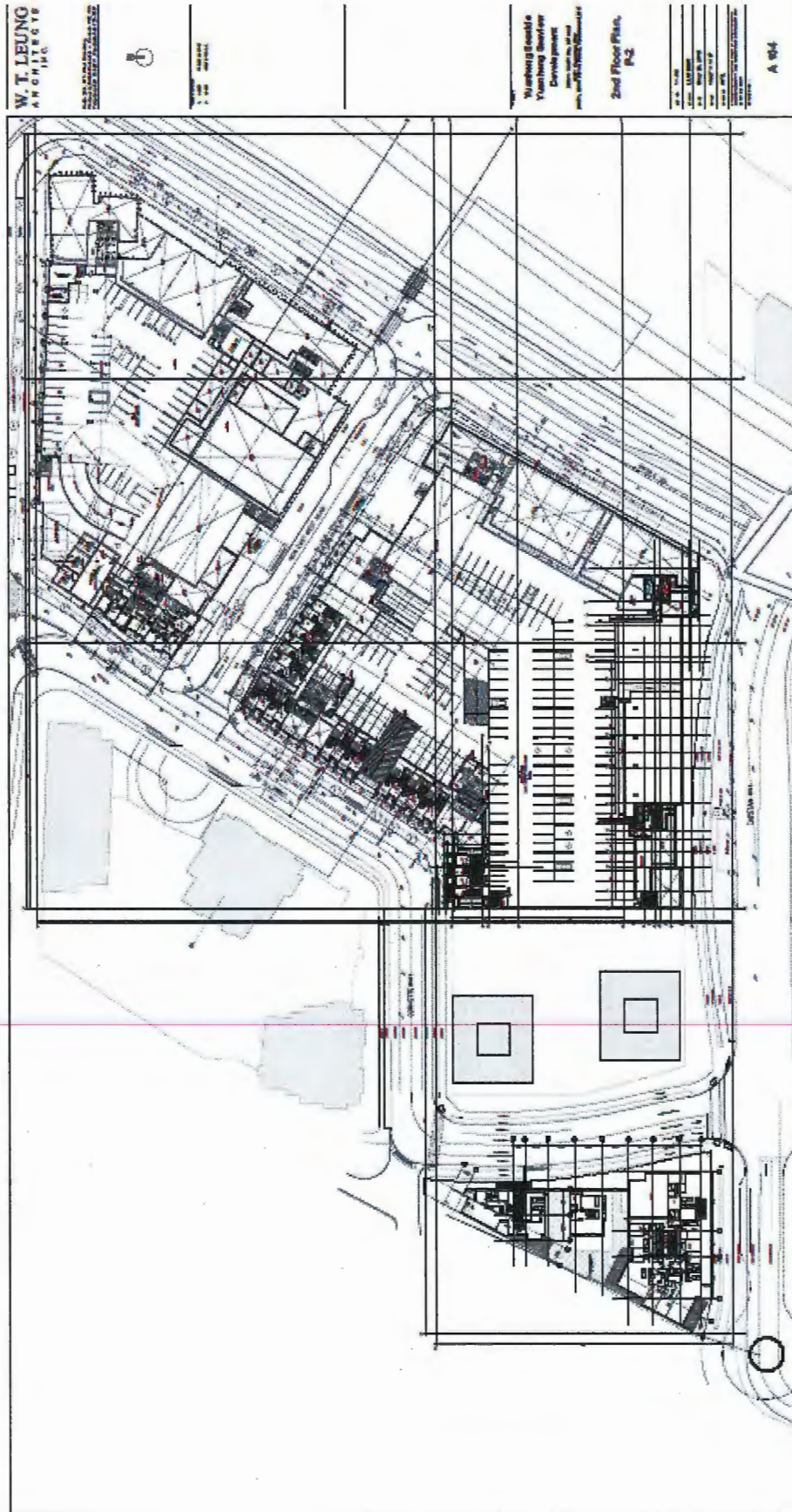


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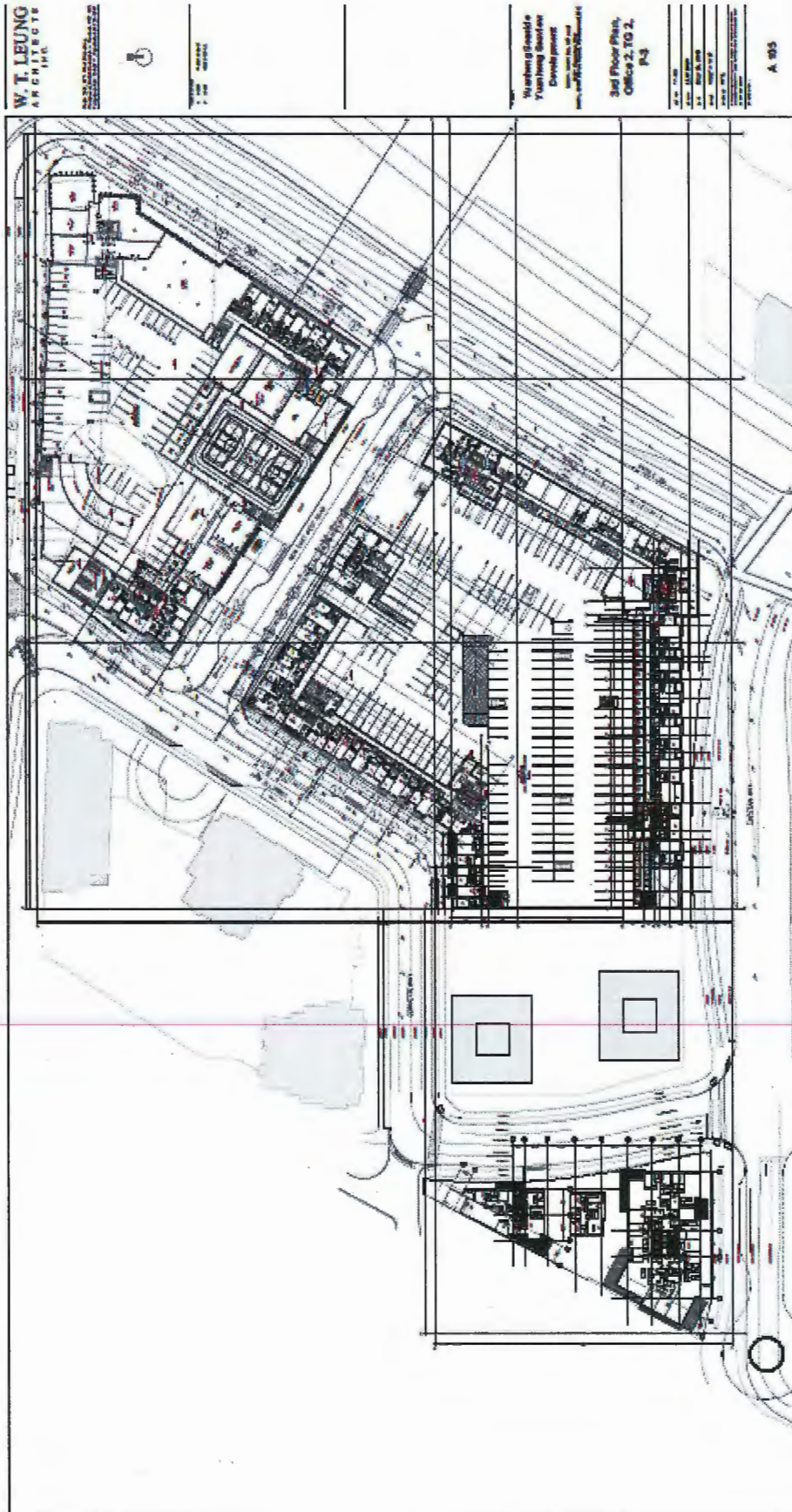
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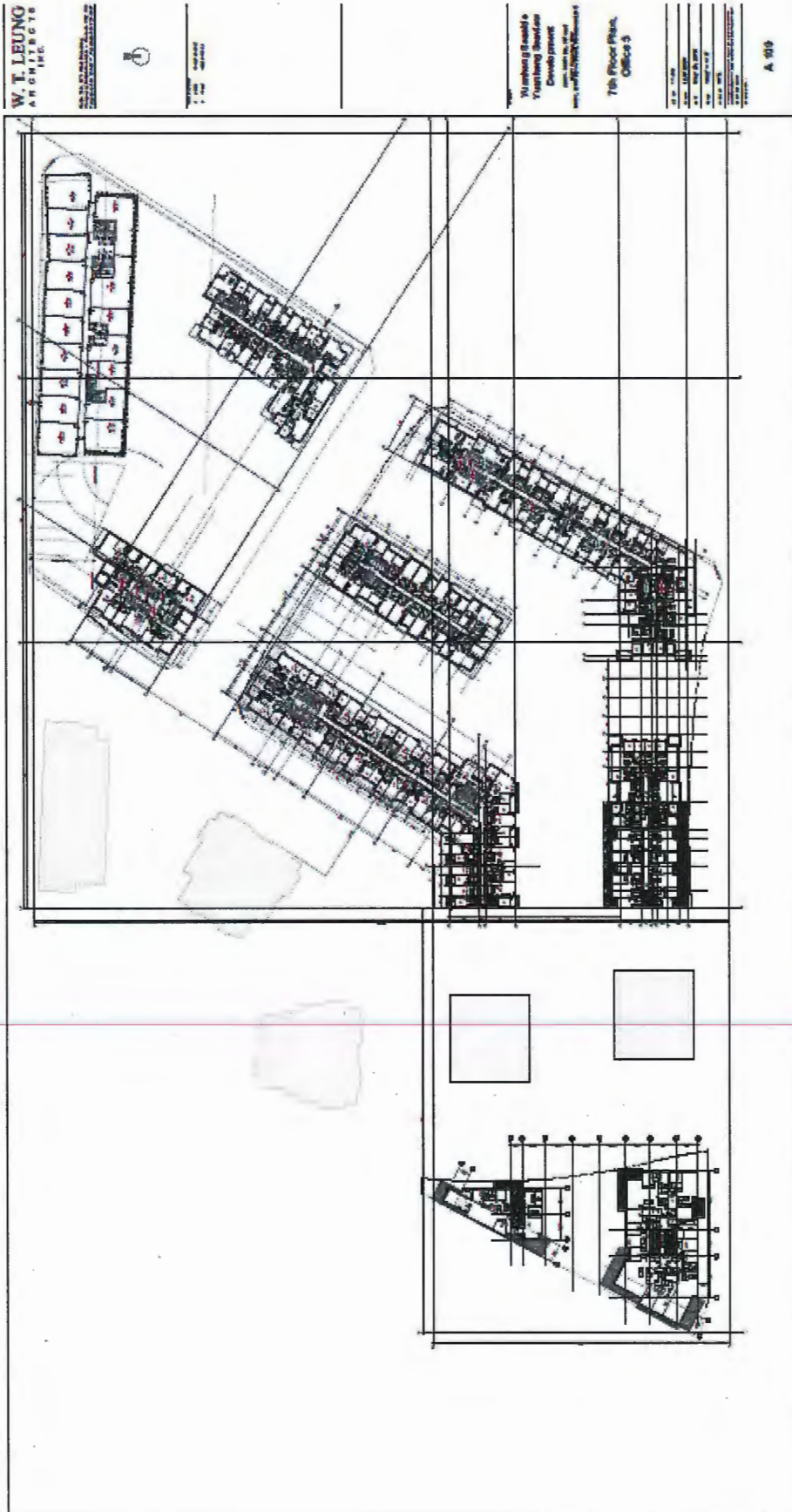


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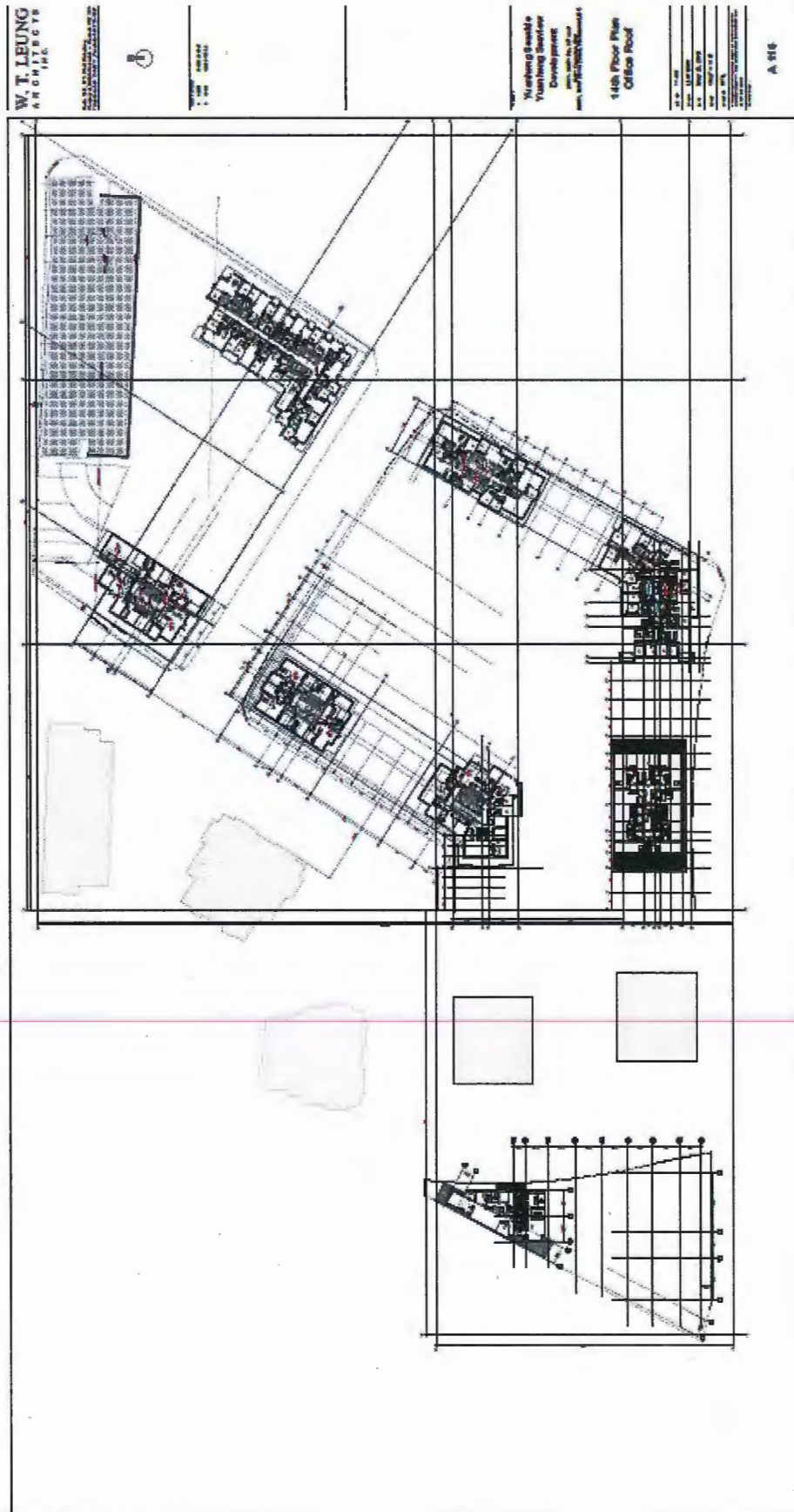






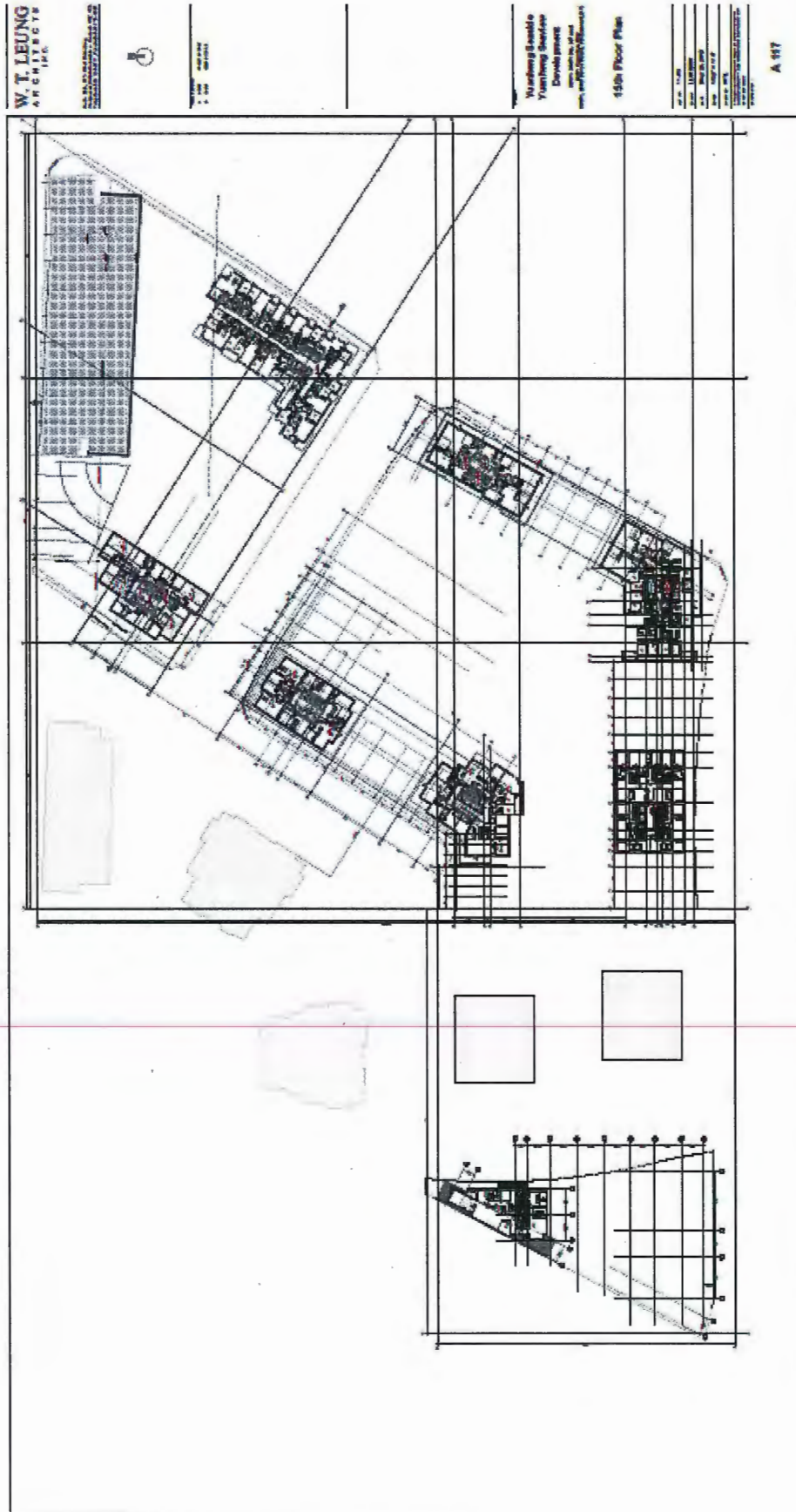
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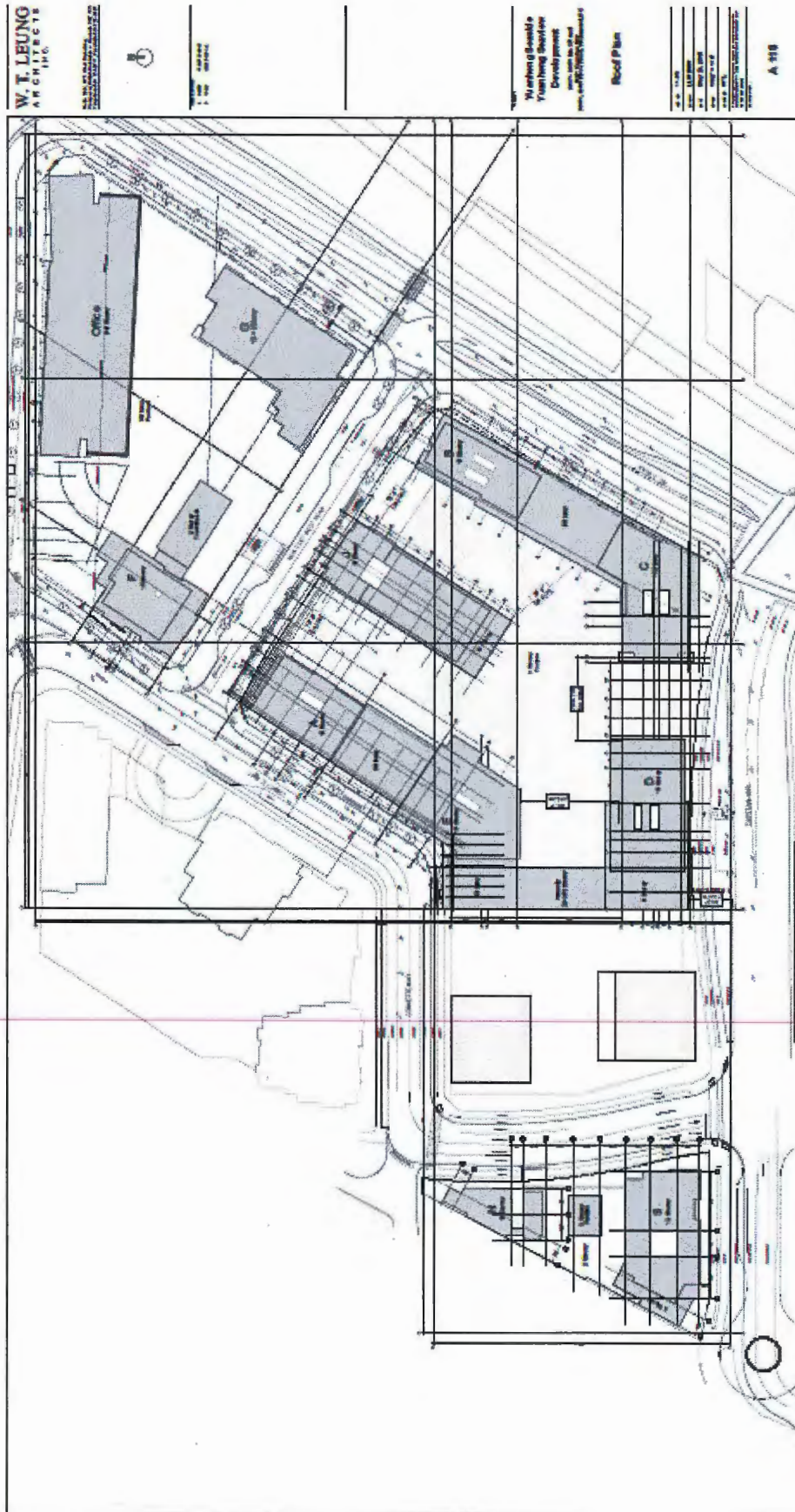


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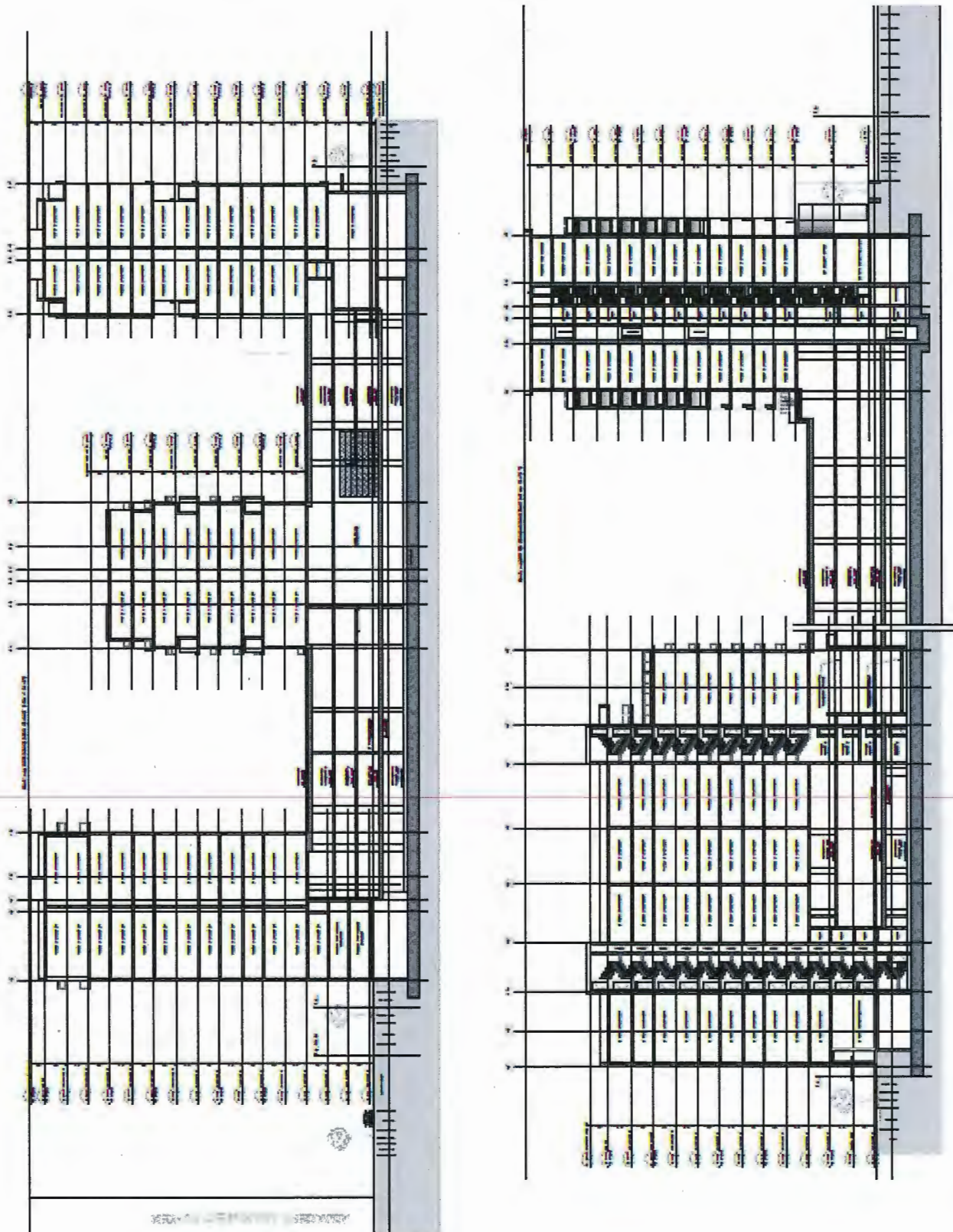


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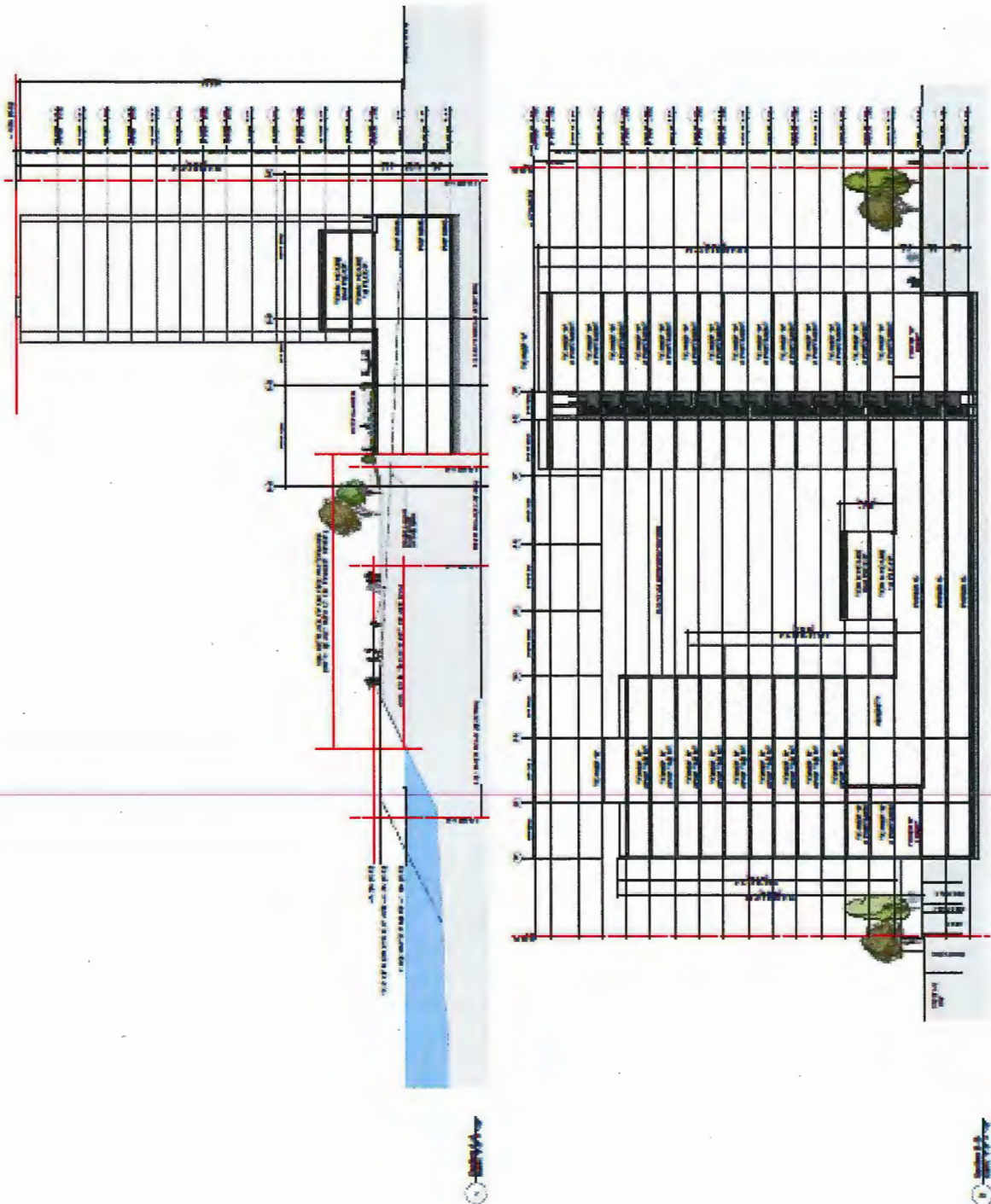


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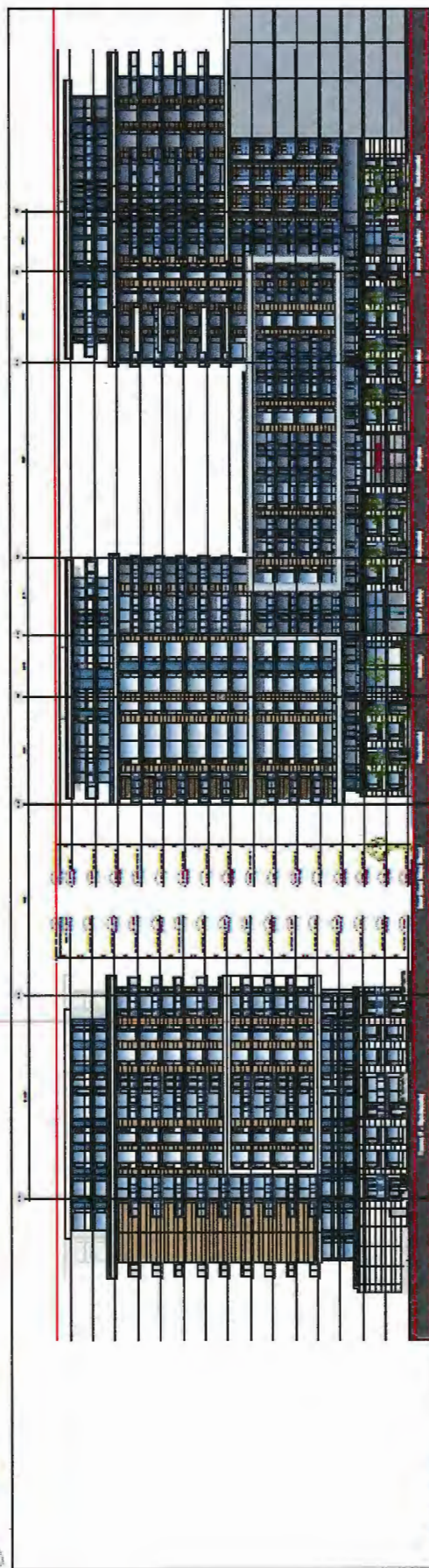
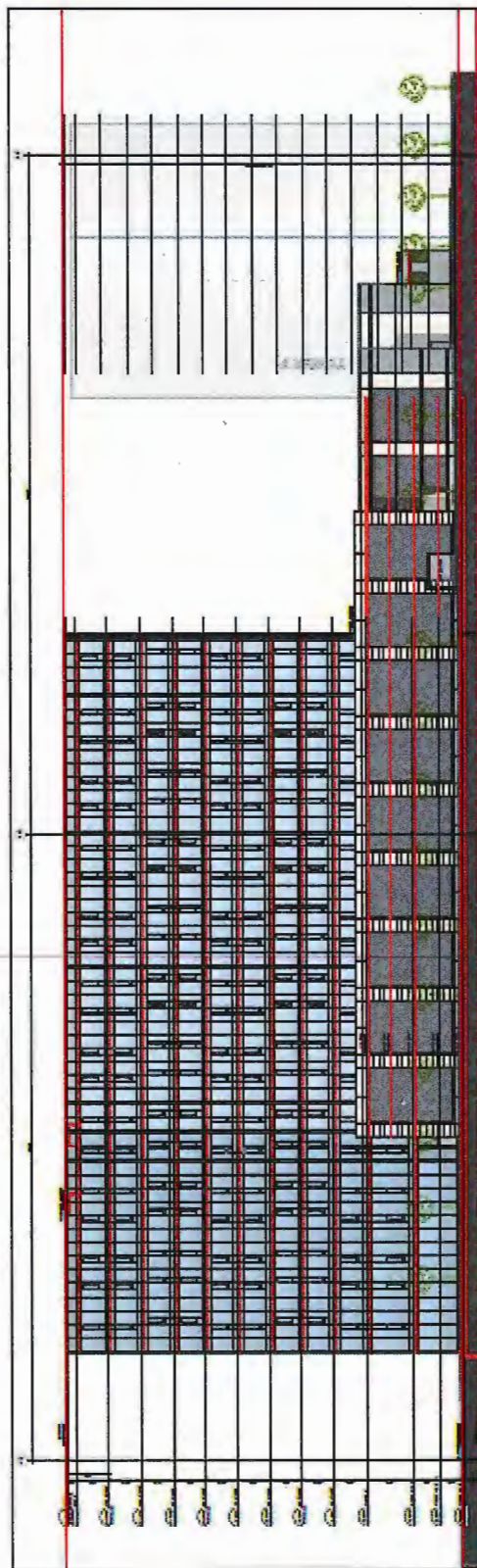


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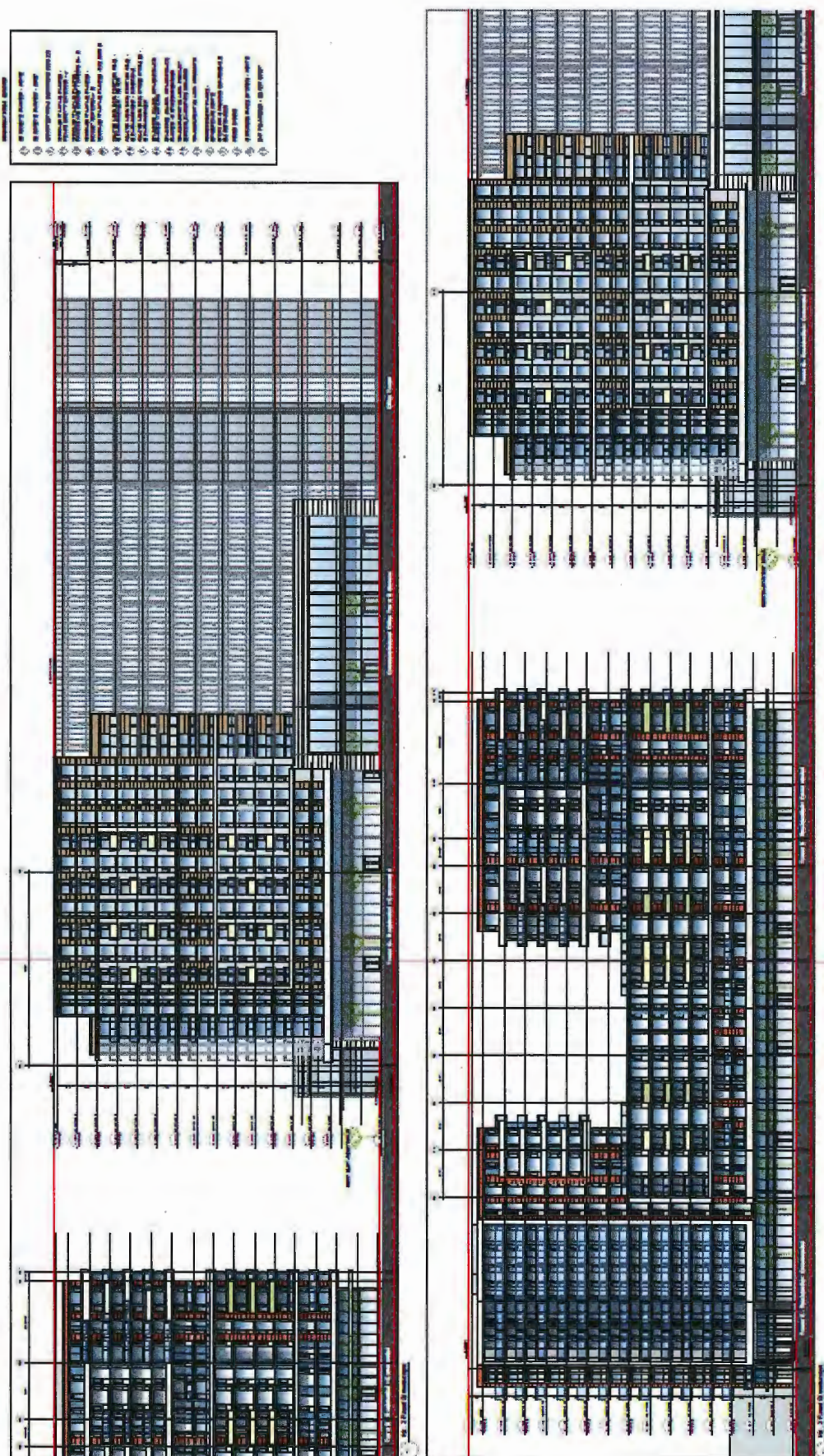


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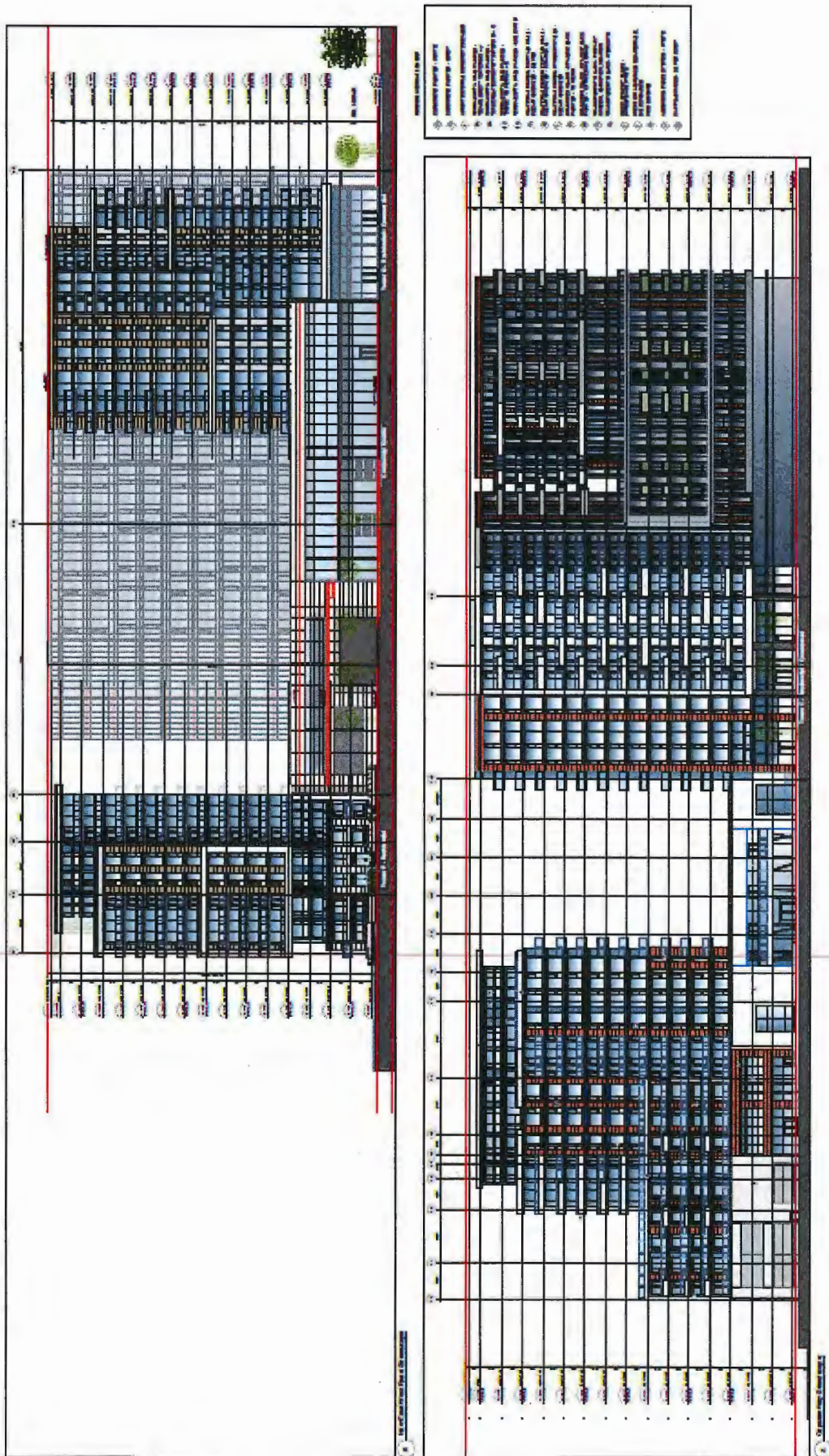


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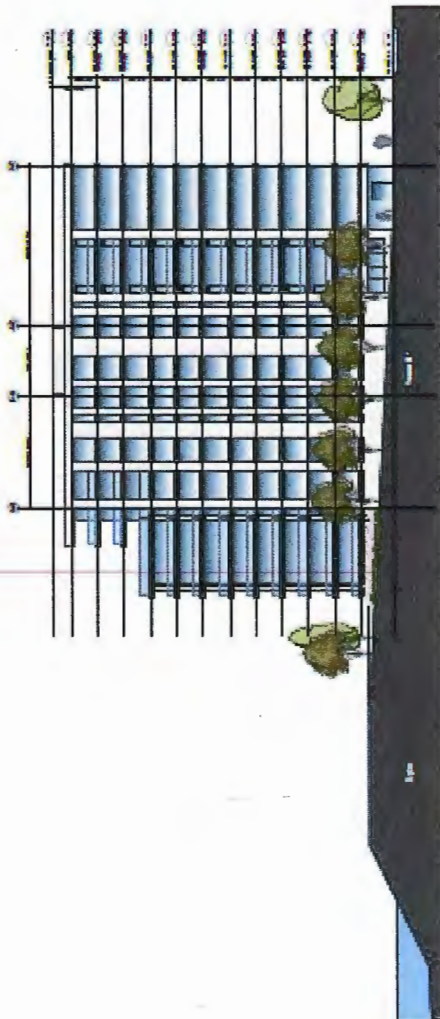


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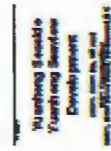




PLN - 70

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**PLN - 71**



- **Convergence** - 3rd May
- **Convergence** - 3rd May
- **Convergence** - 3rd May

1. What is the purpose of the study?  
 2. What are the research objectives?  
 3. What is the research methodology?  
 4. What are the results of the study?  
 5. What are the conclusions of the study?

A210













**Scale**

1" = 20'

1" = 40'

1" = 80'

**Legend**

1" = 20'

1" = 40'

1" = 80'

**eta**

Environmental Technology Associates, Inc.

10000 1st Avenue, Suite 100

San Diego, CA 92121

Phone: (619) 594-1100

Fax: (619) 594-1101

www.etaenv.com

**Project**

**Yearling Seaside**

10000 1st Avenue, Suite 100

San Diego, CA 92121

Phone: (619) 594-1100

Fax: (619) 594-1101

www.etaenv.com

**Client**

**Seaside North**

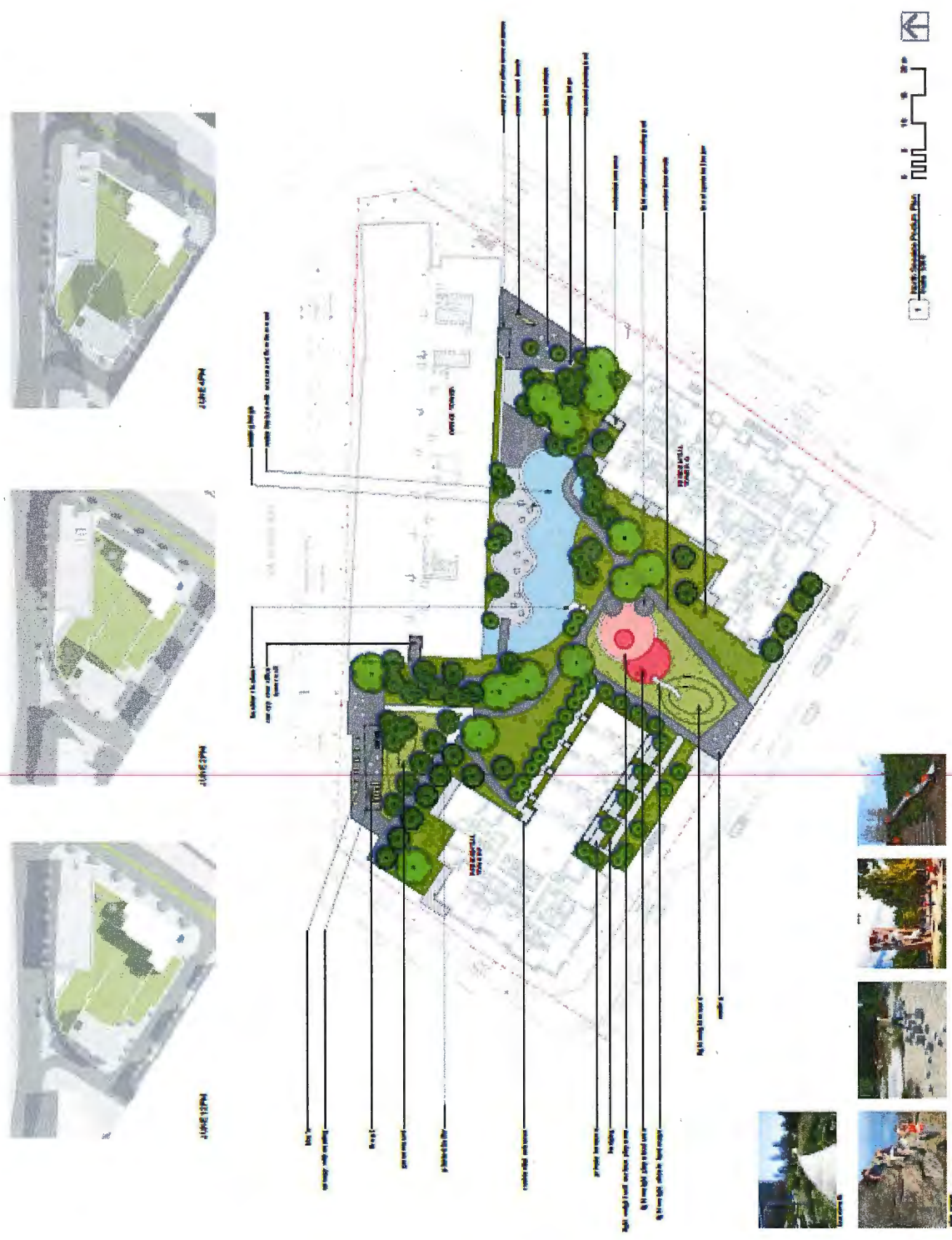
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**Scale**

1" = 20'

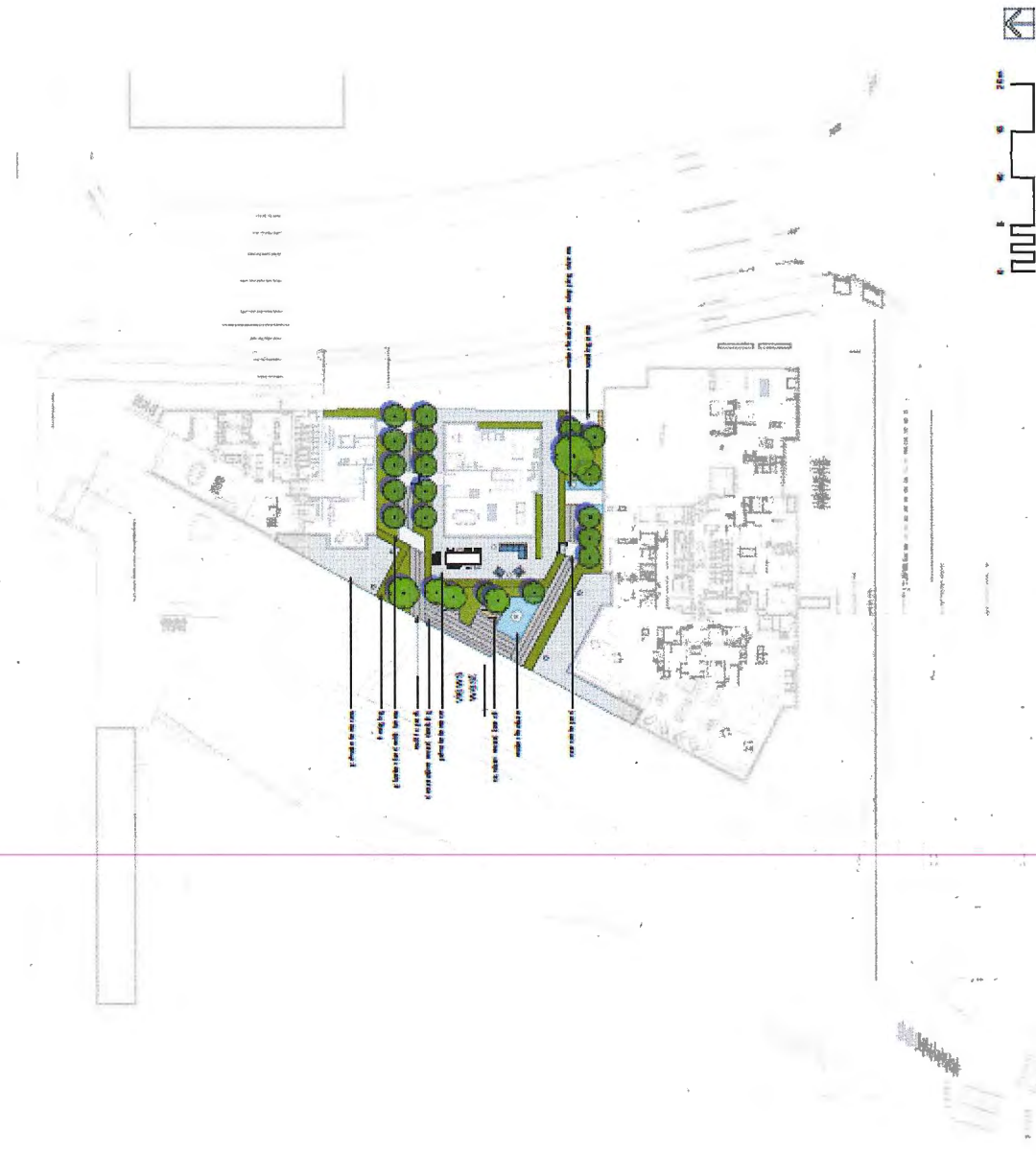
1" = 40'

1" = 80'



PLN - 75







**City of  
Richmond**

September 15, 2016  
**Rezoning Considerations**  
 Development Applications Department  
 6911 No. 3 Road, Richmond, BC V6Y 2C1

**Address:** 3031, 3211, 3231, 3291, 3311, 3331, 3351 No. 3 Road,  
8151 Capstan Way, and 8051 and 8100 River Road

**File No.:** RZ 12-603040

**Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 9594, the developer is required to complete the following:**

1. OCP Bylaw: Final Adoption of OCP Amendment Bylaw 9593.
2. Ministry of Transportation & Infrastructure (MOTI): Final MOTI Approval.

NOTE: Preliminary approval and a subsequent extension from MOTI have been received and are on file.  
 (REDMS #5143264) Expiration date: August 23, 2017.

3. Ministry of Environment (MOE): Certificate of Compliance or alternative approval to proceed granted from MOE regarding potential site contamination issues.

NOTE: This approval is required prior to the dedication or fee simple transfer of any land or road to the City.

4. Subdivision: Registration of a Subdivision Plan for the subject site, to the satisfaction of the City.

***Prior to the registration of a Subdivision Plan, the following conditions shall be satisfied:***

4.1. Dedications:

- 4.1.1. Riverfront Park and Dike: Transfer of 8051 River Road in its entirety, 2,963.0 m<sup>2</sup> (31,893.5 ft<sup>2</sup>), to the City as fee simple for park, dike, and related purposes, as per the Preliminary Subdivision Plan (**Schedule A**). The primary business terms of the required land transfer shall be to the satisfaction of the Manager of Real Estate Services, the City Solicitor, the Director of Engineering, and the Director of Development. All costs associated with the land transfer shall be borne by the developer.

- 4.1.2. Road: Dedication of 5,132.0 m<sup>2</sup> (55,240.4 ft<sup>2</sup>) for road purposes, as per the Preliminary Subdivision Plan (**Schedule A**), including:

- a) **East-West Street**: 1,956.0 m<sup>2</sup> (21,054.2 ft<sup>2</sup>) in the form of a linear strip of land for the establishment of a new East-West Street linking No. 3 Road with Corvette Way, together with corner cuts at all intersections and related landscape features;

NOTE: 123.0 m<sup>2</sup> (1,324.0 ft<sup>2</sup>) of the East-West Street, where it provides for an expanded public pedestrian area adjacent to the proposed Community Centre, shall be included in the calculation of the developer's Capstan Station Bonus Public Open Space contribution.

- b) **No. 3 Road**: 1,289.0 m<sup>2</sup> (13,874.7 ft<sup>2</sup>) in the form of a strip of land of varying width along the west side of No. 3 Road for road widening and related landscape features, plus 8.0 m<sup>2</sup> (86.1 ft<sup>2</sup>) for a corner cut at Sea Island Way;
- c) **Capstan Way**: 1,243.0 m<sup>2</sup> (13,379.6 ft<sup>2</sup>) in the form of strips of land of varying widths along the north side of Capstan Way for road widening and related landscape features, including:

- Within 3.5 m (11.5 ft) of the back of the proposed curb (i.e. ultimate alignment, excluding curb extensions), 320.0 m<sup>2</sup> (3,444.5 ft<sup>2</sup>) west of Corvette Way and 78.0 m<sup>2</sup> (839.6 ft<sup>2</sup>) east of Corvette Way; and



- More than 3.50 m (11.48 ft) from the back of the proposed curb (i.e. measured to the back of the proposed City sidewalk), 559.0 m<sup>2</sup> (6,017.0 ft<sup>2</sup>) west of Corvette Way and 286.0 m<sup>2</sup> (3,078.5 ft<sup>2</sup>) east of Corvette Way; and
- d) **Corvette Way:** 636.0 m<sup>2</sup> (6,845.9 ft<sup>2</sup>) in the form of two strips of land of varying width along the east and south sides of Corvette Way for road widening and related landscape features, including one north of the proposed East-West Street (37.0 m<sup>2</sup> / 398.3 ft<sup>2</sup>) and one to the south (599.0 m<sup>2</sup> / 6,447.6 ft<sup>2</sup>).

4.1.3. **Former Railway Right-of-Way:** Dedication of the portion of the City-owned, former railway right-of-way located between Capstan Way and Sea Island Way for road purposes (e.g., a new road linkage between River Road and Corvette Way, widening of the existing south leg of Corvette Way, and widening of the existing portion of River Road situated north of 8051 and 8100 River Road) and related landscape features.

**NOTE:** Regarding section 4.1, the eligibility of the required dedications for use with respect to floor area calculations, Capstan Station Bonus (CSB) public open space requirements (**Schedule C**), and Development Cost Charge (DCC) credits vary as generally indicated in Table 1 below.

**TABLE 1**

Dedications		Eligible for Floor Area Calculation as per Zoning District ZMU30	Eligible as CSB Public Open Space	Eligible for DCC (Land) Credits
4.1.1	Riverfront Park & Dike	Yes	Yes	No
4.1.2(a)	Road – East-West Street	Yes (CCAP “Minor Street”)	Limited portion	No
4.1.2(b)	Road – No 3 Road	No	No	Yes
4.1.2(c)	Road – Capstan Way: (i) Within 3.5 m of back of curb (ii) Beyond 3.5 m of back of curb	(i) No (ii) Yes	(i) No (ii) Yes	(i) Yes (ii) No
4.1.2(d)	Road – Corvette Way	No	No	No
4.1.2(d)	Road – Sea Island Way	No	No	No
4.1.3	Former Railway Right-of-Way	No	No	No

4.2. **Lot Consolidation and Subdivision:** The creation of three (3) lots for development purposes, as per the Preliminary Subdivision Plan (**Schedule A**), including:

4.2.1. **Lot A (Seaside South):** 13,202.0 m<sup>2</sup> (142,105.1 ft<sup>2</sup>);

4.2.2. **Lot B (Seaside North):** 9,177.0 m<sup>2</sup> (98,780.4 ft<sup>2</sup>); and

4.2.3. **Lot C (Seaview):** 2,264.0 m<sup>2</sup> (24,369.5 ft<sup>2</sup>).

4.3. **No Separate Sale:** Registration of legal agreements on the two (2) lots created for the purpose of the subject development (i.e. Lot A and Lot B, Seaside South and North), as per the Preliminary Subdivision Plan (**Schedule A**), and Lot C (Seaview) requiring that the three (3) lots may not be sold or otherwise transferred separately without prior approval of the City, to ensure that legal agreement and business terms related to financial, legal, development, and other obligations assigned to each of the lots as a result of the subject rezoning are transferred and secured to the satisfaction of the Director of Development and City Solicitor.

4.4. **Right-of-Ways (SRWs):**

**NOTE:**

- Only the required SRW areas for the Community Centre Plaza, section 4.4.1(a) and Capstan Way Plaza, section 4.4.1(d), are eligible for use with respect to Capstan Station Bonus (CSB) public open space requirements (as provided for via the subject development’s proposed site specific zone) (**Schedule C**); and

- The subject development is not eligible for Development Cost Charge (DCC) credits with respect to SRWs areas or works undertaken by the developer within SRW areas.

4.4.1. Public Rights of Passage: Registration of SRWs, as per the Preliminary Statutory Right-of-Way Plan (**Schedule B**), to facilitate public access and related landscaping and infrastructure as generally described below.

- a) **Community Centre Plaza North & South:** A SRW area comprised of two areas of varying dimensions along north and south sides of the proposed East-West Street, including the frontage of the Community Centre on Lot B and the northeast corner of Lot A, to accommodate public access and activities complementary to the programming and operation of the Community Centre and related landscape features. The combined total size of the SRW area shall be a minimum of 183.0 m<sup>2</sup> (1,969.8 ft<sup>2</sup>), including 125.0 m<sup>2</sup> (1,345.5 ft<sup>2</sup>) on Lot B and 58.0 m<sup>2</sup> (624.3 ft<sup>2</sup>) on Lot A, as indicated in the Preliminary Statutory Right-of-Way Plan (**Schedule B**). The ultimate size and configuration of the SRW area shall be confirmed to the satisfaction of the City via the Development Permit\* review and related approval processes for the Lot A, Lot B, and the Community Centre.
- The right-of-way shall provide for:
  - i) 24 hour-a-day, universally accessible, public access in the form of paved walkway and related landscape features, which may include, but may not be limited to, lighting, furnishings, street trees and planting, decorative paving, and innovative storm water management measures, to the satisfaction of the City;
  - ii) Public access to the Community Centre and other fronting, on-site uses (e.g., commercial retail units, residential lobby);
  - iii) Community Centre-related programming, classes, events, movable furnishings and planting, displays and exhibits (e.g., artworks), and related features and formal and informal activities on a temporary and/or permanent basis provided that public access to adjacent commercial retail units, residential lobby, and other on-site uses is not obstructed.
  - iv) Emergency and service vehicle access, City bylaw enforcement, and any related or similar City-authorized activities;
  - v) The owner-developer's ability to close a portion of the right-of-way to public access to facilitate maintenance or repairs to the right-of-way or the fronting uses, provided that adequate public access is maintained and the duration of the closure is limited, as approved by the City in writing in advance of any such closure;
  - vi) Design and construction, via a Development Permit\*, at the sole cost and responsibility of the developer, as determined to the satisfaction of the City; and
  - vii) Maintenance at the sole cost of the owner-developer, except for any City sidewalks, utilities, streetlights, street trees, and furnishings.
- In addition, the right-of-way shall provide for:
  - i) Building encroachments, provided that such encroachments do not conflict with the design, construction, or intended use or operation of the SRW area (e.g., tree planting, pedestrian access, public activities), as specified in a Development Permit\* approved by the City, including building encroachments situated:
    - Fully below the finished grade of the right-of-way; and
    - Above the finished grade of the right-of-way, limited to pedestrian weather protection, architectural appurtenances, and signage, provided that any such encroachments do not project into the right-of-way beyond that which would be otherwise permitted under the Zoning Bylaw (had the right-of-way not been in effect) and there is a clear distance of at least 2.3 m between the finished grade of the right-of-way and the underside of any such encroachment;
  - ii) Public art; and

- iii) City utilities, traffic control (e.g., signals), and/or related equipment; and
- The right-of-way shall not provide for:
  - i) Driveway crossings or vehicle access, except as provided for above.
- b) **Sea Island Greenway:** A right-of-way along the subject site's Sea Island Way frontage (i.e. Lot B) for the establishment of a landscaped area complementing the multi-use (shared pedestrian/bike) path and related landscape features proposed within the fronting dedicated City road right-of-way (Sea Island Way). The SRW area shall provide for a landscaped area measuring at least 3.0 m (9.84 ft) from the south edge of the multi-use path to the building face (a portion of which width may be within the dedicated road right-of-way) and shall have a minimum area of 50.0 m<sup>2</sup> (538.2 ft<sup>2</sup>), as indicated in the Preliminary Statutory Right-of-Way Plan (**Schedule B**). The ultimate size and configuration of the SRW area shall be confirmed to the satisfaction of the City via the Development Permit\* review and related approval processes for Lot B.
- The right-of-way shall provide for:
  - i) 24 hour-a-day, universally accessible, public access in the form of paved walkway, off-street bike path, and related landscape features, which may include, but may not be limited to, lighting, furnishings, street trees and planting, decorative paving, and innovative storm water management measures, to the satisfaction of the City;
  - ii) Public access to fronting on-site uses;
  - iii) Emergency and service vehicle access, City bylaw enforcement, and any related or similar City-authorized activities;
  - iv) The owner-developer's ability to close a portion of the right-of-way to public access to facilitate maintenance or repairs to the right-of-way or the fronting uses, provided that adequate public access is maintained and the duration of the closure is limited, as approved by the City in writing in advance of any such closure;
  - v) Design and construction, via a Development Permit\* or Servicing Agreement\*, at the sole cost and responsibility of the developer, as determined to the satisfaction of the City; and
  - vi) Maintenance at the sole cost of the owner-developer, except for any City sidewalks, utilities, streetlights, street trees, and furnishings.
- In addition, the right-of-way shall provide for:
  - i) Building encroachments, provided that such encroachments do not conflict with the design, construction, or intended use or operation of the SRW area (e.g., tree planting, pedestrian access), as specified in a Development Permit\* approved by the City, including building encroachments situated:
    - Fully below the finished grade of the right-of-way; and
    - Above the finished grade of the right-of-way, limited to pedestrian weather protection, architectural appurtenances, and signage, provided that any such encroachments do not project into the right-of-way beyond that which would be otherwise permitted under the Zoning Bylaw (had the right-of-way not been in effect) or as otherwise determined to the satisfaction of the City as specified in an approved Development Permit\* and there is a clear distance of at least 2.3 m between the finished grade of any portion of the right-of-way intended as a pedestrian or bicycle route (path) and the underside of any encroachment;
  - ii) Public art; and
  - iii) City utilities, traffic control (e.g., signals), and/or related equipment; and
- The right-of-way shall not provide for:
  - i) Driveway crossings or vehicle access, except as provided for above.

- c) **River Road Park Entrance:** A roughly rectangular area at the north end of Lot C (Seaview) for the establishment of a small plaza area accommodating pedestrian and bike access to/from the proposed riverfront dike/park and related landscape features, in coordination with the establishment of the proposed road linkage between River Road and Corvette Way. The size of the SRW area shall be a minimum of 67.0 m<sup>2</sup> (721.2 ft<sup>2</sup>), as indicated in the Preliminary Statutory Right-of-Way Plan (**Schedule B**). The ultimate size and configuration of the SRW area shall be confirmed to the satisfaction of the City via the Development Permit\* review and related approval processes for Lot C.
- The right-of-way shall provide for:
    - i) 24 hour-a-day, universally accessible, public access in the form of paved walkway, off-street bike path, and related landscape features, which may include, but may not be limited to, lighting, furnishings, street trees and planting, decorative paving, and innovative storm water management measures, to the satisfaction of the City;
    - ii) Public access to fronting on-site uses;
    - iii) Emergency and service vehicle access, City bylaw enforcement, and any related or similar City-authorized activities;
    - iv) The owner-developer's ability to close a portion of the right-of-way to public access to facilitate maintenance or repairs to the right-of-way or the fronting uses, provided that adequate public access is maintained and the duration of the closure is limited, as approved by the City in writing in advance of any such closure;
    - v) Design and construction, via a Development Permit\* or Servicing Agreement\*, at the sole cost and responsibility of the developer, as determined to the satisfaction of the City; and
    - vi) Maintenance at the sole cost of the owner-developer, except for any City sidewalks, utilities, streetlights, street trees, and furnishings.
  - In addition, the right-of-way shall provide for:
    - i) Vehicle loading, waste pick-up, and related activities required with respect to proposed on-site residential uses, provided that such features and activities do not conflict with the design, construction, or intended use or operation of the SRW area (e.g., loading area must be clearly demarcated; loading activities and vehicles must be clear of public pedestrian and bicycle movements; waste carts and bins must not be stored within the SRW area; the area must be safe and attractive at all times), as specified in a Development Permit\* approved by the City;
    - ii) Building encroachments, provided that such encroachments do not conflict with the design, construction, or intended use or operation of the SRW area (e.g., tree planting, pedestrian/bike access, utilities), as specified in a Development Permit\* approved by the City, including building encroachments situated:
      - 7.0 m or more above the finished grade of the SRW area; and
      - Less than 7.0 m above the finished grade of the SRW area, provided that such encroachments are limited to columns and structural elements, pedestrian weather protection, architectural appurtenances, and signage;
    - iii) Public art; and
    - iv) City utilities, traffic control (e.g., signals), and/or related equipment; and
  - The right-of-way shall not provide for:
    - i) Building encroachments situated below finished grade; or
    - ii) Driveway crossings or vehicle access, except as provided for above.
- d) **Capstan Way Plaza:** A SRW area of varying width along the Capstan Way frontage of Lot A (Seaview), near No. 3 Road, for sidewalk widening. The size of the SRW area shall be a minimum of 136.0 m<sup>2</sup> (1,463.9 ft<sup>2</sup>), as indicated in the Preliminary Statutory Right-of-Way Plan (**Schedule B**). The ultimate size and configuration of the SRW area shall be confirmed



to the satisfaction of the City via the Development Permit\* review and related approval processes for Lot A.

- The right-of-way shall provide for:
  - i) 24 hour-a-day, universally accessible, public access in the form of paved walkway, off-street bike path, and related landscape features, which may include, but may not be limited to, lighting, furnishings, street trees and planting, decorative paving, and innovative storm water management measures, to the satisfaction of the City;
  - ii) Public access to fronting on-site uses;
  - iii) Emergency and service vehicle access, City bylaw enforcement, and any related or similar City-authorized activities;
  - iv) The owner-developer's ability to close a portion of the right-of-way to public access to facilitate maintenance or repairs to the right-of-way or the fronting uses, provided that adequate public access is maintained and the duration of the closure is limited, as approved by the City in writing in advance of any such closure;
  - v) Design and construction, via a Development Permit\* or Servicing Agreement\*, at the sole cost and responsibility of the developer, as determined to the satisfaction of the City; and
  - vi) Maintenance at the sole cost of the owner-developer, except for any City sidewalks, utilities, streetlights, street trees, and furnishings.
- In addition, the right-of-way shall provide for:
  - i) Building encroachments, limited to pedestrian weather protection, architectural appurtenances, and signage, provided that any such encroachments do not project into the right-of-way beyond that which would be otherwise permitted under the Zoning Bylaw (had the right-of-way not been in effect) or as otherwise determined to the satisfaction of the City as specified in an approved Development Permit\* and there is a clear distance of at least 2.3 m between the finished grade of any portion of the right-of-way intended as a pedestrian or bicycle route (path) and the underside of any encroachment;
  - ii) Public art; and
  - iii) City utilities, traffic control (e.g., signals), and/or related equipment; and
- The right-of-way shall not provide for:
  - i) Driveway crossings or vehicle access, except as provided for above.

4.4.2. Utilities: Registration of SRWs to facilitate City utilities and related infrastructure as generally described below.

- a) ***Skyline Pump Station Equipment***: A SRW area comprised of a minimum 4.0 m by 15.0 m (13.1 ft. by 49.2 ft.) SRW area behind the building face for aboveground and underground equipment, together with a 15.0 (49.2 ft.) wide SRW area between the building face and the property line for access and underground equipment. The SRW shall accommodate the current and future aboveground structures relating to the pump station, including, but not limited to, a generator, utility kiosk, and pad-mounted transformer (PMT). No underground structures are permitted within the SRW, and there must be a minimum 5.0 m (16.4 ft.) of vertical clearance to any overhanging structures. The SRW details are to be finalized via the developer's first Servicing Agreement\* (SA #1). The SRW details for the PMT shall be coordinated with BC Hydro and conform to their specifications, to the satisfaction of the City.

4.4.3. Additional Right-of-Ways: As determined to the sole satisfaction of the City via the Servicing Agreement\* and/or Development Permit\* processes.

5. Driveway Crossings: Registration of a legal agreement(s) on title requiring that vehicle access to the subject site shall be limited to the following:
  - 5.1. Lot A (Seaside South):
    - 5.1.1. One driveway crossing along the south side of the proposed East-West Street; and
    - 5.1.2. One driveway along the east side of Corvette Way;
  - 5.2. Lot B (Seaside North): One driveway crossing along the north side of the proposed East-West Street; and
  - 5.3. Lot C (Seaview):
    - 5.3.1. One driveway crossing along the west side of Corvette Way; and
    - 5.3.2. One driveway at River Road at the north end of the lot, the use of which driveway shall be limited to loading, waste pick-up, and related activities only (as per the River Road Park Entrance SRW, section 4.4.1(c)).
6. Flood Construction: Registration of a flood indemnity covenant(s) on title, as per Flood Plain Designation and Protection Bylaw, Area "A" (i.e. minimum flood construction level of 2.9 m GSC).
7. Aircraft Noise Sensitive Development (ANSD): Registration of the City's standard aircraft noise sensitive use covenants on title to Lot A, Lot B, and Lot C, as applicable to sites with aircraft noise sensitive uses. The owner-developer shall notify all initial purchasers of the potential aircraft noise impacts. Furthermore, on a phase-by-phase basis, prior to each Development Permit\* and Building Permit\* issuance, the owner-developer shall submit a report(s) and/or letter(s) of assurance prepared by an appropriate registered professional, which demonstrates that the interior noise levels and thermal conditions comply with the City's Official Community Plan and Noise Bylaw requirements. The standard required for air conditioning systems and their alternatives (e.g. ground source heat pumps, heat exchangers and acoustic ducting) is the ASHRAE 55-2004 "Thermal Environmental Conditions for Human Occupancy" standard and subsequent updates as they may occur. Maximum interior noise levels (decibels) within dwelling units must achieve CMHC standards follows:

TABLE 2

Portions of Dwelling Units	Noise Levels (decibels)
Bedrooms	35 decibels
Living, dining, recreation rooms	40 decibels
Kitchen, bathrooms, hallways, and utility rooms	45 decibels

Applicable ANSD covenants shall include:

- 7.1. Lot A (Seaside South): Mixed use covenant;
  - 7.2. Lot B (Seaside North): Mixed use covenant; and
  - 7.3. Lot C (Seaview): Residential covenant.
8. Canada Line: Registration of a legal agreement(s) on title to Lot A and Lot B only requiring that the proposed development on the lots must be designed and constructed in a manner that mitigates potential Canada Line impacts (e.g., noise from trains and public areas, vibration, overlook, light spillage) on proposed adjacent dwelling units and other potential sensitive uses. The owner-developer shall notify all initial purchasers of the potential Canada Line impacts. Furthermore, on a phase-by-phase basis, prior to each Development Permit\* and Building Permit\* issuance, the owner-developer shall submit a report(s) and/or letter(s) of assurance prepared by an appropriate registered professional, which demonstrate that, among other things, for residential uses the interior noise levels and thermal conditions comply with City objectives including, for air conditioning systems and their alternatives (e.g. ground source heat pumps, heat exchangers and acoustic ducting), compliance with the ASHRAE 55-2004 "Thermal Environmental Conditions for Human Occupancy" standard and subsequent updates as they may occur and, for maximum interior noise levels (decibels) within dwelling units, CMHC standards as per **Table 2** (above).

9. View and Other Development Impacts: Registration of a restrictive covenant(s) on title to Lot A, Lot B, and Lot C, to the satisfaction of the City, requiring that the proposed development on the lots must be designed and constructed in a manner that mitigates potential development impacts including without limitation view obstruction, increased shading, increased overlook, reduced privacy, increased ambient noise, increased ambient night-time light potentially, and increased public use of fronting streets, sidewalks, and open spaces caused by or experienced as a result of, in whole or in part, development on the lands and future development on or the use of surrounding properties. In particular, the covenant shall notify residential tenants in mixed use buildings of potential noise and/or nuisance that may arise due to proximity to retail, restaurant, other commercial, and community centre uses and activities. The owner-developer shall notify all initial purchasers of the potential development impacts. Furthermore, on a phase-by-phase basis, prior to each Development Permit\* and Building Permit\* issuance, the owner-developer shall submit a report(s) and/or letter(s) of assurance prepared by an appropriate registered professional, which demonstrates that adequate development impact mitigation measures are incorporated into the building design.
10. Phasing Covenant: Registration of a restrictive covenant(s) and/or alternative legal agreement(s), to the satisfaction of the City, securing that "no development" will be permitted on the subject site and restricting Development Permit\* issuance (together with various Building Permit\* and occupancy restrictions, as determined to the satisfaction of the City), until the developer satisfies the following:
  - 10.1. General Requirements: Development must proceed on the following basis:
    - 10.1.1. The subject development shall include a maximum of three phases, the comprehensive design and development of each of which shall be addressed by one Development Permits\* (i.e. three in total), unless otherwise determined to the satisfaction of the Director of Development;
    - 10.1.2. The construction of the three phases shall proceed in order starting with Lot A (Seaside South), followed by Lot B (Seaside North), and ending with Lot C (Seaview), as generally illustrated in the Phasing Key Plan (**Schedule D**);
    - 10.1.3. Development Permit\* issuance, Building Permit\* issuance, and final Building Permit\* inspection granting occupancy of sequential phases (e.g., Phases 1 and 2) may proceed concurrently, but a later phase may not advance, in whole or in part, ahead of an earlier phase (e.g., Phase 2 shall not receive Building Permit\* issuance ahead of Phase 1); and
    - 10.1.4. Building Permit\* issuance for Lot B (Seaside North), including the Community Centre, affordable housing, and all ancillary uses and spaces, must proceed ahead of final Building Permit\* inspection granting occupancy for Lot A (Seaside South), in whole or in part.
  - 10.2. Off-Site Works: The developer shall enter into a series of Servicing Agreements\* (SA) for the design and construction of the Engineering (i.e. water, drainage, sanitary, Skyline pump station, and dike), Transportation, and Parks off-site works set out in the Servicing Agreement\* requirements contained in these Rezoning Considerations, to the satisfaction of the City. The required works are described as comprising SA #1, SA #2, and SA #, which Servicing Agreements\* must be entered into by the developer and secured with Letters of Credit as follows:
    - 10.2.1. SA #1: Prior to rezoning adoption, the developer must enter into the first Servicing Agreement(s)\*, secured with a Letter(s) of Credit, which works shall be complete to the City's satisfaction prior to final Building Permit\* inspection granting occupancy for Lot A (Seaside South);
    - 10.2.2. SA #2: Prior to Development Permit\* issuance for Lot B (Seaside North), the developer must enter into the second Servicing Agreement(s)\*, secured with a Letter(s) of Credit, which works shall be complete to the City's satisfaction prior to final Building Permit\* inspection granting occupancy for Lot B (Seaside North); and

10.2.3. SA #3: Prior to Development Permit\* issuance for Lot C (Seaview), the developer must enter into the third Servicing Agreement(s)\*, secured with a Letter(s) of Credit, which works shall be complete to the City's satisfaction prior to final Building Permit\* inspection granting occupancy for Lot C (Seaview).

NOTE: For the dike and park (which works will be the subject of SA #3), the developer shall be solely responsible for all necessary governmental approvals, environmental mitigation and compensation, and related requirements, to the satisfaction of the City.

11. District Energy Utility (DEU): Registration of a restrictive covenant(s) and/or alternative legal agreement(s), to the satisfaction of the City, securing the owner's commitment to connect to DEU, which covenant(s) and/or legal agreement(s) will include, at minimum, the following terms and conditions:
- 11.1. "No building" will be permitted on the subject site and restricting Building Permit\* issuance for the subject site, in whole or in part, unless the building is designed with the capability to connect to and be serviced by a DEU and the owner has provided an energy modelling report satisfactory to the Director of Engineering;
  - 11.2. If a DEU is available for connection, no final Building Permit\* inspection permitting occupancy of a building will be granted until the building is connected to the DEU and the owner enters into a Service Provider Agreement on terms and conditions satisfactory to the City and grants or acquires the Statutory Right-of-Way(s) and/or easements necessary for supplying the DEU services to the building; and
  - 11.3. If a DEU is not available for connection, then the following is required prior to the earlier of subdivision\* (stratification) or final Building Permit\* inspection permitting occupancy of a building:
    - 11.3.1. The City receives a professional engineer's certificate stating that the building has the capability to connect to and be serviced by a DEU;
    - 11.3.2. The owner enters into a covenant and/or other legal agreement to require that the building connect to a DEU when a DEU is in operation;
    - 11.3.3. The owner grants or acquires the Statutory Right-of-Way(s) and/or easements necessary for supplying DEU services to the building; and
    - 11.3.4. If required by the Director of Engineering, the owner provides to the City a letter of credit, in an amount satisfactory to the City, for costs associated with acquiring any further Statutory Right of Way(s) and/or easement(s) and preparing and registering legal agreements and other documents required to facilitate the building connecting to a DEU when it is in operation.
12. Capstan Station Bonus (CSB): Registration of a restrictive covenant(s) and/or alternative legal agreement(s), to the satisfaction of the City, securing that "no building" will be permitted on the subject site and restricting Building Permit\* issuance for the subject site, in whole or in part, until the developer, on a phase-by-phase basis, contributes to the Capstan station reserve or as otherwise provided for via the Zoning Bylaw.
- 12.1. Capstan Station Reserve: Preliminary estimated developer contributions are as indicated in the following table; however, the actual value of developer contributions shall vary, determined on a phase-by-phase basis, based on the actual number of dwelling units in each phase and the City-approved Capstan Station Reserve Voluntary Contribution rate in effect at the date of Building Permit\* approval.

**TABLE 3**

Phase	Lot	No. of Dwelling Units <i>Preliminary estimate</i>	Capstan Station Reserve Voluntary Contribution <i>Preliminary estimate (1)</i>
1	A (Seaside South)	570	\$4,698,390
2	B (Seaside North)	225	\$1,854,628
3	C (Seaview)	55	\$453,354
<b>TOTAL</b>		<b>850</b>	<b>\$7,006,372</b>

(1) Estimate based on the City rate in effect as of October 1, 2015 (i.e. \$8,242.79/dwelling). Actual contributions shall be in accord with Zoning Bylaw rates in effect phase-by-phase at the time of Building Permit\* approval.



12.2. **Public Open Space:** The developer is required to provide public open space in compliance with the CSB policy and ZMU30 zone at a rate of 5.0 m<sup>2</sup> (53.82 ft<sup>2</sup>) per dwelling unit or 4,250.0 m<sup>2</sup> (45,746.7 ft<sup>2</sup>), whichever is greater. The ZMU30 zone permits a maximum of 850 dwellings (i.e. the combined total number of dwellings on Lot A, Lot B, and Lot C). Based on this, prior to rezoning adoption, the developer shall provide at least 4,250.0 m<sup>2</sup> (45,746.7 ft<sup>2</sup>) of public open space with respect to this requirement in a combination of fee simple (park) transferred to the City, road dedication expressly intended for public open space purposes, and Public Rights of Passage SRW areas. **(Schedule C)** If the combined total number of dwellings on Lot A, Lot B, and Lot C is less than 850, no reduction shall be permitted in the amount of public open space required.

13. **River Road Widening:** Registration of a restrictive covenant(s) and/or alternative legal agreement(s) on title requiring that no development shall be permitted on Lot C (Seaview), restricting Development Permit\* issuance for Lot C until the developer enters into the City's standard Servicing Agreement to design and construct (at the developer's sole cost) road widening and related improvements along the portion of River Road and the former railway right-of-way located north of Lot C as generally indicated in the Preliminary Functional Roads Plan **(Schedules E)** and described in these Rezoning Considerations with respect to Servicing Agreement works required to satisfy the subject rezoning application, together with all necessary modifications to existing vehicle and pedestrian access to fronting properties, all as determined to the satisfaction of the Director of Development, Director of Transportation, Director of Engineering, and Senior Manager, Parks.

14. **Transitional Parking and Transportation Demand Management (TDM) Strategy:** City acceptance of the developer's offer to voluntarily contribute improvements, cash-in lieu of improvements, and the registration of legal agreements on title to ensure that the subject development proceeds in conformance with Zoning Bylaw requirements with respect to Parking Zone 1A (Capstan Village) and specific TDM measures.

**NOTE:**

- Based on the developer's voluntary contributions, the applicable parking rates shall be the "ZMU30 (Reduced) Minimum Rate" as indicated in the table below.
- If the development's number of parking spaces exceeds the reduced minimum rate (as determined based on an approved Development Permit(s)\* and/or Building Permit(s)\*), the developer's obligation to provide the agreed transitional parking and TDM measures set out below shall be undiminished.
- Development Cost Charge credits shall not apply.

**TABLE 5**

Use	Zoning Bylaw (Unreduced) Minimum Rate	ZMU30 (Reduced) Minimum Rate
Community Centre	<ul style="list-style-type: none"> <li>▪ For exclusive use (1): 60 spaces</li> <li>▪ For shared use (2): 22 spaces</li> <li>▪ Total: 82 spaces</li> </ul>	<ul style="list-style-type: none"> <li>▪ For exclusive use (1): 52 spaces</li> <li>▪ For shared use (2): 20 spaces</li> <li>▪ For program/service vehicle use (3): 2 spaces</li> <li>▪ Total: 74 spaces</li> </ul>
Commercial (4)	<ul style="list-style-type: none"> <li>▪ For 1<sup>st</sup> storey: 4.2 spaces/100 m<sup>2</sup> gla</li> <li>▪ For above 2<sup>nd</sup> storey: City-wide parking rates for retail, restaurant, and office LESS 5%</li> </ul>	Parking Zone 1 rate LESS 10% (5): <ul style="list-style-type: none"> <li>▪ For 1<sup>st</sup> &amp; 2<sup>nd</sup> storeys: 3.375 spaces/100 m<sup>2</sup> gla (i.e. 3.75 spaces/100 m<sup>2</sup> gla LESS 10%)</li> <li>▪ For above 2<sup>nd</sup> storey: 1.1475 spaces/100 m<sup>2</sup> gla (i.e. 1.5 spaces/100 m<sup>2</sup> gla LESS 15% LESS 10%)</li> </ul>
Residents	<ul style="list-style-type: none"> <li>▪ For Market Housing: 1.2 spaces/unit</li> <li>▪ For Affordable Housing: 0.9 spaces/unit</li> </ul>	<ul style="list-style-type: none"> <li>▪ For Market Housing: 1.0 space/unit (i.e. Parking Zone 1 rate without any further reduction)</li> <li>▪ For Affordable Housing: 0.81 spaces/unit (i.e. Parking Zone 1 rate LESS 10%)</li> </ul>
Residential Visitors	<ul style="list-style-type: none"> <li>▪ For Lots A &amp; B (Seaside South &amp; North): 0.2 spaces/unit, but may be reduced to nil based on City- approved design (i.e. shared with commercial parking)</li> <li>▪ For Lot C (Seaview): 0.2 spaces/unit</li> </ul>	<ul style="list-style-type: none"> <li>▪ For Lot A (Seaside South): 0.054 spaces/unit (i.e. Parking Zone 1 rate LESS 10% LESS 70% shared with "Public" Commercial Parking)</li> <li>▪ For Lot B (Seaside North): Nil (100% shared with "Public" Commercial Parking)</li> <li>▪ For Lot C (Seaview): 0.18 spaces/unit (i.e. Parking Zone 1 rate LESS 10%)</li> </ul>

- (1) Community Centre "exclusive" spaces shall be located on Lot B (Seaside North) and reserved 24/7 for the exclusive use of Community Centre staff, guests, visitors, and related activities and secured with legal agreements registered on title.

- (2) Community Centre "shared" parking spaces shall be located on Lot B (Seaside North) and be reserved for exclusive use during specified days and hours to the satisfaction of the City and secured with legal agreements registered on title. (When not reserved for Community Centre use, the shared spaces shall be "Assigned" Commercial Parking spaces.)
  - (3) Community Centre "program/service vehicle" spaces shall be located on Lot B (Seaside North) and reserved 24/7 for the exclusive use of Community Centre for program, operations, maintenance, and related activities and secured with legal agreements registered on title.
  - (4) On Lots 1 and 2 (Seaside South and North), for non-residential uses other than office that are permitted above the second floor (as per the ZMU30 zone), Parking Zone 1 parking rates shall apply (i.e. TDM reductions shall not apply). No commercial use will be permitted on Lot C (Seaview).
  - (5) Commercial parking shall include the car-share parking spaces described below as one of the developer's voluntary contributions.
- 14.1. Cash-in-Lieu Contribution: City acceptance of the developer's voluntary contribution in the amount of \$200,000.00 towards special pedestrian crossing(s) of Sea Island Way and related improvements, to the satisfaction of the City. (MOTI approval required for City design/construction of proposed features.)
- 14.2. End-of-Trip Cycling Facilities & "Class 1" Bike Storage for Non-Residential Uses: Registration of a restrictive covenant(s) on Lot A (Seaside South) and Lot B (Seaside North) for the purpose of requiring that the developer/owner provides, installs, and maintains end-of-trip cycling facilities and "Class 1" bike storage on Lot A (Seaside South) and Lot B (Seaside North) (i.e. facilities and bike storage must be located on both lots) for the use of the non-residential tenants of the buildings on those lots, to the satisfaction of the City as determined via the applicable lot-by-lot Development Permit\* review/approval processes. More specifically:
- 14.2.1. The developer/owner shall, at its sole cost, design, install, and maintain on each lot:
    - a) One end-of-trip cycling facility for each gender for the shared use of the development's non-residential tenants and, as applicable, affordable housing building staff (i.e. not residents of market or affordable housing units); and
    - b) "Class 1" bike storage spaces for non-residential tenants of the building and, as applicable, affordable housing building staff (i.e. not residents of market or affordable housing units), as per the Zoning Bylaw, which storage must include 120V electric vehicle (EV) charging stations (i.e. duplex outlets) for the shared use of cyclists at a rate of 1 charging station for each 10 bike storage spaces or as per the Zoning Bylaw and Official Community Plan rates in effect at the time of Development Permit\* approval, whichever is greater;
  - 14.2.2. An end-of-trip cycling facility shall mean a handicapped-accessible suite of rooms containing a change room, toilet, wash basin, shower, lockers, and grooming station (i.e. mirror, counter, and electrical outlets) designed to accommodate use by two or more people at one time;
  - 14.2.3. For ease of use and security, the required end-of-trip cycling facilities shall be located immediately adjacent to the building's non-residential "Class 1" bike storage and the building's elevator/stair core, as determined to the satisfaction of the City via an approved Development Permit\*;
  - 14.2.4. "No development" shall be permitted on Lot A (Seaside South) or Lot B (Seaside North), restricting Development Permit\* issuance for a building on the lot, in whole or in part (exclusive of parking), until, on a lot-by-lot basis, the developer provides for the required end-of-trip cycling facilities and "Class 1" bike storage for non-residential uses to the satisfaction of the City;
  - 14.2.5. No Building Permit\* shall be issued for a building on Lot A (Seaside South) or Lot B (Seaside North), in whole or in part (exclusive of parking), until, on a lot-by-lot basis, the developer provides for end-of-trip cycling facilities and "Class 1" bike storage for non-residential uses and a Letter of Assurance is submitted by the architect confirming that the facilities satisfy the City's objectives; and

- 14.2.6. "No occupancy" shall be permitted on Lot A (Seaside South) or Lot B (Seaside North), restricting final Building Permit\* inspection granting occupancy for any building on the lot, in whole or in part (except for parking), until, on a lot-by-lot basis, the required end-of-trip cycling facilities and "Class 1" bike storage for non-residential uses are completed to the satisfaction of the City and have received final Building Permit\* inspection granting occupancy. Notwithstanding the afore mentioned statement, in the event that occupancy of the building on a lot is staged, "no occupancy" shall be permitted of any non-residential uses on the lot (excluding the Community Centre and parking), in whole or in part, until 100% of the end-of-trip cycling facilities and "Class 1" bike storage for non-residential uses required with respect to the lot receive final Building Permit\* inspection granting occupancy.
- 14.3. Car-Share Parking: Registration of a restrictive covenant(s) and/or alternative legal agreement(s) on title requiring that no development shall be permitted on Lot B (Seaside North), restricting Development Permit\* issuance for Lot B, until the developer provides for parking for 4 car-share vehicles within Lot B's designated Commercial "Public" Parking spaces (as per the required Commercial Parking covenant set out in section 15), together with electric vehicle (EV) charging stations, to the satisfaction of the City. More specifically, the car-share parking requirements for Lot B shall include the following.
- 14.3.1. The 4 car-share spaces shall be consolidated on the ground floor of Lot B's Commercial "Public" Parking area, immediately adjacent to the Community Centre's rear (i.e. parkade) patron entrance and the building's publicly-accessible breezeway/corridor linking the Commercial "Public" Parking area with Lot B's No 3 Road frontage, and provide for safe, convenient, universally-accessible public pedestrian use/access.
- 14.3.2. The car-share spaces shall be equipped with 2 electric vehicle (EV) quick-charge (240 V) charging stations for the exclusive use of the car-share vehicles (or as otherwise determined by the City), which charging stations shall be situated to provide for convenient use by vehicles parked in any of the 4 car share spaces.
- 14.3.3. The car share spaces (like all parking spaces within Lot B's designated Commercial "Public" Parking area) shall be available to the general public on a daily basis, the duration of which shall be equal to or greater than the greater of the operating hours of the Community Centre, transit services within 400 m (5 minute walk) of the lot, businesses located on Lot B, or as otherwise determined by the City.
- 14.3.4. Users of the car-share spaces shall not be subject to parking fees, except as otherwise determined at the sole discretion of the City.
- 14.3.5. "No development" shall be permitted on Lot B, restricting Development Permit\* issuance for a building on Lot B, in whole or in part (excluding parking), until the developer, to the City's satisfaction:
- a) Designs Lot B to provide for the car-share facility including 4 car-share spaces within the designated Commercial "Public" Parking area, access to/from the spaces for vehicles and pedestrians, and related features (e.g., EV 240V chargers, signage);
  - b) Secures the car-share facility via a statutory right-of-way(s) and easement(s) registered on title and/or other legal agreements;
  - c) Enters into a contract with a car-share operator for the operation of the car-share spaces for a minimum term of 3 years, which contract shall require, among other things, that:
    - The developer provides 2 car-share cars at no cost to the operator;
    - Electric vehicles shall comprise at least 50% of the car-share vehicles provided by the developer or as otherwise determined to the satisfaction of the operator and the City; and

- The required car-share facilities and vehicles will be 100% available for use upon Building Permit issuance granting occupancy of the first building on Lot B or as otherwise determined to the satisfaction of the operator and the City;
  - d) Provides a Letter of Credit (LOC) to the City to secure the developer's commitment to the provision of the car-share vehicles, the value of which shall be the estimated value of the 2 car-share cars or as otherwise determined to the satisfaction of the Director of Transportation and Director of Development; and
  - e) Registers legal agreement(s) on title requiring that, unless otherwise agreed to in advance by the City, in the event that the car-share facilities are not operated for car-share purposes as intended via the subject rezoning application (e.g., operator's contract is terminated or expires), control of the car-share facilities shall be transferred to the City, at no cost to the City, and the City at its sole discretion, without penalty or cost, shall determine how the facilities shall be used going forward.
- 14.3.6. No Building Permit\* shall be issued for a building on Lot B (Seaside North), in whole or in part (exclusive of parking), until the developer provides for the required car-share facilities to the satisfaction of the City.
- 14.3.7. "No occupancy" shall be permitted of Lot B, restricting final Building Permit\* inspection granting occupancy for any building on Lot B, in whole or in part (except for parking), until the required car-share facilities are completed to the satisfaction of the City and have received final Building Permit\* inspection granting occupancy.
15. Commercial Parking: Registration of a restrictive covenant(s) and/or alternative legal agreement(s) on title on Lot A (Seaside South) and Lot B (Seaside North) restricting the use of parking provided on-site in respect to non-residential uses (as per the Zoning Bylaw). More specifically, Commercial Parking requirements for the lots shall include the following.
- 15.1. Commercial Parking shall mean any non-residential parking spaces (excluding parking intended for the exclusive use of the Community Centre) as determined to the satisfaction of the City through an approved Development Permit(s)\*, including spaces required for the use of:
- 15.1.1. The general public;
  - 15.1.2. Businesses and tenants on the lots, together with their employees, visitors, and guests; and
  - 15.1.3. Residential visitors (including both those parking spaces that the ZMU30 zone permits to be calculated on a shared basis with non-residential uses and those that are not permitted to be calculated on a shared basis).
- 15.2. Commercial Parking shall include, on a lot-by-lot basis:
- 15.2.1. No less than 50% Public Parking spaces, which spaces shall be designated by the owner/operator exclusively for short-term (e.g., hourly) parking by the general public; and
  - 15.2.2. No more than 50% Assignable Parking spaces, which spaces may be designated, sold, leased, reserved, signed, or otherwise assigned by the owner/operator for the exclusive use of employees or specific persons or businesses.
- 15.3. Public Parking spaces shall:
- 15.3.1. Include, but may not be limited to, 85% of the commercial parking spaces located at the entry level of each lot's parking structure or as otherwise determined to the satisfaction of the Director of Transportation;
  - 15.3.2. Include the 4 car-share parking spaces and related features required to satisfy the subject development's Transitional Parking and Transportation Demand Management (TDM) Strategy requirements (as per section 14) with respect to the subject rezoning application;



- 15.3.3. Include residential visitor parking (in the form of shared parking as approved through a Development Permit\*), which residential visitors shall be permitted to use the Public Parking on the same terms as members of the general public; and
- 15.3.4. Be available for use 365 days per year for a daily duration equal to or greater than the greater of the operating hours of the Community Centre, transit services within 400 m (5 minute walk) of the lot, businesses located on the lot, or as otherwise determined by the City.
- 15.4. Commercial Parking shall not include tandem parking.
- 15.5. Commercial Parking must, on a lot-by-lot basis, with respect to both Public Parking and Assignable Parking, include a proportional number of handicapped parking spaces, small car parking spaces, and spaces equipped with electric vehicle charging equipment, as per the Zoning Bylaw and legal agreements registered on title with respect to the subject rezoning.
- 15.6. “No development” shall be permitted on Lot A (Seaside South) or Lot B (Seaside North), restricting Development Permit\* issuance for a building on the applicable lot, in whole or in part (exclusive of parking), until, on a lot-by-lot basis, the developer provides for the required Commercial (Public and Assignable) Parking and related features to the satisfaction of the City.
- 15.7. No Building Permit\* shall be issued for a building on Lot A (Seaside South) or Lot B (Seaside North), in whole or in part (exclusive of parking), until, on a lot-by-lot basis, the developer provides for the required Commercial (Public and Assignable) Parking and a Letter of Assurance is submitted by the architect confirming that the facilities satisfy the City’s objectives.
- 15.8. “No occupancy” shall be permitted on Lot A (Seaside South) or Lot B (Seaside North), restricting final Building Permit\* inspection granting occupancy for any building on the applicable lot, in whole or in part (except for parking), until the required Commercial (Public and Assignable) Parking and related features are completed to the satisfaction of the City and have received final Building Permit\* inspection granting occupancy. Notwithstanding the afore mentioned statement, in the event that occupancy of the building on a lot is staged, “no occupancy” shall be permitted of the building (excluding parking), in whole or in part, until, on a lot-by-lot basis, 100% of the Public Parking spaces required with respect to the lot receive final Building Permit\* inspection granting occupancy.
16. Electric Vehicle (EV) Charging Equipment for Vehicles and “Class 1” Bike Storage: Registration of legal agreement(s) on Lot A (Seaside South), Lot B (Seaside North), and Lot C (Seaview) requiring that the developer/owner provides, installs, and maintains electrical vehicle (EV) charging equipment within the building for the use of building residents, commercial tenants, guests, customers, and other users as determined to the satisfaction of the City on a Development Permit\*-by-Development Permit\* (lot-by-lot) basis. More specifically:
- 16.1. Electrical vehicle (EV) equipment shall be provided as indicated in the table below or in compliance with the City-approved rates in effect at the time of Development Permit\* issuance, on a Development Permit\* -by- Development Permit\* basis, whichever is greater.

TABLE 6

Electric Vehicle (EV) Charging Equipment by Use	Parking (240V) Minimum Rate			Class 1 Bike Storage (120V) Minimum Rate
	Charger (1)	Plug-In (2)	Rough-In (3)	
RESIDENTIAL				10% Plug-In (4)
▪ Residential – Market Units	0	25%	25%	
▪ Residential – Affordable Housing (5)	0	25%	25%	

Electric Vehicle (EV) Charging Equipment by Use	Parking (240V) Minimum Rate			Class 1 Bike Storage (120V) Minimum Rate
	Charger (1)	Plug-In (2)	Rough-In (3)	
<b>NON-RESIDENTIAL</b>				10% Plug-In (4)
▪ Commercial – “Public”	3% (6)	0	0	
▪ Commercial – “Assignable”	0	20%	0	
▪ Community Centre	2%	0	0	

- (1) An operating “AC Level 2” 240V electrical vehicle charging station.
- (2) An operating “AC Level 2” 240V electrical receptacle.
- (3) This configuration includes conduit and related electrical equipment to facilitate the cost-effective future installation of EV charging equipment; sufficient physical space in the electrical room to accommodate additional electric infrastructure in the future to supply electric service to the parking spaces; space at the parking stall to accommodate future installation of EV charging stations; and an electric service connection conduit from the electric grid to the building, sized to accommodate future electric service upgrades sufficient to provide EV charging stations in all parking spaces in the future.
- (4) An operating 120V duplex electrical outlet
- (5) For Affordable Housing, if a non-profit housing operator will operate the entirety of the affordable housing units contained within a lot (e.g., Seaside North) and parking required with respect to the affordable housing units is consolidated together within a secure compound managed by the non-profit housing operator (excluding visitor parking), then, as determined to the sole satisfaction of the City via an approved DP\*, the minimum EV equipment rate applicable to the affordable housing parking may be reduced such that 8% of the required parking spaces shall be equipped with an “AC Level 2” 240V charging station (1) (i.e. no plug-in(2) or rough-in(3)).
- (6) For Commercial – “Public” parking, the required chargers shall include those required by the City via legal agreement for car-share use.

16.2. “No development” shall be permitted on the lot, restricting Development Permit\* issuance for a building on the lot, in whole or in part (exclusive of parking), until, on a lot-by-lot basis, the developer provides for the required electric vehicle (EV) charging infrastructure for vehicles and “Class 1” bike storage and related features (e.g., permanent signage to facilitate the intended uses of the EV equipment and way-finding, pedestrian access routes, proportional distribution) to the satisfaction of the City.

16.3. No Building Permit\* shall be issued for a building on the lot, in whole or in part (exclusive of parking), until, on a lot-by-lot basis, the developer provides for the required electric vehicle (EV) charging infrastructure for vehicles and “Class 1” bike storage and related features as determined through the approved Development Permit\* and a Letter of Assurance is submitted by the architect confirming that the facilities satisfy the City’s objectives and complies with this legal agreement(s).

16.4. “No occupancy” shall be permitted on the lot, restricting final Building Permit\* inspection granting occupancy for any building on the lot, in whole or in part (exclusive of parking), until the required electric vehicle (EV) charging equipment for vehicles and “Class 1” bike storage and related features as determined through the approved Development Permit\* are completed to the satisfaction of the City and have received final Building Permit\* inspection granting occupancy. Notwithstanding the afore mentioned statement, in the event that occupancy of the building on a lot is staged, “no occupancy” shall be permitted of the first stage of building occupancy on a lot, in whole or in part (excluding parking), until 100% of the electric vehicle (EV) charging equipment for vehicles and “Class 1” bike storage and related features required with respect to the lot receive final Building Permit\* inspection granting occupancy.

17. Residential Tandem Parking: Registration of a legal agreement(s) on title on Lots A and B (Seaside South and North) and Lot C (Seaview) requiring that where two parking spaces are provided in a tandem arrangement for the use of resident parking (not including residential visitor parking), as per the Zoning Bylaw, both parking spaces must be assigned to the same dwelling unit.

18. Affordable Housing: The City’s acceptance of the developer’s offer to voluntarily contribute affordable (low-end market rental) housing constructed to a turnkey level of finish on Lot A (Seaside South) and Lot B (Seaside North) at the sole cost of the developer, the terms of which voluntary contribution shall include, but will not be limited to, the registration of the City’s standard Housing Agreement and Covenant(s) to secure the

affordable housing units. The form of the Housing Agreement and Covenant(s) shall be agreed to by the developer and the City prior to final adoption of the subject rezoning; after which time, only the Housing Covenant(s) may be amended or replaced and any such changes will only be permitted for the purpose of accurately reflecting the specifics of the Development Permits\* for Lot A (Seaside South) and Lot B (Seaside North) and other non-materials changes resulting thereof and made necessary by the Lot A (Seaside South) and Lot B (Seaside North) Development Permit\* approval requirements, as determined to the satisfaction of the Director of Development, and Manager, Community Social Development. The terms of the Housing Agreement and Covenant(s) shall indicate that they apply in perpetuity and provide for, but will not limited to, the following:

18.1. The required minimum floor area of the affordable (low-end market rental) housing shall be:

18.1.1. Equal to a combined habitable floor area of at least 4,441.8 m<sup>2</sup> (47,811.1 ft<sup>2</sup>), excluding standard Floor Area Ratio (FAR) exemptions, as determined based on 5% of the subject development's total maximum residential floor area permitted on Lot A (Seaside South), Lot B (Seaside North), and Lot C (Seaview) under the proposed ZMU30 zone (i.e. 5% of 88,836.0 m<sup>2</sup> / 956,222.4 ft<sup>2</sup>); and

18.1.2. Distributed such that at least 1,110.5 m<sup>2</sup> (11,953.3 ft<sup>2</sup>) or 25% of the required affordable housing habitable floor area, whichever is greater, is located on Lot A (Seaside South) and the balance (i.e. 3,331.3 m<sup>2</sup> / 35,857.8 ft<sup>2</sup> or 75% of the required affordable housing habitable floor area, whichever is less) is located on Lot B (Seaside North).

NOTE: No affordable housing will be constructed on Lot C (Seaview).

18.2. The developer shall, as generally indicated in the table below:

18.2.1. Ensure that the types, sizes, rental rates, and occupant income restrictions for the affordable housing units are in accordance with the City's Affordable Housing Strategy and guidelines for Low End Market Rental housing, unless otherwise agreed to by the Director of Development and Manager, Community Social Development;

18.2.2. Achieve the Project Targets for the total number of affordable housing units and unit mix or as otherwise determined to the satisfaction of the Manager, Community Social Development through the project's lot-by-lot Development Permit\* processes; and

18.2.3. Design and construct 100% of the affordable housing units to comply, at a minimum, with Richmond Zoning Bylaw requirements for Basic Universal Housing (BUH) units.

**TABLE 7**

Unit Type	Affordable Housing Strategy Requirements			Project Targets (2)	
	Minimum Unit Area	Maximum Monthly Unit Rent (1)	Total Maximum Household Income (1)	Unit Mix	# of Units
Bachelor	37 m <sup>2</sup> (400 ft <sup>2</sup> )	\$850	\$34,000 or less	10%	10
1-Bedroom	50 m <sup>2</sup> (535 ft <sup>2</sup> )	\$950	\$38,000 or less	30%	18
2- Bedroom	80 m <sup>2</sup> (860 ft <sup>2</sup> )	\$1,162	\$46,500 or less	30%	18
3-Bedroom	91 m <sup>2</sup> (980 ft <sup>2</sup> )	\$1,437	\$57,500 or less	30%	18
TOTAL	4,441.8 m <sup>2</sup> (47,811.1 ft <sup>2</sup> )	N/A	N/A	100%	59

(1) May be adjusted periodically, as provided for under adopted City policy.

(2) 100% of affordable housing units shall meet Richmond Basic Universal Housing (BUH) standards or better.

18.3. The affordable housing units shall be distributed among the development's residential towers in the form of unit clusters, which may occupy entire tower floors or part thereof, on Lot A (Seaside South) and Lot B (Seaside North), as determined to the satisfaction of the City through the Development Permit\* review and approval processes.

- 18.4. Occupants of the affordable housing units on each lot shall, to the satisfaction of the City (as determined prior to Development Permit\* approval), enjoy full and unlimited access to and use of all on-site indoor and outdoor amenity spaces provided on the lot as per OCP and City Centre Area Plan (CCAP) requirements (i.e. Lot A (Seaside South) residents will have unlimited to Lot A (Seaside South) amenities).
  - 18.5. Parking, "Class 1" bike storage, and related electric vehicle (EV) charging stations shall be provided for the use of affordable housing occupants as per the OCP, Zoning Bylaw, and legal agreements registered on title with respect to the subject rezoning at no additional charge to the affordable housing tenants (i.e. no monthly rents or other fees shall apply for the casual, shared, or assigned use of the parking spaces, bike storage, EV charging stations, or related facilities by affordable housing tenants), which features may be secured via legal agreement(s) on title prior to Development Permit\* issuance on a lot-by-lot basis or as otherwise determined to the satisfaction of the City.
  - 18.6. The affordable housing units, related uses (e.g., parking, garbage/recycling, hallways, amenities, lobbies), and associated landscaped areas shall be completed to a turnkey level of finish, at the sole cost of the developer, to the satisfaction of the Manager, Community Social Development.
  - 18.7. "No development" shall be permitted on Lot A (Seaside South) or Lot B (Seaside North), restricting Development Permit\* issuance for a building on Lot A (Seaside South) or Lot B (Seaside North), in whole or in part (excluding parking), until the developer, to the City's satisfaction:
    - 18.7.1. Designs the lot to provide for the affordable housing units and ancillary spaces and uses;
    - 18.7.2. Amends or replaces the Housing Covenant to accurately reflect the specifics of the affordable housing units and ancillary spaces and uses as per the approved Development Permit\*; and
    - 18.7.3. As required, registers additional legal agreements on title to facilitate the detailed design, construction, operation, and/or management of the affordable housing units and/or ancillary spaces and uses (e.g., parking) as determined by the City via the Development Permit\* review and approval processes.
  - 18.8. No Building Permit\* shall be issued for a building on Lot A (Seaside South) or Lot B (Seaside North), in whole or in part (excluding parking), until, on a lot-by-lot basis, the developer provides for the required affordable housing units and ancillary spaces and uses to the satisfaction of the City.
  - 18.9. "No occupancy" shall be permitted on Lot A (Seaside South) or Lot B (Seaside North), restricting final Building Permit\* inspection granting occupancy for any building on Lot A (Seaside South) or Lot B (Seaside North), in whole or in part (except for parking), until, on a lot-by-lot basis, the required affordable housing units and ancillary spaces and uses are completed to the satisfaction of the City and have received final Building Permit\* inspection granting occupancy.
19. Community Centre: The City's acceptance of the developer's offer to voluntarily contribute a Community Centre, the terms of which voluntary contribution shall include the developer's transfer of a minimum of 3,106.59 m<sup>2</sup> (33,439.00 ft<sup>2</sup>) of indoor floor area in the form of an Air Space Parcel (ASP) on Lot B (Seaside North), together with outdoor program space, parking, and related features secured via easements and/or statutory right-of-ways as required, all constructed at the developer's sole cost to a turnkey level of finish, to the satisfaction of the City, for use as a recreational, social, educational, and cultural community amenity and event space, as provided for under the subject rezoning application's proposed ZMU30 zone.
- Prior to rezoning adoption, as determined to the satisfaction of the City, the developer shall enter into legal agreements and provide other security in accordance with the following and the Community Centre Terms of Reference (**Schedule F** and REDMS #5163571) and Community Centre Conceptual Plan (**Schedule G**), together with an additional reference document provided to the developer:
- City Centre North Community Centre, August 30, 2016 (REDMS #5165254).
- The cost of the Community Centre to be borne by the developer shall include, among other things, Tenant Improvement (TI) works, the scope of which TI works shall be as generally described in the above documents (exclusive of the base building, outdoor areas, the parking structure, and related features) and shall have a



value of \$3,318.51/m<sup>2</sup> (\$308.30/ft<sup>2</sup>) based on 3,106.59 m<sup>2</sup> (33,439.00 ft<sup>2</sup>) of indoor floor area. (TI costs in excess of this amount shall be borne by the City.) If all tendering is not complete in a timeframe to enable final Building Permit\* inspection granting occupancy and the City's acceptance of the works by December 2020, the value of the TI works (i.e. \$3,318.51/m<sup>2</sup> / 308.30/ft<sup>2</sup>) shall be increased (but not decreased) according to a mutually agreed upon independent cost consultant escalation factor reflective of local conditions.

- 19.1. Submission of security in the form of a Letter of Credit (LOC) for \$2,810,500, to secure the developer's commitment to design, construct, and transfer the Community Centre to the City, all to the City's satisfaction. The LOC shall not be reduced or released until 1 year after the Community Centre has received final Building Permit\* inspection granting occupancy and the City has accepted the Community Centre works. The LOC may be used, at the sole discretion of the City, to rectify deficiencies in the Community Centre works and ensure that the ASP is free and clear of builder's liens and other encumbrances.
- 19.2. Submission of cash-in-lieu contributions towards the following, which cash-in-lieu contributions shall be understood to constitute a portion of the cost of the Community Centre borne by the developer:
  - 19.2.1. City's project management costs for the Community Centre (\$300,000);
  - 19.2.2. City's construction management costs for the Community Centre (\$150,000); and
  - 19.2.3. Installation of fibre communication equipment by the City or its designate (\$150,000).

NOTE: If required, at the sole discretion of the City, the developer shall grant statutory right-of-way(s) and/or enter into legal agreements to facilitate the installation and operation of the City's fibre communication equipment.

- 19.3. Registration of legal agreement(s), which may include, but may not be limited to, the following:
  - 19.3.1. A construction agreement setting out requirements with respect to the design, construction, supply, installation, approval, and warranty of the Community Centre and related works to the satisfaction of the City, which agreement may include a statutory right-of-way(s) and/or rent charge.
  - 19.3.2. An Air Space Parcel (ASP) subdivision agreement to facilitate the future creation of an ASP containing the Community Centre, together with easement(s) and/or statutory right-of-way(s) registered on title to secure parking, bike storage, loading, waste management facilities, and/or related access, uses, and spaces and terms with respect to cost sharing between the ASP owner (the City) and the Remainder owner, all in a form and content satisfactory to the City.
  - 19.3.3. A purchase and sale agreement to facilitate the transfer of the Community Centre ASP to the City, which transfer shall not occur until the City has, at its sole discretion, accepted the Community Centre works (which acceptance shall not relieve the developer of any outstanding obligations). The agreement shall include an option to purchase.
  - 19.3.4. "No development" shall be permitted on Lot B (Seaside North), restricting Development Permit\* issuance for a building on Lot B (Seaside North), in whole or in part (excluding parking), until the developer designs the Community Centre to the satisfaction of the City, as generally described in the Community Centre Terms of Reference (**Schedule F**), Community Centre Conceptual Plan (**Schedule G**), and related reference documents and providing for, among other things:
    - a) A fully-functional, fully-finished, two-storey Community Centre with at least 3,106.6 m<sup>2</sup> (33,439.0 ft<sup>2</sup>) of habitable indoor area (together with parking and other ancillary uses and spaces), which habitable indoor area shall include:
      - 100% of exterior perimeter walls (i.e. along the street frontage), interior walls within the Community Centre, service rooms, spaces, and vertical ducts intended for the exclusive use of the Community Centre and situated within the perimeter walls of the Community

Centre (i.e. not in the parking structure), and vertical circulation (i.e. stairs and elevators shall be counted twice, once on each floor);

- 50% of interior perimeter walls shared with the parking structure or commercial or residential uses (i.e. measured to the centreline of the wall); and
- 0% of uses/spaces contained within the parking structure (e.g., parking, garbage room, bike parking, service rooms and ducts) and “open to below” spaces within the lobby and gymnasium (i.e. floor area shall be counted only in the affected areas).

NOTE: Service spaces/ducts and other building features that are NOT intended to exclusively serve the needs of the Community Centre shall not be located with the Community Centre’s perimeter walls, except with the City’s express permission, as determined at the City’s sole discretion. In the event that the City grants permission for any such penetrations, the affected building features and any associated structure, spaces, or uses must be excluded from the Community Centre’s habitable indoor area.

- b) A variety of program and support spaces including, but not limited to, a large “village square” for sports and community events (i.e. a clear-span gymnasium with a sprung wood floor), an indoor activity track, an Exploratorium (i.e. a children’s exploration room with a depressed slab to accommodate special play opportunities), a creativity lab and wet art studio, and multipurpose rooms;
- c) Clear ceiling heights, unobstructed by structure, lighting, ventilation, piping, signage, or other features, of at least 9.14 m (30.0 ft.) in the “village square” (i.e. gymnasium) and as noted in each of the room data sheets for other rooms, are required. The Children’s Exploration Room requires a clear height of 4.27 m (14.0 ft.) as per the room data sheet and a 1.22 m (4.0 ft.) depression for a portion of the room. The depression shall only sit over spaces/uses that can accommodate a lower ceiling height.
- d) Direct, level public access to fronting grade-level public sidewalks and plaza areas along No. 3 Road and the proposed East-West Street;
- e) Secure, dedicated vertical circulation connecting the Community Centre’s two floors, including a large elevator able to accommodate strollers and equipment, none of which shall be shared with other tenants or uses on Lot B (Seaside North);
- f) Parking on Lot B (Seaside North) for visitors, staff, guests, and related activities to the satisfaction of the City and secured with legal agreements registered on title (which shall include, among other things, provisions that the rates charged to the users by the owner shall not exceed the rate(s) charged for Commercial Parking on Lot B (Seaside North) and any rate(s) must be to the satisfaction of the City), including:
  - 2 loading/parking spaces for the exclusive (24/7) use of the Community Centre for operations and program purposes (e.g., program vehicles, couriers, maintenance vehicles), which spaces shall be:
    - i) Clearly signed;
    - ii) Clustered together;
    - iii) Immediately adjacent to the Community Centre’s rear (parkade) entrance or alternative access acceptable to the City;
    - iv) Sized to comply with the Zoning Bylaw requirements for parking for disabled persons (i.e. Handicapped Space); and
    - v) Equipped with one electric vehicle (EV) “Level 2” 240V electrical outlet together with an installed vehicle charger.
  - 52 spaces for the exclusive (24/7) use of the Community Centre, which spaces shall be:
    - i) Clearly signed;
    - ii) Clustered together;

- iii) Convenient to the parkade driveway and near the building's "Public" Commercial Parking (as per legal agreements registered on title), to facilitate easy way-finding and overflow in the event that the Community Centre parking is fully occupied;
  - iv) Next to the Community Centre's rear (parkade) entrance or next to an elevator and stair that provide direct access to the rear entrance;
  - v) Designated for specific uses/users as determined by the City (e.g., drop-off/pick-up, staff spaces, family spaces); and
  - vi) Provided in compliance with the Zoning Bylaw, including a proportional share of spaces for disabled persons (i.e. Handicapped Space); and
- 20 spaces for the shared use of the Community Centre, which spaces shall be reserved for exclusive Community Centre use during specified days and hours (e.g., weekdays after 6 pm and all-day on weekends) and exclusive "Assignable" Commercial Parking use (as per legal agreements registered on title) at all times (e.g., weekdays before 6 pm) and shall be:
- i) Clearly signed;
  - ii) Clustered together and, if possible, co-located with the Community Centre's 52 exclusive parking spaces;
  - iii) Convenient to the parkade driveway and near the building's "Public" Commercial Parking (as per legal agreements registered on title), to facilitate easy way-finding and overflow in the event that the Community Centre parking is fully occupied; and
  - iv) Provided in compliance with the Zoning Bylaw, including a proportional share of spaces for disabled persons (i.e. Handicapped Space);
- g) Secured (Class 1) bike storage for exclusive staff and Community Centre use within the parking structure and unsecured (Class 2) bike racks for visitor and guests near the entrance(s) to the Community Centre, which secured and unsecured bike parking shall be provided (and, as applicable, equipped with electric vehicle (EV) charging equipment) in compliance with the Zoning Bylaw and related legal agreements registered on title;
- h) Waste storage room (i.e. for garbage, recyclables, and organics) for the shared use of the Community Centre and the building's commercial tenants, conveniently located near the facility's rear (parkade) entrance; and
- i) Loading and waste holding and pick-up facilities shared with non-residential uses on Lot B (Seaside North).

19.3.5. No Building Permit\* shall be issued for a building on Lot B (Seaside North), in whole or in part (excluding parking), until:

- a) The developer submits all architectural and landscape designs, structural, mechanical, and electrical drawings, and related specifications to the City, makes necessary changes as directed by the City, and receives written approval from the Director of Development, Manager of Real Estate Services, Director of Engineering, and Manager of Community Social Services on behalf of the City as the future owner of the Community Centre (i.e. not in its regulatory capacity); and
- b) The required Community Centre and related features are incorporated in the Lot B (Seaside North) Building Permit\* drawings and specifications, generally as determined via the rezoning and the Development Permit\* processes for Lot B (Seaside North), to the satisfaction of the City.

19.3.6. "No occupancy" shall be permitted on Lot B (Seaside North), restricting final Building Permit\* inspection granting occupancy for a building on Lot B (Seaside North), in whole or in part (excluding parking), until the required Community Centre and related features (e.g., parking, loading, service facilities, landscaping) on Lot B (Seaside North) are completed to the

satisfaction of the City and have received final Building Permit\* inspection granting occupancy, the City has accepted the works, and the Community Centre ASP has been transferred to the City free and clear of any encumbrances (except as permitted by the City in its sole discretion).

20. **Public Art:** City acceptance of the developer's offer to voluntarily contribute towards Public Art, the terms of which voluntary developer contribution shall include:

20.1. Prior to rezoning adoption, the developer shall provide for the following:

20.1.1. Submission of a Public Art Plan that:

- a) Includes the entirety of the subject site, prepared by an appropriate professional and based on the Richmond Public Art Program, City Centre Public Art Plan, and any relevant supplementary public art and heritage planning undertaken by the City for Capstan Village, to the satisfaction of the Director of Development and Director, Arts, Culture, and Heritage Services (including review(s) by the Public Art Advisory Committee and presentation for endorsement by Council, as required by the Director, Arts, Culture, and Heritage Services);
- b) Is based on the full value of the developer's voluntary public art contribution, which is estimated to be at least \$833,877, based on a minimum rate of \$0.81/ft<sup>2</sup> for residential uses and \$0.43/ft<sup>2</sup> for non-residential uses and the maximum buildable floor area permitted under the subject site's proposed ZMU30 zone, excluding affordable housing and Community Centre uses, as determined on a phase-by-phase basis, as indicated in the table below; and
- c) Allocates a portion of the developer's voluntary contribution, equal to at least 1% of the estimated construction budget for the proposed Community Centre, to public artwork(s) that will be designed and implemented in coordination with the Community Centre (i.e. in Phase 2), to the satisfaction of the City.

**TABLE 8**

Phase	Maximum Permitted Floor Area as per ZMU30 Zone	Public Art Floor Area Exemptions (1)	Minimum Developer Contribution Rates	Min. Voluntary Developer Contributions (2)
1 (Seaside South)	(R) 54,977.8 m2 (591,775.6 ft2) (NR) 2,131.0 m2 (22,938.3 ft2)	(R) 1,110.5 m2 (11,953.3 ft2)	(R) \$0.81/ft <sup>2</sup> (NR) \$0.43/ft <sup>2</sup>	\$479,519
2 (Seaside North)	(R) 21,015.0 m2 (226,203.6 ft2) (NR) 22,164.8 m2 (238,580.1 ft2)	(R) 3,331.3 m2 (35,857.8 ft2) (NR) 3,106.6 m2 (33,439.0 ft2)	The greater of the Phase1 rate or the City rate in effect at Development Permit* approval	\$242,391
3 (Seaview)	(R) 12,843.2 (138,243.2 ft2) (NR) Nil	Nil		\$111,977
<b>TOTAL</b>	(R) 88,836.0 m2 (956,222.4 ft2) (NR) 24,295.8 m2 (261,518.4 ft2)	(R) 4,441.8 m2 (47,811.1 ft2) (NR) 3,106.6 m2 (33,439.0 ft2)	Varies	\$833,887

NOTE: (R) means residential and (NR) means non-residential.

(1) Rates do not apply to affordable housing or Community Centre uses.

(2) Estimated minimum contributions are based on the maximum permitted floor area permitted under the subject site's proposed ZMU30 zone and the contribution rates in effect at the time of writing these Rezoning Considerations. Actual contributions may be greater, as determined based on the rates in effect prior to Development Permit\* issuance on a phase-by-phase basis.

20.1.2. Registration of legal agreement(s) on title to facilitate the multi-phase implementation of the City-approved Public Art Plan.

20.2. "No development" shall be permitted on the subject site, restricting Development Permit\* issuance on a lot-by-lot (phase-by-phase) basis, until the developer:

20.2.1. Enters into any additional legal agreement(s) required to facilitate the multi-phase implementation of the City-approved Public Art Plan, which may require that, prior to entering into any such additional agreement, a Detailed Public Art Plan is submitted by the developer for the lot (phase)



and/or an artist is engaged, to the satisfaction of the City (as generally set out in the legal agreement entered into and the Public Art Plan submitted prior to rezoning adoption); and

- 20.2.2. Submits a Letter of Credit or cash (as determined at the sole discretion of the City) with respect to the applicable lot (phase) of the Plan's implementation, the value of which contribution shall be at least the value indicated for the applicable lot (phase) in the table above.

NOTE: If the Plan requires that a voluntary contribution for a particular lot (phase) exceeds the value in the above table, it shall be understood that the developer is "pre-paying" some of all of his/her contribution for a future phase or phases and the "pre-paid" portion will be credited towards future voluntary contribution(s) as set out in the Plan.

- 20.3. "No occupancy" shall be permitted on the subject site, restricting final Building Permit\* inspection granting occupancy of the building (exclusive of parking), in whole or in part, on a lot or phase for which the City-approved Public Art Plan requires the developer's implementation of a public artwork until:

20.3.1. The developer, at his/her expense, commissions an artist(s) to conceive, create, manufacture, design, and oversee or provide input about the manufacturing of the public artwork, and causes the public artwork to be installed on City property, if expressly permitted by the City, or within a statutory right-of-way on the developer's lands (which right-of-way shall be to the satisfaction of the City for rights of public passage, public art, and related purposes, in accordance with the City-approved Public Art Plan);

20.3.2. The developer, at his/her expense and within thirty (30) days of the date on which the public art is installed, executes and delivers to the City a transfer of all of the developer's rights, title, and interest in the public artwork to the City if on City property or to the subsequent Strata or property owner if on private property (including transfer of joint world-wide copyright) or as otherwise determined to be satisfactory by the City Solicitor and Director, Arts, Culture, and Heritage Services; and

NOTE: It is the understanding of the City that the artist's rights, title, and interest in the public artwork will be transferred to the developer upon acceptance of the artwork based on an agreement solely between the developer and the artist. These rights will in turn be transferred to the City, subject to approval by Council to accept the donation of the artwork.

20.3.3. The developer, at his/her expense, submits a final report to the City promptly after completion of the installation of the public art in respect to the City-approved Public Art Plan, which report shall, to the satisfaction of the Director of Development and Director, Arts, Culture, and Heritage Services, include:

- a) Information regarding the siting of the public art, a brief biography of the artist(s), a statement from the artist(s) on the public art, and other such details as the Director of Development and Director, Arts, Culture, and Heritage Services may require;
- b) A statutory declaration, satisfactory to the City Solicitor, confirming that the developer's financial obligation(s) to the artist(s) have been fully satisfied;
- c) The maintenance plan for the public art prepared by the artist(s); and
- d) Digital records (e.g., photographic images) of the public art, to the satisfaction of the Director of Development and Director, Arts, Culture, and Heritage Services.

## 21. Discharge of Legal Agreements:

- 21.1. Off-Site Parking on 3099, 3111, and 3333 Corvette Way: Discharge of the Wall Centre Westin Hotel Section 219 Covenant over Common Property and Strata Lots and Statutory Right-of Way over Common Property for off-site parking purposes in favour of the Comfort Inn (hotel), formerly located at 3031 No 3 Road (BB1753844-48). As the Comfort Inn has been demolished and the property is a subject of this rezoning application (RZ 12-603040), the covenant is no longer required and can be discharged.

21.2. Additional Discharges: As determined to the sole satisfaction of the City via the rezoning, Servicing Agreement\*, and/or Development Permit\* processes.

22. Pier Funding: The City's acceptance of the developer's voluntary cash-in-lieu contribution in the amount of \$2.6 million towards the design and construction of a public pier and related features along the river frontage of the proposed park.

NOTE: If the developer elects to design and construct the pier, to the satisfaction of the City, through the City's standard Servicing Agreement\* (SA) processes in coordination with the design and construction of the park and Park SA\*, then the City will direct the developer's voluntary \$2.6 million cash-in-lieu contribution to fund the City-approved works.

23. Community Planning: The City's acceptance of the developer's voluntary contribution in the amount of \$284,122, based on \$0.25/ft<sup>2</sup> of maximum permitted buildable floor area as per the proposed ZMU30 zone excluding affordable housing and community centre uses (i.e. 1,136,490.6 ft<sup>2</sup> x \$0.25/ft<sup>2</sup>) to future City community planning studies, as set out in the City Centre Area Plan
24. Development Permit\* – Lot A (Seaside South): The submission and completion of processing of a Development Permit\* for Lot A (Seaside South), the developer's first phase of development, to a level deemed acceptable by the Director of Development.
25. Servicing Agreement\* (SA): Enter into a Servicing Agreement(s)\* for the design and construction, at the developer's sole cost, of full upgrades across the subject site's street frontages, together with various engineering, transportation, and parks works, to the satisfaction of the City.

Except as expressly provided for and in compliance with the subject development's Phasing Covenant (i.e. SA #1, SA #2, and SA #3), related legal agreement(s), and security, to the satisfaction of the Director of Development, Director of Engineering, Director of Transportation, Senior Manager, Parks, and Manager, Environmental Sustainability:

- Prior to rezoning adoption, all works identified via the subject development's SA\* must be secured via a Letter(s) of Credit;
- All works shall be completed prior to final Building Permit\* inspection granting occupancy of the first building on the subject site (exclusive of parking), in whole or in part; and
- Development Cost Charge (DCC) credits may apply.

Servicing Agreement\* works will include, but may not be limited to, the following:

25.1. Engineering Servicing Agreement \* Requirements:

25.1.1. Water Works:

**SA #1 - Seaside South (3231/3291/3311/3331/3351 No 3 Rd, 8151 Capstan Way)**

- a) Using the OCP Model, there is 259 L/s of water available at a 20 psi residual at the Corvette Way frontage, 567 L/s of water available at a 20 psi residual at the No 3 Road frontage, and 191 L/s of water available at a 20 psi residual at the Capstan Way frontage. Based on your proposed development, your site requires a minimum fire flow of 220 L/s.
- b) The Developer is required to:
  - Submit Fire Underwriter Survey (FUS) or International Organization for Standardization (ISO) fire flow calculations to confirm 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 approximately 108 m of existing 150 mm diameter water main to 200 mm along the Capstan Way frontage from the west property line to No 3 Rd.
  - Install approximately 130 m of 200 mm diameter water main along the new road bisecting the two newly subdivided lots of the Seaside development, complete with fire hydrants to achieve City spacing requirements.

- Install 2 new water service connections, complete with meters and meter boxes, off of the proposed water main along the new road to service the two newly subdivided lots of the Seaview development.
  - Review hydrant spacing along all frontages for the Seaside development (as in, both phase 1 and 2), and install new hydrants as required to achieve City spacing requirements.
  - Review the impact of the proposed works on the existing 300 mm diameter AC water main on the No 3 Rd frontage via a geotechnical assessment. If the works will impact the existing AC water main, replacement/relocation shall be at the Developer's cost.
- c) At Developer's cost, the City is to:
- Complete all tie-ins for the proposed works to existing City infrastructure.
  - Cut and cap all existing water service connections.

**SA #2 - Seaside North (3031/3211/3231 No 3 Rd)**

- a) Using the OCP Model, there is 259 L/s of water available at a 20 psi residual at the Corvette Way frontage, and 567 L/s of water available at a 20 psi residual at the No 3 Road frontage. Based on your proposed development, your site requires a minimum fire flow of 220 L/s.
- b) The Developer is required to:
- Submit Fire Underwriter Survey (FUS) or International Organization for Standardization (ISO) fire flow calculations to confirm 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.
  - Review the impact of the proposed works on the existing 300 mm diameter AC water main on the No 3 Rd frontage via a geotechnical assessment. If the works will impact the existing AC water main, replacement/relocation shall be at the Developer's cost.
- c) At Developer's cost, the City is to:
- Cut and cap all existing water service connections.

**SA #3 - Seaview (8051/8100 River Road)**

- a) The Developer is required to:
- Submit Fire Underwriter Survey (FUS) or International Organization for Standardization (ISO) fire flow calculations to confirm 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.
  - Install approximately 110m meters of minimum 200mm diameter water main complete with fire hydrants along the east side of the north-south aligned Corvette Way. The new water main shall be tied-in to the existing water mains along Capstan Way and the east-west aligned Corvette Way.
  - Extend the existing water main along the east-west aligned Corvette Way to the west to facilitate tie-in of the new water main along the north-south aligned Corvette Way.
  - Install a new water service connection, complete with meter and meter box, off of the proposed water main along the Corvette Way frontage.
  - Remove and legally dispose offsite the existing AC water main along old River Road between the east-west aligned Corvette Way and Capstan Way, after completion of cutting and capping by City crews.

- Relocate to the ultimate location the existing fire hydrant on the River Road frontage.
  - Review hydrant spacing along all frontages and install new hydrants as required to achieve City spacing requirements.
- b) At Developer's cost, the City is to:
- Complete all tie-ins for the proposed works to existing City infrastructure.
  - Cut and cap the existing water main along old River Road between the east-west aligned Corvette Way and Capstan Way.

25.1.2. Storm Sewer Works:

**SA #1 - Seaside South (3231/3291/3311/3331/3351 No 3 Rd, 8151 Capstan Way)**

- a) The Developer is required to:
- Cut, cap, abandon and fill, per MMCD specifications, the existing 375mm and 450mm diameter storm sewer along the north-south aligned Corvette Way.
  - Install approximately 120 meters of 600mm diameter storm sewer along the north-south aligned Corvette Way. Tie-in to the south shall be to the existing ditch along the west side of the new River Road just south of Capstan Way via a new manhole and headwall. Tie-in to the north shall be to the existing storm sewers along the east-west aligned Corvette Way via a new manhole.
  - Extend the existing storm sewer along the east-west aligned Corvette Way up to 15 meters to the west to facilitate tie-in (via a new manhole) of the new storm sewer along the north-south aligned Corvette Way.
  - Review the capacity and condition of the existing ditch along the west side of the new River Road from Capstan Way to the Cambie Road box culvert and provide a capacity analysis within the first SA submission. In order to facilitate drainage from this development, the Developer may be required to widen and re-grade the existing ditch. The existing headwall at the Cambie Road box culvert shall be upgraded to MMCD specifications by the Developer.
  - Install two new storm service connections off of the existing 600 mm storm sewer along Corvette Way, complete with inspection chambers, to serve the both phases of the Seaside development.
  - Cut and cap all existing storm service connections for both phases of the Seaside development, and remove inspection chambers.
  - Install approximately 130 m of 200 mm diameter lane drainage along the new road bisecting the two newly subdivided lots of the Seaside development, complete with catch basins to meet City spacing requirements. The main shall be graded to drain towards Corvette Way. No service connections are permitted to connect to lane drainage.
- b) At Developer's cost, the City is to:
- Complete all tie-ins for the proposed works to existing City infrastructure.

**SA #2 - Seaside North (3031/3211/3231 No 3 Rd)**

- a) The Developer is required to: N/A

**SA #3 - Seaview (8051/8100 River Road)**

- a) The Developer is required to:
- Cut, cap, and remove the existing storm main along old River Road between the east-west aligned Corvette Way and Capstan Way.



- Install a new storm service connection off of the proposed 600 mm storm sewer along Corvette Way, complete with inspection chamber.
  - Cut and cap all existing storm service connections, and remove inspection chambers.
- b) At Developer's cost, the City is to:
- Complete all tie-ins for the proposed works to existing City infrastructure.

25.1.3. Sanitary Sewer Works:

**SA #1 - Seaside South (3231/3291/3311/3331/3351 No 3 Rd, 8151 Capstan Way)**

- a) The Developer is required to:
- Cut, cap, and remove the existing sanitary connections and inspection chambers for both phases of the Seaview development.
  - Cut, cap, and remove the sanitary mains located within the development sites for both phases of the Seaside development:
    - i) Between the Skyline pump station and SMH5413
    - ii) Between SMH52188 and SMH5455
  - Coordinate with the City to discharge applicable statutory right-of-ways
  - Abandon and fill, per MMCD specifications, the existing 200 mm sanitary main along the north-south aligned Corvette Way frontage. Portions of the abandoned sanitary main may be required to be removed to facilitate the construction of the proposed water main; this should be reviewed before filling to prevent conflicts.
  - Install approximately 120 meters of 375 mm diameter sanitary main at an alignment located west of the road centerline along the north-south aligned Corvette Way frontage. Removal of the existing railway tracks may be required to facilitate the sanitary sewer construction along the west side of Corvette Way. The new sanitary sewers shall tie-in to the existing sanitary sewers along the south side of Capstan Way and along the east-west aligned Corvette Way via new manholes. Tie-in shall be at the south side of Capstan Way, west of the Metro Vancouver trunk sewers.
  - Upgrade approximately 80 meters of existing 300 mm diameter FRP sanitary main along Capstan Way between Corvette Way and SMH5508 to 375 mm.
  - Install two new sanitary service connection off of the existing 300 mm PVC sanitary main along the north-south aligned Corvette Way frontage, to serve both phases of the Seaside development. The service connections may be installed directly off of the existing manholes if the connection is not oriented against the flow in the main and hydraulic requirements are achieved; otherwise, they should be installed complete with inspection chamber.
- b) At Developer's cost, the City is to:
- Complete all tie-ins for the proposed works to existing City infrastructure.

**SA #2 - Seaside North (3031/3211/3231 No 3 Rd)**

- a) The Developer is required to:
- N/A

**SA #3 - Seaview (8051/8100 River Road)**

- a) The Developer is required to:
- Cut, cap, and remove the existing sanitary main along old River Road between the east-west aligned Corvette Way and Capstan Way.

- Install a new sanitary service connection, complete with inspection chamber, off of proposed 375 mm diameter sanitary main along the north-south aligned Corvette Way frontage.
  - Cut and cap all existing sanitary service connections, and remove inspection chambers.
- b) At Developer's cost, the City is to:
- Complete all tie-ins for the proposed works to existing City infrastructure.

25.1.4. Skyline Pump Station:

**SA #1 - Seaside South (3231/3291/3311/3331/3351 No 3 Rd, 8151 Capstan Way)**

- a) The Developer is required to:
- Relocate the existing pump station kiosk in order to facilitate the construction of the proposed bike path. The kiosk's new location should be out of the boulevard and in a statutory right-of-way (SRW) as described below. The kiosk location within the SRW should consider the location of the ultimate above-ground structures; preference is given to a layout plan that allows the future kiosk to be constructed while existing kiosk remains in service (for example, relocating the existing kiosk into the ultimate location of the pump station generator).
  - Provide working plans for both the existing and future Skyline pump stations, within the first Servicing Agreement submission, containing:
    - i) Space within the boulevard for a F450 service truck (approximately 7.5 m by 2.5 m with 1.3 m-wide stabilizers) to park and access the existing and future wet well, while minimizing impact to the flow of foot or bike traffic. The vehicle should be off the road and able to park without damaging the boulevard, as well as allowing for enough space for the pumps to be removed by the service vehicle's crane for maintenance.
    - ii) Space within the boulevard for both the existing and future wet well, so that the existing pump station can remain in service when the future pump station is constructed. The space allocation for the future pump station shall accommodate the construction of a 3.6 m diameter wet well, and may be within the interim parking space for the maintenance vehicle. For the future pump station plan, the existing wet well may be converted to a manhole to route flows to the future wet well.

25.1.5. Dike Improvements:

**SA #3 - Seaview (8051/8100 River Road)**

- a) The Developer is required to satisfy the following in terms of dike design:
- The dike design shall be done by a Professional Geotechnical Engineer.
  - The elevation of the dike crest shall be raised to minimum 4.7 m geodetic, and shall be designed to accommodate a future elevation of 5.5 m. On the waterside of the dike, the slope shall be maximum 2:1. On the landside of the dike, the slope shall be maximum 3:1.
  - The crest of the dike shall be minimum 4.0 m wide. The dike shall be designed so that the service vehicles and equipment can access the entire length of the dike, and the design shall provide adequate space for the service vehicles to enter and exit, which shall be based on the Transportation Associate of Canada's standard SU turning templates and approved by the City's Transportation department.
  - The design shall provide for access of service vehicles off of Capstan Way. In addition, opportunities to provide for a second ramp at the north end of the dike works shall be

investigated in coordination with the design of the park and road improvements in the vicinity of the proposed River Road/Corvette Way intersection. Access ramps shall be designed to accommodate the TAC's SU vehicle and at no more than 10% grade. Any ramp at the dike's north end shall be designed to accommodate driveway access to 8171 River Road.

- There shall be a minimum building setback of the greater of 30.0 m from the dike's high water mark or 7.5 m from the landside toe of the future 5.5 m dike.
- The dike along the frontage of the development site shall be tied in to the adjacent dikes to the north and south at a maximum slope of 3:1. Developer to be responsible to locate the dike to the north and south for a smooth transition. Tie-in shall be within the development site and shall not encroach into the adjacent lots. No retention walls within the dike crest or slope area are allowed.
- As per Dike Design and Construction Guide – Best Management Practices for British Columbia (2003), the landside slope shall be kept clear of vegetation other than trimmed grass, including a minimum 3 meter strip beyond the landside toe and minimum 2 meter strip beyond the waterside toe.
- All dike construction shall be in conformance with City standard drawing MB-98 or MB-99, Dike Design and Construction Guide – Best Management Practices for British Columbia (2003), and Environmental Guidelines for Vegetation Management on Flood Protection Works to Protect Public Safety and the Environment (1999).
- The design and construction of the dike shall be done to the satisfaction of the General Manager, Engineering and Public Works, and any other relevant dike approving authorities.

25.1.6. Frontage Improvements:

**SA #1 - Seaside South (3231/3291/3311/3331/3351 No 3 Rd, 8151 Capstan Way)**

- a) The Developer is required to:
  - Coordinate with BC Hydro, Telus and other private communication service providers
    - i) When relocating/modifying any of the existing power poles and/or guy wires within the property frontages.
    - ii) To underground the existing overhead lines along the Capstan Way frontage and along No 3 Rd between Capstan Way and Sea Island Way. The Developer is to ensure that the Skyline pump station continues to be serviced after the undergrounding, which may require the installation of above-ground structures, such as a PMT. Any pump station structures shall be located within the SRW as described with the "Skyline Pump Station" requirements section.
    - iii) To pre-duct for future hydro, telephone and cable utilities along all road frontages.
    - iv) To determine if above ground structures are required and coordinate their locations (e.g. Vista, PMT, LPT, Shaw cabinets, Telus Kiosks, etc). These shall be located onsite, as described below.
  - 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 right of ways dimensions 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:

- i) BC Hydro PMT – 4mW X 5m (deep)
- ii) BC Hydro LPT – 3.5mW X 3.5m (deep)
- iii) Street light kiosk – 1.5mW X 1.5m (deep)
- iv) Traffic signal kiosk – 1mW X 1m (deep)
- v) Traffic signal UPS – 2mW X 1.5m (deep)
- vi) Shaw cable kiosk – 1mW X 1m (deep) – show possible location in functional plan
- vii) Telus FDH cabinet - 1.1mW X 1m (deep) – show possible location in functional plan

- Provide street lighting along the Capstan Way frontage.
- Review street lighting levels along all frontages for both phases of the Seaside development and upgrade lighting as required.
- Set the location of the new curb line along Capstan Way with reference to a geotechnical engineer's assessment of the impact of traffic vibration on the Skyline pump station's fiberglass wet well.
- Other frontage improvements as per Transportation's requirements. Improvements shall be built to the ultimate condition wherever possible.

**SA #2 - Seaside North (3031/3211/3231 No 3 Rd)**

- a) The Developer is required to:

- N/A

**SA #3 - Seaview (8051/8100 River Road)**

- a) The Developer is required to:

- Coordinate with BC Hydro, Telus, and other private communication service providers
  - i) When relocating/modifying any of the existing power poles and/or guy wires within the property frontages.
  - ii) To relocate and underground existing private utility poles and overhead lines along the old River Road frontage between east-west aligned Corvette Way and Capstan Way to the north-south aligned Corvette Way between the east-west aligned Corvette Way and Capstan Way.
  - iii) To pre-duct for future hydro, telephone and cable utilities along all road frontages.
  - iv) To determine if above ground structures are required and coordinate their locations (e.g. Vista, PMT, LPT, Shaw cabinets, Telus Kiosks, etc). These shall be located onsite, as described below.
- 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 right of ways dimensions 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:
  - i) BC Hydro PMT – 4mW X 5m (deep)
  - ii) BC Hydro LPT – 3.5mW X 3.5m (deep)

- iii) Street light kiosk – 1.5mW X 1.5m (deep)
- iv) Traffic signal kiosk – 1mW X 1m (deep)
- v) Traffic signal UPS – 2mW X 1.5m (deep)
- vi) Shaw cable kiosk – 1mW X 1m (deep) – show possible location in functional plan
- vii) Telus FDH cabinet - 1.1mW X 1m (deep) – show possible location in functional plan

- Provide street lighting along all frontages.
- Other frontage improvements as per Transportation's requirements. Improvements shall be built to the ultimate condition wherever possible.

25.1.7. General Items:

**All Servicing Agreements**

- a) The Developer is required to:
  - Provide, within the first SA submission, a geotechnical assessment of preload and soil preparation impacts on the existing utilities fronting or within the development sites and provide mitigation recommendations. A pre- and post-preload and soil preparation survey and video inspection of the City storm & sanitary system is required.
  - 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.

- 25.2. Transportation Servicing Agreement \* Requirements: The developer is responsible for the design and construction of the frontage improvements shown on the Preliminary Functional Roads Plan (REDMS #564211 & 564212), supported in principle by the City staff, subject to review and approval of the detailed SA designs, which shall include, but may not limited to, the following. Final MOTI approval is required prior to rezoning adoption.

NOTE: In addition to the following, landscape features are required to the satisfaction of the City, as determined via the SA and Development Permit review and approval processes. Landscape improvements may include, but shall not be limited to, street trees, landscaped boulevards, hard- and soft-scape features, street furnishings, decorative paving (e.g., split face stone sets in buffer strips), and innovative storm management features.

**SA #1 - Seaside South & SA #2 – Seaside North**

- 25.2.1. No. 3 Road, from Sea Island to Capstan Way (from east to west):

- a) Maintain two existing northbound lanes
- b) 3.25m wide northbound-to-westbound left-turn lane at the proposed east-west street
- c) Minimum 1.6m wide raised landscaped median with decorative fencing
- d) 3.25m wide southbound-to-eastbound left-turn lane at Capstan Way
- e) 6.35 m wide southbound travel lanes
- f) 0.15m wide roll-over curb
- g) 1.8m wide raised bike lane
- h) 0.45m wide Richmond urban curb
- i) 1.5m wide boulevard\*
- j) 2.0m wide sidewalk\*



NOTE: \* Along the Seaside North frontage (i.e., from east-west street to Sea Island Way), these road elements can be deferred until Phase 2 (Seaside North) of the development but an interim 2m wide asphalt walkway should be provided instead.

25.2.2. New East-West Street, from Corvette Way to No. 3 Road (from south to north):

- a) 2m wide sidewalk
- b) 1.65m wide boulevard
- c) 0.15m wide curb and gutter
- d) 7.0m wide driving surface
- e) 2.7m wide on-street parking / curb extension\*\*
- f) 0.15m wide curb and gutter\*\*
- g) 1.65m wide boulevard\*\*
- h) 2m wide sidewalk\*\*

NOTE: \*\* Along the Seaside North frontage (i.e., north side of the new east-west street), these road elements can be deferred until Phase 2 (Seaside North) of the development but an interim 1.5m wide paved shoulder should be provided instead.

25.2.3. Corvette Way, from Sea Island to east/west portion of Corvette Way (from west to east):

- a) Maintain existing curb and gutter along the west side
- b) Widen to achieve 12.0m wide asphalt surface as the parking and travel lanes
- c) 0.15m wide curb and gutter
- d) 1.85m wide boulevard\*\*\*
- e) 2m wide sidewalk\*\*\*

NOTE: \*\*\* Along the Seaside North frontage (i.e., from east-west street to Sea Island Way), these road elements can be deferred until Phase 2 (Seaside North) of the development but an interim 2m wide asphalt walkway should be provided instead.

25.2.4. Capstan Way, from No 3 Road to the western limit of the Seaside frontage (from south to north):

- a) Maintain existing curb and gutter along the south side
- b) Widen along the north side of the roadway to accommodate the northern half of the ultimate road cross-section along Capstan Way
- c) 0.15m wide curb and gutter
- d) A boulevard/hard surface area ranging from 1.5m wide to 6.0m wide
- e) 2.5m wide off-road bike path
- f) 1.0m wide buffer
- g) 2.0m wide sidewalk

25.2.5. Sea Island Way, from No 3 Road to Corvette Way (from north to south):

- a) Maintain existing traffic lanes and on-street bike lane
- b) New curb and gutter along the south side, including the new channelized island on Corvette Way at Sea Island Way
- c) 2.5m wide boulevard\*\*\*\*
- d) 3.0m wide multi-use pathway\*\*\*\*

NOTE: \*\*\*\* These road elements can be deferred until Phase 2 (Seaside North) of the development but an interim 2m wide asphalt walkway should be provided instead.

25.2.6. Provide new / upgrade existing traffic signals at the following locations. Work to include but not limited to provide new / upgrade existing signal poles, controller, base and hardware, pole base, detection, conduits (electrical & communications), signal indications, communications cable, electrical wiring, service conductors, video cameras, APS, and UPS (uninterrupted power supply).

- a) No. 3 Road / new east-west street: provide a new pedestrian signal
- b) No. 3 Road / Capstan Way: upgrade existing traffic signal

- c) No. 3 Road / Sea Island Way: upgrade existing traffic signal

25.2.7. Construction phasing: all work noted above to be completed prior to the opening of Phase 1 (Seaside South), unless otherwise noted which can be deferred until prior to the opening of Phase 2 (Seaside North).

**SA #3 - Seaview**

25.2.8. Corvette Way, from east/west portion of Corvette Way to Capstan Way (from west to east):

- a) 2m wide sidewalk at the new property line
- b) 1.5m wide boulevard
- c) 0.15m wide curb and gutter
- d) Min. 10.3m wide asphalt surface as parking and travel lanes
- e) Min. 1.5m wide shoulder

25.2.9. Capstan Way, from Corvette Way to existing River Road:

- a) Maintain existing curb and gutter along the south side
- b) 9.0m wide driving surface
- c) 0.15m wide curb and gutter
- d) 4.5m wide landscaped slope / boulevard
- e) 2.5m wide off-road bike path
- f) 1.0m wide buffer
- g) 2.5m wide sidewalk

25.2.10. Construction phasing: all work noted above for Seaview to be completed prior to the opening of Phase 3 (Seaview).

**All Servicing Agreements**

25.2.11. Street Lights: The following shall be confirmed through the SA processes.

- a) Sea Island Way (South side of street)
  - Pole colour: Grey
  - Roadway lighting @ back of curb: As determined to the satisfaction of MOTI
  - Pedestrian lighting (to be installed between sidewalk & bike path): Type 8 (LED) INCLUDING 2 pedestrian luminaires (set perpendicular to the direction of travel), but EXCLUDING any duplex receptacles, banner arms, flower basket holders, and irrigation.
- b) No. 3 Road (West side of street)
  - Pole colour: Grey
  - Roadway lighting @ back of curb: N/A
  - Pedestrian lighting: Type 8 (LED) INCLUDING 2 pedestrian luminaires (set perpendicular to the direction of travel), duplex receptacles, banner arms, flower basket holders, and irrigation.
- c) Capstan Way (North side of street)
  - Pole colour: Grey
  - Roadway lighting @ back of curb: Type 7 (LED) INCLUDING 1 street luminaire, but EXCLUDING any pedestrian luminaires, banner arms, flower basket holders, irrigation, or duplex receptacles.
  - Pedestrian lighting between sidewalk & bike path: Type 8 (LED) INCLUDING 2 pedestrian luminaires set perpendicular to the roadway, but EXCLUDING any flower basket holders, irrigation, or duplex receptacles.
- d) East-West Street (Both sides of new street)
  - Pole colour: Grey

- Roadway lighting @ back of curb: Type 7 (LED) INCLUDING 1 street luminaire and duplex receptacles, but EXCLUDING any pedestrian luminaires, banner arms, flower basket holders, or irrigation.
  - Pedestrian lighting (Must be confirmed/revised in coordination with the Community Centre design): Type 8 (LED) INCLUDING 2 pedestrian luminaires (set perpendicular to the direction of travel), duplex receptacles, banner arms, flower basket holders, and irrigation.
- e) Corvette Way (East and south sides of street @ Seaside & west side @ Seaview)
- Pole colour: Grey
  - Roadway lighting @ back of curb: Type 7 (LED) INCLUDING 1 street luminaire and duplex receptacles, but EXCLUDING any pedestrian luminaires, banner arms, flower basket holders, or irrigation.

25.3. Parks Servicing Agreement \* Requirements: Prior to Development Permit\* issuance for Phase 3 (Seaview), the developer is required to enter into SA#3 for the design and construction of the riverfront park, at the developer's sole cost, to the satisfaction of the City. The park design shall be consistent with the YuanHeng Riverfront Park Conceptual Plan attached to these Rezoning Considerations (**Schedule H**) and approved by Council as part of the subject rezoning application. Public consultation (e.g., information open house) may be required during the park's design development.

NOTE: Prior to rezoning adoption, the developer shall provide a \$2.6 million voluntary cash-in-lieu contribution for future City construction of a pier and water access in association with the park. If the developer elects to design and construct the pier, to the satisfaction of the City, through the City's standard Servicing Agreement processes in coordination with the design and construction of the park and Park SA, then the City will direct the developer's voluntary \$2,600,000 cash-in-lieu contribution to fund the City-approved works.

**For Lot A (Seaside South) (i.e. Phase 1), prior to a Development Permit (DP)\* being forwarded to the Development Permit Panel for consideration, the developer is required to:**

1. Legal Agreements: Satisfy the terms of legal agreements registered on title prior to rezoning adoption (RZ 12-603040) with respect to the subject Lot A (Seaside South) Development Permit\*.
2. Additional Requirements: Discharge and registration of additional right-of-way(s) and/or legal agreements, as determined to the satisfaction of the Director of Development, Director of Transportation, Director of Engineering, Manager of Real Estate Services, Manager of Community Social Services, and Senior Manager of Parks.
3. DP Landscape Letter of Credit: A Tree Removal Permit (Rezoning in Process – T3) was issued by the City on August 12, 2016 (Permit #16-741470) to facilitate contaminant removal within the proposed boundaries of Lot A (Seaside South), Lot B (Seaside North), and the East-West Street. Tree replacement security in the amount of \$30,000.00 was submitted by the developer. This security will be applied towards future tree replacement, proposed and approved as part of the landscape plan for the developer's first Development Permit\* application (i.e. Lot A / Seaside South), which plan will be secured with the City's standard Development Permit\* landscape Letter of Credit.
4. NAV Canada Building Height: Submit a Letter of Assurance from a surveyor confirming that the proposed building heights are in compliance with Transport Canada regulations.

**For Lot A (Seaside South) (i.e. Phase 1), prior to Building Permit Issuance, the developer must complete the following requirements:**

1. Legal Agreements: Satisfy the terms of legal agreements registered on title prior to rezoning adoption (RZ 12-603040) and/or Development Permit\* issuance with respect to the Lot A (Seaside South) Building Permit\*.
2. Construction Traffic Management Plan: 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.

3. Accessibility: Incorporation of accessibility measures in Building Permit (BP) plans as determined via the Rezoning and/or Development Permit processes.
4. Construction Hoarding: 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:**

- *Items marked with an asterisk (\*) require 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.*

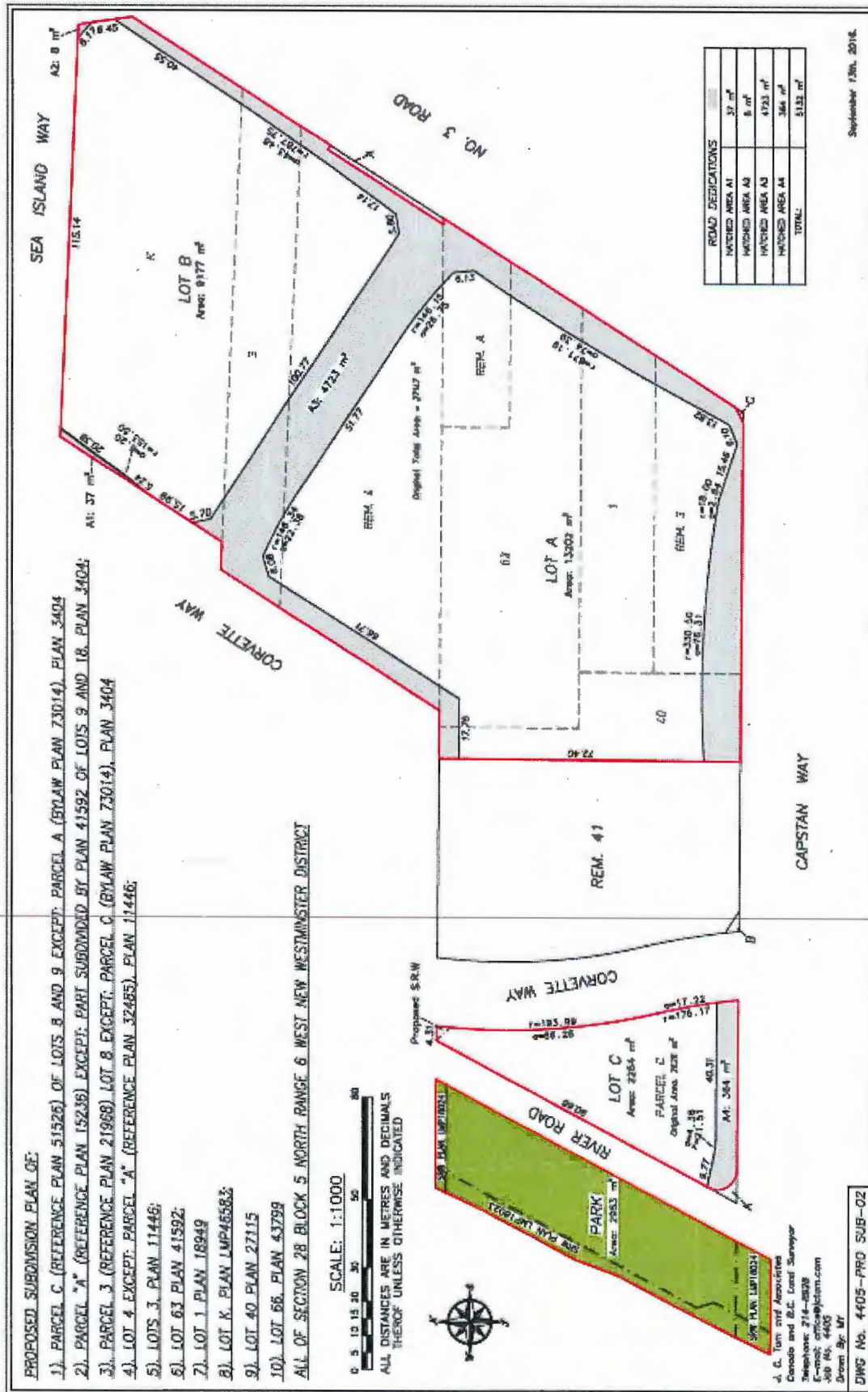
*The preceding agreements shall provide security to the City including indemnities, warranties, equitable/rent charges, letters of credit and withholding permits, as deemed necessary or advisable by the Director of Development. All agreements shall be in a form and content satisfactory to the Director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

SIGNED COPY ON FILE

Signed \_\_\_\_\_

Date \_\_\_\_\_

**SCHEDULE A**  
Preliminary Subdivision Plan



PLN - 112

Initial \_\_\_\_\_

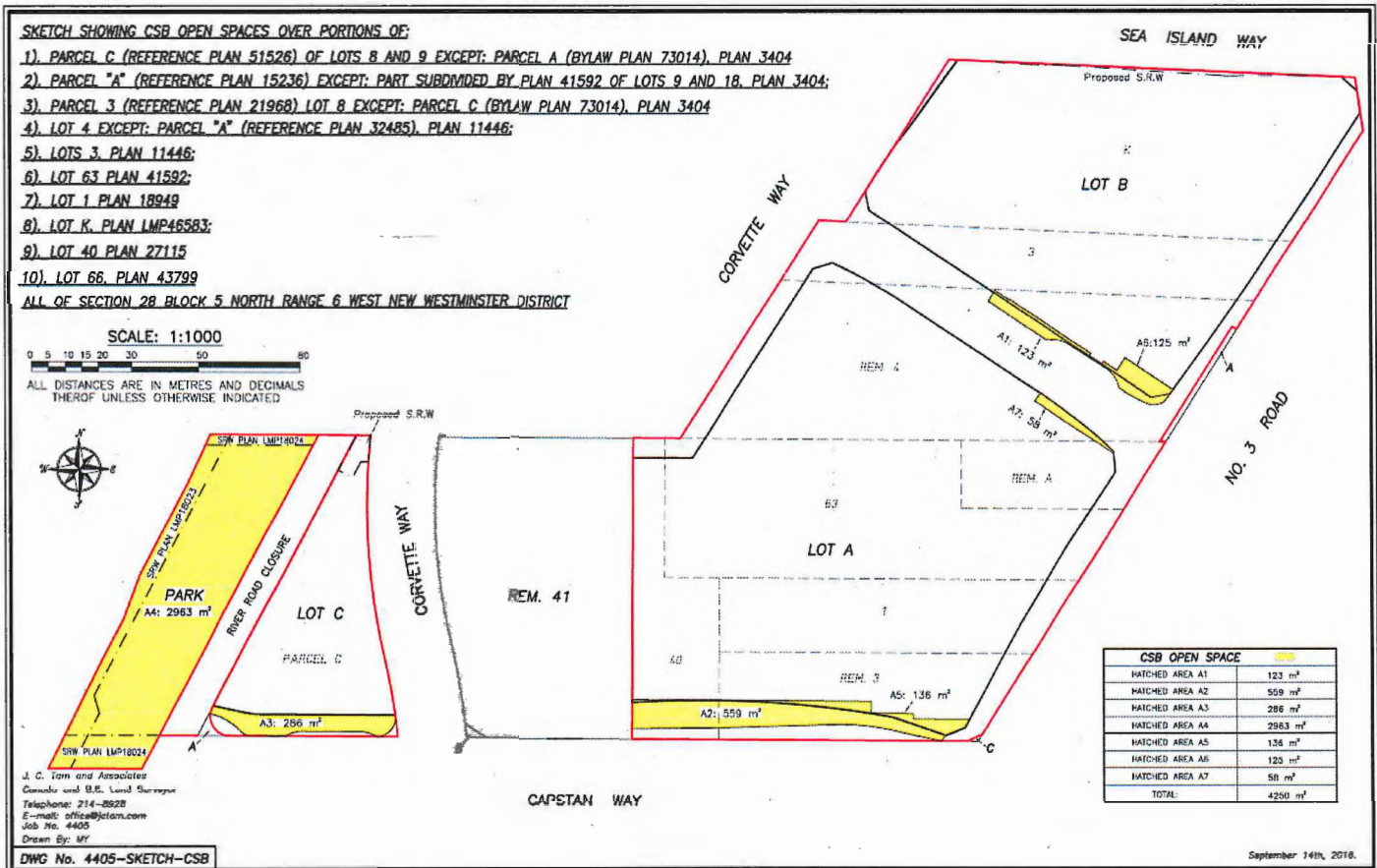


## September 14th, 2018.



# SCHEDULE C

## Capstan Station Bonus – Public Open Space (Fee Simple, Dedication & SRW) Location Map



RZC #	Capstan Station Bonus (CSB) Public Open Space Features (1)	CSB Voluntary Public Open Space Contribution (2)		
		Fee Simple	Dedication (Road)	SRW
4.1.1	Riverfront Park & Dike	2,963.0 m2 (31,893.5 ft2)	Nil	Nil
4.1.2(a)	East-West Street – Expanded sidewalk adjacent to the Community Centre	Nil	123.0 m2 (1,324.0 ft2)	Nil
4.1.2(c)	Capstan Way – Portions located more than 3.5 m behind the back of curb	Nil	845.0 m2 (9,095.5 ft2)	Nil
4.4.1(a)	Community Centre Plaza	Nil	Nil	183.0 m2 (1,969.8 ft2)
4.4.1(d)	Capstan Way Plaza	Nil	Nil	136.0 m2 (1,463.9 ft2)
Sub-Total		2,963.0 m2 (31,893.5 ft2)	968.0 m2 (10,419.5 ft2)	319.0 m2 (3,433.7 ft2)
<b>TOTAL</b>		<b>4,250.0 m2 (45,746.7 ft2)</b>		

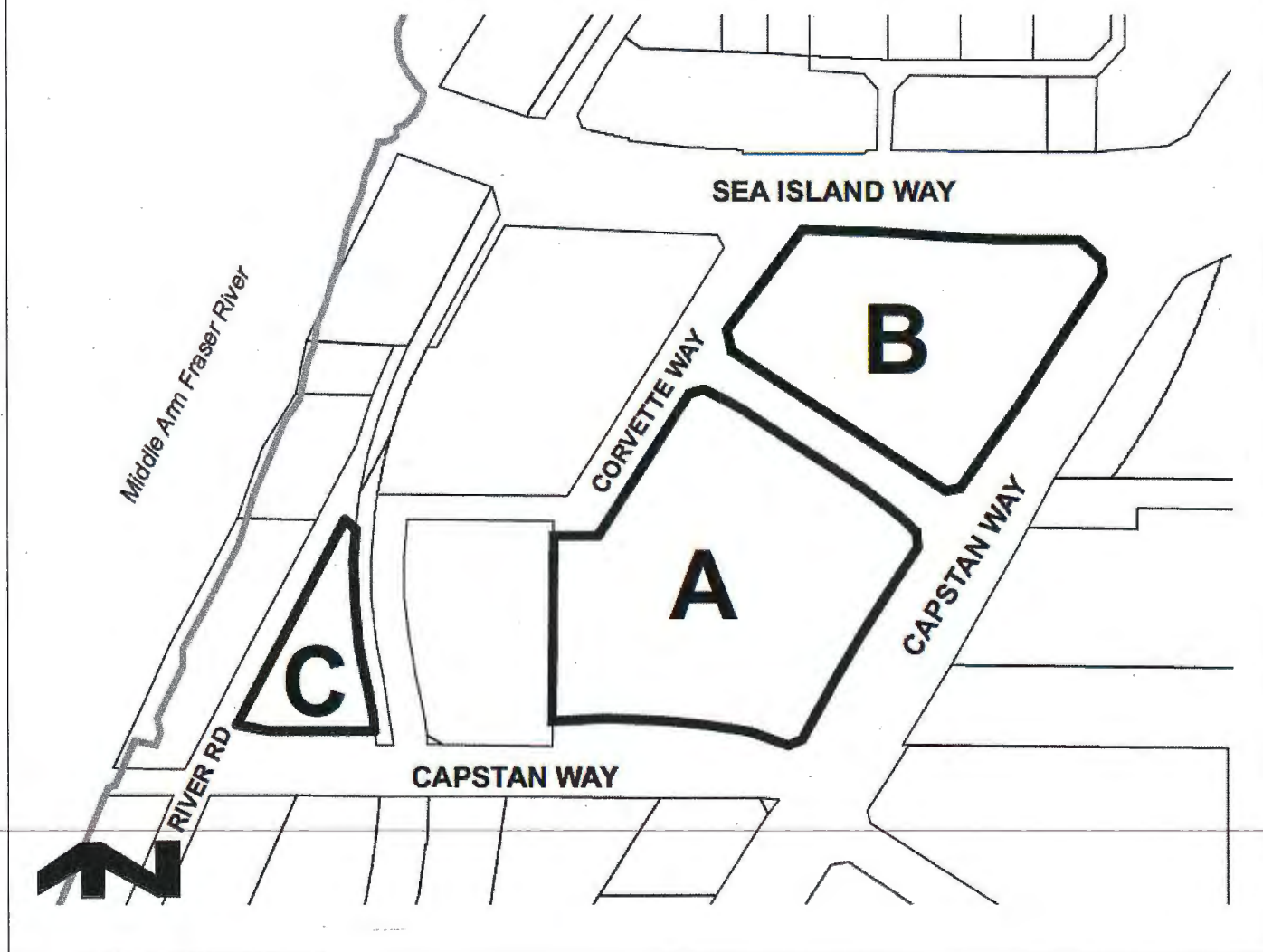
- (1) CSB public open space features are NOT eligible for Development Cost Charge (DCC) credits for park or road acquisition or park or road construction; however, as per the ZMU30 zone, the developer may use the area of CSB public open space features for density calculation purposes.
- (2) The developer is required to provide public open space in compliance with the ZMU30 zone. If the combined total number of dwellings on Lot A, Lot B, and Lot C exceeds 850, additional public open space must be provided to the satisfaction of the City as provided for under the ZMU30 zone prior to issuance of the applicable Development and Building Permits. (No adjustment shall be made if the combined total number of dwellings is less than 850.)

Initial \_\_\_\_\_

**Phase 1: Area A (Seaside South)**

**Phase 2: Area B (Seaside North)**

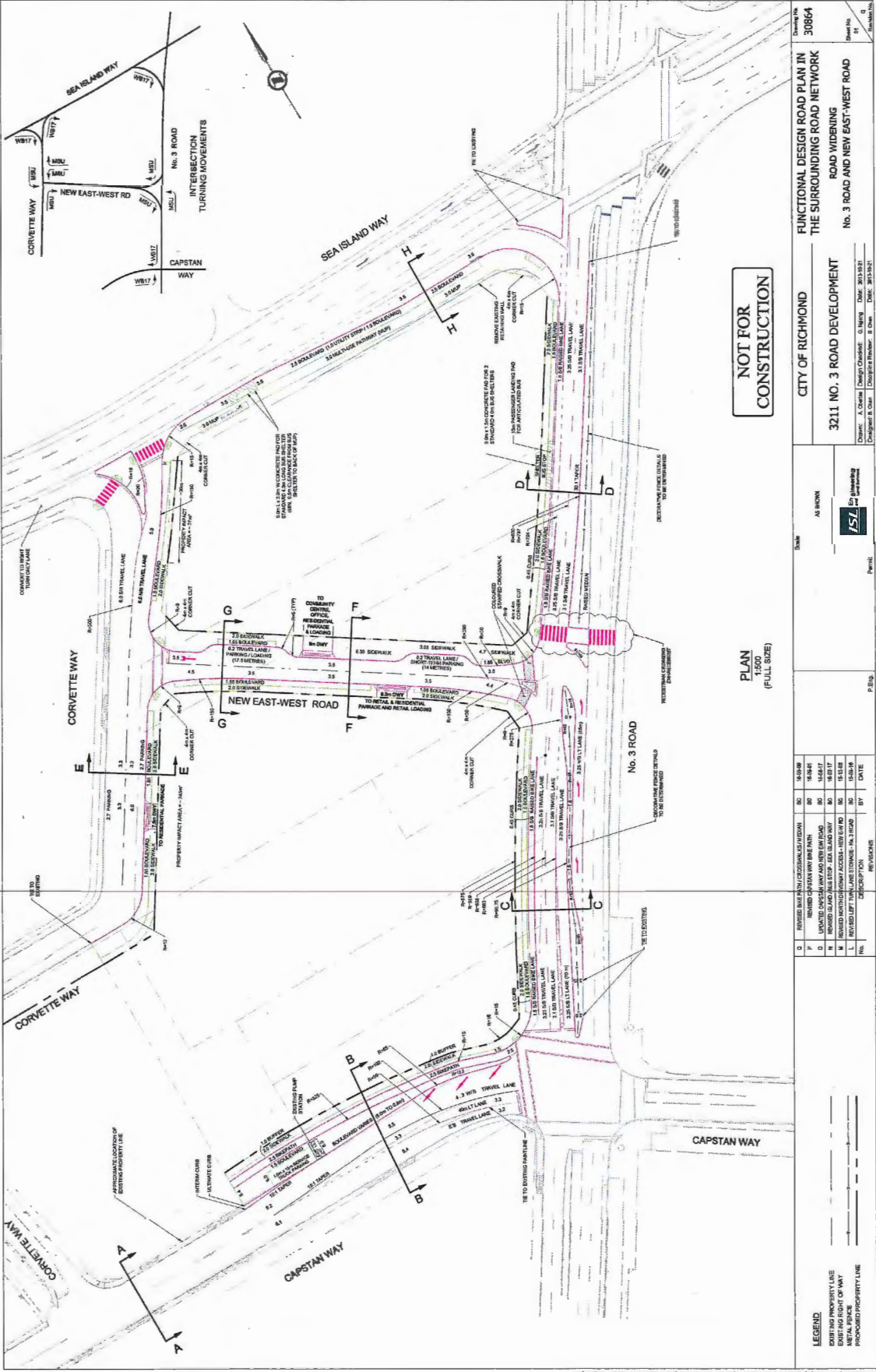
**Phase 3: Area C (Seaview)**



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SCHEDULE E  
Preliminary Functional Roads Plan (REDMS #564211 & 564212)

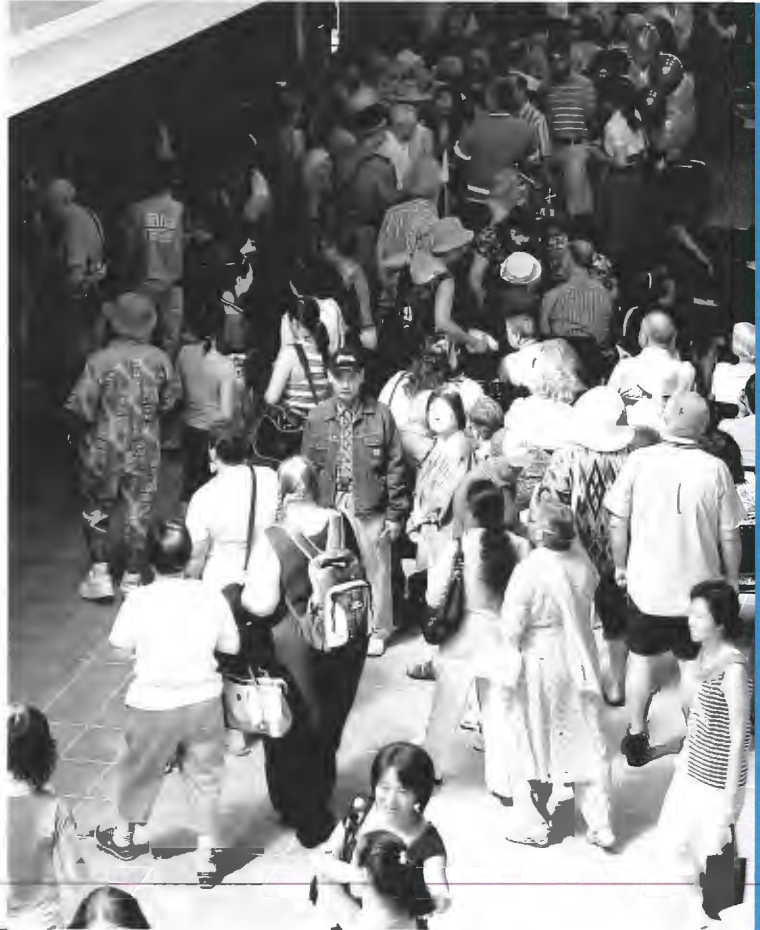


PLN - 116

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







**Prepared by:**  
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604.687.1898

# City Centre Community Centre North

## Terms of Reference

**SEPTEMBER 9, 2016**



## **Contents**

<b>Introduction</b>	<b>01</b>
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**City of Richmond Policy 2306 – Sustainable  
Facilities “High Performance” Building Policy –  
City Owned Facilities**

### **APPENDIX B**

**City of Richmond Building Equipment,  
Monitoring, and Integration Requirements**

### **APPENDIX C**

**City of Richmond Building Lighting Guidelines**

### **APPENDIX D**

**City of Richmond Direct Digital Control (for  
Buildings) and Energy Monitoring Guidelines**



## Introduction

This document summarizes the program and building specifications for a community centre to be built within the YuanHeng Seaside Development. The Developer is responsible for generally meeting the program and specifications provided in the report titled, "City Centre Community Centre North," dated August 30, 2016.

The City Centre Community Centre North is envisioned to be a leading edge community centre in the heart of the rapidly growing and diverse Capstan Village. The facility will provide community recreation programs and services for all ages and abilities. This facility will include a large "village square" or gymnasium for both sports and community events, an indoor activity track, children's Exploratorium, creativity lab, wet art studio as well as a variety of multipurpose spaces.

The program developed for this community centre requires a minimum indoor facility size of 32,000 sq ft, exclusive of uses contained within the parking structure. The Developer and City have agreed that a facility size of 33,439 sq ft (exclusive of uses contained within the parking structure) is required to meet the program in its proposed location due to the facility's configuration and its fit within the larger development.

The Community Centre Conceptual Plan for a 33,439 sq ft facility generally meets the program specifications that follow. The City and the Developer will continue to refine the design to ensure that it fully meets the program outlined while remaining within the foot print of the building provided.



# Overview of Facility

## Space Design Considerations

Key design characteristics identified as important to the success of the new community centre include spaces that are:

### Welcoming:

- will encourage the passerby to enter
- engages the interest of and is inclusive of persons of all ages and cultures, genders and identities
- is lively, bustling, and busy
- is family oriented with spaces and concurrent programs for children, parents and grandparents alike
- is a destination for those living outside of the immediate neighbourhood but also a community living room for those living in the immediate vicinity
- maximizes natural light
- respects eastern and western cultures alike

### Flexible:

- will accommodate a multitude of programs
- evolves as the community changes or when new programs are introduced
- has room finishes that facilitates flexible uses
- has storage capacities that allow for movable equipment and furniture to be stored to allow for different programs within one room

### Connected:

- physically connected indoor and outdoor spaces such that programming is not limited to the confines of the building envelope
- physically connected indoor and outdoor spaces to accommodate large event activities
- visually connected by building facade transparency both during the day and at night when activities within the building can be easily seen
- visible from the future skytrain station such that the new centre is not hidden among the new developments

### Sustainable:

- is contemporary and will not be quickly outdated
- will address the programming needs of the Capstan Village community
- will act as a regional facility while the immediate neighbourhood grows but in ambience will represent the character of the Capstan Village
- will utilize modern building systems to effectively manage energy and water usage
- will be financially sustainable



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## Program

Upon confirmation of the vision for the new community centre, the room by room program was developed through an iterative process with City Staff. The rooms are summarized in the table below. The detailed space requirements follow under the separate section "Room Data Sheets".

Room Type	Key Ideas, Uses	Adjacency	Area
"Village Square" Sports Hall	Active gathering space, flexible, "Garage" concept Ample connection to the exterior Ground level connection for hosting activities such as markets, exhibitions, trade shows, etc. that can spill outside of the facility Sized for physical activity, sports Sprung wood floor May or may not have sport court lines – exploration of current technology to provide this functionality is required Folding wall to divide space into two separate rooms Inclusive	Exterior Green Space Multipurpose Room Kitchen	6,500 s.f.
	"Village Square" Storage		600 s.f.
Activity Track	Indoor 2-Lane Running Track within "Village Square" for walking during months of rainy weather or for short track training 4' wide lanes Elevated within the Village Square enclosure	Village Square	2800 s.f.
Multipurpose Room 1	Connectivity to one side of the "Village Square" for use as a green room to support performances or demonstrations Alternate use as a breakout room or multipurpose room	Village Square	1500 s.f.
	Multipurpose Room Storage		150 s.f.
Multipurpose Room 2	Flexible space to support all types of programs	Multipurpose 1	1500 s.f.
	Multipurpose Room Storage		150 s.f.
Multipurpose Room 3/ Meeting Room	Size suited for use as a meeting room, flexible space for uses other than meetings		600 s.f.
Active Studio	Dance classes, wellness programs, sprung wood floor; extra high ceiling for creative dance		2000 s.f.
	Active Studio Storage		200 s.f.
Wet Art Room	Arts Education for multi-generations Dedicated room that creates awareness and brings arts community into a community facility		1100 s.f.



Room Type	Key Ideas, Uses	Adjacency	Area
	Enhanced ventilation for activities such as oil painting, glazing of hand built ceramics; daylighting		
	Art Room Storage		220 s.f.
Creativity Lab	Technology room Facilitates “maker” activities such as art, electronics, robotics, music, crafts, kinetic sculptures, fine art, computers, quilting, farming, engineering, and more Use of room for groups working on media projects, inventions, etc		1200 s.f.
	Creativity Lab Storage		200 s.f.
Children’s Exploration Room	Fun, Interactive, Mini Exploratorium Connected to the Lobby Accommodates after hours (7-9pm) children’s programming Zoned areas for young children and older children	Lobby	2000 s.f.
Kitchen	Support space for multiple rooms. Facilitates in-person social networking Square or close to square in proportions to allow for groups to gather within the room Possible use for culinary arts/teaching programs	Multipurpose Rooms Village Square	500 s.f.
Administration and Reception	Welcoming, visual connections to lobby	Lobby Comm Room	
	Reception including RFC and Cash		700 s.f.
	Staff/First Aid		200 s.f.
	Meeting Room		200 s.f.
	Shared Office for 8		450 s.f.
	AC		100 s.f.
Lobby	Unique gathering space or spaces to encourage “pods of interaction” Connectivity to adjacent surroundings and possible connection to River via views, programs, streetscape Creates context for the community, houses the community living room Exhibition space, 3D public art	Reception/ Administration Children’s Exploration Room	2400 s.f.
Support Spaces	Washrooms including showers, each within an universal change/shower cubicle 5 total showers (includes 1 barrier free) Mechanical, electrical and communications rooms, janitors closets, small non-designated storage room for emergency programs, elevator		6730 s.f.

Room Type	Key Ideas, Uses	Adjacency	Area
Public Exterior Plaza	Water, gas, electricity. This is a space that will be activated and that should connect inside and outside. Ideally is seen to have garage type or doors that open to the interior creating a fluid and continuous space.		
Feature Stairs	Stairs should be front and centre, encourage people to use them		
Total Area			32000 s.f.



## Specifications and Interior Finishes

Minimum base building requirements, reference finishes specifications, as well as detailed room data sheets are provided below for the Community Centre to provide direction and outline base expectations for the design, development, and construction of the facility. It is understood that as the design is evolved that every effort will be made to design and construct a facility that represents best practices in the development of recreation facilities. As such, construction methods, systems and finishes will be chosen that meet the design principles outlined both in this document and the full program document titled "City Centre Community Centre North," dated August 30, 2016, though they may vary from the specifications provided should a more appropriate solution be identified. The City will sign off on all finishes and systems prior to construction.

## Minimum Base Building Requirements & Facility Wide Infrastructure

### Stand-alone facility

The community centre facility shall be constructed as independent from the rest of the YuanHeng development. The intent of the separation is to allow the facility to function as a stand-alone facility (exclusive of uses contained within the parking structure). Mechanical, electrical, communications, life safety and security system shall all be independent and thereby allow for energy and usage monitoring of the community centre and maintenance of systems without affecting other areas of the development and vice versa. This will also allow the City to have control of the systems.

In addition, no systems or their components which are not for the sole use of the community centre (exclusive of uses contained within the parking structure) shall be physically located within the community centre footprint.

### Parking

A total of 52 dedicated parking stalls are to be provided by the Developer for use by the Community Centre 24 hrs per day, seven days per week, plus 2 loading/parking spaces for the exclusive use of the City for program and other community centre vehicles. In addition, a total of 20 spaces will be available for shared use between the office spaces and the Community Centre. The City will be permitted to designate the use of the spaces (e.g., staff, families, pick-up/drop-off) as it sees fit and the rate charged for use of these spaces by the owner shall be to the City's satisfaction.

The parking spaces shall be reasonably located in proximity to direct access point(s) to the Community Centre.

A drop-off zone close to the front entrance of the facility will be provided to facilitate access by those with limited mobility.

### LEED Performance

The project shall achieve LEED Gold Certification based on LEED BD+C New Construction Version 4. The project at a minimum is to adhere to ASHRAE 90.1-2010

The City of Richmond will provide an Owner's Project Requirements and Basis of Design document. City of Richmond Policy 2306 – Sustainable Facilities – High Performance Building Policy is to be followed.

### Corner Plaza

A corner plaza, to the south east of the facility, shall be provided with high quality, durable finishes with plaza surfaces that are easy to maintain and prevent a trip hazard from happening over time. The purpose of the corner plaza is to extend the interior lobby space to the exterior. Within the corner plaza and/or elsewhere along the frontage of the community centre, permanent tables and seating shall be provided (generally in 4 groups of 4 seats each for a total seating capacity of 16). Tables shall be designed to entice patrons to stay. An example would be chess boards permanently imprinted into the table tops. Electrical receptacles for power with USB ports shall be provided at each table.

Allowance to be made for bicycle racks and waste and recycling receptacles.

An overhead canopy which provides shelter to rain for at least two of the seating groups is strongly desired.

A free-standing concrete pylon housing a gas connection for portable BBQs is required. Final location within the plaza to be determined.

### Floor to Floor Heights and Special Construction

Clear ceiling heights, unobstructed by structure, lighting, ventilation, piping, signage, or other features, of at least 9.14 m (30.0 ft.) in the "village square" (i.e. gymnasium) and as noted in each of the room data sheets for other rooms are required. The Children's Exploration room requires a clear height of 4.26m (14.0 ft.) per the room data sheet and a 1.22m (4.0 ft.) depression for a portion of the room. The depression shall only sit over areas below, which can accommodate a lower ceiling height.

Floor depressions shall be provided elsewhere as required for specialty flooring such that all floor finishes are flush from room to room. (Flooring types that require slab depressions include sprung wood floors, pulastic floors and playtile floors.)

### Acoustic Requirements

It's extremely important to minimize sound transfer between the community centre and any nearby residential uses. Horizontal wall STC rating between any community centre space and any adjacent residential living spaces

needs to be a minimum of STC-62 and a minimum of STC-65 for bedrooms. Minimize horizontal sound transfer between the community centre floor slabs and residential construction with structural breaks in the floor slabs at the edge of the community centre.

Floor construction and finishes in the community centre should proactively manage any structural impact noise input from the Activity Room, Activity Track, or Sports Hall that might affect the residential structure.

### Column Locations

Column free spaces are required for all program rooms. In addition the Village Square Sports Hall, Activity Track and Children's Exploration room must be column free and cannot have protrusions within the wall surfaces. For other program rooms, columns may be permitted around the perimeter of the room with consultation and prior agreement from the City.

### Floor Openings

Make provision for a large floor opening to connect the lower and upper lobby areas. Tempered and laminated glass guardrails to be provided around the opening. Other options could be considered at the discretion of the City.

### Entry Vestibules

Entry vestibules are to be provided at the main entrance from the street and also at the parkade entrance. These vestibules shall be designed to meet ASHRAE 90.1-2010 and shall be equipped with automatic doors suitable for barrier free access.

### Elevator

3500lb hydraulic passenger elevator shall be provided. Cab size to suit stretchers. Flooring to match lobby flooring. Stainless steel doors and plastic laminate interior cab finish. Specifications will need to be pre-approved by the City.

### Exits

Sufficient width of exits to be provided per the BC Building Code such that upper floor occupancy can be accommodated without limitations. Occupancy of each room space shall be based on the occupancy load factors detailed in the BC Building Code and/or Fire Code.

Main exit stair which serves the dual function of exit and convenience access from main and upper floors shall be glazed. Fire protection shall be via window washing sprinklers. Alternate solution for this sprinkler type to be provided to the City of Richmond Building Department.

### Heating and Cooling

Heating and cooling systems shall be designed to meet temperature requirements listed in the room data sheets and also contribute to the energy credits for LEED and meet the requirements of the current edition of the BC Building Code. Equipment type/manufacturer will have to be approved by City of Richmond.

Ensure low noise levels of all units. HVAC ducting for supply and return air must be configured to eliminate sound transfer through the ducts between individual rooms, or control breakout from the ducts to the receiving spaces.

Maximum noise levels in NC shall be as follows:

- Village Square Sports Hall: 40
- Multipurpose, Art, Creativity Lab and Activity Rooms: 25
- Staff Areas: 25
- Children's Exploration Room: 35
- Lobby and circulation spaces: 40

The Village Square Sports Hall, Activity Track, Activity Room shall have the ability to heat up and cool down rapidly.

Control of the community centre's systems shall be from City of Richmond's DDC system.

### Ventilation

Typically air changes shall be designed to meet the requirements of the current edition of the BC Building Code and ASHRAE 62.1-2010.

In washrooms, double the BCBC requirement shall be provided, however demand-control ventilation in washrooms is permitted.

Extra exhaust requirements have been noted in the room data sheets.

Provide exhaust air heat recovery.



## Plumbing

All plumbing fixtures shall be of the low-flow type. Water use reduction shall contribute to LEED credits.

Two chilled water fountains with bottle fillers shall be provided, one per floor.

Exterior tamper proof, non-freezing hose bibb shall be provided at the plaza.

## Fire Protection

Fire protection systems shall be provided to meet NFPA requirements and the current BC Building code.

## Envelope Energy Performance

Building envelope shall meet the requirements of the current BC Building code and ASHRAE 90.1-2010.

## Solar Control

Solar control shall be provided throughout the building's south-facing spaces. Sunlight is not permitted to reach the court floor surfaces within the Village Square. Solar control can be mitigated with exterior sun shades however it is anticipated that roller blinds will be required for specific days/months of the year. Interior roller blinds will likely be damaged from ball use within the Sports Hall, for this reason an exterior roller shade system is preferred.

## Metering

Separate metering for the community centre shall be provided for HVAC, gas, water and electricity.

## Power, Lighting & Controls

Building equipment monitoring and integration guidelines (attached).

Building lighting guidelines (attached).

DDC requirements (attached).

## Emergency Power

Building equipment monitoring and integration guidelines (attached)

## Exterior Building Signage

Illuminated signs shall be provided in two locations on or near the exterior of the building. Signage shall include letters "CITY CENTRE COMMUNITY CENTRE NORTH" (or any other name of similar length as approved by Richmond City Council) together with any City-approved logo as appropriate.

Freestanding illuminated sign pylon (which may include a read-o-graph or other form of moving script) shall be provided within the plaza area. Pylon shall receive a data connection.

Building signage and/or the pylon sign shall be visible and readable from the proposed Capstan Canada Line station.

Building number sign shall be provided at the main entrance.

Signage illumination/operation shall be controlled based on a time schedule that will be confirmed by the City.

## Communications

Cat6 cables (desk typical of 3 data/tel/aux) for Data/Tel/Wifi/Camera/TV signage, Commscope Gigaspeed XL. Commscope Visipatch 360 Cable termination in Comm room(s). 4 post rack for Audiovisual, 2 x 2 post racks for Network Switches, Security, Fibre from outside (by others). 2kva Liebert network attached UPS in audiovisual rack and one 2 post rack for Network & Security. Generator power, if available (dedicated circuits regardless). Entrance communications conduits for Telus, Shaw & City Fibre. Main Comm room minimum 10 ft x 10 ft useable space, open ceiling with ohd cabletrays, plywood all walls floor to 9ft. Provide TELUS HSPA & LTE In-Building coverage for the Community Centre spaces. 95% of the target locations in City spaces will have both adequate radio coverage and a good cellular communication being provided. Note Telus will require execution of Real Estate Agreement and/or Amendment (for their equipment and services in private facility). Telus agreement should indicate all services installed are to support Community Centre needs, not to include transmission for other uses.

## **Fire Alarm**

Fire alarm wiring and zone designation shall be provided for the community centre.

## **Exterior Lighting**

Adequate lighting levels shall be provided in the plaza area to prevent undesirable activity and give a sense of security to visitors. Exterior lighting shall be controlled based on a time schedule that will be confirmed by the City.

LED lighting is preferred.

## **Security**

Security camera system to be provided for entire facility (internal and external), according to current industry best practices for community centres. Display cameras to be linked back to a central location that will be integrated with the City's monitoring/security system.

Door alarms at all exterior operable doors and motion detector for spaces adjacent to the exterior walls on the ground level is required. City of Richmond Honeywell system to be considered for base building as well as TI.

## **Doors and Hardware**

Alarmed doors will be required at exit corridors. Exterior doors and parkade doors shall be equipped with proximity card reader.

Main entry door and parkade door shall be equipped with a handicapped door operator.

All door hardware shall be institutional quality. Access control should be compatible with the City's specified system.

## **Maintenance**

Building equipment monitoring and integration guidelines (attached).

Building lighting guidelines (attached).

DDC requirements (attached).

## **Interior Finishes Level**

The finishes for the City Centre Community Centre North interior will be equivalent to or better than the finishes found in the recently built City Centre Community Centre located at 105-5900 Minoru Boulevard.

## **Room Data Sheets**

Detailed space requirements for each of the rooms listed in the program were established and are included in room data sheets that follow.

**"VILLAGE SQUARE" / SPORTS HALL****PROGRAM****PROGRAM INFORMATION**

Active gathering space, flexible for various uses, sized for physical activity and sports as well as hosting of events such as markets, exhibitions, trade shows, etc; "Garage" concept which is based on the idea that empty garages allow for all sorts of impromptu activities including garage bands, hanging out, table tennis, art creation, etc.  
Inclusive space  
Divisible into half via a divider curtain

**KEY ADJACENCIES**

Ample connection to exterior at ground level plaza via operable glazed wall to allow activities to spill outdoors; adjacent to Multipurpose Room 1; close proximity and visual connection to change rooms; close proximity to loading area (sidewalk) to service large dry floor events, loading access via over-height doors; houses track at upper level

**TECHNICAL NEEDS/ CONSIDERATIONS**

Regulation high school basketball court, standard volleyball court, 3 badminton courts. Portable basketball hoops to suit 1 full court and 2 cross courts; Provision for 4 wall mounted side-swing hoops to be installed by Owner after occupancy. LED projection system for sports regulation lines (ABS GlassFloor)/sprung wood floor

**OTHER**

This space must include all of the technical requirements for sports but also appeal to non-sport users to allow for maximizing of rentals and programming; Sports include basketball, volleyball, badminton, pickleball, indoor tennis and indoor soccer

**FUNCTION****AREA**

6650 s.f.

**STORAGE**

600 s.f. Storage to suit required equipment for gymnasiums sports use as well as optional seating in case of events

**CEILING HEIGHT**

30'-0" (9.1m) minimum clear height to underside of structure to accommodate team sports (particularly volleyball & badminton); typically requires 40'-0" floor to floor to allow for long span structural joists

**OCCUPANT LOAD**

100 for sports and programs; up to 600 for special events

**SPECIAL CONSIDERATIONS**

Adequate crush space for sports courts; non-rectangular room should be considered; Special attention to natural daylight and direct sunlight when concerning sports (eg. Badminton): Provide sun studies on request; long span, column free space: no protrusions; overhead doors to storage room, exterior sliding glass doors at sidewalk

**FINISHES****FLOOR**

Sprung Wood Floor: Robbins Sportwood Ultra Star Flooring with minimum 60 durometer black EPDM bio-pad and second grade and better maple; or alternate GlassFloor System; Pulastic finish on sprung system for a depth of 2'-0" along exterior wall

**BASE**

Vented Base

**WALLS**

All glazing: tempered laminated glass; glazed interior walls along east side into stairs and lobby extends from finished floor to 8'-0" a.f.f.; glazed exterior wall to sit on 2'-0" a.f.f. concrete curb.

**CEILING**

Acoustic Treatment: horizontal panels to contribute to meeting STC requirements of room. Hanging baffles are not acceptable.

**DOORS**

Fully glazed tempered laminated aluminum doors typical; 9'-0" wide x 12'-0" high (clear opening) thermally broken exterior folding door at exterior wall: Corflex, Nanowall, Euro-Wall; for access of public and delivery of equipment and bleachers; card reader at entrance to room

**MISC. SPECIALTIES**

8'-0" high stained veneered plywood wall protection from top of floor base; motorized gym divider to divide the room in half (including portion of room under track): Draper Fold-Up Gym Divider with solid 10'-0" bottom vinyl coated polyester and mesh fabric top; exterior roller shade system FM41 by SunProject or equal if roller blinds are required for sun control; Scoreboard, shot clocks; wallet lockers recessed in wall

**ACOUSTICS**

Acoustical treatments (wall/ceiling panels); to suit community performances; sound separation from adjacent rooms

Reverberation time: 1.2 seconds unoccupied (500-2000Hz)

Ambient or background noise level (all sources): NC-40

Door STC rating: To lobby, STC-35; to Multipurpose room 1, STC-35

Minimum wall STC Rating: To lobby, STC-52; to Multipurpose room 1, STC-53

Minimum IIC rating to MP Room 1: IIC-60

**SPECIAL REQUIREMENTS**

Use of wood on walls is desired to give warmth to room; finishes to appeal to all users; integrate and conceal scoreboard into wall so that it is not visible when the room is not used for sports activities; All interior components must be durable and withstand ball use, be tamper-proof from the interior and exterior ie. exterior mounted window blinds if required for sun control is preferred on the exterior of the building so it cannot be damaged from sports participants within the room

## ROOM DATA

**"VILLAGE SQUARE" / SPORTS HALL****MECHANICAL/ELECTRICAL**

\* Wifi cabling by contractor, hardware/software by City of Richmond to ensure compatibility with City System; AV equipment to be purchased by City of Richmond (FF&E)

MECHANICAL	HVAC	Heating set points 18 C / Cooling set point 20 C / Relative humidity 50% / Ventilation Rate 25 cfm/person
	PLUMBING	Chilled water fountain with water bottle filler immediately outside room
	OTHER	-
ELECTRICAL	POWER	Score clock, shot clocks, motorized projection screen and projector and sound system; Gym divider; Outlets required at perimeter; LED projection system for sports regulation lines (if using alternate GlassFloor System); event power on exterior wall; water fountain; All components to be protected from ball use.  Wall data jacks required at reasonable intervals around room.
	LIGHTING	Minimum 3 levels of lighting; suspension system for specialty lighting
	COMMUNICATION	Wifi*
	SECURITY	Door alarms, motion detector, card reader
	AUDIO/VISUAL	Sound System, PA system, Provision for large projection screen suspended at the upper level at north end of room

None Required

**MILLWORK**

# ACTIVITY TRACK

## PROGRAM

### PROGRAM INFORMATION

Indoor two lane running/walking track around the perimeter of the Village Square  
4' wide lanes  
Use for walking during months of rainy weather, for short track training and for active programs such as bootcamp, interval training, etc.  
Elevated

### KEY ADJACENCIES

Within Village Square; alternate locations may be considered

### TECHNICAL NEEDS/ CONSIDERATIONS

Location of track to not interfere with required clearances for sports within Village Square; no free-standing columns permitted for supporting the track from below

### OTHER

-

## FUNCTION

### AREA

2800 s.f.

### STORAGE

N/A

### CEILING HEIGHT

Min. 8'-0" clear from track floor to underside of structure above; or observe clear height requirements for sports if track overlaps courts

### OCCUPANT LOAD

60

### SPECIAL CONSIDERATIONS

Provide adequate space around running track to accommodate stretching/resting

## FINISHES

### FLOOR

Fluid applied athletic floor: Robbins Pulastic Classic 110 (no substitutions)

### BASE

Rubber base

### WALLS

Tempered glass interior walls from finished floor to 8'-0" a.f.f.; tempered laminated glass guardrails around track

### CEILING

See Village Square requirements

### DOORS

Tempered glass aluminum doors; card reader at entrance to room

### MISC. SPECIALTIES

Corner guards

### ACOUSTICS

Acoustical requirements as per Village Square

### SPECIAL REQUIREMENTS

-

## MECHANICAL/ELECTRICAL

### MECHANICAL

#### HVAC

As per Village Square requirements

#### PLUMBING

Chilled Water fountain w/ bottle filler outside of room in Upper Lobby adjacent to washrooms

#### OTHER

-

### ELECTRICAL

#### POWER

Outlets for housekeeping

#### LIGHTING

As per Village Square requirements

#### COMMUNICATION

As per Village Square requirements, Wifi\*

#### SECURITY

Card reader

#### AUDIO/VISUAL

As per Village Square requirements



## ROOM DATA

**MULTIPURPOSE ROOM 1 & 2****PROGRAM****PROGRAM INFORMATION**

Flexible space to support a variety of programs including active programs, yoga, games, discussion groups, children's programs and banquets  
One Multipurpose room to house a universal washroom to support Seniors programming.

**KEY ADJACENCIES**

Both rooms adjacent to each other is preferred  
One room to be adjacent to Village Square to allow for use as a green room to support performances within the Village Square  
Adjacent to kitchen

**TECHNICAL NEEDS/ CONSIDERATIONS**

FM Listening assistance system for hearing impaired in MP room with unit washroom; daylighting; clear span, column-free space for usability and flexibility of space

**OTHER**

Wall adjacent to Village Square to allow for door openings and glazing into the Village Square; MP1 to be divisible into two equal spaces via folding wall; MP1 to open to lobby via glazed sliding wall front: Kawneer 1040 or equal

**FUNCTION****AREA**

1500 s.f.

**STORAGE**

150 s.f.

**CEILING HEIGHT**

10'-0" clear minimum

**OCCUPANT LOAD**

30 for Yoga; 120 for Banquets; 140 for lectures (final occupant load will depend on room configuration)

**SPECIAL CONSIDERATIONS**

Storage for tables and chairs

**FINISHES****FLOOR**

Sheet Vinyl (wood grain pattern) with resilient backing / or just sheet vinyl pattern to be confirmed.

**BASE**

Stained wood base

**WALLS**

Gypsum Board; tempered glass interior walls for daylighting from finished floor to 8'-0" a.f.f.

**CEILING**

Acoustic Ceiling Tile

**DOORS**

Wood, Stained; card reader at entrance to room

**MISC. SPECIALTIES**

Window Blinds (blackout blinds for MP Room 1), wall protection, corner guards; folding wall in Multipurpose 1: manual top supported with STC rating of 56: Modernfold or equal, white board

**ACOUSTICS**

Reverberation time: 0.5 seconds unoccupied (500-2000Hz)  
Ambient or background noise level (all sources): NC-35  
Door STC rating Multipurpose Room 1: To Sports Hall, STC-40; to Hallway, STC-35  
Minimum wall STC Rating Multipurpose Room 1: To Sports Hall, STC-53; to hallway, STC-52  
  
Minimum wall STC Rating Multipurpose Room 2: To Hallway, STC-50; to Children's Exploration Room, STC-53  
Minimum IIC rating of Multipurpose Room 2 to lower floor offices and MP Room 1: IIC-60

**SPECIAL REQUIREMENTS**

All walls between community centre activity rooms must be full height to the structure, and any penetrations of the walls, or gaps at the ceilings should be caulked, filled or fire stopped to maintain STC ratings. Hallways/Corridors Reverberation time: 0.5 seconds unoccupied (500-2000Hz) typical.

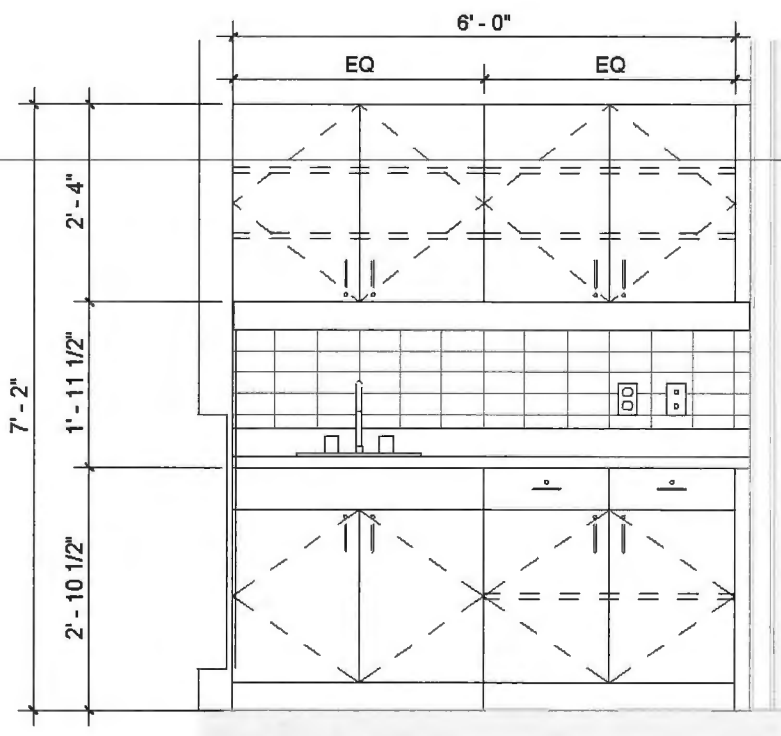
## ROOM DATA

**MULTIPURPOSE ROOM 1 & 2****MECHANICAL/ELECTRICAL**

MECHANICAL	HVAC	20C to 24C temperature range
	PLUMBING	Sink in both MP rooms, universal washroom in one MP room (see typical washroom for details)
	OTHER	-
ELECTRICAL	POWER	Ceiling mounted projection screen, ceiling mounted projector, in-floor and wall outlets
	LIGHTING	Two levels of lighting
	COMMUNICATION	Wifi*, in-floor and wall data outlets; rough-in outside entry door for room schedule information panel; outlets above counter; telephone
	SECURITY	Card reader
	AUDIO/VISUAL	FM listening assistance system for hearing impaired in MP room with unit washroom, sound system, ceiling mounted LED/Laser projector and motorized projection screen; PA System, AV control wall panel; Wall AV inputs

**MILLWORK**

Upper and lower plastic laminate on plywood cabinets and drawers complete with under cabinet light valance and ceramic tile backsplash  
Provide 3 units in total, one in each half of MP1 and one in MP2; alternatively provide one double unit in MP1



## ROOM DATA

**MULTIPURPOSE ROOM 3****PROGRAM****PROGRAM INFORMATION**

Flexible space to support a variety of programs including meetings  
This room is the lowest in priority and may not be able to be accommodated in the layout

**KEY ADJACENCIES**

Can be located on upper level  
Close proximity to upper level washrooms

**TECHNICAL NEEDS/ CONSIDERATIONS**

Daylighting

**OTHER**

Column-free space for usability and flexibility of space

**FUNCTION****AREA**

600 s.f.

**STORAGE**

Within millwork in room

**CEILING HEIGHT**

9'-0" clear minimum

**OCCUPANT LOAD**

30; group classes for up to 12

**SPECIAL CONSIDERATIONS**

-

**FINISHES****FLOOR**

Linoleum

**BASE**

Rubber Base

**WALLS**

Gypsum Board, tempered glass interior walls for daylighting from finished floor to 8'-0" a.f.f.

**CEILING**

Acoustic Ceiling Tile

**DOORS**

Wood, Stained; card reader at entrance to room

**MISC. SPECIALTIES**

Window Blinds, wall protection, corner guards; chair rail; whiteboard

**ACOUSTICS**

Sound separation from adjacent rooms; requirements similar to MP 1 and MP 2

**SPECIAL REQUIREMENTS**

Millwork and sink counter: Refer to Multipurpose 1 & 2 for millwork requirements

**MECHANICAL/ELECTRICAL****MECHANICAL****HVAC**

20C to 24C temperature range

**PLUMBING**

Sink

**OTHER**

-

**ELECTRICAL****POWER**

TV, in-floor outlets, additional wall outlets

**LIGHTING**

Two levels of lighting

**COMMUNICATION**

Wifi\*, in-floor and wall data outlets; rough-in outside entry door for room schedule information panel; outlets above counter; telephone

**SECURITY**

Card reader

**AUDIO/VISUAL**

Sound system, fully integrated display system with wall mounted TV; PA System, AV control wall panel; Wall AV inputs

## ROOM DATA

**ACTIVITY ROOM****PROGRAM**PROGRAM  
INFORMATION

Medium impact recreational programs such as dance, yoga, fitness, pilates, some martial arts

## KEY ADJACENCIES

Can be located on the upper level

TECHNICAL NEEDS/  
CONSIDERATIONS

Sprung wood floors; Visual privacy required and may be achieved with roller blinds; Adjustable height ballet barres and mirrors; extra high ceiling for creative dance

## OTHER

Column-free space for usability and flexibility of space

**FUNCTION**

## AREA

2000 s.f.

## STORAGE

200 s.f.

## CEILING HEIGHT

12'-0" clear

## OCCUPANT LOAD

195; 20 for dance; 45 for fitness classes; 16 for martial arts

SPECIAL  
CONSIDERATIONS

Storage with either roll up doors or mirrored doors; Storage of mats, fit balls, body bars, steps, bosu balls and resistance equipment, etc.

**FINISHES**

## FLOOR

Sprung Wood Floor: Robbins Bio-Cushion system with bio-pads and second grade and better maple

## BASE

Vented Base

## WALLS

Gypsum Board, tempered glass interior walls to allow for daylighting of adjacent spaces from finished floor to 8'-0" a.f.f.

## CEILING

Acoustic Ceiling Tile

## DOORS

Glazed Aluminum doors, Aluminum Overhead Doors at Storage Room; card reader at entrance to room

## MISC. SPECIALTIES

Entire wall (approximately 50' length) of mirrors from 6" a.f.f. to 8'-0" a.f.f., Adjustable height ballet barres, Roller blinds

## ACOUSTICS

Treatment for reverberation, sound separation from adjacent rooms

Reverberation time: 0.5 seconds unoccupied (500-2000Hz)

Ambient or background noise level (all sources): NC-35

Door STC rating: To Hallway, STC-40

Minimum wall STC Rating: To Hallway, STC-53; to Activity Track/Sports Hall, STC-53

Floor STC Rating to Truck/Garbage area, STC-60

SPECIAL  
REQUIREMENTS

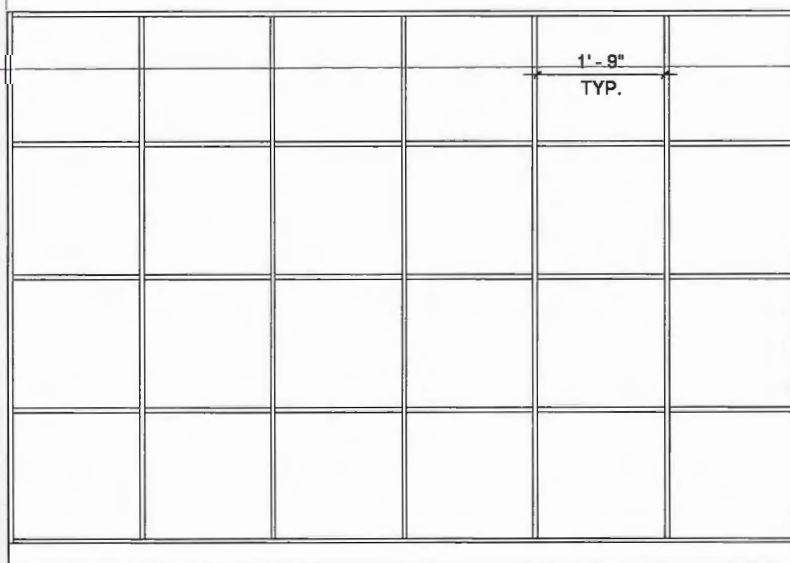
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**ACTIVITY ROOM****MECHANICAL/ELECTRICAL**

MECHANICAL	HVAC	Temperature range 25-16 degrees, in-room temperature control
	PLUMBING	-
	OTHER	-
ELECTRICAL	POWER	Housekeeping outlets, sound system. Wall data jacks at several locations in room.
	LIGHTING	Variable lighting levels ideally in different zones to create ambiance
	COMMUNICATION	Wifi*; telephone
	SECURITY	Card reader
	AUDIO/VISUAL	Sound System with stronger output speakers for fitness classes, include speed variable CD player with blue-tooth; Ipod and AV inputs, ability to connect to wireless/remote microphone for teaching classes, AV control wall panel; PA system

**MILLWORK**

Plastic laminate on plywood bag cubbies - 24 cubbies





## WET ART STUDIO

## PROGRAM

## PROGRAM INFORMATION

Arts Education for multi-generations; Dedicated room that creates awareness and brings arts community into the facility  
 Daylighting  
 Children and adult art programs; wet arts including painting, sculpture, clay hand-building, etc; 2-D art including drawing; Fabric arts such as sewing, felting, knitting; drying rack located in room; display system required for artwork (cable & clip)  
 Multipurpose and flexible space

## KEY ADJACENCIES

Close proximity to washrooms allow for children to have safe access without supervision by instructor  
 Can be located on the upper level

## TECHNICAL NEEDS/ CONSIDERATIONS

Hard wearing non staining floor (durable, good quality, low maintenance); Additional wall outlets and in-floor outlets for sewing machines; Two sinks (one BF); Reinforced walls for white boards, display boards; enhanced ventilation to create opportunities for oil painting and glazing of hand-built clay projects

## OTHER

Storage room must be sized to fit tables and 20 chairs, especially if adjustable tables aren't purchased; Large drying rack; 32 easels; Art supplies including paper storage on rack/shelving system; Column-free space for usability and flexibility of space

## FUNCTION

## AREA

1100 s.f.

## STORAGE

220 s.f.

## CEILING HEIGHT

9'-0" clear

## OCCUPANT LOAD

55 total capacity; Up to 20 students plus one instructor and one volunteer for drop-in club use; 15 children to one instructor for regular programs; 12 adults to one instructor for regular programs

## SPECIAL CONSIDERATIONS

Clay hand building only, not a pottery studio

## FINISHES

## FLOOR

Linoleum

## BASE

Rubber Base

## WALLS

Gypsum Board, tempered glass interior walls to allow for daylighting of adjacent spaces from finished floor to 8'-0" a.f.f.

## CEILING

Acoustic Ceiling Tile

## DOORS

Wood, Stained; card reader at entrance to room

## MISC. SPECIALTIES

Display system for hanging 2-D art on walls; paper towel dispenser; wall protection, corner guards

## ACOUSTICS

Reverberation time: 0.7 seconds unoccupied (500-2000Hz)  
 Ambient or background noise level (all sources): NC-35  
 Door STC rating: To Hallway, STC-30  
 Minimum wall STC Rating: To Hallway, STC-50; to Creativity Lab, STC-53  
 Floor STC Rating to Truck/Parkade area, STC-60

## SPECIAL REQUIREMENTS

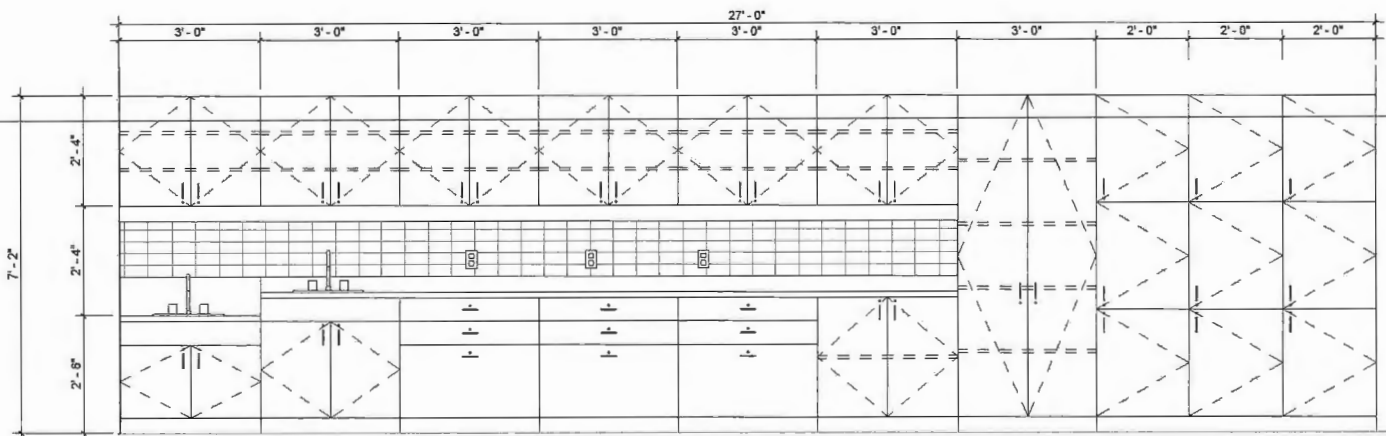
Washable surfaces and easy to clean flooring; Solid surface countertop and backsplash  
 Specialty millwork to house a variety of supplies required and stainless steel sink counter (regular height and barrier free height)  
 Reinforced walls for display boards

**WET ART STUDIO****MECHANICAL/ELECTRICAL**

MECHANICAL	HVAC	Enhanced Ventilation for art activities ie. pottery glazing, oil painting
	PLUMBING	2 Sinks (1BF height), Interceptors for sinks
	OTHER	-
ELECTRICAL	POWER	In-floor outlets and 20 additional wall outlets at various heights
	LIGHTING	Multiple lighting controls
	COMMUNICATION	Wifi*, in-floor and wall data outlets, outlets above counter, telephone
	SECURITY	Card reader
	AUDIO/VISUAL	Sound system, AV control wall panel, Wall AV inputs; PA system; Wall mounted TV

**MILLWORK**

Full height, upper and lower plastic laminate on plywood cabinets and drawers complete with under cabinet light valance, ceramic tile backsplash and stainless steel countertops; one sink at barrier free height



**CREATIVITY LAB****PROGRAM****PROGRAM INFORMATION**

Technology room that facilitates "Maker" activities such as art, electronics, robotics, music, crafts, kinetic sculptures, fine art, computers, quilting, farming, engineering and more.  
Use of room for groups working on media projects, inventions, etc.

**KEY ADJACENCIES**

Can be located on upper level

**TECHNICAL NEEDS/ CONSIDERATIONS**

Hard wearing non staining floor (durable, good quality, low maintenance); Additional wall outlets and in-floor outlets, sink, enhanced ventilation; counter for electronics and soldering

**OTHER**

Storage room must be sized to fit tables and 20 chairs, especially if movable tables aren't purchased; Column-free space for usability and flexibility of space

**FUNCTION****AREA**

1200 s.f.

**STORAGE**

200 s.f.

**CEILING HEIGHT**

9'-0" clear

**OCCUPANT LOAD**

60

**SPECIAL CONSIDERATIONS**

-

**FINISHES****FLOOR**

Linoleum

**BASE**

Rubber Base

**WALLS**

Gypsum Board, tempered glass interior walls for daylighting from finished floor to 8'-0" a.f.f.

**CEILING**

Acoustic Ceiling Tile

**DOORS**

Wood, Stained; aluminum overhead doors at storage room; card reader at entrance to room

**MISC. SPECIALTIES**

Paper towel dispenser, wall protection, corner guards

**ACOUSTICS**

Sound separation from adjacent rooms

Reverberation time: 0.5 seconds unoccupied (500-2000Hz)

Ambient or background noise level (all sources): NC-35

Door STC rating: To Hallway, STC-30

Minimum wall STC Rating: To Hallway, STC-50; to Wet Art Studio, STC-53

Floor STC Rating to Truck/Parkade area, STC-60

**SPECIAL REQUIREMENTS**

Washable surfaces and easy to clean flooring; stainless steel countertop and backsplash

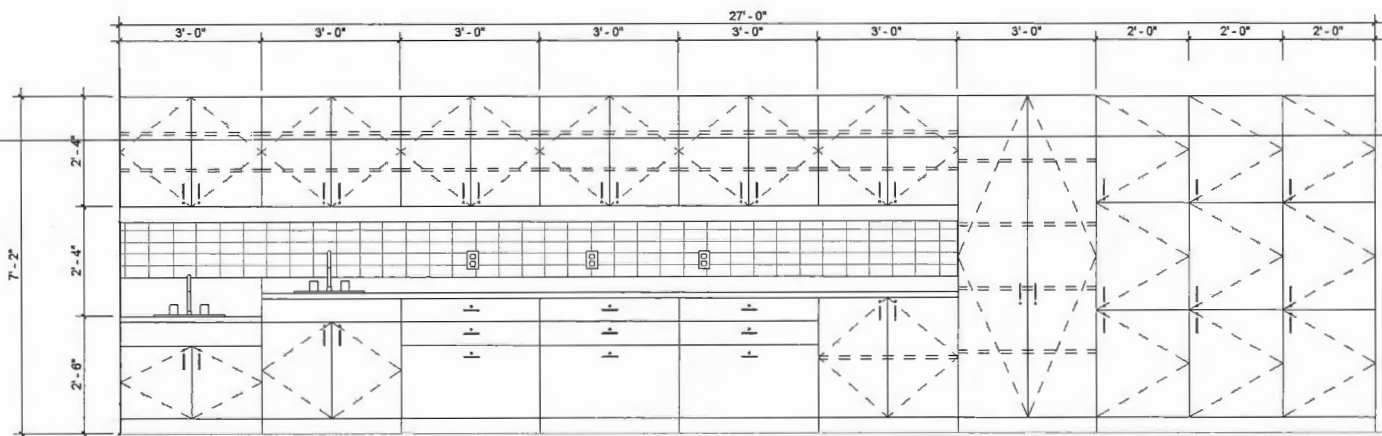
# CREATIVITY LAB

## MECHANICAL/ELECTRICAL

MECHANICAL	HVAC	Enhanced Ventilation
	PLUMBING	Sink, Interceptors for sink
	OTHER	-
ELECTRICAL	POWER	In-floor outlets and additional wall outlets; USB outlets for Maker Users, outlets above counter
	LIGHTING	Multiple lighting controls
	COMMUNICATION	Wifi* 2x density; In-floor data and wall outlets; telephone
	SECURITY	Card reader
	AUDIO/VISUAL	Sound system, PA system; Wall mounted TV for Maker class demos of media projects; AV control wall panel; Wall AV inputs

## MILLWORK

Similar to Wet Art Room with Full height, upper and lower plastic laminate on plywood cabinets and drawers complete with under cabinet light valance, stainless steel backsplash and stainless steel countertops; one sink at barrier free height



# CHILDREN'S EXPLORATION ROOM

## PROGRAM

### PROGRAM INFORMATION

Fun, interactive mini Exploratorium with fixed play equipment to teach physical literacy to young children  
 Separate zoned area for older youth  
 Dedicated room for these programs, allowing for day and evening use  
 Consideration for linking to a more extensive exterior Exploratorium along the streetscape that can provide a connection to the river  
 Natural light is desired

### KEY ADJACENCIES

Adjacent to Lobby and seating areas  
 Adjacent to Stroller parking areas  
 Preferred adjacency to exterior and location on ground level

### TECHNICAL NEEDS/ CONSIDERATIONS

Highly visible from lobby but acoustically separated; 4'-0" depression in floor overtop of the main floor offices/admin area (approximately 1/3 of total room area) to allow for lower playing area; North and east walls to be structurally designed for climbing apparatus; Soundproofing to spaces below

### OTHER

Flooring to suit falls from up to 8', walls to support wall mounted play structures; stroller parking at south wall in upper lobby

## FUNCTION

### AREA

2000 s.f.

### STORAGE

N/A

### CEILING HEIGHT

14'-0" clear to accommodate play structures

### OCCUPANT LOAD

50

### SPECIAL CONSIDERATIONS

Millwork bench cubbies for seating and shoes; Seating for up to 12 people in 2-3 tables; Provision to allow for picnics; Social area for parents, family, guardians and caregivers to watch / view the activity

## FINISHES

### FLOOR

Robbins Pulastic surface (no substitutions) over playground rubber tiles: Dinoflex PlayTiles or equal for fall height up to 8'

### BASE

Rubber Base

### WALLS

Gypsum Board, tempered laminated glass interior walls for daylighting from 2'-0" a.f.f. to 8'-0" a.f.f.; structural backing to supporting climbing walls

### CEILING

Acoustic Ceiling Tile

### DOORS

Tempered laminated glazed aluminum double doors; card reader at entrance to room

### MISC. SPECIALTIES

Wood veneer on plywood wall protection up to 12'-0" a.f.f.

### ACOUSTICS

Sound separation from adjacent rooms and rooms below

Reverberation time: 0.5 seconds unoccupied (500-2000Hz)

Ambient or background noise level (all sources): NC-35

Door STC rating: To Hallway, STC-35

Minimum wall STC Rating: To Hallway, STC-50; to Multipurpose Room 2, STC-53

Minimum IIC rating to lower floor offices and MP Room 1: IIC-60

### SPECIAL REQUIREMENTS

Recessed floor slab to accommodate PlayTiles such that there is no change in height transition at entryways; Allow for multiple colours and patterns in flooring; play-structures will be bolted to the floor

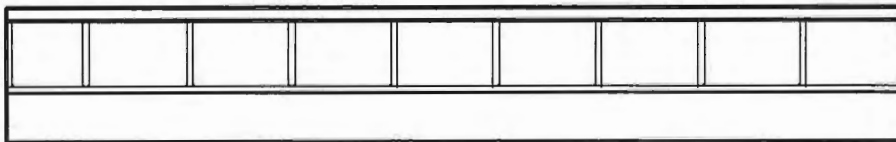


**CHILDREN'S EXPLORATION ROOM****MECHANICAL/ELECTRICAL**

MECHANICAL	HVAC	Temperature range 25-16 degrees, in-room temperature control
	PLUMBING	-
	OTHER	-
ELECTRICAL	POWER	Housekeeping outlets
	LIGHTING	Daylighting is preferred, with backup room lighting; recessed lights, hanging lights not permitted
	COMMUNICATION	Wifi*; counter or wall telephone outlets
	SECURITY	Emergency intercom to front desk; security camera; card reader
	AUDIO/VISUAL	Sound System; PA System

**MILLWORK**

Millwork benches complete with plastic laminate on plywood complete with shoe cubbies below  
 Bench length to accommodate 40 cubbies



## ROOM DATA KITCHEN

### PROGRAM

#### PROGRAM INFORMATION

Support space for multiple rooms. Facilitates in-person social networking  
Square or close to square in proportions to allow for groups to gather within the room  
Possible use for culinary arts/teaching programs, class size up to 12 persons  
Food prep/support space

#### KEY ADJACENCIES

Adjacent to Village Square and adjacent or close to Multipurpose rooms; Direct access to corridor allows for easy access to room for deliveries and use of room without disrupting adjacent programs; adjacent to Janitor Closet

#### TECHNICAL NEEDS/ CONSIDERATIONS

Pass through window to adjacent Village Square and possibly Multipurpose rooms

#### OTHER

Kitchen equipment requirements and NFPA code requirements; Accessible grease interceptor; Lockable millwork; Double BCBC/ Canadian Electrical Code for required electrical outlets on separate circuits

### FUNCTION

#### AREA

500 s.f.

#### STORAGE

N/A

#### CEILING HEIGHT

8'-6"

#### OCCUPANT LOAD

12

#### SPECIAL CONSIDERATIONS

Commercial Kitchen, upper and lower millwork cabinets, stainless steel countertops preferred

### FINISHES

#### FLOOR

Sheet Vinyl with cove base, non slip

#### BASE

Sheet vinyl cove base

#### WALLS

Gypsum Board, tile or stainless steel behind sinks and dishwasher (areas of high moisture)

#### CEILING

Moisture Resistant Gypsum Board

#### DOORS

Wood, stained, dutch door; card reader at entrance to room

#### MISC. SPECIALTIES

Paper towel dispenser, soap dispenser, aluminum coiling counter shutter on wall between Kitchen and Multipurpose room or Sports Hall depending on final room location

#### ACOUSTICS

Refer to adjacent rooms

#### SPECIAL REQUIREMENTS

Durable, washable finishes; light colours

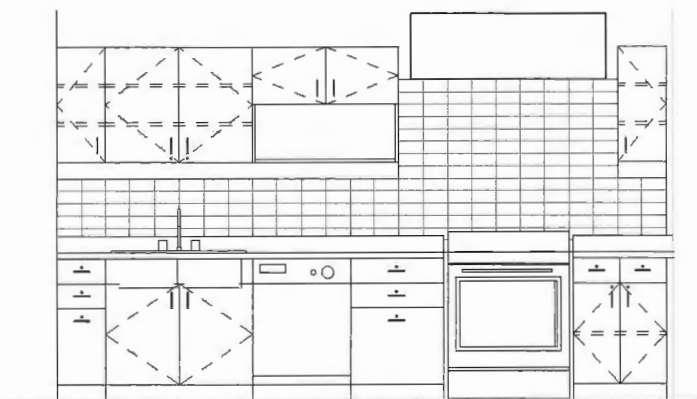
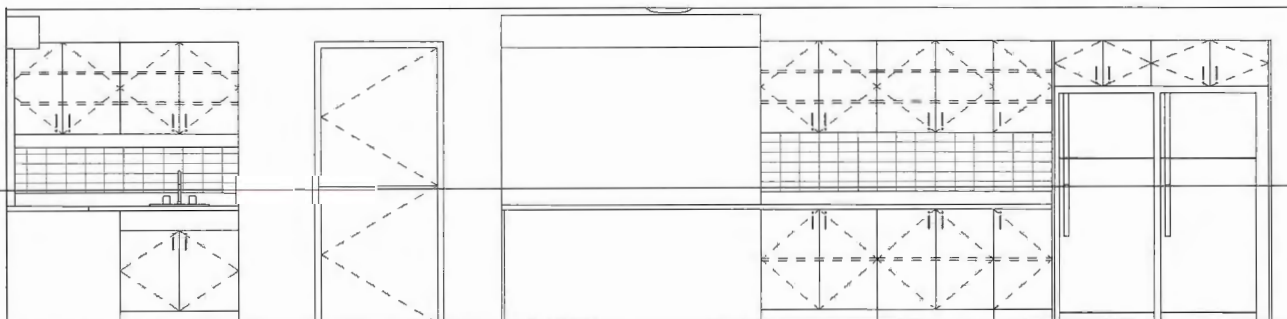
ROOM DATA  
**KITCHEN**

**MECHANICAL/ELECTRICAL**

MECHANICAL	HVAC	Smoke exhaust system per BCBC/ NFPA
	PLUMBING	3 Sinks, Commercial dishwasher, Commercial coffee maker, Accessible grease interceptor; secondary location for washer/dryer
	OTHER	-
ELECTRICAL	POWER	Appliances, Outlets above counters; Commercial sized refrigerator and freezer; Alternate location for washer/dryer; electric stove, oven
	LIGHTING	To meet health act requirements
	COMMUNICATION	Wifi*, telephone
	SECURITY	Card reader
	AUDIO/VISUAL	PA system, Wall mounted TV for teaching use

**MILLWORK**

Upper and lower plastic laminate on plywood cabinets and drawers complete with under cabinet light valance, ceramic tile backsplash and stainless steel counter-tops; microwave shelf, open areas under counter for storage of carts; Millwork island is preferred if space allows; drawing below are example illustrations



## RECEPTION INCLUDING RFC AND CASH

## PROGRAM

PROGRAM  
INFORMATION

Welcoming Reception Area for meeting and greeting the public, registration for programs, information desk  
 Space for 3-4 staff at reception desk  
 Recreation Facility Clerk (RFC) to be located within the reception area, away from view of the public; RFC has direct visual contact with the reception desk  
 Cash counting area with safe is located in a private space away from view of the public but within hearing range of the reception desk

## KEY ADJACENCIES

Direct connection to facility entrance; view of front doors from the desk  
 Adjacent to Lobby, connected to programming staff offices and staff in open office/workstations area  
 Close proximity to communication room or alternatively a communications closet

TECHNICAL NEEDS/  
CONSIDERATIONS

Open administration area to facilitate staff work area

## OTHER

Reception millwork to facilitate power and data and cable sharing between staff/POS locations

## FUNCTION

## AREA

700 s.f.

## STORAGE

N/A

## CEILING HEIGHT

8'-6" Clear

## OCCUPANT LOAD

6

SPECIAL  
CONSIDERATIONS

Total 6 workstations: 4 at reception desk, 2 in the reception area but not within sight of public; Must be able to be secured and locked down after hours; Accessible counter

## FINISHES

## FLOOR

Linoleum/carpet

## BASE

Rubber Base

## WALLS

Gypsum Board

## CEILING

Acoustic Ceiling Tile and Feature Ceiling over reception desk

## DOORS

Wood, Stained

## MISC. SPECIALTIES

White board, tack boards; Full height security grille, retractable into wall pocket: Mobilflex Aeroflex or equal  
 30 wallet lockers within view of front desk staff: Allmar stainless steel wallet lockers or equal

## ACOUSTICS

Sound separation from adjacent rooms  
 Reverberation time: 0.8 seconds unoccupied (500-2000Hz)  
 Ambient or background noise level (all sources): NC-40 max  
 Door STC rating: To Sports Hall, STC-35; to Multipurpose room 1, STC-35  
 Minimum wall STC Rating: To Sports Hall, STC-52; to Multipurpose room 1, STC-52

SPECIAL  
REQUIREMENTS

Custom reception desk with work area solid surface counters, upper and lower millwork cabinets, pullout drawers for printers, accessible location for PC's in millwork, Reception area will require a high degree of detailed design and customization to be functional

## RECEPTION INCLUDING RFC AND CASH

### MECHANICAL/ELECTRICAL

MECHANICAL	HVAC	Staff access to heating controls; Exhaust for photocopier; Ensure adequate heat for staff at reception desk during winter months with time-out controls
	PLUMBING	-
	OTHER	-
ELECTRICAL	POWER	Dedicated outlets for computer equipment, dedicated outlet for photocopier, AV equipment, Information display boards; outlets at front millwork desk for all required systems including receipt printers, debit machines
	LIGHTING	General lighting and pendant lights over reception desk
	COMMUNICATION	Wifi*, data wall outlets and data outlets under millwork, 4 POS stations; Ability to lock/unlock rooms-visual monitor; Telephones
	SECURITY	Public display of CCTV monitor
	AUDIO/VISUAL	Controls for facility Sound System, facility displays and PA System; Fully integrated display system with wall mounted displays for public information

### MILLWORK

Reception desk for four staff with the following characteristics:

- 4 computers/monitors
- Standing height counter for staff
- Keyboard trays for each station
- Cash drawers for two stations
- Solid Surface Transaction top
- Barrier free desk
- ~~Two below counter printer drawers~~
- Additional countertop space for security monitor
- Wire management below counter
- Minimum 2 Drawer units for storage, shared between two staff

Work Area to support reception:

Combination of upper and lower cabinets and drawers with plastic laminate countertops and space for two workstations for staff



## ROOM DATA

**STAFF ROOM WITH FIRST AID****PROGRAM**PROGRAM  
INFORMATION

Space for staff lunches and breaks for up to 8 staff at one time; Location for first aid supplies  
 This space may provide passive supervision of other spaces if desired via windows  
 This space is not intended as a treatment space for the public in case of injury

## KEY ADJACENCIES

Located within administration area, away from reception

TECHNICAL NEEDS/  
CONSIDERATIONS

No dedicated storage room; some storage available in millwork cabinets; Typical staff room requirements including metal lockers

## OTHER

-

**FUNCTION**

## AREA

200 s.f.

## STORAGE

N/A

## CEILING HEIGHT

8'-0"

## OCCUPANT LOAD

6-8

SPECIAL  
CONSIDERATIONS

Staff lunch room; houses first aid equipment; glazing into room

**FINISHES**

## FLOOR

Linoleum

## BASE

Rubber Base

## WALLS

Gypsum Board, tempered glass interior walls for daylighting from finished floor to 8'-0" a.f.f.

## CEILING

Acoustic Ceiling tile

## DOORS

Wood, Stained

## MISC. SPECIALTIES

6 metal lockers with hasp, paper towel dispenser, soap dispenser

## ACOUSTICS

Reverberation time: 0.5 seconds unoccupied (500-2000Hz)  
 Ambient or background noise level (all sources): NC-35  
 Door STC rating: To Hallway, STC-30  
 Minimum wall STC Rating: To Hallway, STC-50

SPECIAL  
REQUIREMENTS

Millwork upper and lower cabinets, plastic laminate countertop

## STAFF ROOM WITH FIRST AID

## MECHANICAL/ELECTRICAL

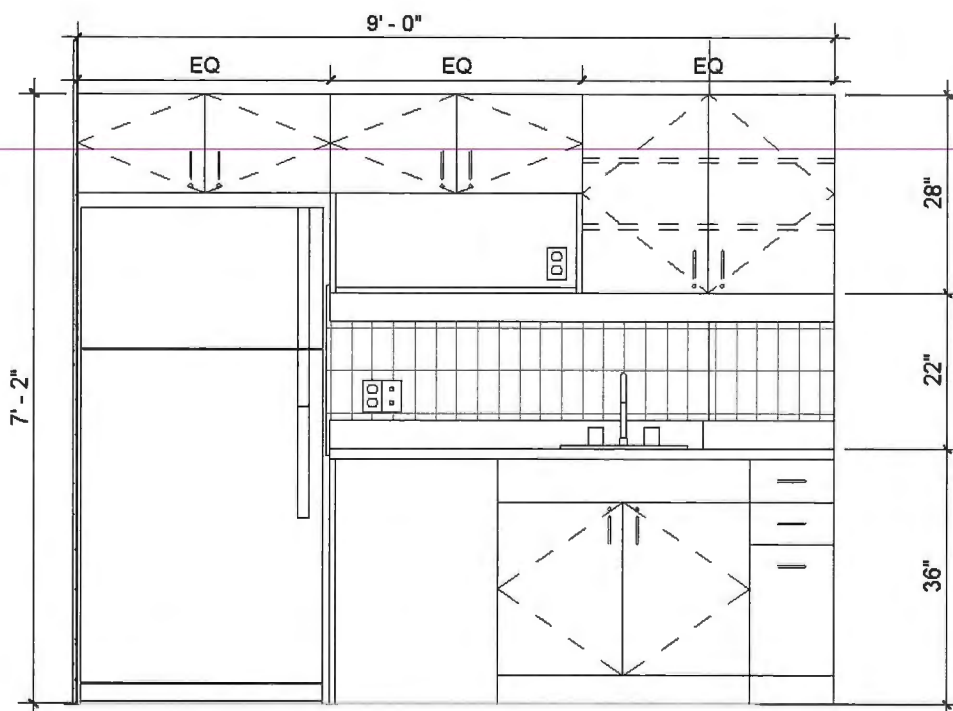
MECHANICAL	HVAC	20C to 24C temperature range
	PLUMBING	Sink with garburator, Small apartment sized dishwasher
ELECTRICAL	OTHER	Room temperature control
	POWER	Appliances including refrigerator, apartment sized dishwasher, microwave, over counter outlets; small Kitchenette setup
	LIGHTING	Occupancy sensor
	COMMUNICATION	Wifi*, Data wall outlet above counter, USB outlets
	SECURITY	-
	AUDIO/VISUAL	PA System

## MILLWORK

Upper and lower plastic laminate on plywood cabinets and drawers complete with under cabinet light valance and ceramic tile backsplash

Microwave shelf

Space for full height fridge and under counter dishwasher



## ROOM DATA

**MEETING ROOM****PROGRAM**PROGRAM  
INFORMATION

Multi-use meeting room for staff meetings, informal discussions, training, one on one meetings; space for up to 8 people

## KEY ADJACENCIES

Preferred location within administration area; alternate locations may be considered

TECHNICAL NEEDS/  
CONSIDERATIONSGlazed door and optional glazed screen recommended  
No storage within this room, items must be stored in alternate location

## OTHER

-

**FUNCTION**

## AREA

200 s.f.

## STORAGE

N/A

## CEILING HEIGHT

8'-6" Clear

## OCCUPANT LOAD

8

SPECIAL  
CONSIDERATIONS

Meeting space for up to 8 people

**FINISHES**

## FLOOR

Linoleum

## BASE

Rubber Base

## WALLS

Gypsum Board, tempered glass interior walls for daylighting from finished floor to 8'-0" a.f.f.

## CEILING

Acoustic Ceiling Tile

## DOORS

Wood, Stained; card reader at entrance to room

## MISC. SPECIALTIES

Blinds; Chair rail; White board

## ACOUSTICS

Sound separation from adjacent rooms

Reverberation time: 0.5 seconds unoccupied (500-2000Hz)

Ambient or background noise level (all sources): NC-35

Door STC rating: To Hallway, STC-30

Minimum wall STC Rating: To Hallway, STC-50

SPECIAL  
REQUIREMENTS

-

**MEETING ROOM****MECHANICAL/ELECTRICAL**

MECHANICAL	HVAC	20C to 24C temperature range
	PLUMBING	Plumb for future sink at millwork counter
	OTHER	Room temperature control
ELECTRICAL	POWER	AV equipment; wall outlets
	LIGHTING	-
	COMMUNICATION	Wifi*, data wall outlets; Rough-in outside entry door for room schedule information panel; Telephone
	SECURITY	Card reader
	AUDIO/VISUAL	PA System, Fully integrated display system with wall mounted TV; AV control wall panel; Wall AV inputs; Smart-board

**MILLWORK**

Plumb for future water / sink. At this point we don't think millwork will be required due to size of room, would like option in future.

## ROOM DATA

## SHARED OFFICE

## PROGRAM

PROGRAM  
INFORMATION

Shared office space with 8 workstations  
Programming staff; Building Service Workers (BSW)

## KEY ADJACENCIES

Within administration area, connectivity to reception desk

TECHNICAL NEEDS/  
CONSIDERATIONS

Glazed door and optional glazed screen recommended  
Storage within cabinets, large items must be stored in alternate location

## OTHER

-

## FUNCTION

## AREA

450 s.f.

## STORAGE

N/A

## CEILING HEIGHT

8'-6" Clear

## OCCUPANT LOAD

8

SPECIAL  
CONSIDERATIONS

Ensure access to all power and data with systems furniture design

## FINISHES

## FLOOR

Linoleum/carpet

## BASE

Rubber Base

## WALLS

Gypsum Board, tempered glass interior walls for daylighting from finished floor to 8'-0" a.f.f.

## CEILING

Acoustic Ceiling Tile

## DOORS

Wood, Stained; card reader at entrance to room

## MISC. SPECIALTIES

Systems furniture

## ACOUSTICS

Sound separation from adjacent rooms; systems furniture design to promote sound isolation within each cubicle; possible requirement for noise cancelation system

Reverberation time: 0.5 seconds unoccupied (500-2000Hz)

Ambient or background noise level (all sources): NC-35

Door STC rating: To Hallway, STC-30

Minimum wall STC Rating: To Hallway, STC-50

SPECIAL  
REQUIREMENTS

-



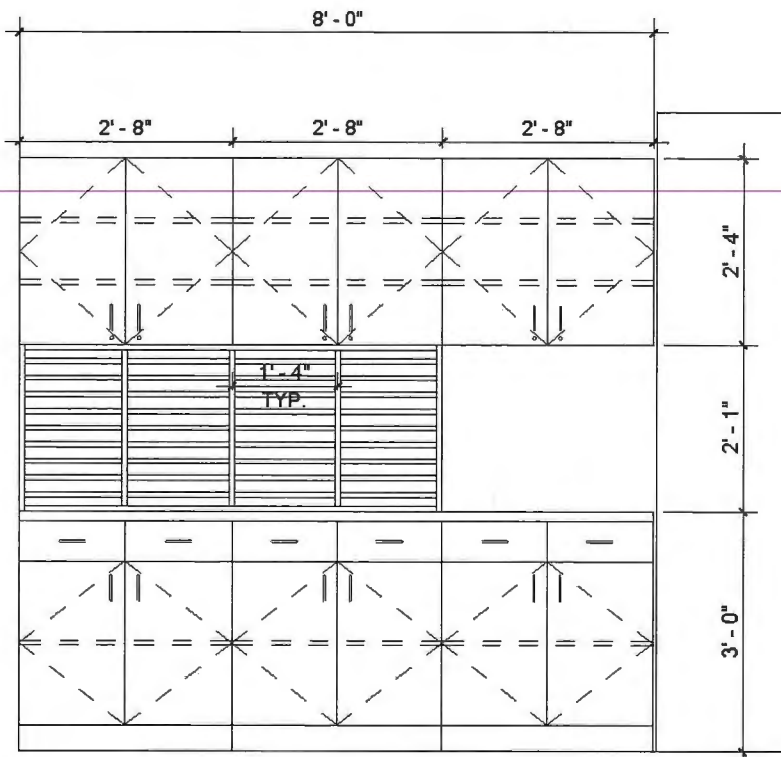
## ROOM DATA

**SHARED OFFICE****MECHANICAL/ELECTRICAL**

MECHANICAL	HVAC	20C to 24C temperature range
	PLUMBING	-
	OTHER	Room temperature control
ELECTRICAL	POWER	Outlets for computers plus additional outlets, telephone, dedicated printer
	LIGHTING	General room lighting and task lighting
	COMMUNICATION	Wifi*, data wall outlets: minimum 3 Cat6 per desk plus additional outlets, telephone
	SECURITY	Card reader on entry door
	AUDIO/VISUAL	PA System

**MILLWORK**

Upper and lower plastic laminate on plywood cabinets with mail slots and drawers



# AREA COORDINATOR OFFICE

## PROGRAM

### PROGRAM INFORMATION

Single office for one occupant  
Space for visitors

### KEY ADJACENCIES

Within administration area, connectivity to shared office

### TECHNICAL NEEDS/ CONSIDERATIONS

Glazed door and optional glazed screen recommended  
Storage within cabinets, large items must be stored in alternate location

### OTHER

-

## FUNCTION

### AREA

100 s.f.

### STORAGE

N/A

### CEILING HEIGHT

8'-6" Clear

### OCCUPANT LOAD

1 typical, up to 3

### SPECIAL CONSIDERATIONS

-

## FINISHES

### FLOOR

Linoleum/carpet

### BASE

Rubber Base

### WALLS

Gypsum Board, tempered glass interior walls for daylighting from finished floor to 8'-0" a.f.f.

### CEILING

Acoustic Ceiling Tile

### DOORS

Wood, Stained

### MISC. SPECIALTIES

Systems furniture

### ACOUSTICS

Sound separation from adjacent rooms  
Reverberation time: 0.5 seconds unoccupied (500-2000Hz)  
Ambient or background noise level (all sources): NC-35  
Door STC rating: To Hallway, STC-30  
Minimum wall STC Rating: To Hallway, STC-50

### SPECIAL REQUIREMENTS

-

**AREA COORDINATOR OFFICE****MECHANICAL/ELECTRICAL**

MECHANICAL	HVAC	-
	PLUMBING	-
	OTHER	Room temperature control
ELECTRICAL	POWER	Outlets for computers plus additional outlets, telephone, dedicated printer
	LIGHTING	General room lighting and task lighting
	COMMUNICATION	Wifi*, data wall outlets, telephone
	SECURITY	-
	AUDIO/VISUAL	PA System

**MILLWORK**

None required

## ROOM DATA LOBBY

### PROGRAM

#### PROGRAM INFORMATION

Unique gathering space or spaces within a larger room to encourage "pods of interaction"; Creates context for the community, houses the community living room; Exhibition space, 3D public art  
Casual meeting/social space for non-programmed interaction; Addresses an expressed desire to use facility to assist in nurturing and developing sense of community; Room that provides 'identity' to the community centre  
Feature Internal stair to encourage public use

#### KEY ADJACENCIES

Adjacent to reception area to facilitate use as a program and/or un-programmed space; Connectivity to Children's Exploration Room; Connectivity to adjacent surroundings and possible connection to River via views, programs, streetscape  
Connected to exterior plaza that can support indoor/outdoor activities such as open houses in good weather

#### TECHNICAL NEEDS/ CONSIDERATIONS

Surfacing to suit primarily street shoe programming functions, good slip resistance required; fireplace is recommended as a focal point; Typically limited wall space; No storage requirements

#### OTHER

-

### FUNCTION

#### AREA

2400 s.f.

#### STORAGE

N/A

#### CEILING HEIGHT

10'-0"

#### OCCUPANT LOAD

60

#### SPECIAL CONSIDERATIONS

Casual meeting/social space for approximately 60; non-program area and spill out space to exterior plaza; special events; Space to be divided into "nodes" via furniture, artwork, etc

### FINISHES

#### FLOOR

Terrazzo, polished concrete or porcelain floor tile; Permanent walk-off mat at vestibules

#### BASE

Aluminum or porcelain floor tile

#### WALLS

Gypsum Board with specialty paneling

#### CEILING

Combination Acoustic Ceiling Tile with Gypsum Board Bulkheads and featured wood ceilings

#### DOORS

Automatic Glazed Aluminum doors at main entrance and parking entrance within vestibules; Sliding Glass wall opening to plaza: Nan-owall preferred

#### MISC. SPECIALTIES

Specialty paneling ie. Resin panels, Wood Paneling, etc.

#### ACOUSTICS

Noise Reduction Acoustic Panels; See also requirements noted on Reception Room Data Sheet

#### SPECIAL REQUIREMENTS

-

### MECHANICAL/ELECTRICAL

#### MECHANICAL

##### HVAC

HVAC tied to exterior sliding doors

##### PLUMBING

Chilled drinking fountain with bottle filler

##### OTHER

-

#### ELECTRICAL

##### POWER

Charging stations for electronic devices; Fireplace; Television; Additional power to support events. Wall data jacks at regular intervals.

##### LIGHTING

Potlights; specialty lighting to give living room feel

##### COMMUNICATION

Wifi\*, USB outlets

##### SECURITY

Door alarms, motion detectors, etc.

##### AUDIO/VISUAL

Television, PA system, Sound System, Electronic displays

**WASHROOM/CHANGE ROOM/SHOWERS****PROGRAM****PROGRAM INFORMATION**

Promotes inclusivity for special populations with gender free shower cubicles complete with private change benches. 5 shower cubicles to be located between Men's and Women's Change room/washroom and accessed from both rooms  
One wheelchair accessible universal toilet room located on each level

**KEY ADJACENCIES**

Access close to lobby and good visibility for patrons upon entry; Proximity and/or sight lines to reception areas  
Washrooms/Change rooms and Shower to have close proximity and visibility to Village Square  
Provide Men's and Women's washrooms on both levels

**TECHNICAL NEEDS/ CONSIDERATIONS**

No doors (airport style) entry to washrooms are recommended; Typical washrooms fixtures; motion sensors for lighting; accessibility requirements; hand dryers

**OTHER**

-

**FUNCTION****AREA**

TBD

**STORAGE**

N/A

**CEILING HEIGHT**

8'-0"

**OCCUPANT LOAD**

N/A

**SPECIAL CONSIDERATIONS**

-

**FINISHES****FLOOR**

Ceramic Tile

**BASE**

Ceramic Tile

**WALLS**

Ceramic Tile

**CEILING**

Gypsum Board

**DOORS**

N/A

**MISC. SPECIALTIES**

Typical washroom accessories including baby change table; Phenolic ceiling hung cubicle partitions; Solid surface countertops; 24 two-tiered Bradley Lenox Plastic Lockers: 48 lockers total

**ACOUSTICS**

-

**SPECIAL REQUIREMENTS**

Ceramic wall tile to 5'-0" AFF minimum; Aquaboard ceilings in washrooms with showers; 2"x2" tile in showers, 6"x6" in washrooms; floors to slope to drain

**MECHANICAL/ELECTRICAL****MECHANICAL****HVAC**

Double BCBC requirement for ventilation

**PLUMBING**

Sinks, WC, Showers; Toto Ecopower flush valves and faucets or equivalent; floor drains

**OTHER**

-

**ELECTRICAL****POWER**

Dysan Airblade Hand dryers or equivalent; Above counter outlets at sinks

**LIGHTING**

Valance lighting; Occupancy sensors

**COMMUNICATION**

-

**SECURITY**

-

**AUDIO/VISUAL**

-



# MAIN JANITOR ROOM + SECONDARY JANITOR CLOSET

## PROGRAM

### PROGRAM INFORMATION

Support program spaces; stores cleaning supplies and maintenance equipment  
Janitor Closet is also required on the upper level and houses second mop sink for the community centre; approximately 40 s.f.

### KEY ADJACENCIES

Accessed from primary circulation and /or lobby

### TECHNICAL NEEDS/ CONSIDERATIONS

Size to suit janitorial supplies, floor scrubber machine; floor mounted mop/slop sink; outlet for floor scrubber @ 3'-0" AFF; additional hand sink is preferred; Optional location for washer/dryer  
3'-6" Wide door to accommodate floor scrubber

### OTHER

-

## FUNCTION

### AREA

80 s.f. minimum

### STORAGE

N/A

### CEILING HEIGHT

8'-0"

### OCCUPANT LOAD

N/A

### SPECIAL CONSIDERATIONS

Storage of cleaning supplies and maintenance equipment

## FINISHES

### FLOOR

Sealed Concrete

### BASE

Rubber Base

### WALLS

Gypsum board or concrete block; ceramic tile to 5'-0" around mop sink

### CEILING

Exposed ceiling is acceptable

### DOORS

Painted Hollow Metal

### MISC. SPECIALTIES

Mop/broom holder, wall protection is required to 5'-0" a.f.f. if walls are gypsum board

### ACOUSTICS

-

### SPECIAL REQUIREMENTS

Slope floor to drain

## MECHANICAL/ELECTRICAL

### MECHANICAL

HVAC

-

PLUMBING

Mop sink, hand sink, floor drain; Optional location for washer/dryer

OTHER

-

### ELECTRICAL

POWER

Outlet for floor scrubber at 36" AFF; Preferred location for washer/dryer

LIGHTING

Occupancy sensor

COMMUNICATION

-

SECURITY

-

AUDIO/VISUAL

-

# COMMUNICATIONS

## PROGRAM

### PROGRAM INFORMATION

Service room specific to the community centre

### KEY ADJACENCIES

Central location within the community centre TBC with electrical consultant  
Communications room to have close proximity to administration area and ideally central within the community centre to service all areas under 50m travel distance to avoid need of a second room. Access from corridor or staff space, not through a program space.

### TECHNICAL NEEDS/ CONSIDERATIONS

Back of house space with no windows is ideal for these service rooms; non public space; locate away from in-wall, in-floor or in-ceiling plumbing

### OTHER

-

## FUNCTION

### AREA

100 s.f. : 10'-0" x 10'-0" dimensions, usable space after gyproc + plywood installed

### STORAGE

N/A

### CEILING HEIGHT

10'-0" minimum exposed ceiling to allow room for overhead trays, racks and hvac

### OCCUPANT LOAD

N/A

### SPECIAL CONSIDERATIONS

Service room supporting communication systems for the community centre

## FINISHES

### FLOOR

Sealed Concrete

### BASE

Rubber base

### WALLS

Gypsum Board or Concrete Block

### CEILING

Exposed painted to reduce dust

### DOORS

Painted Hollow Metal

### MISC. SPECIALTIES

Fire treated plywood on all walls, 10'-0" high for anchoring equipment and overhead trays

### ACOUSTICS

-

### SPECIAL REQUIREMENTS

-

## MECHANICAL/ELECTRICAL

### MECHANICAL

#### HVAC

Dedicated unit that runs 24/7

#### PLUMBING

-

#### OTHER

-

### ELECTRICAL

#### POWER

Emergency generator power; 120V/20A dedicated circuits for IT/racks, audiovisual, security on walls.

#### LIGHTING

-

#### COMMUNICATION

-

#### SECURITY

Card reader on door; central equipment in this room; central AV equipment on communications rack  
Facility shall be ready to have security cameras installed throughout and be building alarm monitored

#### AUDIO/VISUAL

-

**MECHANICAL****PROGRAM****PROGRAM  
INFORMATION**

Service room specific to the community centre

**KEY ADJACENCIES**

Central location within the community centre TBC with mechanical consultants

**TECHNICAL NEEDS/  
CONSIDERATIONS**

Back of house space with no windows is ideal for service rooms; non public space

**OTHER**

-

**FUNCTION****AREA**

TBD

**STORAGE**

N/A

**CEILING HEIGHT**

Exposed

**OCCUPANT LOAD**

N/A

**SPECIAL  
CONSIDERATIONS**

Service room supporting mechanical systems for the community centre

**FINISHES****FLOOR**

Sealed Concrete

**BASE**

Rubber base

**WALLS**

Gypsum Board or Concrete Block

**CEILING**

Exposed

**DOORS**

Paint

**MISC. SPECIALTIES**

-

**ACOUSTICS**

Reverberation time: 0.8 seconds unoccupied (500-2000Hz); Door STC rating: To Hallway, STC-40; Minimum wall STC Rating: To Hallway and Kitchen, STC-53

**SPECIAL  
REQUIREMENTS**

-

**MECHANICAL/ELECTRICAL****MECHANICAL**

HVAC

-

PLUMBING

Floor drain in mechanical room

OTHER

-

**ELECTRICAL**

POWER

TBC

LIGHTING

-

COMMUNICATION

Data wall outlets for DDC and monitoring

SECURITY

Consider access control for room doors

AUDIO/VISUAL

-

**ELECTRICAL****PROGRAM****PROGRAM  
INFORMATION**

Service room specific to the community centre

**KEY ADJACENCIES**

Central location within the community centre TBC with Electrical consultants

**TECHNICAL NEEDS/  
CONSIDERATIONS**

Back of house space with no windows is ideal for service rooms; non public space

**OTHER**

-

**FUNCTION****AREA**

TBD

**STORAGE**

N/A

**CEILING HEIGHT**

Exposed

**OCCUPANT LOAD**

N/A

**SPECIAL  
CONSIDERATIONS**

Service room supporting electrical systems for the community centre

**FINISHES****FLOOR**

Sealed Concrete

**BASE**

Rubber base

**WALLS**

Gypsum Board or Concrete Block

**CEILING**

Exposed

**DOORS**

Paint

**MISC. SPECIALTIES**

Fire treated plywood on all walls 8'-0" tall for anchoring equipment

**ACOUSTICS**

Reverberation time: 0.8 seconds unoccupied (500-2000Hz); Door STC rating: To Hallway, STC-40; Minimum wall STC Rating: To Hallway and Kitchen, STC-53

**SPECIAL  
REQUIREMENTS**

-

**MECHANICAL/ELECTRICAL****MECHANICAL**

HVAC

-

PLUMBING

-

OTHER

-

**ELECTRICAL**

POWER

TBC

LIGHTING

-

COMMUNICATION

Data wall outlets for DDC and monitoring

SECURITY

Consider access control for room doors

AUDIO/VISUAL

-

## ROOM DATA PLAZA

### PROGRAM

#### PROGRAM INFORMATION

Active exterior gathering space, flexible for various uses, sized for physical activity and possibly sports as well as hosting of events such as markets, exhibitions, trade shows, etc;  
Inclusive space  
Connects interior to exterior via views and sliding glazed wall/doors  
Landscaped, seating areas

#### KEY ADJACENCIES

Ample connection to Village Square or Lobby via sliding glazed wall/doors to allow activities to spill outdoors; possible connection to Children's Exploration Room if this room is located on the main floor

#### TECHNICAL NEEDS/ CONSIDERATIONS

Plaza space to consider all aspects that would encourage the public to inhabit and use the space including reduction of vehicular noise, safety, lighting, seating, landscaping, covered areas, plaza materials, etc.; Consider conflict with circulation of patrons requiring access to residential lobby

#### OTHER

Consider zoning the plaza to encourage large and small group gathering; possible use as an exterior Exploratorium  
Prominent exterior illuminated sign identifying the community centre; Pylon sign located away from the building

### FUNCTION

#### AREA

TBD

#### STORAGE

Some storage may be required to facilitate outdoor programs; consider sharing Village Square storage by providing door access to the plaza

#### CEILING HEIGHT

N/A

#### OCCUPANT LOAD

-

#### SPECIAL CONSIDERATIONS

Signage, bike racks

### FINISHES

#### FLOOR

Scored and/or coloured concrete; differentiate from adjacent public sidewalk; smooth surface for wheelchair users

#### BASE

-

#### WALLS

-

#### CEILING

-

#### DOORS

Sliding glass wall or doors

#### MISC. SPECIALTIES

Concrete or stone tables and chairs which cannot be moved from the plaza; metal furniture bolted to the plaza slab may be considered

#### ACOUSTICS

-

#### SPECIAL REQUIREMENTS

Extension of building canopy to provide a sheltered area in the plaza. Canopy large enough to provide rain-cover for some of the seating area

### MECHANICAL/ELECTRICAL

#### MECHANICAL

##### HVAC

-

##### PLUMBING

Water connection via hose bibb with lockable access panel

##### OTHER

Gas connection for BBQs at exterior wall or preferably concrete pylon freestanding in plaza

#### ELECTRICAL

##### POWER

Event power via minimum 4 exterior receptacles; power for two prominent exterior illuminated signs and for pylon sign; receptacle with USB port at each fixed table

##### LIGHTING

Human scale, adequate to give a sense of safety

##### COMMUNICATION

Wifi\*; Data to pylon sign

##### SECURITY

Door alarms on adjacent building doors

##### AUDIO/VISUAL

Sound System, PA system





## Appendix A

City of Richmond Policy 2306  
– Sustainable Facilities “High  
Performance” Building Policy –  
City Owned Facilities

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**POLICY 2306:**

It is Council policy to:

**1. Undertake Comprehensive Financial Consideration**

Projects for new buildings and major renovations will be evaluated based on considerations of life-cycle costing and initial financial investment requirements.

**2. Incorporate High Performance Attributes into Building Design and Construction to the Maximum Extent Possible**

- LEED® BC will be used as the standard by which to assess building performance.
- That LEED Gold accreditation be set as the desired standard of building performance for new City buildings greater than 2000 sq.m (approximately 20,000 sq.ft).
- The City will seek to meet the performance standards of LEED Silver certification as a minimum requirement for major renovations to existing facilities and new City Buildings smaller than 2000 sq.m (20,000 sq.ft), but may not necessarily seek formal accreditation.

**3. Pursue Continual Improvement Through Building Retrofit and Efficient Building Maintenance**

Existing facilities and equipment will be upgraded to higher efficiencies as budgets and circumstances allow, and where the change offers a simple payback of no more than five years.

Equipment will be maintained to energy-efficient standards.

**4. Foster Awareness and Innovation**

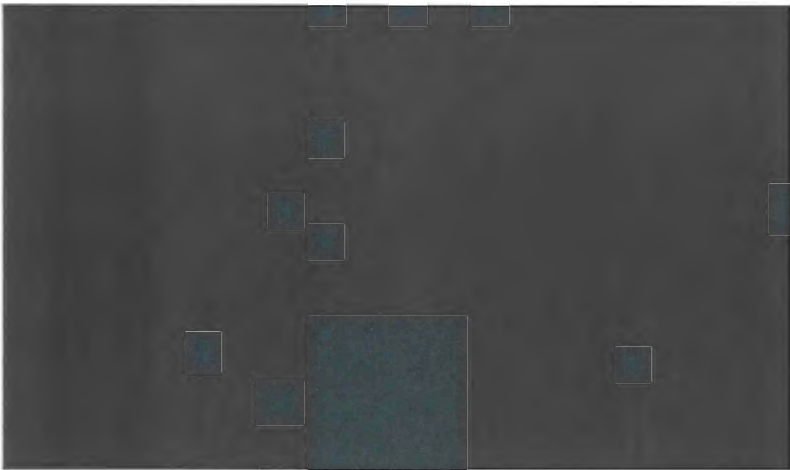
A continuous education program in resource efficiency procedures and practices will be maintained.

All employees will be encouraged to suggest and initiate projects that will save energy and optimize efficiencies in other resource areas (natural and financial).



**5. Undertake Regular Monitoring and Reporting**

Corporate energy consumption and extent to which the City has met its LEED building objectives will be monitored and reported on a regular basis using existing City reporting tools.



## Appendix B

City of Richmond Building  
Equipment, Monitoring, and  
Integration Requirements



# City of Richmond

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ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

## City of Richmond Building Equipment, Monitoring, and Integration Requirements

### 1. DEFINITIONS:

#### ASHRAE:

- The American Society of Heating, Refrigerating and Air-Conditioning (ASHRAE) is an international standards organization for numerous building related systems. It is the organization's mission to advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry.

#### BACNet:

- Is an ANSI/ASHRAE standard communication protocol for direct digital control networks and automated building mechanisms. It was designed to be used for applications such as heating, ventilation, and air-conditioning control, lighting, access control, and fire detection systems and their associated equipment.

#### Canadian 2011 NECB:

- The National Energy Code of Canada for Buildings (NECB) 2011 provides minimum requirements for the design and construction of energy-efficient buildings and covers the building envelope, systems and equipment for heating, ventilating and air-conditioning, service water heating, lighting, and the provision of electrical power systems and motors.

#### Energy Star®:

- Is an international standard for energy efficient consumer products. The Energy Star® name and symbol are administered and promoted in Canada by Natural Resources Canada. Energy Star® qualified products meet strict technical specifications for energy performance—tested and certified. Devices carrying the Energy Star® identification, such as computer products and peripherals, kitchen appliances, buildings and other products, generally use 20–30% less energy than required by federal standards.

#### Energy Star® Certified

- Refers to Energy Star® certified products and buildings that meet strict North American energy performance standards. Typically these products and buildings use 20–30% less energy and cause fewer greenhouse gas emissions than comparable products and buildings.

#### Energy Star® Portfolio Manager™:

- Is an online tool you can use to measure and track energy use, water consumption, and greenhouse gas emissions, and benchmark your building's performance against similar type buildings in Canada. Portfolio Manager™ uses a 1-100 Energy Star® performance scale: a score of 50 indicates average energy performance (50<sup>th</sup> percentile) while a score of 75 or more indicates top performance (75<sup>th</sup> percentile). A score of 75 or more in a particular year allows for the facility to be Energy Star® Certified. The initial Canadian version of the





# City of Richmond

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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

benchmarking tool in 2014 in Canada is solely applicable to K-12 school and commercial office facilities, other building types, such as community centres, will be added over time.

### HVAC:

- Heating Ventilation and Air Condition (HVAC) is the technology of indoor environmental comfort. HVAC system design is a subdiscipline of mechanical engineering, based on the principles of thermodynamics, fluid mechanics, and heat transfer.

### HVI:

- Home Ventilating Institute (HVI) is a nonprofit association offering a variety of services for manufacturers including, but not limited to, test procedures, certification and verification programs for airflow, sound and energy performance, and market support. Its mission is to serve consumers and members by advancing residential ventilation for healthy, energy-efficient homes.

### IESNA:

- The Illuminating Engineering Society of North America (IESNA) is a non-profit organization that publishes standards for the lighting industry. The mission of the organization is to advance knowledge and disseminate information for the improvement of the lighted environment to the benefit of society. The IESNA lighting standards are developed through technical committees that include hundreds of qualified individuals from the lighting and user communities.

### MERV:

- The minimum efficiency reporting value (MERV), is an ASHRAE measurement scale designed to rate the effectiveness of air filters. The scale is designed to represent the worst case performance of a filter when dealing with particles in the range of 0.3 to 10 micrometres. The MERV rating is from 1 to 16. Higher MERV ratings correspond to a greater percentage of particles captured on each pass, with a MERV 16 filter capturing more than 95% of particles over the full range.

### MSTP:

- Multiple Spanning Tree Protocol (MSTP) is an open source communication protocol language connecting terminal controllers to main direct digital control processing system, and is defined by the applicable networking standard IEEE 802.1Q.

### NRCan

- Natural Resources Canada (NRCan) works with other government departments, the provinces and territories, and other Canadian and international partners to address energy needs and potential while considering new policies, practises, and technologies.
- NRCan's expertise in the areas of energy efficiency, and energy sources and distribution allows us to provide useful energy resources and help Canadians benefit economically, environmentally, and socially from the secure and sustainable production and use of Canada's energy resources.

### SEER:



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City of Richmond Building Equipment, Monitoring, and Integration Requirements

- The Seasonal Energy Efficiency Ratio (SEER) rating of a unit is the cooling output during a typical cooling-season divided by the total electric energy input during the same period. The higher the unit's SEER rating the more energy efficient it is. In North America, the SEER is the ratio of cooling in British thermal unit (BTU) to the energy consumed in watt-hours.

### TCP/IP:

- Transmission Control Protocol/Internet Protocol (TCP/IP) is the principal communications protocol in the Internet protocol suite for relaying datagrams across network boundaries.

### Virtual Metering:

- Refers to the function of monitoring energy use of specific systems or pieces of equipment, based on demand and run time, through a building's direct digital control system and analog current transducers.



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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

### **2. OPTIMIZE MAINTENANCE AND ENERGY PERFORMANCE:**

This section is intended to provide a basis by which corporate facilities can be maintained and monitored to maximize efficient resource use, and reduced maintenance and operational costs.

- i. Operation Plan: Each facility should have an operational plan developed that at a minimum includes an occupancy schedule, equipment run-time schedule, design set points for HVAC equipment, and design lighting levels. This plan should be regularly reviewed and optimized as needed.
- ii. Measuring Energy Efficiency: Two options can be used to measure energy efficiency performance in comparison to typical buildings of similar type and function:
  - a. *Option 1:* Target an Energy Star® rating of 75% or higher, if eligible to receive an energy performance rating using the U.S. EPA's Energy Star® Portfolio Manager Tool (Canadian edition).
  - b. *Option 2:* If a building is not eligible to receive an energy performance rating using the U.S. EPA's Energy Star® Portfolio Manager Tool (Canadian edition), target increased energy efficiency of 20% as compared to typical buildings of similar type and function using national average energy data (National Resources Canada, Energy Star, et al).
- iii. Measurement and Verification. Track the energy and water use of specific systems, end uses (i.e. lighting, HVAC, plug loads, etc), and the building overall, to allow for continuous optimization. If possible, accomplish this requirement using the building automation system.
- iv. Benchmarking and Tracking Building Energy Consumption. Regularly compare energy performance data with previous years' energy performance data, to ensure operational energy efficiency is being maintained.
- v. Ongoing Commissioning. Complete re-commissioning activities on an approximately five year cycle to address changes in facility occupancy, use, maintenance and repair. Make periodic adjustments and review of building operating systems and procedures essential for optimal energy efficiency and service provision.
- vi. Building Automation System. Employ full building automation system for increased control and programming capability of mechanical system and lighting systems. It is required that City of Richmond pre-qualified building automation system supply and install contractors be used for new and replacement installations. Please see Section 5.0 for more details.
- vii. Local Thermostat: If applicable, use programmable thermostat that include energy efficient options including but not limited to; night set back, programmability for each day, optimal start, and zones separated by function.
- viii. Heat Recovery Ventilation Systems: Heat recovery ventilation systems used in corporate facilities need to be Home Ventilating Institute (HVI) certified with 85% efficiency





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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

- ix. Air or Ground Source Heat Pumps: Air or ground source heat pumps used in corporate facilities should be Energy Star® certified with a minimum target for energy efficiency of SEER 16.
- x. Gas Fired Rooftop unit: Gas fired rooftop units used in corporate facilities will target a minimum energy efficiency rating of SEER 13.
- xi. Heat Pump Rooftop units: Heat Pump rooftop units used in corporate facilities will target a minimum energy efficiency rating of SEER 16.
- xii. Roof top units: Economizer should be used for all rooftop units 5 tons or greater. All rooftop units, air handling units, Energy recovery ventilators (ERV), Heat recovery ventilators (HRV) and makeup air units, and shall use industry standard sized filters.
- xiii. Natural Gas Boiler: Natural gas boilers used in corporate facilities will target a minimum efficiency rating of 95%.
- xiv. Air Conditioning: Air conditioning equipment used in corporate facilities should be Energy Star® certified.
- xv. Air Compressor: All pneumatic air compressors should be equipped utilizing automatic condensate drain system. Air compressors for corporate truck maintenance activities, require a minimum of 200 PSI operating pressure.
- xvi. Domestic Hot Water: Domestic natural gas hot water boilers used in corporate facilities should be Energy Star® certified with a target minimum efficiency rating of 80%. Domestic electric hot water boilers used in corporate facilities should be Energy Star® certified with a target minimum efficiency rating of 90%.
- xvii. Appliances: Appliances (refrigerators, laundry machines, stoves, et al) used in corporate facilities should be Energy Star® certified.
- xviii. Ozone Depleting Compounds. Refrain from using Ozone Depleting Substances. Ozone Depleting Substances include CFCs, HCFCs, halons and others used in refrigerants, fire extinguishing systems and chemicals (sterilants and solvents).
- xix. Electric motor and pump: Use high efficiency motors and pumps, whenever possible. Targeting 25% better than Canadian 2011 NECB performance curves for motors and pumps.
- xx. Improved Lighting Efficiency: As budgets allow, high efficiency lighting technology and controls is preferred for all new installations, please refer to Section 6.0 Optimize Lighting System for further guidance on lighting guidelines.
- xxi. Lighting Levels: Refer to the IESNA standards for target lighting levels depending on building type and room function. In addition, please refer to Section 6.0 Optimize Lighting System for further guidance on lighting guidelines.
- xxii. On-Site Renewable Energy. Implement renewable energy generation project, when lifecycle costs are effective at facilities to further reduce conventional energy purchases. Refer to NRCan website.



# City of Richmond

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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

- xxiii. Equipment: All equipment, devices, controls needs be well supported by a knowledgeable local technical support staff, local sales representatives and local field service/factory trained representatives to assist in the selection, application and servicing of all equipment. All replacement parts and components need to be readily available (preferred less than 10 day delivery wait time) and cost effective.





# City of Richmond

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## ADMINISTRATIVE PROCEDURE

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City of Richmond Building Equipment, Monitoring, and Integration Requirements

### **3. OPTIMIZE WATER EFFICIENCY:**

This section is intended to provide a basis by which corporate facilities can reduce indoor potable water use, reducing the burden on local water supply and wastewater.

- i. **Water metering:** New corporate facilities will include water meters. Where feasible, these meters will be remotely monitored by the building's automation and monitoring system. Where possible, it is preferred that an additional water meter is installed to monitor the water consumption for outdoor activities, and that this meter also be monitored through the building's automation system.
- ii. **Indoor plumbing fixture and fitting efficiency:** The following table outlines the targeted water fixture efficiency flush/flow rates for civic facilities for both new construction and replacement projects, and the maximum flush/flow rates as per current BC building codes. Where feasible, it is preferred that purchased fixture products water usage is on the lower end of the range to maximize water conservation.

Table 1 – Targeted Fixture Flush/Flow rates for the  
City of Richmond<sup>1</sup>

Fixture Type	Flow Rate
	(Litres per minute [LPM] or Litres per flush [LPF])
Dual-flush toilets	High flush = <b>6.0 LPF</b>
	Low flush = <b>3.4 to 4.1 LPF</b>
Urinals	<b>1.9 LPF</b>
Lavatory faucet	<b>1.9 to 8.3 LPM</b>
Kitchen faucet	<b>5.7 to 8.3 LPM</b>
Showers	<b>5.7 to 9.3 LPM</b>

- iii. **Water-Efficient Products:** Where applicable reduce the use of potable water through the use of fixtures with automatic controls. In addition, for water using appliances it is required that Energy Star® certified products are used where ever possible.
- iv. **Water Harvesting:** Whenever possible and practicable re-use storm water for landscaping and irrigation.

<sup>1</sup> These values are derived from LEED® for existing buildings water efficiency criteria, from the UBC LEED® implementation guide – 2014, and from the BC Water Conservation Amendments – Ministerial Order M105.  
4128342



# City of Richmond

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## ADMINISTRATIVE PROCEDURE

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City of Richmond Building Equipment, Monitoring, and Integration Requirements

### **4. ENHANCE INDOOR ENVIRONMENTAL QUALITY:**

The intent of this section is to provide a basis for optimizing indoor environments to promote occupant comfort, health, and enjoyment of the space.

- i. Minimum IAQ Performance. Meet or exceed most current ASHRAE Standard 62.1, Ventilation for Acceptable Indoor Air Quality.
- ii. Ventilation and Thermal Comfort. Meet or exceed most current ASHRAE Standard 55, Thermal Environmental Conditions for Human Occupancy.
- iii. Filtration Media. Utilize Minimum Efficiency Reporting Value (MERV) of at least 11 for equipment that requires filtration material. Where applicable, GeoPleat or Mini-Pleat filter with MERV 13 must be used. Filter media used in all HVAC equipment needs to be of standard sizing.
- iv. Day lighting and lighting Controls. Automated lighting controls (occupancy/vacancy sensors with manual-off capability) are provided for appropriate spaces including restrooms, conference and meeting rooms, employee lunch room, training rooms and offices. Where ever possible and feasible there should be no on schedule for DDC controlled lighting and occupancy sensors should be used to solely recognize inactivity, with switches used to turn lights on.
- v. Low-Emitting Materials. Use low emitting materials for building modifications, maintenance, and cleaning. In particular, specify the following materials and products to have low pollutant emissions: composite wood products, adhesives, sealants, interior paints and finishes, solvents, carpet systems, janitorial supplies and furnishings.
- vi. Environmental Tobacco Smoke Control. Prohibit smoking within and in the vicinity of the building as per the City of Richmond Public Health Protection Bylaw, Worker Compensation Board (WCB) Occupational Health and Safety Regulations, and Vancouver Costal Health Authority regulations.



# City of Richmond

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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

### **5. INTEGRATE BUILDING AUTOMATION SYSTEMS:**

The intent of this section is to provide a basis for optimizing the City's building control and energy monitoring capacity to maximize maintenance and operational efficiency, and efficient building resource use. In addition, this section will be used to standardize the City's DDC systems and graphic interface in new and existing buildings.

- i. Prequalified Supply and Installation Contractors: One of the City's prequalified Supply and Installation Contractors for Direct Digital Controls (DDC) Systems must be used for the mechanical and lighting control of City owned and/or operated space.
- ii. Lighting Control: Lighting control is to be tied into separate DDC controllers (unless exempted by the City where in they may be tied in to HVAC DDC controllers), which will be provided by one of the prequalified contractors, with the location and number to be specified by the Electrical Design Consultant as part of the electrical design tender package.
- iii. DDC Graphics and Monitoring: Graphics for the operator interface must be prepared to meet City requirements, which highlight energy efficiency and comfort. Graphic functionality for energy use monitoring will include, but is not limited to, energy use breakdown between electricity and natural gas, further segregation of each fuel type by each functional end use (e.g. ventilation, cooling, heating, pumping, lighting, plug loads, etc. – note that this requires tagging of end use into multiple categories), and by specific systems and equipment. The operator interface for City will run on the City's web-servers. This work must be coordinated through the City's IT group to arrange loading of graphics, databases, and for security requirements.
- iv. Energy Data: All energy data collected will be stored on the City's Sequel Server. The City will provide connection credentials so that the supplied system can store the data. ~~The system must also be capable of delivering this data using BACnet over Ethernet, or BACnet of TCP/IP to third party data repositories capable of accepting BACnet data.~~
- v. DDC Access and Datapoints: The DDC system will be remotely accessed by the City's web based operator interface. Data will be collected at intervals not to exceed 15 seconds for all points during the commissioning process to ensure system stability and tuning. These data points must include measurable variable, manipulated variable, and setpoint variable for each loop, as well as other variable measurements and outputs. VPN network connectivity will be provided by the Supply and Installation Contractor for secure access of sufficient bandwidth to support this.
- vi. Energy Use Monitoring: Any energy use monitoring shall be done through sub-meters that are BACnet enabled, or through virtual metering.
- vii. Water Metering and Monitoring: A water meter will provide instantaneous and aggregated water consumption information of each mechanical makeup water system such as cooling tower, chilled water system, heating water system, heat pump system, Geo/ground loop and Solar system. The information will be delivered using BACnet over MSTP, BACnet over Ethernet, or BACnet over TCP/IP.



# City of Richmond

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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

- viii. Hydronic Monitoring: All hydronic loops that introduce or extract energy flows to the subject premises will be monitored. These will include measurement of flow and differential temperature. The calculation of energy and power will be performed at the meter. The flow, inlet and outlet temperatures will be transmitted along with the flow information to the DDC system. The information will be delivered using BACNet over MSTP, BACNet over Ethernet, or BACNet over TCP/IP.
- ix. Points List Review: Once the mechanical and lighting DDC points list has been initially defined, the City requests that they are provided to the City along with the mechanical and electrical specifications, to allow for the timely opportunity to review and comment before finalization.
- x. Segregated Electrical Panels: Lighting, mechanical, and plug loads need to be segregated on separate electrical panels for energy monitoring purposes.
- xi. Electrical Directory Review: Once the preliminary electrical directories for each electrical panel have been defined, the City requests that they are provided to the City, to allow for a timely opportunity to review and comment before finalization.
- xii. Inspections: City personnel or the City's DDC consultant will conduct its own inspections of the system design, installation and functionality, and will prepare its own deficiency lists during the construction process and final inspection. The deficiency lists will need to be corrected prior to City sign off on completion.





# City of Richmond

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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

### **6. OPTIMIZE BUILDING LIGHTING SYSTEMS:**

Corporate lighting guidelines and requirements are intended to provide the basis for optimizing building interior and exterior lighting controls and associated electrical use, and to standardize the type of lighting used depending on its function.

#### **General Guidelines**

- i. All interior building lighting shall be supplied from 120 volt power systems.
- ii. Lighting design shall incorporate the principles of sustainability and its products and systems shall be energy conserving, long life, have a low cost of ownership and be accessible for service and maintenance.
- iii. For interior building lighting solutions, Light Emitting Diode (LED) lighting is preferred.
- iv. For exterior lighting applications (wall mounted fixtures, low mast light fixtures in parking lot), LED lighting is preferred.
- v. Daylight harvesting opportunities shall be implemented in areas where natural daylight is available.
- vi. Uniformity and low brightness contrast shall be achieved by judicious use of luminaires and their locations.
- vii. All lighting shall be designed to suit the task and task location rather than the general lighting. The most current ASHRAE 90.1, IESNA and WorkSafeBC standards shall be taken into consideration and photometric calculations submitted where requested.
- viii. The designer shall take into account 4 to 5 year fluorescent lighting group relamping program, if applicable. All maintenance factors shall be maximized in due respect to the anticipated clean environment in the facilities.
- ix. When mounting luminaires in high ceiling spaces, consideration must be given to ensure access for maintenance activities. Indoor lighting shall be accessible either from ladders on flat surfaces such as floors or stair landings or from powered lifts with a maximum lift of 6.1 m. Building access, floor construction, and elevators shall permit entry and use of existing standard lift equipment for proper and safe maintenance. If special equipment is required for lighting maintenance, then the consultant shall, prior to tender, prepare and submit a Lighting System Maintainability Plan to the City of Richmond for review and approval and it shall contain documentation describing the special equipment, access arrangements for special equipment, and a maintenance schedule and spare parts list.
- x. The lighting design proposed for all public areas such as corridors and stairways shall ensure the life safety of building occupants at all times and shall also minimize lighting energy required to zero, if possible, when the building is un-occupied. (i.e. lights off until occupancy has been detected or an emergency has occurred). A portion of the lighting fixtures shall be wired to an emergency power panel if an emergency generator is available. Lighting circuits fed from emergency power panels shall be arranged so that they may be switched or dimmed.





# City of Richmond

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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

- xi. In general, where feasible and economical LED lighting is preferred for all interior spaces. It is preferred for interior LED luminaires, such as troffers, that the driver be mounted in an easily accessible location i.e. not behind the luminaire, so as to reduce maintenance time if replacement is needed.

If there is not a strong business case for interior LED lighting, then linear fluorescent lighting is preferred. Linear fluorescent luminaires shall be equipped with 120 volt program start electronic ballasts and T8-25 watt lamps or with T8-32 watt lamps in low temperature locations. Bent 'U' tube fluorescent luminaires are not acceptable. Lighting solution proposals using T5 linear fluorescent systems are not acceptable. When required in high ceiling areas, T5 High Output (HO) solutions are acceptable. Suspended luminaires shall be direct/indirect. Full indirect suspended luminaires are not acceptable.

- xii. Non-linear specialty fixtures such as pot lights, cylinders, wall sconces, wall washers and other decorative lighting shall be minimized and shall not exceed 10% of the total quantity of fixtures in the building project. When used, it is preferred that these luminaires not be enclosed and incorporate vertically aligned medium base screw-in LED lamps.
- xiii. HID fixtures such as Metal Halide (MH) or High Pressure Sodium (HPS) are not acceptable.

### Lamp and Ballast Guidelines

- i. Use of LED lamps is encouraged and as substitutes for traditional applications involving CFL, MR-16, PAR 20, PAR 30, BR30, PAR 38 lamps, and linear fluorescent lamps. LED lamps shall be Energy Star rated.
- ii. Lamps shall be the longest life available. Preference will be given to lamps and lighting containing the lowest amount of mercury and other toxic components.
- iii. If applicable, it is preferred that T8 fluorescent lamps be extra-long life or extended life lamps rated for 40,000 hours operation with 3 hours per start
- iv. T8 - 25 watt lamps with 3500° K color temperature shall be the typical lamp used for linear fluorescent lighting.
- v. T8 – 32 watt High Lumen fluorescent or LED lamps shall be the typical lamp used in low temperature locations.
- vi. T5 HO fluorescent lamps shall be extra-long life or extended life lamps.
- vii. Where T5 HO lamps are used in enclosed fixtures, lamps rated for higher temperatures shall be used.
- viii. All fluorescent lighting ballasts shall operate from 120 volt input voltage and shall be program start electronic type with standard ballast factor. Ballasts shall have parallel lamp operation. Acceptable manufacturers are.
- ix. Ballast output frequency shall be greater than 42 kHz.



# City of Richmond

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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

- x. Dimming ballasts shall be program start with either line voltage or 0-10 volt control.
- xi. Ballasts shall have lamp end-of-life detection and shutdown circuitry that meets the most current ANSI standards.

### Energy Allowances

- i. All interior lighting shall not exceed the energy density limits as defined in the most current ASHRAE 90.1 lighting power densities standard, using either the whole building area method or the space by space evaluation method. For the whole building area evaluation method, the standard is currently 0.90 watt per square foot.
- ii. All exterior building lighting shall not exceed the lighting power density limits as defined in the most current ASHRAE 90.1 standard.

### Lighting Controls

- i. All interior lighting (including stairwells) shall have controls such that when the lighting is not needed, it will automatically be either turned off or dimmed to a low output condition, and shall conform to the most current relevant ASHRAE 90.1 standard.
- ii. All lighting control systems shall be fully tested and commissioned and a Lighting System Commissioning Report shall be prepared and certified by a responsible professional as per the most current relevant ASHRAE 90.1 standard.
- iii. As per the DDC integration requirements, where low voltage relay controls are provided for new building projects they shall include a BACnet compatible DDC interface device to allow for all scheduling functions related for the lighting systems to be controlled by the buildings DDC system.
- iv. All exterior building mounted lighting and exterior building area lighting shall be controlled by photocell or astronomical time clock. Lighting that may be powered from the building electrical system shall be controlled by the DDC.
- v. Occupancy sensors shall be dual technology type with both Passive Infrared (PIR) and acoustic/ultra-sonic sensors, and may be either line voltage or low voltage types. Low voltage occupancy sensors with 1 or 2 poles and local power packs are preferred. Slave power packs are not acceptable.
- vi. Offices shall have light control switches at all entrances, exits and vestibules. These interior spaces shall also have occupancy sensors integrated with the control switch or mounted at a high level in a corner and arranged for semi-automatic operation such that manual operation of the local switches is required to energize the lighting while occupancy sensors and local switches will de-energize the lighting. Large spaces may need more than one sensor.
- vii. Corridors, lobbies and similar public spaces shall have occupancy sensors, mounted at high levels, and arranged for full automatic operation.



# City of Richmond

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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

- viii. Occupancy sensors are not permitted in interior spaces that may be or may become hazardous, such as electrical and mechanical service rooms.
- ix. Where feasible, all offices, corridors, stairways and other public spaces shall incorporate daylight harvesting via use of interior mounted photocells and arranged to take advantage of free illumination while maintaining acceptable minimum illumination levels within the space.
- x. LED dimmers shall be compatible with the LED lamps used and their drivers.

### Exit Signage

- i. Exit lighting shall be provided in accordance with the BC Building Code and the Canadian Electrical Code as amended by BC Electrical Safety regulations.
- ii. All exit signs shall be illuminated by LED light sources and shall have an emergency power NiCad battery.
- iii. Exit signs shall be powered at 120 volts from emergency power panels, if available.
- iv. The "Running Man" style EXIT sign that conforms to the CAN/ULC-S572 standard is preferred.

### Emergency Lighting

- i. Emergency lighting must be installed in accordance with the latest revision of the B.C. Building Code and City of Richmond's Bylaw No. 8306 (Fire Protection and Life Safety).
- ii. Provide standby emergency generator if motor loads require emergency power.
- iii. All battery pack lighting, remote heads and exit lights shall be LED type and manufactured by 'Ready-Lite' or an approved equal. 'Ready-Lite' is available from local suppliers and shall be stocked by City of Richmond. It is important that City of Richmond have stock in standard sizes so that repairs can be done quickly and effectively as required for the life safety system.
- iv. The battery packs shall be long life type and either 12 volts DC or 24 volts DC and shall be in accordance with CSA C22.2 No. 141.
- v. All battery packs shall be mounted on the wall using anchors capable of supporting the weight, or mounted on an appropriately sized shelf, supplied from 'Ready-Lite' or an approved equal.
- vi. Generator and Electrical rooms shall be provided with an emergency battery lighting pack.
- vii. If a 12 volt DC battery lighting pack is used for emergency lighting power, it shall be rated for 36 watt to 360 watt and should not be self-testing.



# City of Richmond

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## ADMINISTRATIVE PROCEDURE

File Ref:

City of Richmond Building Equipment, Monitoring, and Integration Requirements

- viii. If a 24 volt DC battery lighting pack is used for emergency lighting power, it shall be either a 360 watt unit or a 720 watt unit, and should not be self-testing.
- ix. For both 12 volt DC and 24 volt DC systems, the heads and remote heads shall be 9 watts each.
- x. Battery packs that are fed from a 120 volt AC. source shall have a 120 volt duplex receptacle mounted adjacent so that the battery pack can be plugged into the receptacle, to facilitate testing and replacement when needed.



## Appendix C

### City of Richmond Building Lighting Guidelines

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**1.0 GENERAL**

**1.1 Related City of Richmond Guidelines**

- .1 High Performance Building Policy
- .2 City of Richmond Sustainable Operation and Maintenance Requirements

**1.2 Coordination Requirements**

- .1 City of Richmond Facilities
- .2 City of Richmond Project Development
- .3 City of Richmond Information Technology

**2.0 MATERIAL AND DESIGN REQUIREMENTS**

**2.1 General**

- .1 All interior building lighting shall be supplied from 120 volt power systems.
- .2 Lighting design shall incorporate the principles of sustainability and its products and systems shall be energy conserving, long life, have a low cost of ownership and be accessible for service and maintenance.
- .3 For interior building lighting solutions, preference shall be given to Light Emitting Diode (LED) and linear fluorescent light sources.
- .4 For exterior lighting applications (wall mounted fixtures, low mast light fixtures in parking lot), preference shall be given to LED light sources. Fluorescent light sources may be used selectively.
- .5 Daylight harvesting opportunities shall be implemented in areas where natural daylight is available.
- .6 Uniformity and low brightness contrast shall be achieved by judicious use of luminaires and *their locations*.
- .7 All lighting shall be designed to suit the task and task location rather than the general lighting. ASHRAE 90.1-2010, IESNA and WorkSafeBC guidelines shall be taken into consideration and photometric calculations submitted where requested.
- .8 The designer shall take into account 4 to 5 year fluorescent lighting group relamping program. All maintenance factors shall be maximized because of the expected clean environment in the facilities.
- .9 When mounting luminaires in high ceiling spaces, consideration must be given to ensure access for maintenance such as lamp and ballast changing. Indoor lighting shall be accessible either from ladders on flat surfaces such as floors or stair landings or from powered lifts with a maximum lift of 6.1 m. Building access, floor construction, and elevators shall permit entry and use of existing standard lift equipment for proper and safe maintenance. If special equipment is required for lighting maintenance, then the consultant shall, prior to tender, prepare and submit a Lighting System Maintainability Plan to the City of Richmond for review and approval and it shall contain documentation describing the special equipment, access arrangements for special equipment, and a maintenance schedule and spare parts list.

- .10 The lighting design proposed for all public areas such as corridors and stairways shall ensure the life safety of building occupants at all times and shall also minimize lighting energy required to zero, if possible, when the building is un-occupied. (I.e. lights off until occupancy has been detected or an emergency has occurred). A portion of the lighting fixtures shall be wired to an emergency power panel if an emergency generator is available. Lighting circuits fed from emergency power panels shall be arranged so that they may be switched or dimmed.
- .11 In general, where feasible and economical LED lighting is preferred for interior spaces. It is preferred for interior LED luminaires, such as troffers, that the driver be mounted in an easily accessible location i.e. not behind the luminaire, so as to reduce maintenance time if replacement is needed.

If there is not a strong business case for interior LED lighting, then linear fluorescent lighting is preferred. Linear fluorescent luminaires shall be equipped with 120 volt program start electronic ballasts and T8-25 watt lamps or with T8-32 watt lamps in low temperature locations. Bent 'U' tube fluorescent luminaires are not acceptable. Lighting solution proposals using T5 linear fluorescent systems are not acceptable. When required in high ceiling areas, T5 High Output (HO) solutions are acceptable. Suspended luminaires shall be direct/indirect. Full indirect suspended luminaires are not acceptable.
- .12 Non-linear specialty fixtures such as pot lights, cylinders, wall sconces, wall washers and other decorative lighting shall be minimized and shall not exceed 10% of the total quantity of fixtures in the building project. When used, it is preferred that these luminaires not be enclosed and incorporate vertically aligned medium base screw-in LED lamps.
- .13 HID fixtures such as Metal Halide (MH) or High Pressure Sodium (HPS) are not acceptable.

## 2.2 Lamps

- .1 Lamps shall be the longest life available. Preference will be given to fluorescent lamps containing the lowest amount of mercury.
- .2 It is preferred that T8 fluorescent lamps be Extra Long Life or Extended Life lamps rated for 40,000 hours operation with 3 hours per start.

Preferred manufacturers are: General Electric, Osram Sylvania, or Philips
- .3 T8 - 25 watt lamps with 3500° K color temperature shall be the typical lamp used for linear fluorescent lighting.
- .4 T8 – 32 watt High Lumen fluorescent or LED lamps shall be the typical lamp used in low temperature locations.
- .5 T5 HO fluorescent lamps shall be Extra Long Life or Extended Life lamps.

Preferred manufacturers are: General Electric, Osram Sylvania, or Philips.
- .6 Where T5 HO lamps are used in enclosed fixtures, lamps rated for higher temperatures shall be used.

Preferred manufacturers are Philips Extreme Temperature series or Sylvania Constant series.

- .7 Use of LED lamps is encouraged and as substitutes for traditional applications involving CFL, MR-16, PAR 20, PAR 30, BR30, PAR 38 lamps, and linear fluorescent lamps when economical. LED lamps shall be Energy Star rated.

### 2.3 Ballasts

- .1 All fluorescent lighting ballasts shall operate from 120 volt input voltage and shall be program start electronic type with standard ballast factor. Ballasts shall have parallel lamp operation. Acceptable manufacturers are: General Electric, Osram Sylvania, Philips/Advance or Universal.
- .2 Ballast output frequency shall be greater than 42 kHz.
- .3 Dimming ballasts shall be program start with either line voltage or 0-10 volt control.
- .4 Ballasts shall have lamp end-of-life detection and shutdown circuitry that meets ANSI standards.

### 2.4 Energy Allowances

- .1 All interior lighting shall not exceed the energy density limits as defined in ASHRAE 90.1-2010 section 9.5 (Building Area Method) or 9.6 (Space by Space Method).  
  
For the Building Area Method, the energy density limit is 0.90 watt per square foot.
- .2 All exterior building lighting shall not exceed the energy density limits as defined in ASHRAE 90.1-2010 section 9.4.3.

### 2.5 Lighting Controls

- .1 All interior lighting (including stairwells) shall have controls such that when the lighting is not needed, it will automatically be either turned off or dimmed to a low output condition, and shall conform to the new ASHRAE 90.1-2010 standard (sections 9.4.1, 9.4.2)
- .2 All lighting control systems shall be fully tested and commissioned and a Lighting System Commissioning Report shall be prepared and certified by a responsible professional as per ASHRAE 90.1-2010 standard (section 9.4.4)
- .3 Where low voltage relay controls are provided for new building projects they shall include a BACnet compatible Building Management System (BMS) interface device which shall be wired to the local BMS control panel. This will ensure that all scheduling functions related to lighting systems will be under the control of the BMS system.
- .4 All exterior building mounted lighting and exterior building area lighting shall be controlled by photocell or astronomical time clock. Lighting which may be powered from the building project electrical system shall be under the control of the BMS scheduling system.
- .5 Occupancy sensors shall be dual technology type with both Passive Infrared (PIR) and acoustic/ultra-sonic sensors, and may be either line voltage or low voltage types. Low voltage occupancy sensors with 1 or 2 poles and local power packs are preferred. Slave power packs are not acceptable.

Preferred manufacturers are Watt stopper, Sensor Switch, Leviton, or Hubbell

- .6 Offices shall have light control switches at all entrances, exits and vestibules. These interior spaces shall also have occupancy sensors integrated with the control switch or mounted at a high level in a corner and arranged for semi-automatic operation such that manual operation of the local switches is required to energize the lighting while occupancy sensors and local switches will de-energize the lighting. Large spaces may need more than one sensor.
- .7 Corridors, lobbies and similar public spaces shall have occupancy sensors, mounted at high levels, and arranged for full automatic operation.
- .8 Occupancy sensors are not permitted in interior spaces that may be or may become hazardous, such as electrical and mechanical service rooms.
- .9 All, offices, corridors, stairways and other public spaces shall incorporate daylight harvesting via use of interior mounted photocells and arranged to take advantage of free illumination while maintaining acceptable minimum illumination levels within the space.
- .10 LED dimmers shall be compatible with the LED lamps used and their drivers.

## **2.6 Exit Signage**

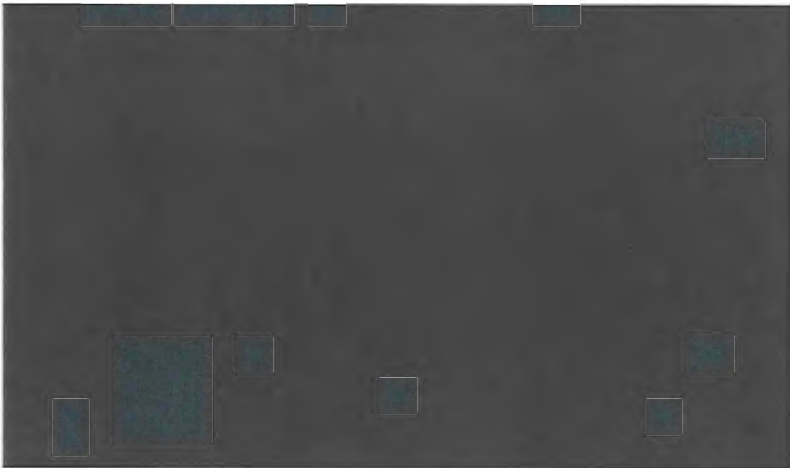
- .1 Exit lighting shall be provided in accordance with the BC Building Code and the Canadian Electrical Code as amended by BC Electrical Safety regulations.
- .2 All exit signs shall be illuminated by LED light sources and shall have an emergency power NiCad battery.
- .3 Exit signs shall be powered at 120 volts from emergency power panels, if available.
- .4 The "Running Man" style EXIT sign which conforms to the CAN/ULC-S572 standard shall be used.

## **2.7 Emergency Lighting**

- .1 Emergency lighting must be installed in accordance with the latest revision of the B.C. Building Code and City of Richmond's Bylaw No. 8306 (Fire Protection and Life Safety).
- .2 Provide standby emergency generator if motor loads require emergency power.
- .3 All battery pack lighting, remote heads and exit lights shall be LED type and manufactured by 'Ready-Lite' or approved equal. 'Ready-Lite' is available from local suppliers and shall be stocked by City of Richmond. It is important that City of Richmond have stock in standard sizes so that repairs can be done quickly and effectively as required for the life safety system.
- .4 The battery packs shall be long life type and either 12 volts DC or 24 volts DC and shall be in accordance with CSA C22.2 No. 141.
- .5 All battery packs shall be mounted on the wall using anchors capable of supporting the weight, or mounted on an appropriately sized shelf, supplied from 'Ready-Lite' or approved equal.

- .6 Generator and Electrical rooms shall be provided with an emergency battery lighting pack.
- .7 If 12 volt DC is used they shall be rated for 36 watt to 360 watt and should not be self testing as clients do not understand the self test and call in a trouble call unnecessarily.
- .8 If 24 volts DC are used they shall be either a 360 watt unit or a 720 watt unit only. They shall also be a basic model without meters or self testing.
- .9 For both 12 volt DC and 24 volt DC systems, the heads and remote heads shall be 9 watts each.
- .10 Battery packs that are fed from a 120 volt AC. source shall have a 120 volt duplex receptacle mounted adjacent so that the battery pack can be plugged into the receptacle. This is to facilitate testing and replacement when needed.





## Appendix D

City of Richmond Direct Digital  
Control (for Buildings) and Energy  
Monitoring Guidelines



# City of Richmond

Page 1 of 2

City of Richmond Direct Digital Control and Energy Monitoring Guideline – Non City managed new construction

## **City of Richmond Direct Digital Control (for Buildings) and Energy Monitoring Guidelines – Non City managed new construction for City owned spaces.**

### **1. REQUIREMENTS:**

- i. One of the City's two prequalified Supply and Installation Contractors for Direct Digital Controls (DDC) Systems must be used for the mechanical and lighting control of City owned and/or operated space – currently either ESC Automation or Control Solutions.
- ii. Lighting control is to be tied into separate DDC controllers, which will be provided by one of the prequalified contractors, with the location and number to be specified by the Electrical Design Consultant as part of the electrical design tender package.
- iii. Graphics for the operator interface must be prepared to meet City requirements, which highlight energy efficiency and comfort. Graphic functionality for energy use monitoring will include, but is not limited to, energy use breakdown between electricity and natural gas, further segregation of each fuel type into energy use of separate end uses, to further segregation of energy use of specific systems and equipment. The operator interface for City will run on the City's web-servers.
- iv. The DDC system will be remotely accessed by the City's web based operator interface. Data will be collected at a maximum of 15 second intervals for all points during the commissioning process to ensure system stability and tuning. VPN network connectivity will be provided by the Supply and Installation Contractor for secure access of sufficient bandwidth to support this.
- v. Any energy use monitoring and billing of a City space, which is located within a building that is not City owned and managed, will be done through sub-meters that are BACnet enabled and not on a pro-rated basis.
- vi. A water meter that is BACnet enabled is required to monitor use of any mechanical makeup water system such as cooling tower, chill water system, heating water system, heat pump system, Geo/ground loop and Solar system.
- vii. A BTU meter that is BACnet enabled is required for the heat pump loop to monitor the energy usage of City space.
- viii. Once the mechanical and lighting DDC points list for the space has been initially defined, the City requests that they are provided to the City along with the mechanical and electrical specifications, to allow for the timely opportunity to review and comment before finalization.
- ix. Lighting, mechanical, and plug loads need to be segregated on separate electrical panels for energy monitoring purposes.



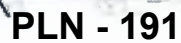
# City of Richmond

Page 2 of 2

City of Richmond Direct Digital Control and Energy Monitoring Guideline – Non City managed new construction

- x. Once the preliminary electrical directories for each electrical panel have been defined, the City requests that they are provided to the City, to allow for a timely opportunity to review and comment before finalization.
- xi. City personnel or the City's DDC consultant will conduct its own inspections of the system design, installation and functionality, and will prepare its own deficiency lists during the construction process and final inspection. The deficiency lists will need to be corrected prior to City sign off on completion.

Community Centre Conceptual Plan (REDMS #5166710)



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



**W. T. LEUNG**  
ARCHITECTS  
INC.

1000 W. 1st Street, Suite 100  
San Francisco, CA 94103  
Phone: 415.774.1111  
Fax: 415.774.1112



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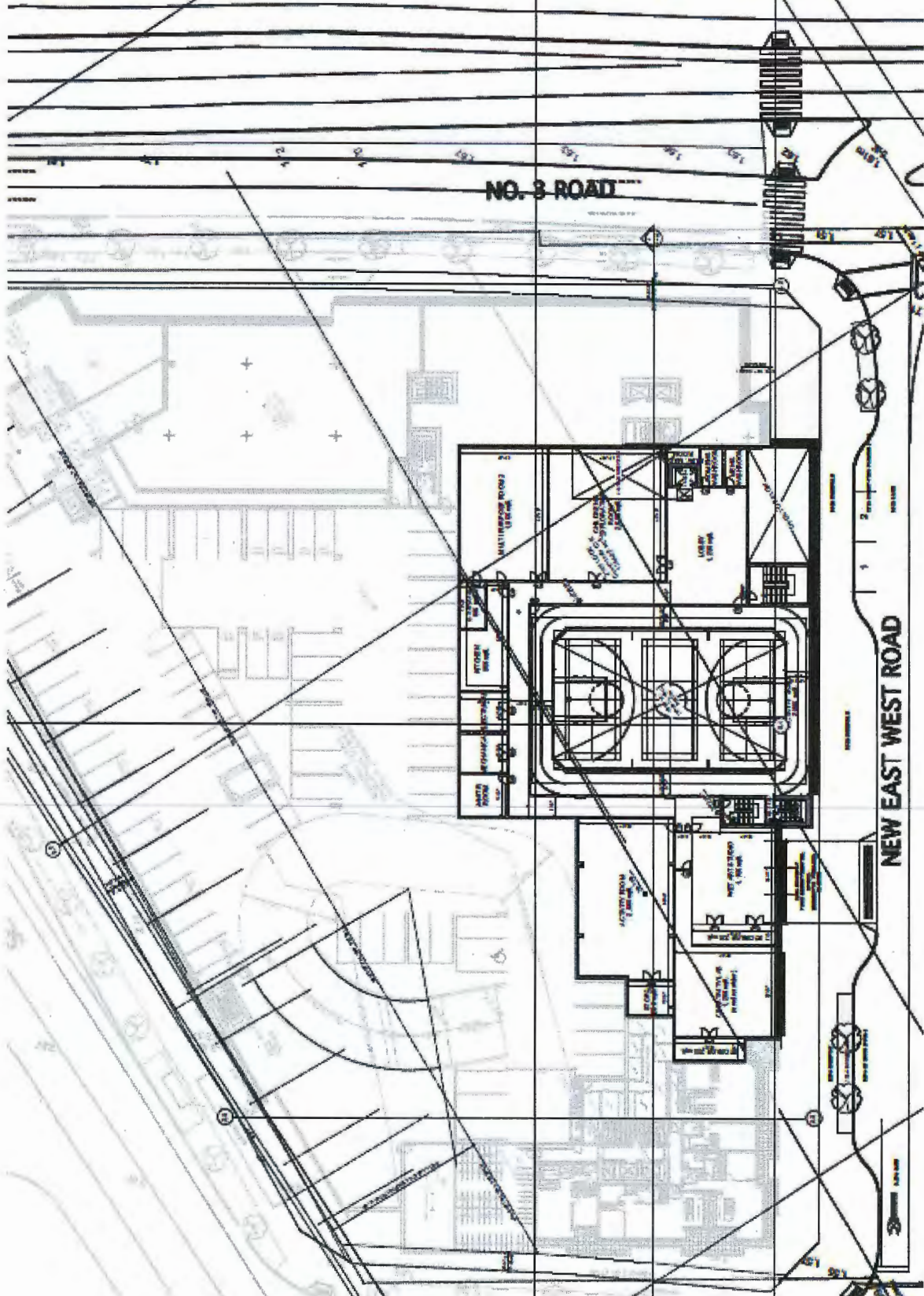
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Yuanheng Seaside  
Yuanheng Seaside  
Development  
2000 W. 1st Street, Suite 100, San Francisco, CA

2nd Fl. Community Ctr.  
Plan 1/32"

DATE: JAN 12, 2012  
BY: WTLA  
CHECKED: WTLA  
DATE: JAN 12, 2012

SCALE: 1/32" = 1'-0"  
SHEET NO. 1 OF 1  
SHEET TITLE: 2nd Fl. Community Ctr.  
SHEET NO. 1 OF 1  
SHEET TITLE: 2nd Fl. Community Ctr.

CC-A-202



PLN - 192

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



John J. Lee 3173 West Broadway  
 Vancouver BC V6H 2C6 (404) 611-1111  
 Canada 735-7833  
 Telephone 604-676-7771  
 Fax 604-676-7071

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**Development**  
**Advanced Business**  
**Yankee Business**

2000

Section B - B  
Plan 1/32"

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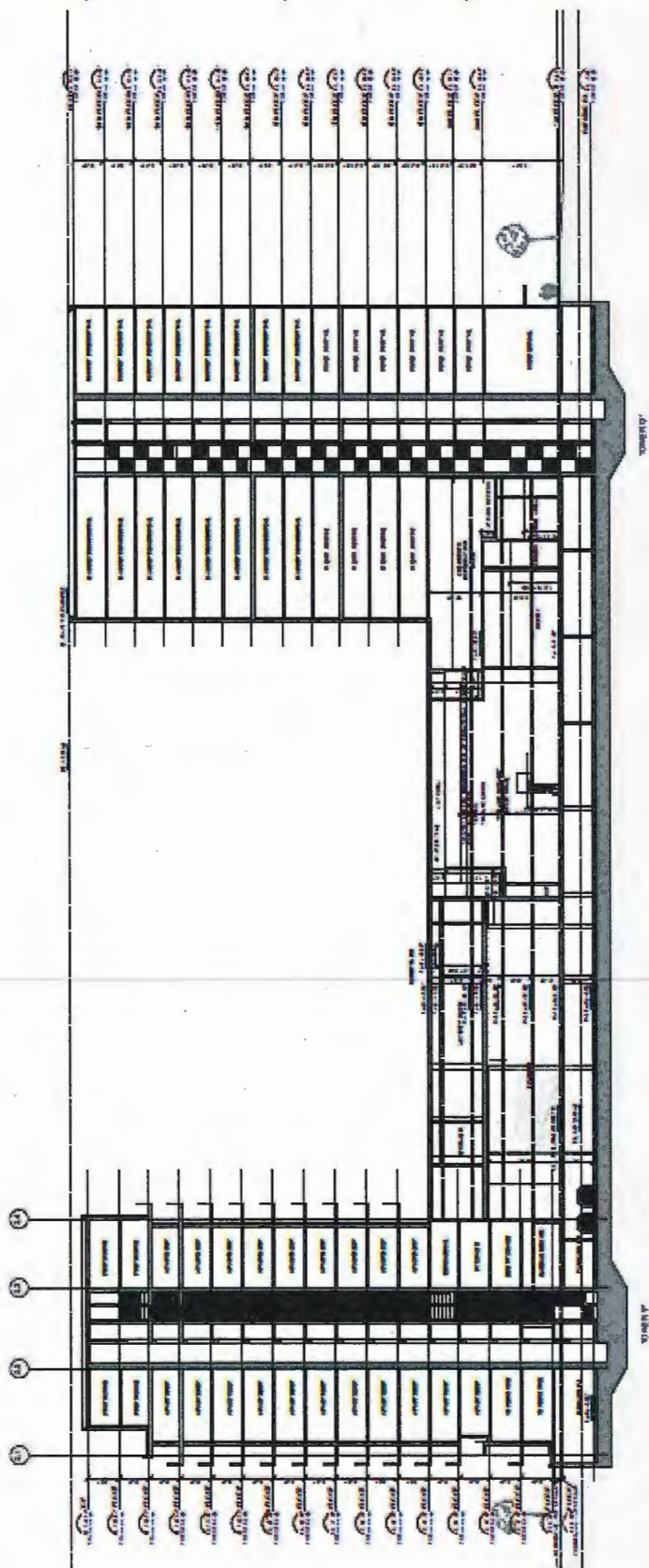
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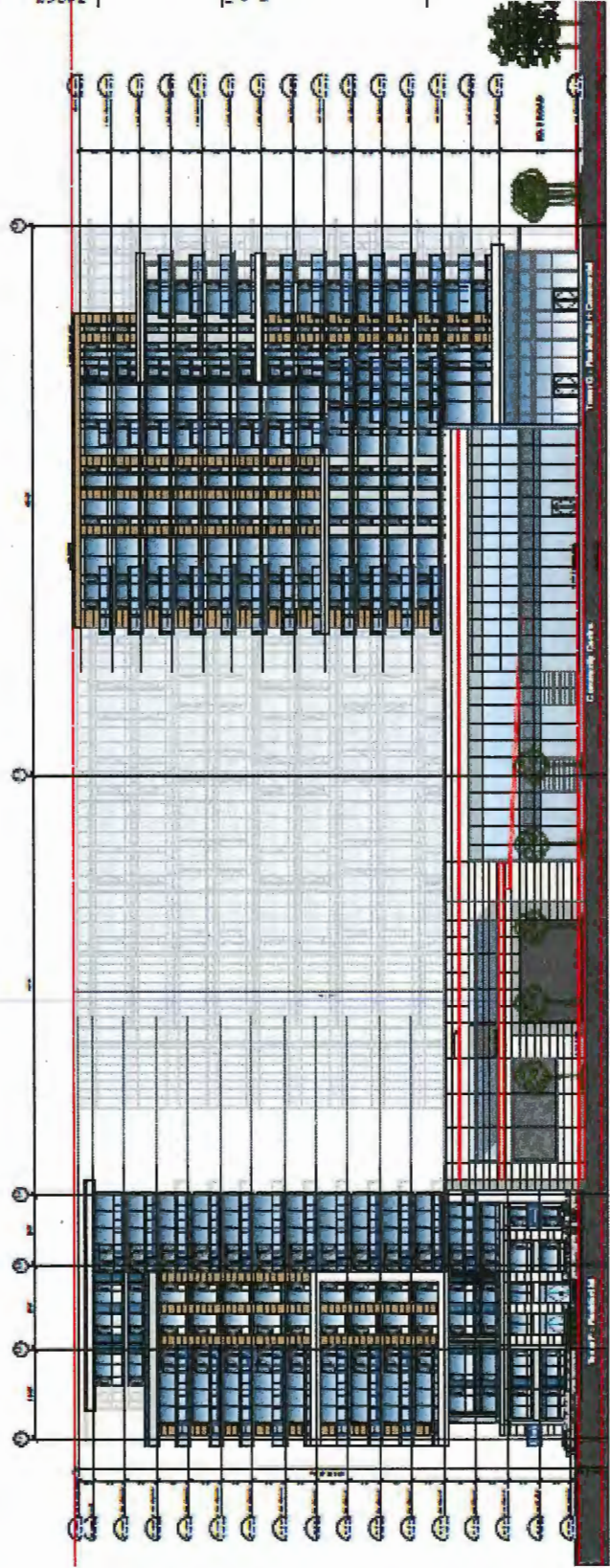
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1. *Journal of the American Medical Association*, 2000; 284: 2689-2694.

CC - A.204

**PLN - 193**

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## YuanHeng Riverfront Park Conceptual Plan

### Terms of Reference

#### 1. Intent

- a. The area of the waterfront park must be at least 4,276.6 m<sup>2</sup> (1.06 ac), including:
  - i. 8051 River Road;
  - ii. City-owned River Road right-of-way fronting the east side of 8051 River Road; and
  - iii. Unopened City-owned road right-of-way along the south side of 8051 River Road.
- b. The park will provide access to the waterfront to pedestrians and cyclists for circulation and recreational purposes.
- c. The park landscape will make a positive contribution to the Fraser River foreshore ecosystem.
- d. All park elements will be universally accessible.

#### 2. Park Program

The park area will consist of the existing lot at 8051 River Road, which includes the existing dike, the area of existing River Rd. which will be developed for park purposes, and the unopened road end at the end of Capstan Way. In addition, piers and associated amenities are proposed to project into the river beyond the west lot line of 8051 River Road. The park will provide the following functions:

- a. A paved, 4.0 m. wide combined pedestrian and cycling path on the dike crest;
- b. A 2.5 m. wide separated pedestrian path that:
  - i. Will provide seating, affording views of the river;
  - ii. May be located below the dike crest but not lower than the existing dike elevation (approximately 3.5 m GSC) in order to provide opportunities for the pedestrians to be closer to the river;
  - iii. May be constructed of a mix of hard surface and granular materials provided that it remains universally accessible.
- c. Plaza nodes at each street end of sufficient size to allow for safe passage of cyclists and pedestrians and, at the same time, allow for seating and other site furnishings to serve informal gathering and viewing;
- d. Viewing piers at each road end (Capstan Way and Corvette Way) accessed from the plaza nodes and at dike crest elevation with steel gangways accessing a floating walkway that will create a connection between them on the river;;
- e. A steel lookout platform with stair access and an elevated covered area with benches;
- f. Pedestrian and cyclist access to the new dike crest elevation from Capstan Way, River Road and Corvette Way, including interim and ultimate measures;
- g. All park infrastructure necessary for efficient and effective operation and maintenance including, but not limited to, lighting, irrigation, storm drainage, power and water.

#### 3. Park Design

- a. The park design will be completed by the developer to the satisfaction of the City.
- b. Soft landscape design:
  - i. To provide screening and separation from the development site including trees;
  - ii. To reflect the context of the Middle Arm of the Fraser River including native planting;
  - iii. To include native riparian and intertidal planting in all areas below the new dike crest.
- c. Hard landscape design:
  - i. Detailed design of all elements and the materials used are to reflect and celebrate the waterfront location and character.
- d. Buildings situated outside the parking will be set back at least 30.0 m from the High Water Mark

#### 4. Park Maintenance

- a. The dike crest trail shall be of sufficient width to accommodate park maintenance vehicles.
- b. The interim condition shall allow vehicles the ability to safely enter and exit the park area.

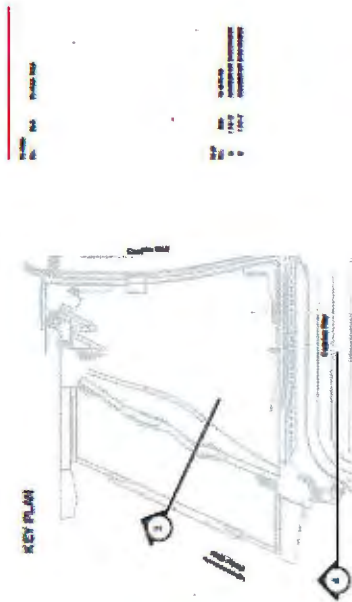
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Proposed Development  
 100' x 100' x 100'  
 100' x 100' x 100'  
 100' x 100' x 100'



**eta**

Environmental Technology Associates, Inc.  
 201 N. 1st St.  
 Suite 100  
 Phoenix, AZ 85004  
 Phone: (602) 258-1111  
 Fax: (602) 258-1112  
 Email: info@etaaz.com  
 Website: www.etaaz.com

**Yuanheng Studio**

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 Phoenix, AZ 85004  
 Phone: (602) 258-1111  
 Fax: (602) 258-1112  
 Email: info@yuanheng.com  
 Website: www.yuanheng.com

**Seaview Park**

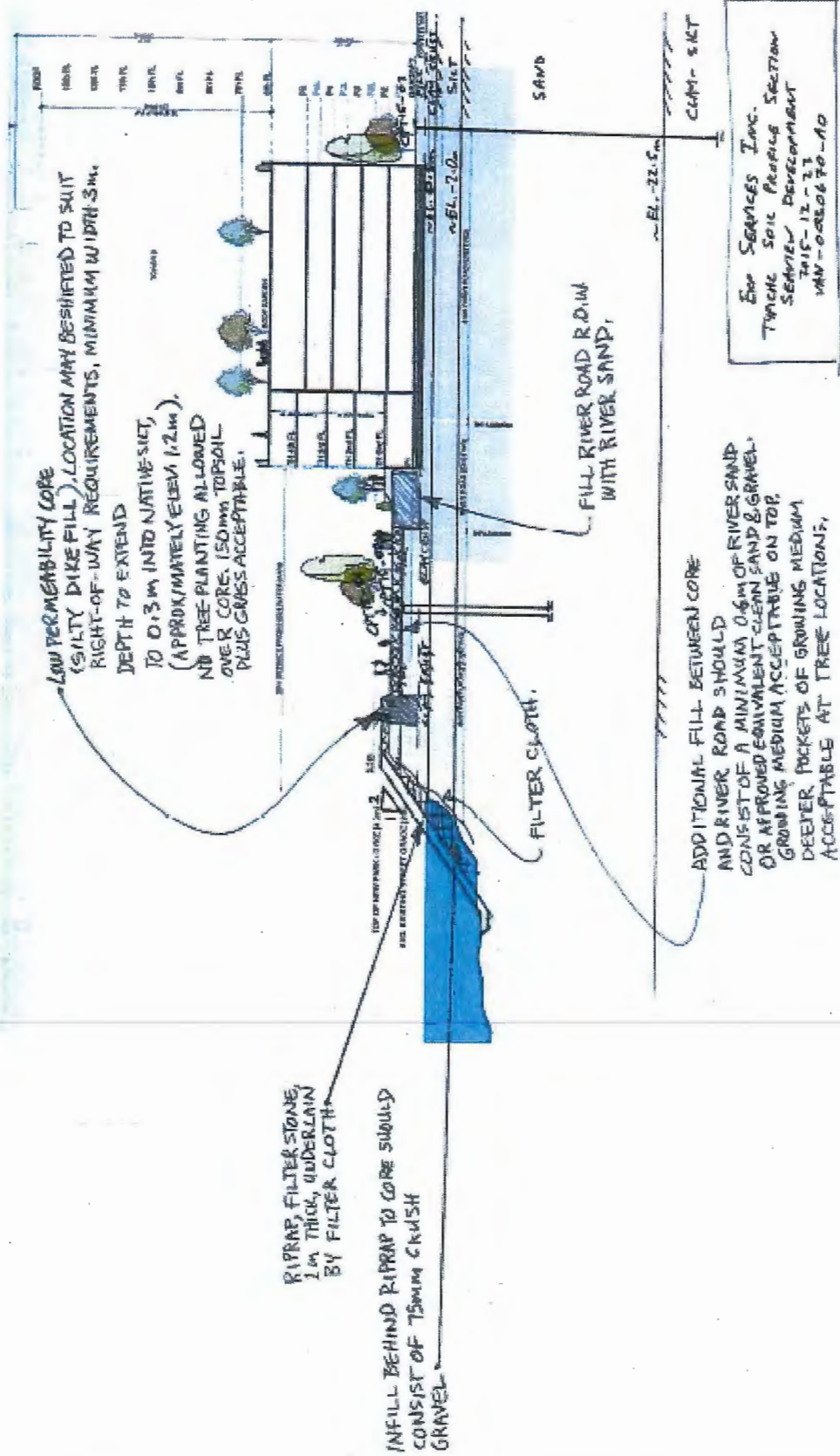
201 N. 1st St.  
 Suite 100  
 Phoenix, AZ 85004  
 Phone: (602) 258-1111  
 Fax: (602) 258-1112  
 Email: info@seaviewpark.com  
 Website: www.seaviewpark.com

**Landscape Section 2**

Scale: 1" = 100'

North Arrow

PROPOSED DIKE CROSS-SECTION (PRELIMINARY)  
Dec. 23/2015. See email of Dec 23/2015 for material specs.



Initial \_\_\_\_\_



**Richmond Official Community Plan Bylaw 9000 and Richmond Official  
Community Plan Bylaw 7100,  
Amendment Bylaw 9593 (RZ 12-603040)  
3031, 3211, 3231, 3291, 3311, 3331, 3351 No. 3 Road,  
8151 Capstan Way, and 8051 and 8100 River Road**

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

1. Richmond Official Community Plan Bylaw 9000 is amended at Attachment 1 to Schedule 1, 2041 OCP Land Use Map, for those areas marked “A” and “B” on “Schedule A attached to and forming part of Bylaw 9593”, by designating area “A” as “Park” and area “B” as “Mixed Use”.
2. Richmond Official Community Plan Bylaw 7100, in Schedule 2.10 (City Centre Area Plan), is amended by:
  - 2.1 On page 2-6, on the City Centre Neighbourhoods & Village Areas Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, repealing the “Existing Parks, Planned Parks & Open Space” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Existing Parks, Planned Parks & Open Space”.
  - 2.2 On page 2-13, on the Jobs & Business Concept Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, extending the “Key Mixed-Use Areas & Commercial Reserve” designation to include that area west of Corvette Way identified as “Urban Centre T5 (45 m)” on “Schedule B attached to and forming part of Bylaw 9593”.
  - 2.3 On page 2-17, on the Key Commercial Areas Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, extending the “Mixed-Use Core” designation to include that area west of Corvette Way indicated as “Urban Centre T5 (45 m)” on “Schedule B attached to and forming part of Bylaw 9593”.
  - 2.4 On page 2-27, on the Street Network Map (2031), in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, revising the “Minor Streets” designation connecting Corvette Way and No. 3 Road as indicated on “Schedule B attached to and forming part of Bylaw 9593”.
  - 2.5 On page 2-32, on the Key Street Improvements Map (2031), in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, revising the “New East-West Streets” designation connecting Corvette Way and

- No. 3 Road as indicated on “Schedule B attached to and forming part of Bylaw 9593”.
- 2.6 On page 2-42, on the Goods Movement & Loading Map (2031), in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, revising the “Limited on-street” designation connecting Corvette Way and No. 3 Road as indicated on “Schedule B attached to and forming part of Bylaw 9593”.
- 2.7 On page 2-51, on the Public Art Opportunities Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, repealing the “Neighbourhood Park (Future to 2031)” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Neighbourhood Park (Future to 2031)”.
- 2.8 On page 2-60, on the A Base for Building a Living Landscape Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, repealing the “Existing Greenways, Planned Greenways, Linear Parks & Green Links” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Existing Greenways, Planned Greenways, Linear Parks & Green Links”.
- 2.9 On page 2-65, on the Base Level Parks & Open Space Map (2031), in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, repealing the “Neighbourhood Park (Future to 2031)” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Neighbourhood Park (Future to 2031)”.
- 2.10 On page 2-68, on the Neighbourhood Parks Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, repealing the “Neighbourhood Park (Future to 2031)” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Neighbourhood Park (Future to 2031)”.
- 2.11 On page 2-109, on the Maximum Building Height Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River
- a) Repealing the “9 m (30 ft.)” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Park”; and
  - b) Repealing the “Park” designation and designating the land identified as “Urban Centre T5 (45 m)” on “Schedule B attached to and forming part of Bylaw 9593” as “45 m (148 ft.)”.
- 2.12 On page 2-113, on the Tower Spacing & Floorplate Size Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, extending the “24 m (79 ft.)” designation to include the area west of Corvette

Way and indicated as “Urban Centre T5 (45 m)” on “Schedule B attached to and forming part of Bylaw 9593”.

- 2.13 On page 3-3, on the Development Permit Sub-Areas Key Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River
- a) Repealing the “C2 Marina-Commercial & Waterborne Residential” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Parks”; and
  - b) Repealing the “Parks” designation and designating the land identified as “Urban Centre T5 (45 m)” on “Schedule B attached to and forming part of Bylaw 9593” as “B3 Mixed-Use – High-Rise Residential, Commercial & Mixed-Use”.
- 2.14 On page 3-13, on the Park Frontage Enhancement Areas Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, repealing the “Neighbourhood Park (Future to 2031)” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Neighbourhood Park (Future to 2031)”.
- 2.15 On page 3-16, on the Designated Green Link & Linear Park Location Map, in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, repealing the “Park” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Park”.
- 2.16 On page 3-48, extending Sub-Area B.3 Mixed Use - High-Rise Residential, Commercial & Mixed Use to include that area west of Corvette Way and identified as “Urban Centre T5 (45 m)” on “Schedule B attached to and forming part of Bylaw 9593”.
- 2.17 On page 4-7, on the Proposed New Transportation Improvements Map (2031), in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, revising the “Minor Street, New Street” designation connecting Corvette Way and No. 3 Road as indicated on “Schedule B attached to and forming part of Bylaw 9593”.
- 2.18 On page 4-11, on the Park & Open Spaces Map (2031), in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, repealing the “Neighbourhood Park (Future to 2031)” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Neighbourhood Park (Future to 2031)”.
- 2.19 On the Generalized Land Use Map (2031), in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River



- a) Repealing the “Marina” designation and designating the land identified as “Park” on “Schedule B attached to and forming part of Bylaw 9593” as “Park”; and
  - b) Repealing the “Park” designation and designating the land identified as “Urban Centre T5 (45 m)” on “Schedule B attached to and forming part of Bylaw 9593” as “Urban Centre T5”.
- 2.20 Revising the “Proposed Streets” designation connecting Corvette Way and No. 3 Road as indicated on “Schedule B attached to and forming part of Bylaw 9593” on the following maps:
- a) Overlay Boundary – Village Centre Bonus Map (2031);
  - b) Overlay Boundary – Capstan Station Bonus Map (2031);
  - c) Overlay Boundary – Commercial & Industrial Reserves Map (2031); and
  - d) Overlay Boundary – Richmond Arts District (RAD) Map (2031).
- 2.21 On the Specific Land Use Map: Capstan Village (2031), in the area bounded by Sea Island Way, No. 3 Road, Capstan Way and the Middle Arm of the Fraser River, replacing the land use designations as indicated on “Schedule B attached to and forming part of Bylaw 9593”.
- 2.22 Making various text and graphic amendments to accommodate the identified bylaw amendments and to ensure consistency with the Generalized Land Use Map (2031) and Specific Land Use Map: Capstan Village (2031) as amended.
3. This Bylaw may be cited as **“Richmond Official Community Plan Bylaw 9000 and Richmond Official Community Plan Bylaw 7100, Amendment Bylaw 9593”**.

FIRST READING

PUBLIC HEARING

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

ADOPTED




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 MAYOR

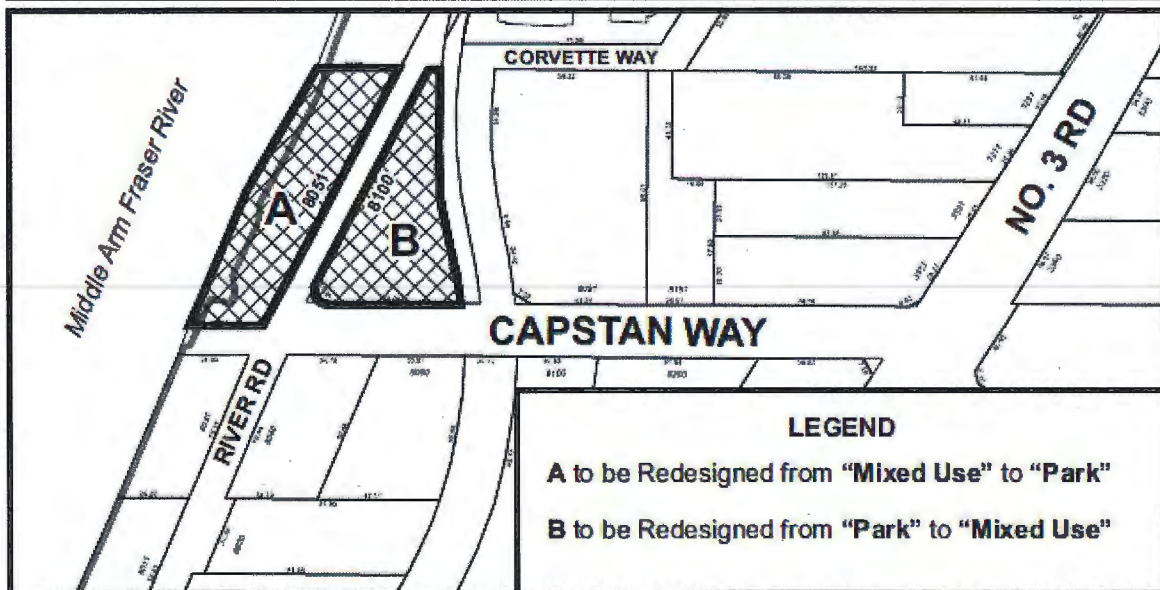
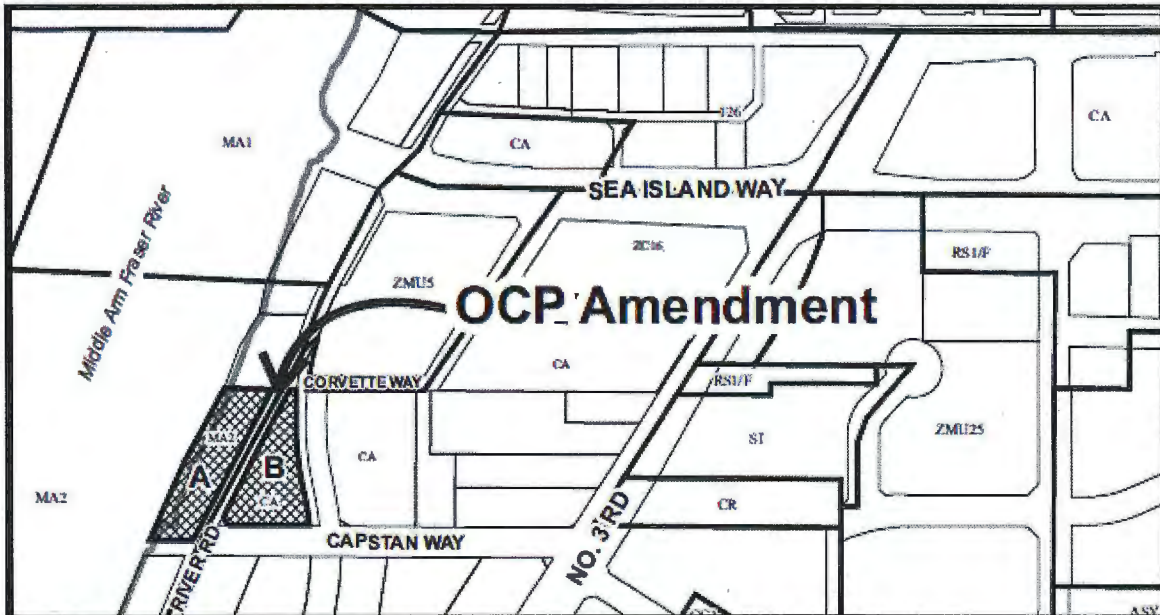
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 CORPORATE OFFICER

"Schedule A attached to and forming part of Bylaw 9593"



City of  
Richmond



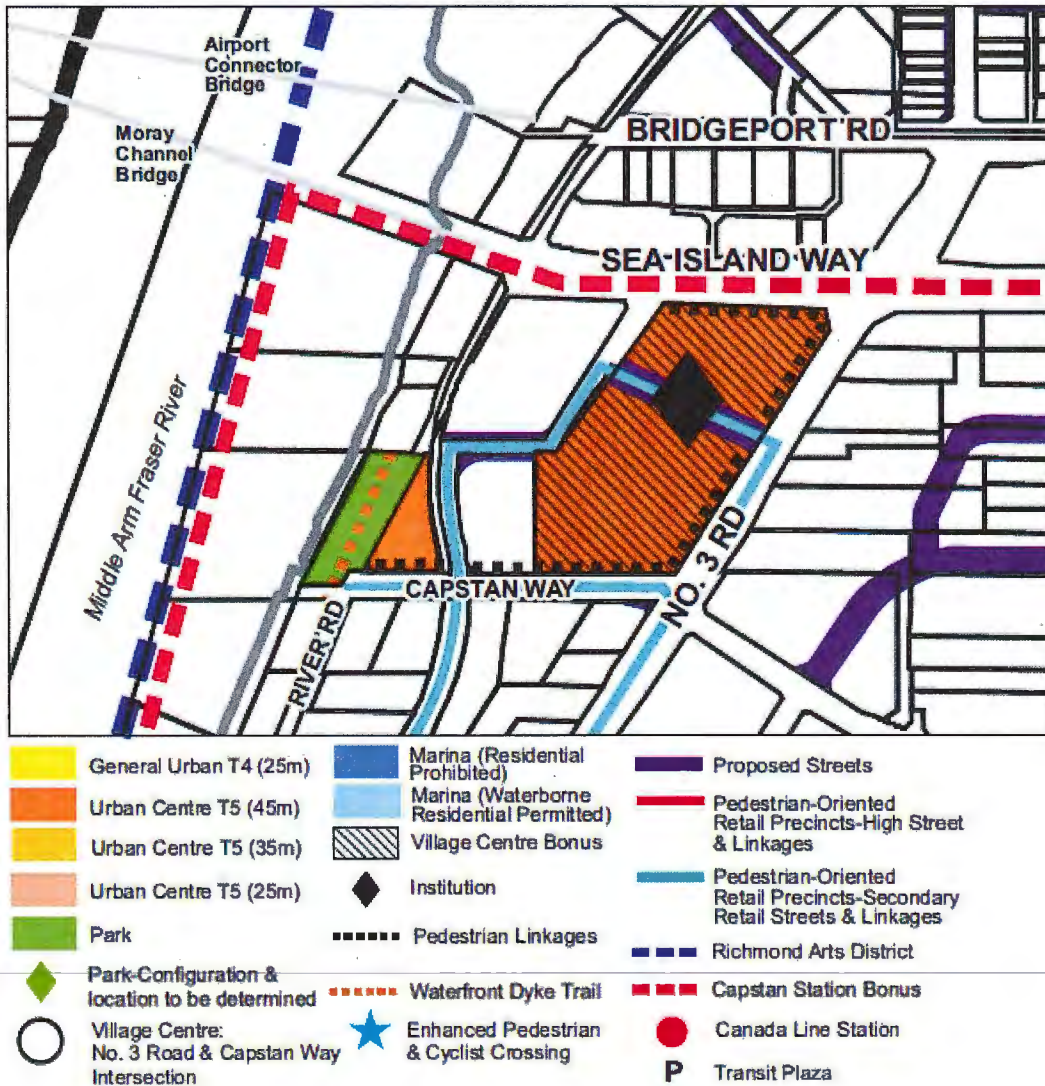
OCP Amendment Bylaw 9593  
(RZ 12-603040)

Original Date: 09/09/16

Revision Date: 09/15/16

Note: Dimensions are in METRES

"Schedule B attached to and forming part of Bylaw 9593"





**Richmond Zoning Bylaw 8500  
Amendment Bylaw 9594 (RZ 12-603040)  
3031, 3211, 3231, 3291, 3311, 3331, 3351 No 3 Road,  
8151 Capstan Way and 8051 and 8100 River 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 by inserting the following as Section 20.30 thereof:

**“20.30 Residential / Limited Commercial and Community Amenity (ZMU30) – Capstan Village (City Centre)**

**20.30.1 Purpose**

The **zone** accommodates **community amenity space** within the **City Centre**, plus high-rise apartments and a limited amount of **commercial use**, and compatible **secondary uses**. Additional **density** is provided to achieve, among other things, **City** objectives in respect to **community amenity space**, **affordable housing units**, **commercial use**, and the Capstan Canada Line station.

**20.30.2 Permitted Uses**

- **amenity space, community**
- **congregate housing**
- **housing, apartment**

**20.30.3 Secondary Uses**

- **animal grooming**
- **boarding and lodging**
- **broadcast studio**
- **child care**
- **community care facility, minor**
- **education, commercial**
- **government service**
- **health service, minor**
- **home-based business**
- **hotel**
- **housing, town**
- **library and exhibit**
- **liquor primary establishment**

- **manufacturing, custom indoor**
- **office**
- **park**
- **parking, non-accessory**
- **private club**
- **recreation, indoor**
- **religious assembly**
- **restaurant**
- **retail, convenience**
- **retail, general**
- **retail, second hand**
- **service, business support**
- **service, financial**
- **service, household repair**
- **service, personal**
- **studio**
- **vehicle rental, convenience**
- **veterinary service**

#### **20.30.4 Permitted Density**

1. The maximum **floor area ratio** is 1.2, together with an additional 0.1 **floor area ratio** provided that it is entirely used to accommodate **amenity space**.
2. Notwithstanding Section 20.30.4.1, the reference to “1.2” is increased to a higher **floor area ratio** of “2.5” if:
  - a) the **site** is located in the Capstan Station Bonus Map area designated by the **City Centre Area Plan**;
  - b) the **owner** pays a sum into the **Capstan station reserve** as specified in Section 5.19 of this bylaw;
  - c) the **owner** grants to the **City**, via a statutory **right-of-way**, **air space parcel**, fee simple, or dedication, as determined at the sole discretion of the **City**, rights of public use over a suitably landscaped area of the **site** for **park** and related purposes at a rate of 5.0 m<sup>2</sup> per **dwelling unit** or 4,250.0 m<sup>2</sup>, whichever is greater;
  - d) the **owner** uses a minimum of 0.5 **floor area ratio** for residential purposes; and
  - e) prior to first occupancy of the **building**, the **owner**:
    - i. provides in the **building** not less than four **affordable housing units** and the combined **habitable space** of the total number of **affordable housing units** would comprise at least 5% of the total residential **building area**; and



- ii. enters into a **housing agreement** with respect to the **affordable housing units** and registers the **housing agreement** against title to the **lot** and files a notice in the Land Title Office.
3. If the **owner** has paid a sum into the **Capstan station reserve**, provided a suitably landscaped area of the **site** for **park** and related purposes, and provided **affordable housing units** under Section 20.30.4.2, an additional 1.0 **density bonus floor area ratio** shall be permitted, provided that:
  - a) the **lot** is located in the Village Centre Bonus Area designated by the **City Centre Area Plan**;
  - b) the **owner** uses the additional 1.0 **density bonus floor area ratio** only for non-residential purposes, which non-residential purposes shall provide, in whole or in part, for **office, convenience retail uses, minor health services**, pedestrian-oriented **general retail**, or other **uses** important to the viability of the City Centre as determined to the satisfaction of the **City**;
  - c) the **owner** uses a maximum of 49% of the **gross floor area** of the **building**, including the additional 1.0 **density bonus floor area ratio** (i.e. the **gross floor area** of the additional **building area**), for non-residential purposes; and
  - d) the **owner** grants to the **City**, via **air space parcel**, at least 5% of the additional 1.0 **density bonus floor area ratio** (i.e. the **gross floor area** of the additional **building area**) or 1,214.8 m<sup>2</sup>, whichever is greater, for **community amenity space** (e.g., community recreation), to the satisfaction of the **City**, and locates the entirety of the area granted to the **City** within the area indicated as “B” in Section 20.30.4.3, Diagram 2.

Diagram 1

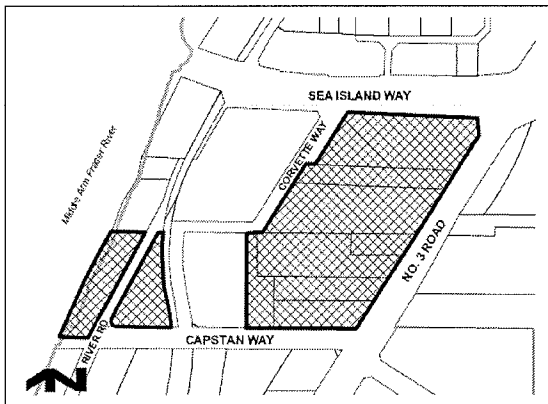
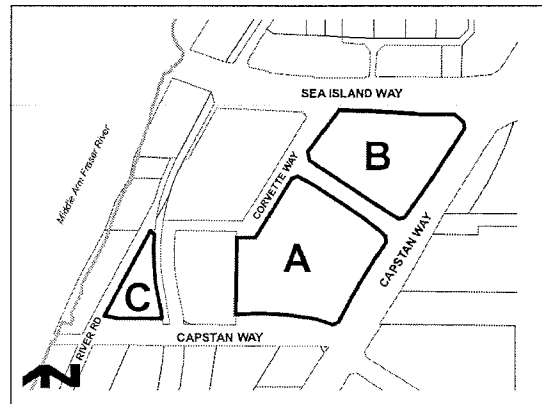


Diagram 2



4. Notwithstanding Section 20.30.4.2, the reference to “2.5” is increased to a higher **floor area ratio** of “3.03” on the portion of the **site** located east of Corvette Way if:
  - a) the portion of the **site** located east of Corvette Way is designated Institution by the **City Centre Area Plan**;

- b) the **owner** has granted **community amenity space** to the **City** under Section 20.30.4.3; and
  - c) Notwithstanding Section 20.30.4.3(d), the reference to “1,214.8 m<sup>2</sup>” is increased to “3,106.59 m<sup>2</sup>”;
5. Notwithstanding Sections 20.30.4.2, 20.30.4.3, and 20.30.4.4, provided that the **owner** complies with the conditions set out in Sections 20.30.4.2, 20.30.4.3, and 20.30.4.4 and, within the area shown cross-hatched in Section 20.30.4.3, Diagram 1, the **owner** dedicates not less than 2,801.0 m<sup>2</sup> of land to the **City** as **road** and transfers not less than 2,963.0 m<sup>2</sup> of land to the **City** as fee simple for **park** purposes, then:
- a) the maximum total combined **floor area** for the **site** shall not exceed 113,131.8 m<sup>2</sup>, of which the **floor area** of residential **uses** shall not exceed 88,836.0 m<sup>2</sup>, including at least 4,441.8 m<sup>2</sup> for **affordable housing units**, and the **floor area** for other **uses** shall not exceed 24,295.8 m<sup>2</sup>, including at least 3,106.6 m<sup>2</sup> for **community amenity space**; and
  - b) the maximum **floor area** for the areas indicated as “A”, “B”, and “C” in Section 20.30.4.3, Diagram 2, shall not exceed:
    - i. for “A”: 54,977.8 m<sup>2</sup> for residential **uses**, including at least 1,110.5 m<sup>2</sup> of the **habitable space** for **affordable housing units** required under Section 20.30.5(d), and 2,131.0 m<sup>2</sup> for other **uses**;
    - ii. for “B”: 21,015.0 m<sup>2</sup> for residential **uses**, including 3,331.3 m<sup>2</sup> of **habitable space** for **affordable housing units** or the balance of the **habitable space** for **affordable housing units** required under Section 20.30.5(d) and not provided by the **owner** on “A”, whichever is less, and 22,164.8 m<sup>2</sup> for other **uses**, including at least 3,106.6 m<sup>2</sup> for **community amenity space**; and
    - iii. for “C”: 12,843.2 m<sup>2</sup> for residential **uses**, including nil for **affordable housing units**, and nil for other **uses**; and
  - c) the maximum combined total number of **dwelling units** for the areas indicated as “A”, “B”, and “C” in Section 20.30.4.3, Diagram 2, shall not exceed 850.

### 20.30.5 Permitted Lot Coverage

- 1. The maximum **lot coverage** for the areas indicated as “A”, “B”, and “C” in Section 20.30.4.3, Diagram 2, is 90% for **buildings** and **landscaped** roofs over **parking spaces**.

### 20.30.6 Yards & Setbacks

- 1. Minimum **setbacks** shall be:
  - a) for **road** and **park setbacks**, measured to a **lot line** or the boundary of an area granted to the **City** via a statutory **right-of-way** or **air space parcel** for **road** or **park** purposes: 3.0 m, but may be reduced if a proper interface is provided as specified in a Development Permit approved by the **City**;

- b) for **interior side yard setbacks**, measured to a **lot line**: 0.0 m; and
  - c) for parts of a **building** situated below finished **grade**, measured to a **lot line**: 0.0 m.
2. Notwithstanding Section 20.30.6.1, for residential **uses** the minimum setback to a **lot line** that abuts Sea Island Way shall be 20.0 m.

#### 20.30.7 Permitted Heights

- 1. The maximum **building height** shall be 47.0 m GSC.
- 2. The maximum **height** for **accessory structures** is 12.0 m.

#### 20.30.8 Subdivision Provisions

- 1. The minimum **lot** area for the areas indicated as “A”, “B”, and “C” in Section 20.30.4.3, Diagram 2, shall be:
  - a) for “A”: 13,000.0 m<sup>2</sup>;
  - b) for “B”: 9,000.0 m<sup>2</sup>; and
  - c) for “C”: 2,000.0 m<sup>2</sup>.

#### 20.30.9 Landscaping & Screening

- 1. **Landscaping** and **screening** shall be provided according to the provisions of Section 6.0.

#### 20.30.10 On-Site Parking and Loading

- 1. On-site **vehicle** and bicycle parking shall be provided according to the provisions of Section 7.0 and **City Centre** Parking Zone 1.
- 2. Notwithstanding Section 20.30.10.1, if the **owner** implements transportation demand management measures substantiated by a parking study approved by the **City**:
  - a) the minimum number of **parking spaces** for the following **uses** shall be:
    - i. for community centre: 74 spaces, except that 20 spaces may be shared with parking provided for other non-residential **uses** on the **lot** where the maximum demand for the parking spaces by the individual **uses** occurs at different periods of the day;
    - ii. for **convenience retail, general retail, restaurant, office**, and other commercial **uses** on the first two **storeys** of a **building** (which two **storeys** are above the finished **grade**): 3.375 spaces per 100.00 m<sup>2</sup> of **gross leasable floor area**;
    - iii. for **office** above the first two **storeys** of a **building** (which two **storeys** are above the finished **grade**): 1.1475 spaces per 100.00 m<sup>2</sup> of **gross leasable floor area**;

- iv. for **affordable housing units**: 0.81 spaces for residents per **dwelling unit**;
  - v. for **town housing, apartment housing, and mixed commercial/residential uses**: 1.0 space for residents per **dwelling unit**; and
  - vi. for residential visitors: 0.18 spaces per **dwelling unit**, except that a portion of the spaces may be shared with parking provided for non-residential **uses** on the **lot** for the areas indicated as “A” and “B” in Section 20.30.4.3, Diagram 2, as follows:
    - for “A”: maximum 70% shared; and
    - for “B”: maximum 100% shared.
3. On-site loading shall be provided according to the provisions of Section 7.0, except that the minimum number of **loading spaces** on the **lot** for the areas indicated as “A”, “B”, and “C” in Section 20.30.4.3, Diagram 2, shall be :
- a) for “A”: 3 medium-size **loading spaces** for residential use and 1 medium-size **loading space** for non-residential use;
  - b) for “B”: 2 medium-size **loading spaces** for residential use and 2 medium-size **loading spaces** for non-residential use (including community centre use); and
  - c) for “C”: 1 medium-size **loading space**.

#### 20.30.11 Other Regulations

- 1. For the areas indicated as “A” and “B” in Section 20.30.4.3, Diagram 2, **uses** located above the first two **storeys** of a **building** (which **storeys** are above the finished **grade**) shall be limited to **health service, minor, office, private club, residential, restaurant, and service, personal**.
- 2. Signage must comply with the City of Richmond’s *Sign Bylaw 5560*, as it applies to **development** in the Downtown Commercial (CDT1) **zone**.
- 3. **Telecommunication antenna** must be located a minimum 20.0 m above the ground (i.e., on a roof of a **building**).
- 4. In addition to the regulations listed above, the General Development Regulations in Section 4.0 and the Specific Use Regulations in Section 5.0 apply.”

2. 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:

**2.1. RESIDENTIAL / LIMITED COMMERCIAL AND COMMUNITY AMENITY (ZMU30) – CAPSTAN VILLAGE (CITY CENTRE).**

Those areas shown cross-hatched and indicated as “A” on “Schedule “A” attached to and forming part of Bylaw 9594”.

**2.2. SCHOOL & INSTITUTIONAL USE (SI).**

Those areas shown hatched and indicated as “B” on “Schedule “A” attached to and forming part of Bylaw 9594”.

3. This Bylaw may be cited as “**Richmond Zoning Bylaw 8500, Amendment Bylaw 9594**”.

FIRST READING

A PUBLIC HEARING WAS HELD ON

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

MINISTRY OF TRANSPORTATION AND  
INFRASTRUCTURE APPROVAL

ADOPTED

CITY OF RICHMOND
APPROVED by <i>PK</i>
APPROVED by Director or Solicitor <i>SA</i>

\_\_\_\_\_  
MAYOR

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





City of  
Richmond



RZ 12-603040

Original Date: 03/05/14

Revision Date: 08/02/16

Note: Dimensions are in METRES



# City of Richmond

## Report to Committee Planning and Development Division

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

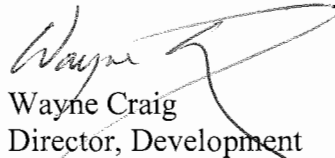
**Date:** September 9, 2016

**File:** RZ 15-712649


**Re:** Application by Rick Bowal for Rezoning at 7531 Williams Road from Single Detached (RS1/E) to Compact Single Detached (RC2)

### Staff Recommendation

That Richmond Zoning Bylaw 8500, Amendment Bylaw 9599, for the rezoning of 7531 Williams Road from "Single Detached (RS1/E)" to "Compact Single Detached (RC2)", be introduced and given first reading.

  
Wayne Craig  
Director, Development

WC:cl  
Att. 5

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

## **Staff Report**

### **Origin**

Rick Bowal has applied to the City of Richmond for permission to rezone the property at 7531 Williams Road from the “Single Detached (RS1/E)” zone to the “Compact Single Detached (RC2)” zone, to permit the property to be subdivided to create two (2) lots with vehicle access to/from the rear lane (Attachment 1). A survey of the subject site is included in Attachment 2. The site currently contains a single detached dwelling, which will be demolished at future development stage.

### **Findings of Fact**

A Development Application Data Sheet providing details about the development proposal is attached (Attachment 3).

### **Surrounding Development**

Existing development immediately surrounding the subject site is as follows:

- To the north, immediately across the rear lane, are two (2) lots zoned “Single Detached (RS1/E)”, fronting Bates Road (7480 and 7500 Bates Road). There is currently a new dwelling under construction at 7480 Bates Road, and an existing single-detached dwelling at 7500 Bates Road.
- To the south, immediately across Williams Road, are lots zoned “Coach House (ZS12) – Broadmoor” (7446 and 7460 Williams Road). There is a new dwelling under construction at 7446 Williams Road, and an existing dwelling at 7460 Williams Road.
- To the east is a dwelling on a lot zoned “Single Detached (RS1/E)” at 7551 Williams Road.
- To the west is a dwelling on a lot zoned “Single Detached (RS1/E)” at 7511 Williams Road, which is the subject of a rezoning application to the “Compact Single Detached (RC2)” zone (RZ 15-712653).

### **Related Policies & Studies**

#### **Official Community Plan/Broadmoor Area Central West Sub-Area Plan**

The Official Community Plan (OCP) land use designation for the subject site is “Neighbourhood Residential”. The land use designation for the subject site in the Broadmoor Area Central West Sub-Area Plan is “Low Density Residential”.

This redevelopment proposal is consistent with these designations.

### **Arterial Road Policy**

The Arterial Road Policy identifies the subject site for redevelopment to compact lot or coach house lots, with rear lane access. This redevelopment proposal is consistent with the Arterial Road Policy designation.

**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.

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.

**Analysis****Site Access**

Vehicle access to the proposed lots is to be from the existing rear lane. Vehicle access to the proposed lots from Williams Road is not permitted, in accordance with Residential Lot (Vehicular) Access Regulation Bylaw No. 7222. The existing driveway crossing on Williams Road must be closed and the boulevard restored to match the current condition to the east and west.

**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 Report assesses one (1) bylaw-sized tree on the subject property (Tree # 386).

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

- One (1) birch tree located in the northeast corner of the subject site (Tree # 386; multi-stemmed with a combined dbh of 88 cm), is in good condition and should be retained and protected as it is not in conflict with the proposed development.
- The tree must be retained and protected as per City of Richmond Tree Protection Information Bulletin Tree-03, with a minimum of tree protection zone of 4.0 m out from the base of the tree to the west and south, 3.0 m out from the base of the tree to the north, and 3.5 m out from the base of the tree to the east. In order to accommodate vehicle access from the rear lane to the dwelling on the proposed east lot, the minimum building setback from the north property line must be 9.5 m and the driveway must be treated with special measures such as unit pavers over aeration tubes below, as identified in the Arborist's Report.

The applicant has submitted a tree retention plan showing the tree to be retained and the measures taken to protect them during development stage (Attachment 4). 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 the tree protection zone. 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 report to the City for review.
  - A survival security in the amount of \$10,000. The security will be held until construction and landscaping on-site is completed, the post-construction impact assessment report is received, and a site inspection is conducted to ensure that the tree has not been negatively impacted by the development. The City may retain a portion of the security for a one-year maintenance period to ensure the tree has survived.
- 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.

Consistent with the Landscape Plan guidelines in the Arterial Road Policy, and to ensure that the front yards of the proposed lots are enhanced, the applicant is required to submit the following prior to final adoption of the rezoning bylaw:

- A Landscape Plan and cost estimate, prepared by a Registered Landscape Architect, to the satisfaction of the Director of Development. The Landscape Plan should:
  - comply with the guidelines of the OCP's Arterial Road Policy and should not include hedges along the front property line.
  - include a mix of coniferous and deciduous trees (minimum 6 cm deciduous caliper or 3.5 m high conifer).
  - include the dimensions of tree protection fencing and any special measures as identified in the Tree Retention Plan attached to this report.
- A Landscaping Security based on 100% of the cost estimate for the landscape works, prepared by the Registered Landscape Architect (including all trees, soft and hard materials proposed, fencing, installation costs, and a 10% contingency).

### **Affordable Housing Strategy**

The City's Affordable Housing Strategy for single-family rezoning applications requires a) secondary suite(s) on 100% of new lots proposed; b) secondary suite(s) on 50% of new lots proposed and a cash-in-lieu contribution to the City's Affordable Housing Reserve Fund based on \$2.00/ft<sup>2</sup> of the total buildable area on the remaining lots; or c) in cases where a secondary



suite cannot be accommodated, a cash-in-lieu contribution to the City's Affordable Housing Reserve Fund based on \$2.00/ft<sup>2</sup> of the total buildable area on 100% of new lots proposed.

Consistent with the Affordable Housing Strategy, the applicant proposes a secondary suite on one (1) of the two (2) proposed lots and a cash-in-lieu contribution of \$4,203 to the City's Affordable Housing Reserve Fund for the remaining lot. Prior to rezoning approval, the applicant is required to register a legal agreement on title, stating that no final Building Permit inspection will be granted until the secondary suite is constructed to the satisfaction of the City in accordance with the BC Building Code and Richmond Zoning Bylaw 8500. This agreement will be discharged from title (at the initiation of the applicant) on the lot where the secondary suite is not required by the Affordable Housing Strategy after the requirements are satisfied.

### **Site Servicing and Frontage Improvements**

There are no servicing concerns with rezoning.

At future Subdivision stage, the applicant is required to:

- Pay Development Cost Charges (City and GVS&DD), School Site Acquisition Charge, Address Assignment Fees and Servicing Costs for the scope of works described in Attachment 5.
- Submit a cash-in-lieu contribution in the amount of \$31,990.80 for the design and construction of lane improvements, in accordance with the Subdivision and Development Bylaw No. 8751.

At future Building Permit stage, the applicant is required to complete the servicing requirements described in Attachment 5.

### **Financial 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 application is to rezone the property at 7531 Williams Road from the "Single Detached (RS1/E)" zone to the "Compact Single Detached (RC2)" zone, to permit the property to be subdivided to create two (2) lots with vehicle access to the rear lane.

This rezoning application complies with the land use designations and applicable policies for the subject sites that are contained within the OCP.

The list of rezoning considerations is included in Attachment 5, which has been agreed to by the applicant (signed concurrence on file).

It is recommended that Zoning Bylaw 8500, Amendment Bylaw 9599 be introduced and given first reading.



Cynthia Lussier  
Planner 1

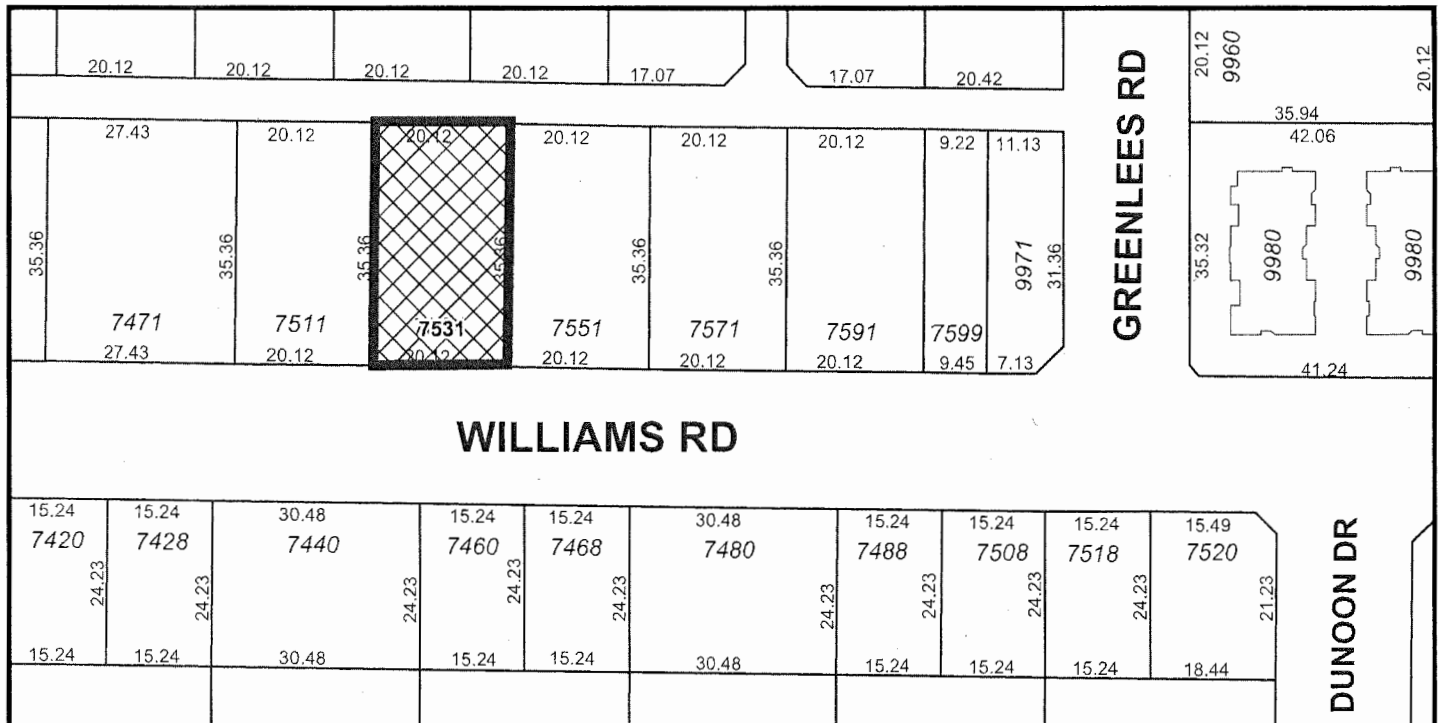
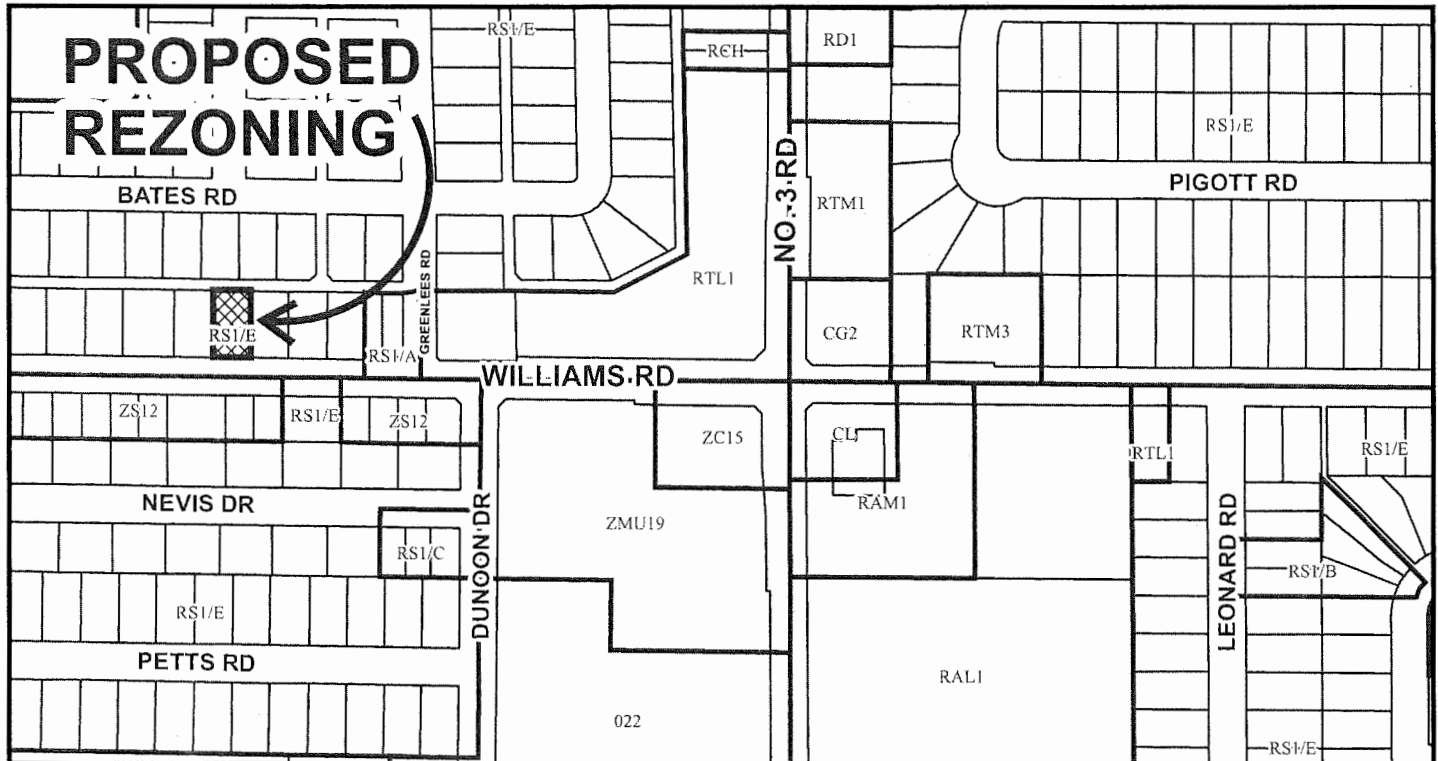
CL:rg

- Attachment 1: Location Map/Aerial Photo
- Attachment 2: Site Survey
- Attachment 3: Development Application Data Sheet
- Attachment 4: Proposed Tree Retention Plan
- Attachment 5: Rezoning Considerations



# City of Richmond

ATTACHMENT 1



## RZ 15-712649

PLN - 220

Original Date: 12/14/15

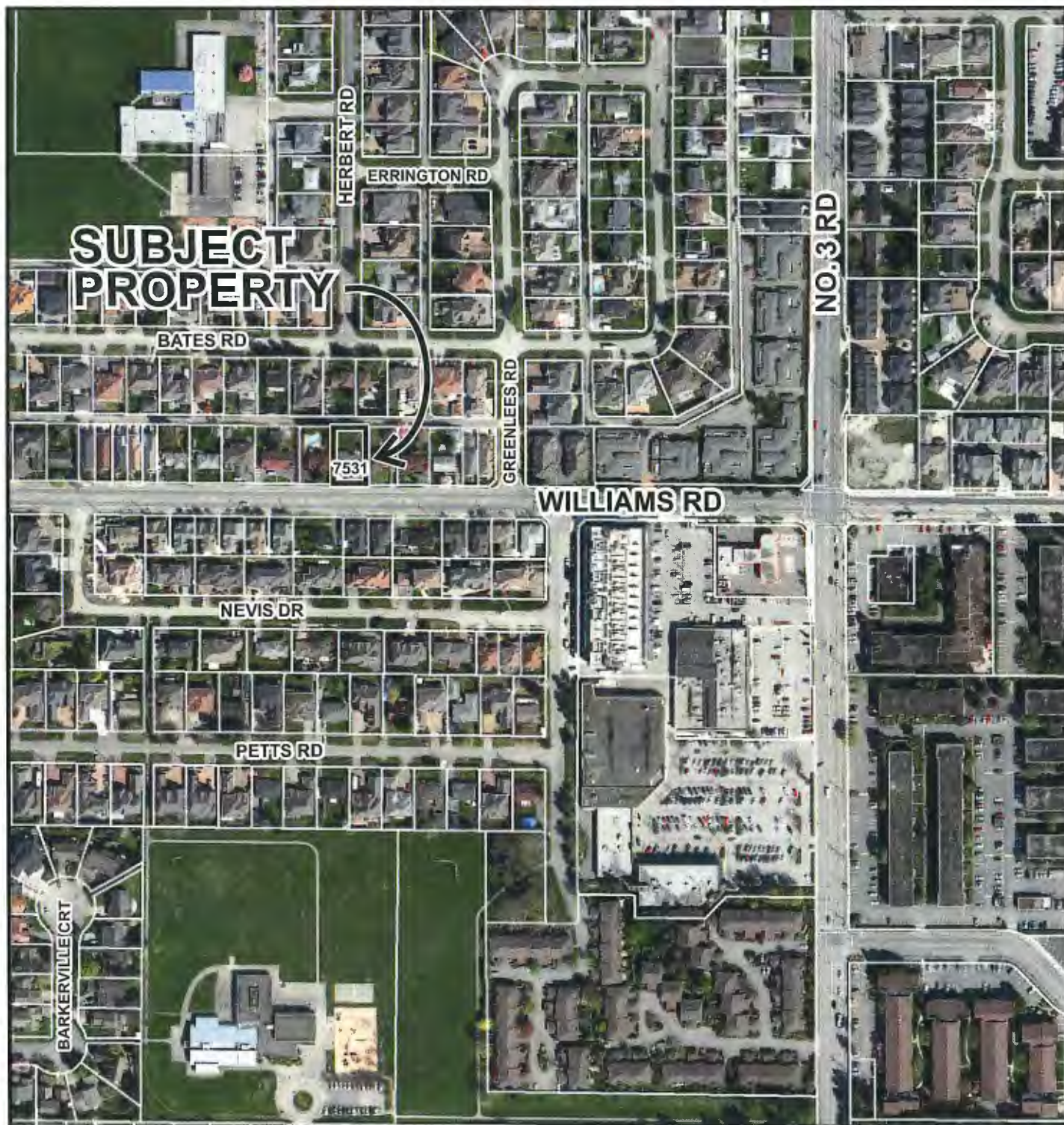
Revision Date:

Note: Dimensions are in METRES





# City of Richmond



**RZ 15-712649**

**PLN - 221**

Original Date: 12/14/15

Revision Date:

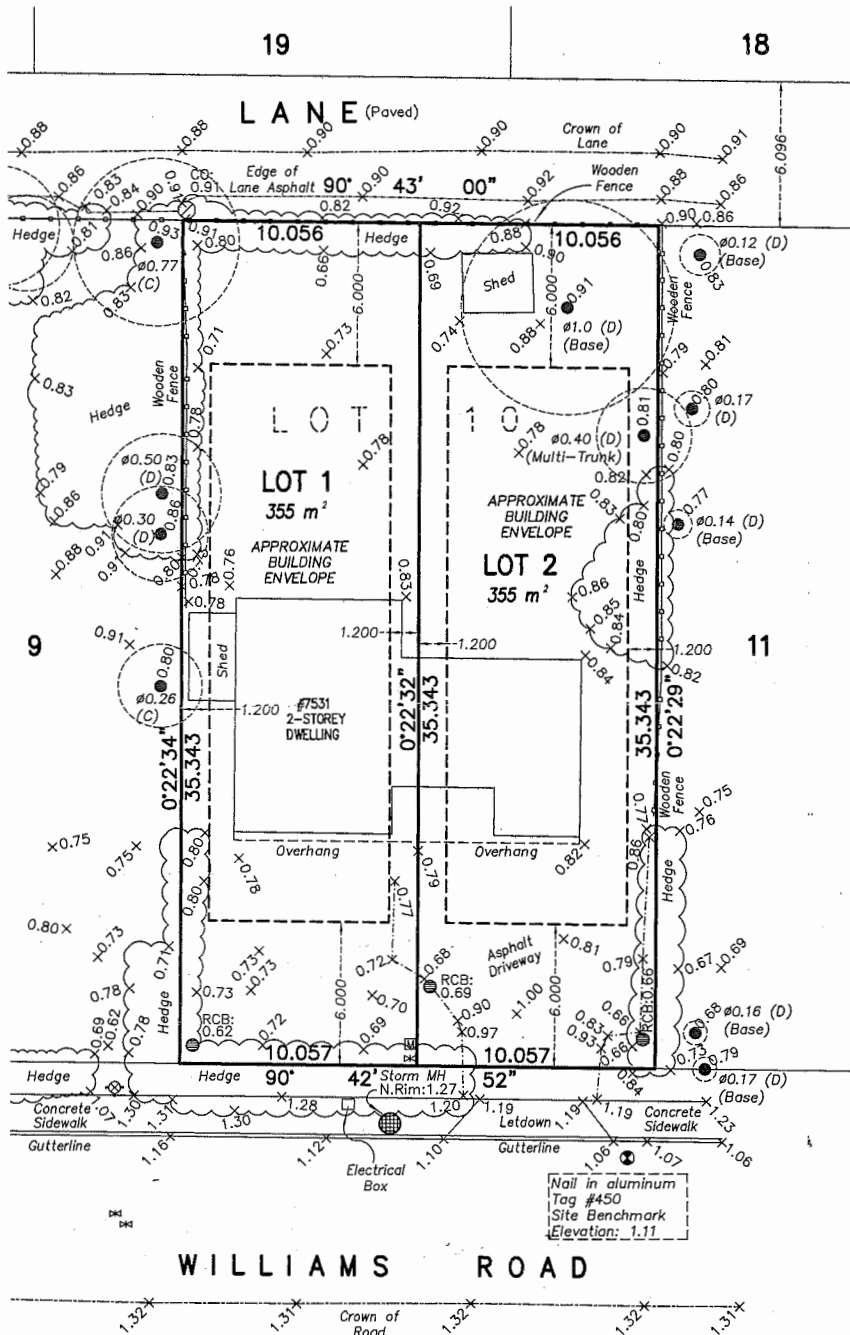
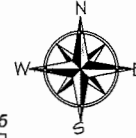
Note: Dimensions are in METRES

**TOPOGRAPHIC SURVEY AND PROPOSED SUBDIVISION OF LOT 10**  
**SECTION 29 BLOCK 4 NORTH RANGE 6 WEST**  
**NEW WESTMINSTER DISTRICT PLAN 17789**

#7531 WILLIAMS ROAD,  
 RICHMOND, B.C.  
 P.I.D. 000-441-503

SCALE: 1:200

ALL DISTANCES ARE IN METRES AND DECIMALS  
 THEREOF UNLESS OTHERWISE INDICATED



© copyright  
 J. C. Tam and Associates  
 Canada and B.C. Land Surveyor  
 115 - 8833 Odlin Crescent  
 Richmond, B.C. V6X 3Z7  
 Telephone: 214-8928  
 Fax: 214-8929  
 E-mail: office@jctam.com  
 Website: www.jctam.com  
 Job No. 6204  
 FB-287 P125-130  
 Drawn By: IO

**LEGEND:**

- (c) denotes conifer
- (D) denotes deciduous
- denotes round catch basin
- ⊕ denotes water valve
- ⊗ denotes water meter
- ⊙ denotes manhole
- ⊕ denotes cleanout
- ⊙ denotes lamp standard
- ⊙ denotes fire hydrant

**NOTE:**

Elevations shown are based on  
 City of Richmond HPN  
 Benchmark network.  
 Benchmark: HPN #202  
 Control Monument 77H4623  
 Elevation: 1.452m  
 Benchmark: HPN #204  
 Control Monument 02H2452  
 Elevation: 1.559m

**NOTE:**

Use site Benchmark Tag #450 for  
 construction elevation control.

**CERTIFIED CORRECT:**  
 LOT DIMENSION ACCORDING TO  
 FIELD SURVEY.

*Johnson C. Tam*  
 JOHNSON C. TAM, B.C.L.S.

DWG No. 6204-Topo Lot 10

PLAN-222

SEPTEMBER 16th, 2015.





**RZ 15-712649**

**Attachment 3**

Address: 7531 Williams Road

Applicant: Rick Bowal

Planning Area(s): Broadmoor

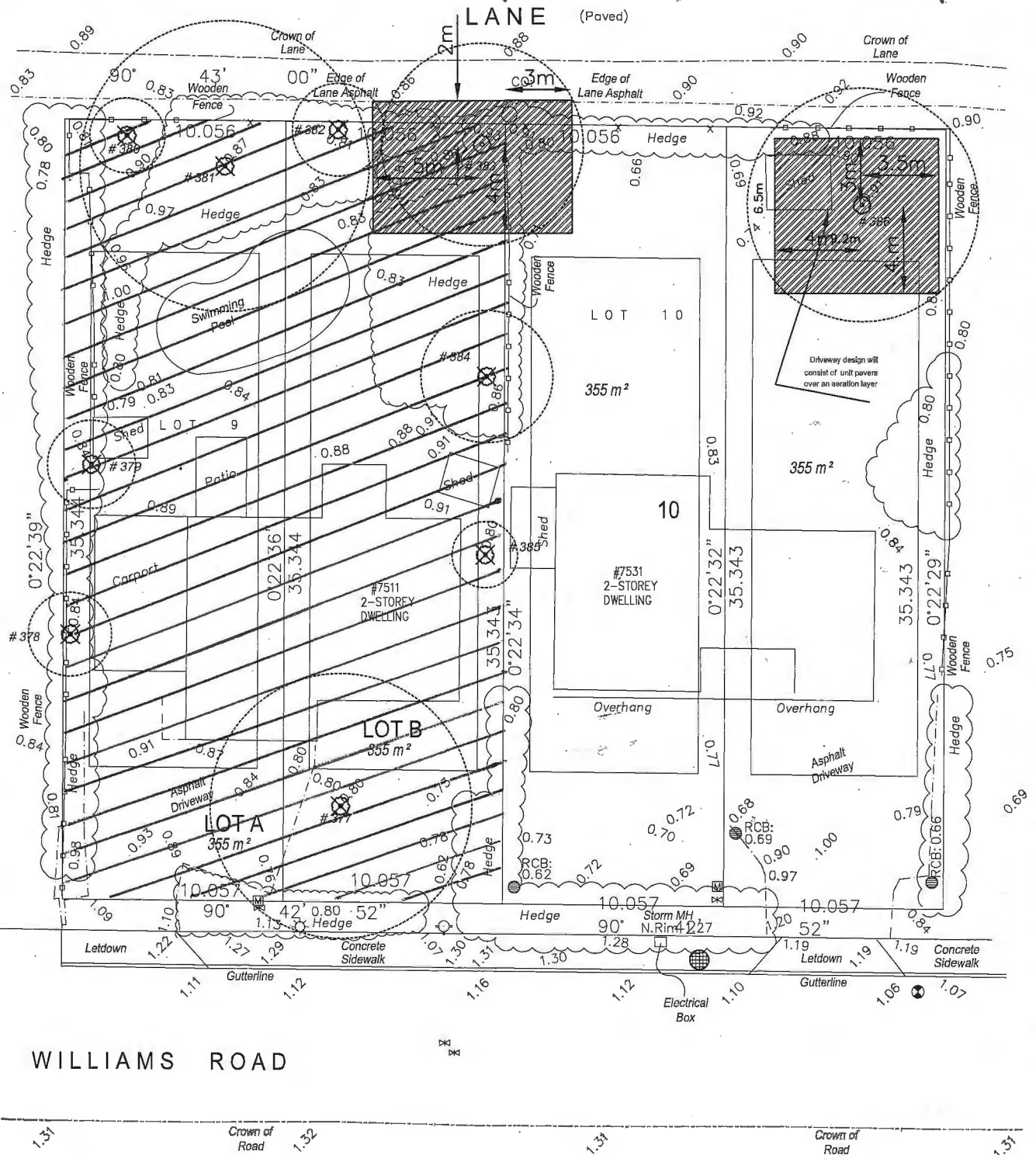
	Existing	Proposed
<b>Owner:</b>	Meena Bowal Raghubir S Bowal	To be determined
<b>Site Size (m<sup>2</sup>):</b>	710 m <sup>2</sup> (7,642.38 ft <sup>2</sup> )	Two (2) lots – each 355 m <sup>2</sup> (3,821.19 ft <sup>2</sup> )
<b>Land Uses:</b>	Single-family dwelling	Two (2) single-family lots
<b>OCP Designation:</b>	Neighbourhood Residential	No change
<b>Area Plan Designation:</b>	Low Density Residential	No change
<b>Zoning:</b>	Single Detached (RS1/E)	Compact Single Detached (RC2)
<b>Other Designations:</b>	The Arterial Road Policy identifies the subject site for redevelopment to compact lots or coach houses.	No change

On Future Subdivided Lots	Bylaw Requirement	Proposed	Variance
Floor Area Ratio:	Max. 0.55 for lot area up to 464.5 m <sup>2</sup> , plus 0.30 for lot area in excess of 454.5 m <sup>2</sup>	Max. 0.55 for lot area up to 464.5 m <sup>2</sup> , plus 0.30 for lot area in excess of 454.5 m <sup>2</sup>	none permitted
Buildable Floor Area (m <sup>2</sup> ):*	Each lot - Max. 195.25 m <sup>2</sup> (2,101.65 ft <sup>2</sup> )	Each lot - Max. 195.25 m <sup>2</sup> (2,101.65 ft <sup>2</sup> )	none permitted
Lot Coverage (% of lot area):	Buildings, Structures, & Non-porous surfaces: Max. 70%; Live plant material: Min. 20%.	Buildings, Structures, & Non-porous surfaces: Max. 70%; Live plant material: Min. 20%.	none
Lot Size (m <sup>2</sup> ):	Min. 270 m <sup>2</sup>	Each lot - 355 m <sup>2</sup>	none
Lot Dimensions (m):	Width: Min. 9.0 m Depth: Min. 24.0 m	Each lot Width: 10.06 m Depth: 35.34 m	none
Setbacks (m):	Front: Min. 6.0 m Rear: Min. 6.0 m Side: Min. 1.2 m	Front: Min. 6.0 m Rear: Min. 6.0 m Side: Min. 1.2 m	none
Height (m):	Max. 2 ½ storeys (9 m; peaked); Max. 2 storeys (7.5 m; flat)	Max. 2 ½ storeys (9 m; peaked); Max. 2 storeys (7.5 m; flat)	none
On-Site Parking Spaces:	Principal dwelling: Min. 2 spaces Secondary suite: Min. 1 space	Principal dwelling: Min. 2 spaces Secondary suite: Min. 1 space	none
Private Outdoor Space:	Min. 20 m <sup>2</sup>	Min. 20 m <sup>2</sup>	none

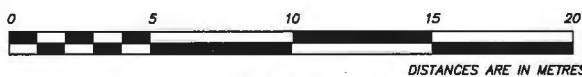
Other: Tree replacement compensation required for removal of bylaw-sized trees.

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

7531 WILLIAMS RD.



WILLIAMS ROAD



## LEGEND

- TREE TO BE RETAINED
- TREE TO BE REMOVED
- ROOT PROTECTION ZONE (RPZ)
- TREE PROTECTION BARRIER (TPB)
- REPLACEMENT TREE
- BC HYDRO OVERHEAD CONNECTION
- SANITARY CONNECTION
- STORM WATER CONNECTION
- FOSTIS GAS CONNECTION
- WATER CONNECTION

PLN - 224

ABBREVIATIONS  
S = Shared tree C = City tree O = Off-site treeGOODE ARBORICULTURE  
CONSULTING161 172nd Street, Surrey B.C.  
7783174360  
info@goodearboriculture.com

SITE ADDRESS:	7511 & 7531 Williams Rd, Richmond.
PROJECT #:	0069
DATE:	February 28, 2016
ARBORIST:	Stuart Goode
SCALE:	1:250
REVISION #:	





**Address:** 7531 Williams Road

**File No.:** RZ 15-712649

**Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 9599, the applicant is required to complete the following:**

1. Submission of a Landscape Plan, prepared by a Registered Landscape Architect, to the satisfaction of the Director of Development, and deposit of a Landscaping Security based on 100% of the cost estimate provided by the Landscape Architect (including trees, soft and hard materials, fencing, installation costs, and a 10% contingency). The Landscape Plan should:
  - comply with the guidelines of the OCP's Arterial Road Policy and should not include hedges along the front property line;
  - include a mix of coniferous and deciduous trees (minimum 6 cm deciduous caliper or 3.5 m high conifers);
  - include the dimensions of tree protection fencing as illustrated on the Tree Retention Plan attached to this report, that the driveway must be treated with special measures such as unit pavers over aeration tubes below, as identified in the Arborist's Report.
2. Submission of a Contract entered into between the applicant and a Certified Arborist for supervision of any on-site works conducted within the tree protection zone of Tree # 386 to be retained. The Contract should include the scope of work to be undertaken, including: the proposed number of site 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 assessment report to the City for review.
3. Submission of a Tree Survival Security to the City in the amount of \$10,000 for Tree # 386. The security will be held until construction and landscaping on-site is completed, the post-construction impact assessment report is received, and a site inspection is conducted to ensure that the tree has not been negatively impacted by the development. The City may retain a portion of the security for a one-year maintenance period to ensure the tree has survived.
4. Registration of a flood indemnity covenant on title.
5. Registration of a legal agreement on Title to ensure that no final Building Permit inspection is granted until a secondary suite is constructed on one (1) of the two (2) future lots, to the satisfaction of the City in accordance with the BC Building Code and the City's Zoning Bylaw.
6. The City's acceptance of the applicant's voluntary contribution to the City's Affordable Housing Reserve Fund of \$2.00 per buildable square foot on the remaining lot proposed (i.e. \$4,203).

**Prior to Demolition Permit\* issuance, the applicant must complete the following requirements:**

- Installation of tree protection fencing around Tree # 386, which is 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 must remain in place until construction and landscaping on-site is completed. Tree protection fencing must be installed at a minimum of 4.0 m out from the base of the tree to the west and south, 3.0 m out from the base of the tree to the north, and 3.5 m out from the base of the tree to the east.

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

- Pay Development Cost Charges (City and GVS&DD), School Site Acquisition Charge, Address Assignment Fees, and Servicing Costs for the scope of works described below (including but not limited to):

### *Water Works*

- a) Using the OCP Model, there is 442 L/s of water available at a 20 psi residual at the Williams Rd frontage. Based on your proposed development, your site requires a minimum fire flow of 120 L/s. At Building Permit stage, 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 and Building designs.
- b) At the developer's cost, the City is to:
  - Cut and cap the existing water service connection along the Williams Rd frontage.
  - Install two (2) new water service connections with meters and meter boxes.

### *Storm Sewer Works*

- a) The developer is required to:
  - Utilize the existing storm service connections at both the southeast and the southwest property lines and upgrade inspection chambers as required.
  - Pay cash-in-lieu for lane drainage upgrades, see "Frontage Improvements" (below).
- b) At the developer's cost, the City is to remove the inspection chamber located in the centre of the property at its south property line, and to cut and cap its lead at the inspection chamber located in the property's southwest corner.

### *Sanitary Sewer Works*

- a) At the developer's cost, the City is to:
  - Cut and cap, at the inspection chamber, the existing sanitary service lead at the northwest corner of the subject site.
  - Install a new sanitary service connection, complete with inspection chamber and dual service leads, at the common property line of the newly subdivided lots.

### *Frontage Improvements*

- a) The developer is required to pay, in keeping with the Subdivision and Development Bylaw No. 8751, a \$31,990.80 cash-in-lieu contribution for the design and construction of lane upgrades (asphalt paving, drainage, concrete curb/gutter, lane lighting).
- b) At the developer's cost, the City is to close the existing driveway crossing within the Williams Rd frontage and restore the sidewalk and boulevard to match the condition to the east and west of the subject site.
- c) The developer is required to Coordinate with BC Hydro, Telus and other private service providers:
  - To underground Hydro service lines.
  - When relocating/modifying any of the existing power poles and/or guy wires within the property frontages.
  - To determine if above ground structures are required and coordinate their locations (e.g. Vista, PMT, LPT, Shaw cabinets, Telus Kiosks, etc).

### *General Items*

- a) The developer is required to enter into, if required, additional legal agreements, as determined via the subject development's Subdivision, Servicing Agreement(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 Building Permit\* issuance, the applicant must complete the following requirements:**

- Submission of a Site Plan that has a building setback from the north property line of a minimum 9.5 m in order to accommodate vehicle access from the rear lane to the dwelling while retaining Tree # 386.
- Submission of a Construction Parking and Traffic Management Plan to the Transportation Department. The 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.
- 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.

(signed original on file)

---

Signed

---

Date





**Richmond Zoning Bylaw 8500  
Amendment Bylaw 9599 (RZ 15-712649)  
7531 Williams Road**

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 **"COMPACT SINGLE DETACHED (RC2)"**.

P.I.D. 000-441-503

Lot 10 Section 29 Block 4 North Range 6 West New Westminster District Plan 17789

2. This Bylaw may be cited as **"Richmond Zoning Bylaw 8500, Amendment Bylaw 9599"**.

FIRST READING

A PUBLIC HEARING WAS HELD ON

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

ADOPTED

\_\_\_\_\_  
MAYOR

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

CITY OF RICHMOND
APPROVED by <i>BK</i>
APPROVED by Director or Solicitor <i>W</i>



# City of Richmond

## Report to Committee Planning and Development Division

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

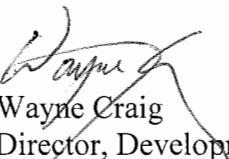
**Date:** September 12, 2016

**File:** RZ 15-712653

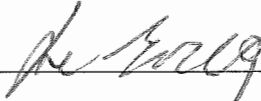
**Re:** Application by Rick Bowal for Rezoning at 7511 Williams Road from Single Detached (RS1/E) to Compact Single Detached (RC2)

### Staff Recommendation

That Richmond Zoning Bylaw 8500, Amendment Bylaw 9600, for the rezoning of 7511 Williams Road from "Single Detached (RS1/E)" to "Compact Single Detached (RC2)", be introduced and given first reading.

  
Wayne Craig  
Director, Development

CL:blg  
Att. 5

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

## **Staff Report**

### **Origin**

Rick Bowal has applied to the City of Richmond for permission to rezone the property at 7511 Williams Road from the “Single Detached (RS1/E)” zone to the “Compact Single Detached (RC2)” zone, to permit the property to be subdivided to create two (2) lots with vehicle access to/from the rear lane (Attachment 1). A survey of the subject site is included in Attachment 2. The site currently contains a single detached dwelling, which will be demolished at future development stage.

### **Findings of Fact**

A Development Application Data Sheet providing details about the development proposal is attached (Attachment 3).

### **Surrounding Development**

Existing development immediately surrounding the subject site is as follows:

- To the north, immediately across the rear lane, are two (2) lots zoned “Single Detached (RS1/E)”, fronting Bates Road (7460 and 7480 Bates Road). There is an existing single detached dwelling at 7460 Bates Road, and there is currently a new dwelling under construction at 7480 Bates Road.
- To the south, immediately across Williams Road, are lots zoned “Coach House (ZS12) – Broadmoor” (7442 and 7446 Williams Road); both of which contain new dwellings under construction.
- To the east, is a dwelling on a lot zoned “Single Detached (RS1/E)” at 7531 Williams Road, which is the subject of a rezoning application to the “Compact Single Detached (RC2)” zone (RZ 15-712649).
- To the west, is an existing non-conforming duplex on a lot zoned “Single Detached (RS1/E)”.

### **Related Policies & Studies**

#### **Official Community Plan/Broadmoor Area Central West Sub-Area Plan**

The Official Community Plan (OCP) land use designation for the subject site is “Neighbourhood Residential”. The land use designation for the subject site in the Broadmoor Area Central West Sub-Area Plan is “Low Density Residential”.

This redevelopment proposal is consistent with these designations.

**Arterial Road Policy**

The Arterial Road Policy identifies the subject site for redevelopment to compact lot or coach house lots, with rear lane access. This redevelopment proposal is consistent with the Arterial Road Policy designation.

**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.

Should the Planning Committee endorse this application and Council 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****Site Access**

Vehicle access to the proposed lots is to be from the rear lane. Vehicle access to the proposed lots from Williams Road is not permitted, in accordance with Residential Lot (Vehicular) Access Regulation Bylaw No. 7222. The existing driveway crossing on Williams Road must be closed and the boulevard restored to match the current condition to the east and west.

**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 Report assesses eight (9) bylaw-sized trees on the subject property.

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

- One (1) Austrian Pine (Tree # 383) located in the northeast corner of the subject site is in good condition and should be retained and protected as it is not in conflict with the proposed development. The tree must be retained and protected as per City of Richmond Tree Protection Information Bulletin TREE-03; with a minimum tree protection zone of 5.0 m out from the base of the tree to the west, 4.0 m out from the base of the tree to the south, 2.0 m out from the base of the tree to the north, and from the base of the tree to 3.0 m east of the property line at 7531 Williams Road.

- Eight (8) trees; specifically Trees # 377, 378, 379, 380, 381, 382, 384, 385, are either dying (sparse canopy foliage), have been previously topped or exhibit structural defects such as cavities at the main branch union and co-dominant stems with inclusions. As a result, these trees are not good candidates for retention and should be removed and replaced.
- Replacement trees should be specified at 2:1 ratio as per the Official Community Plan (OCP).

### *Tree Protection*

The applicant has submitted a tree retention plan showing Tree # 383 to be retained and the tree protection zone required to protect the tree during development stage (Attachment 4). To ensure that Tree # 383 is 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 the tree protection zone. 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 report to the City for review.
  - A survival security in the amount of \$10,000. The security will be held until construction and landscaping on-site is completed, the post-construction impact assessment report is received, and a site inspection is conducted to ensure that the tree has not been negatively impacted by the development. The City may retain a portion of the security for a one-year maintenance period to ensure the tree has survived.
- Prior to demolition of the existing dwelling on the subject site, installation of tree protection fencing around all trees to be retained as shown on the Tree Retention Plan. 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*

The applicant wishes to remove eight (8) on-site trees (Trees # 377, 378, 379, 380, 381, 382, 384, 385). The 2:1 replacement ratio would require a total of 16 replacement trees. Due to the compact size of the future lots and the effort required by the applicant to retain Tree # 383 in the rear yard, staff recommend that only 12 replacement trees be required. The applicant has agreed to plant and maintain two (2) trees on each lot proposed; for a total of four (4) trees, and to provide a contribution in the amount of \$4,000 to the City's Tree Compensation Fund in-lieu of planting the remaining eight (8) required replacement trees on-site. The required replacement trees are to be of the following minimum sizes; based on the size of the trees being removed as per Tree Protection Bylaw No. 8057:

No. of Replacement Trees	Minimum Caliper of Deciduous Replacement Tree	Minimum Height of Coniferous Replacement Tree
4	11 cm	6 m



Consistent with the Landscape Plan guidelines in the Arterial Road Policy, and to ensure that the front yards of the proposed lots are enhanced, the applicant is required to submit the following prior to final adoption of the rezoning bylaw:

- A Landscape Plan and cost estimate, prepared by a Registered Landscape Architect, to the satisfaction of the Director of Development. The Landscape Plan should:
  - Comply with the guidelines of the OCP's Arterial Road Policy and should not include hedges along the front property line.
  - Include a mix of coniferous and deciduous trees.
  - Include the dimensions of tree protection fencing as identified in the Tree Retention Plan attached to this report.
- A Landscaping Security based on 100% of the cost estimate for the landscape works, prepared by the Registered Landscape Architect (including all trees, soft and hard materials proposed, fencing, installation costs, and a 10% contingency).

### **Affordable Housing Strategy**

The City's Affordable Housing Strategy for single-family rezoning applications requires:

a) secondary suite(s) on 100% of new lots proposed; b) secondary suite(s) on 50% of new lots proposed and a cash-in-lieu contribution to the City's Affordable Housing Reserve Fund based on \$2.00/ft<sup>2</sup> of the total buildable area on the remaining lots; or c) in cases where a secondary suite cannot be accommodated, a cash-in-lieu contribution to the City's Affordable Housing Reserve Fund based on \$2.00/ft<sup>2</sup> of the total buildable area on 100% of new lots proposed.

Consistent with the Affordable Housing Strategy, the applicant proposes a secondary suite on one (1) of the two (2) lots proposed and a cash-in-lieu contribution of \$4,203 to the City's Affordable Housing Reserve Fund for the remaining lot. Prior to rezoning, the applicant is required to register a legal agreement on Title, stating that no final Building Permit inspection will be granted until the secondary suite is constructed to the satisfaction of the City in accordance with the BC Building Code and Richmond Zoning Bylaw 8500. This agreement will be discharged from Title (at the initiation of the applicant) on the lot where the secondary suite is not required by the Affordable Housing Strategy after the requirements are satisfied.

### **Site Servicing and Frontage Improvements**

There are no servicing concerns with rezoning.

At future Subdivision stage, the applicant is required to:

- Pay Development Cost Charges (City and GVS&DD), School Site Acquisition Charge, Address Assignment Fees and Servicing Costs for the scope of works described in Attachment 5.
- Submit a cash-in-lieu contribution in the amount of \$31,990.80 for the design and construction of lane improvements, in accordance with the Subdivision and Development Bylaw No. 8751.

At future Building Permit stage, the applicant is required to complete the servicing requirements described in Attachment 5.

**Financial 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 application is to rezone the property at 7511 Williams Road from the "Single Detached (RS1/E)" zone to the "Compact Single Detached (RC2)" zone, to permit the property to be subdivided to create two (2) lots with vehicle access to the rear lane.

This rezoning application complies with the land use designations and applicable policies for the subject sites that are contained within the OCP.

The list of rezoning considerations is included in Attachment 5, which has been agreed to by the applicant (signed concurrence on file).

It is recommended that Zoning Bylaw 8500, Amendment Bylaw 9600 be introduced and given first reading.



Cynthia Lussier  
Planner 1  
(604-276-4108)

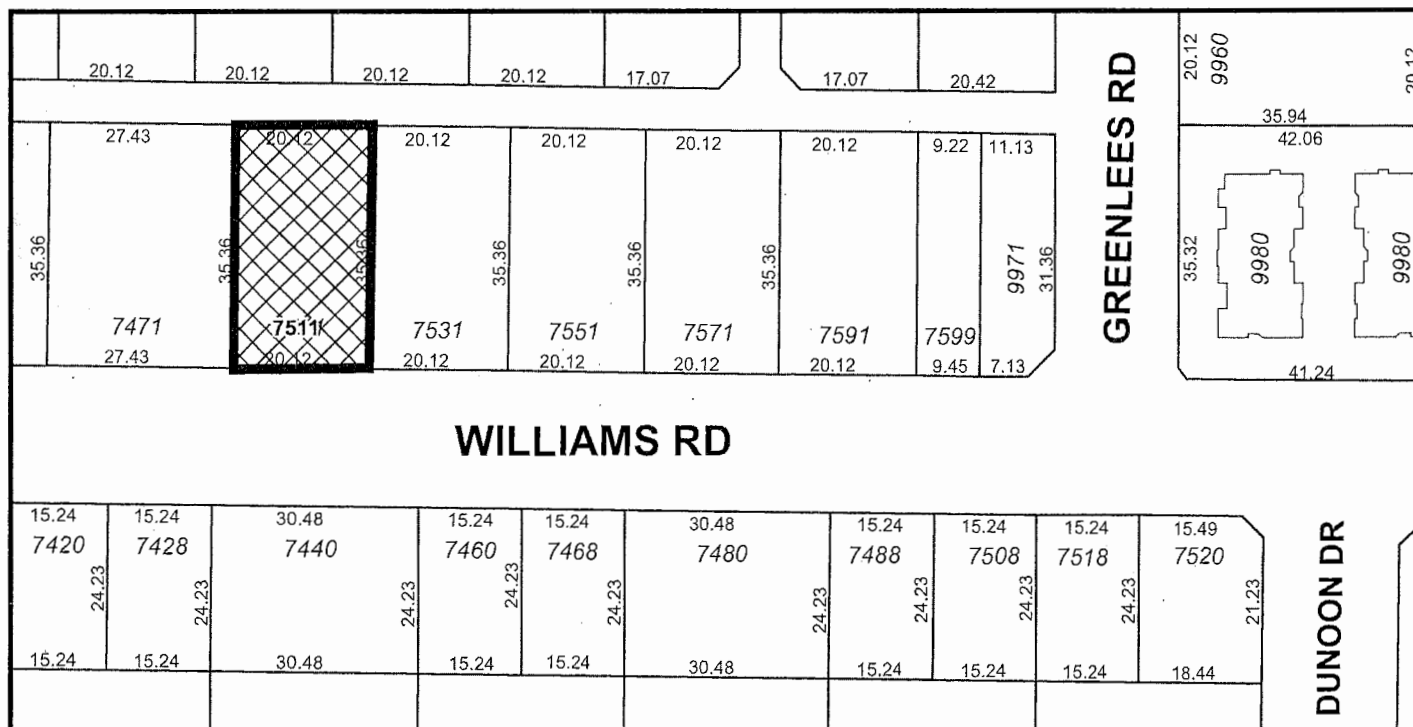
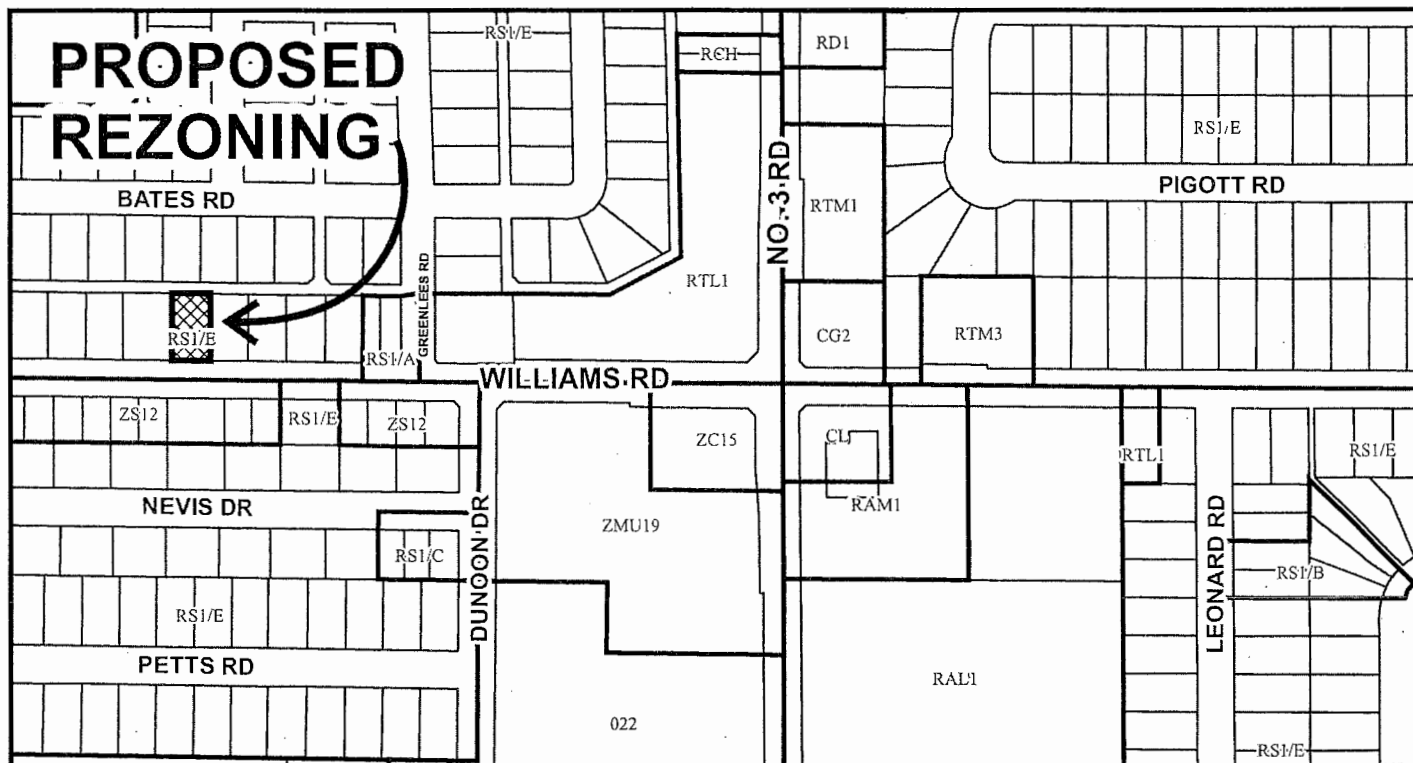
CL:blg

- Attachment 1: Location Map/Aerial Photo
- Attachment 2: Site Survey
- Attachment 3: Development Application Data Sheet
- Attachment 4: Proposed Tree Retention Plan
- Attachment 5: Rezoning Considerations



# City of Richmond

ATTACHMENT 1



## RZ 15-712653

PLN - 235

Original Date: 12/14/15

Revision Date:

Note: Dimensions are in METRES





# City of Richmond



**RZ 15-712653**

**PLN - 236**

Original Date: 12/14/15

Revision Date:

Note: Dimensions are in METRES

## TOPOGRAPHIC SURVEY AND PROPOSED SUBDIVISION OF LOT 9

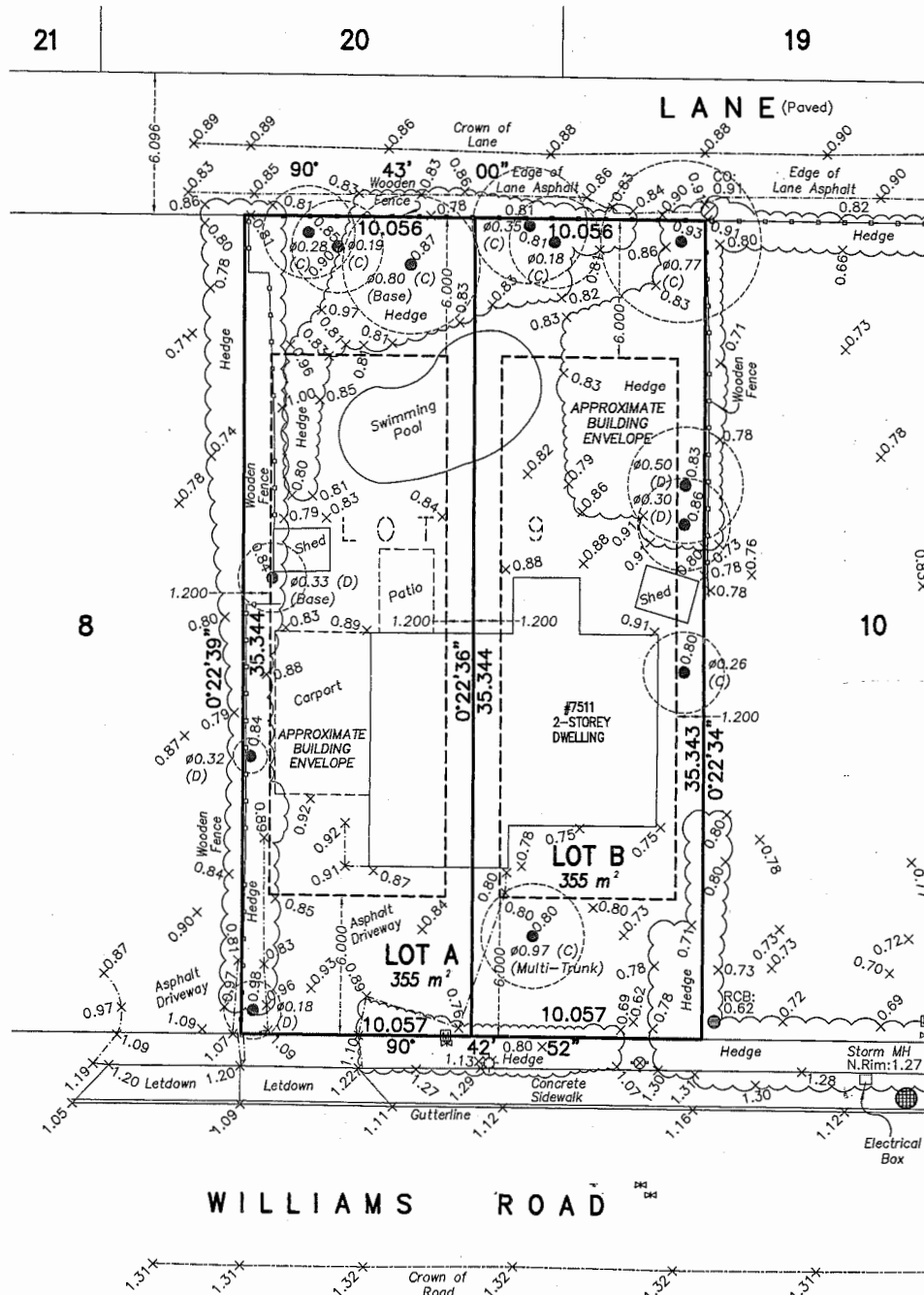
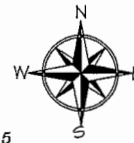
## SECTION 29 BLOCK 4 NORTH RANGE 6 WEST

## NEW WESTMINSTER DISTRICT PLAN 17789

#7511 WILLIAMS ROAD,  
RICHMOND, B.C.  
P.I.D. 010-320-911

SCALE: 1:200

ALL DISTANCES ARE IN METRES AND DECIMALS  
THEREOF UNLESS OTHERWISE INDICATED



© copyright

J. C. Tam and Associates  
Canada and B.C. Land Surveyor  
115 - 8833 Odlin Crescent  
Richmond, B.C. V6X 3Z7  
Telephone: 214-8928  
Fax: 214-8929  
E-mail: office@jctam.com  
Website: www.jctam.com  
Job No. 6204  
FB-287 P125-130  
Drawn By: IO

## NOTE:

Use site Benchmark Tag #450 for construction elevation control.

## LEGEND:

- (C) denotes conifer
- (D) denotes deciduous
- denotes round catch basin
- ⊕ denotes water valve
- ⊗ denotes water meter
- ⊙ denotes manhole
- ⊖ denotes cleanout
- ⊕ denotes lamp standard
- ⊙ denotes fire hydrant

## NOTE:

Elevations shown are based on  
City of Richmond HPN  
Benchmark network.  
Benchmark: HPN #202  
Control Monument 77H4623  
Elevation: 1.452m  
Benchmark: HPN #204  
Control Monument 02H2452  
Elevation: 1.552m

**CERTIFIED CORRECT:**  
LOT DIMENSION ACCORDING TO  
FIELD SURVEY.

*Johnson C. Tam*  
JOHNSON C. TAM, B.C.L.S.  
SEPTEMBER 16th, 2015.

DWG No. 6204-Topo Lot 9

PLN 237





**RZ 15-712653**

**Attachment 3**

Address: 7511 Williams Road

Applicant: Rick Bowal

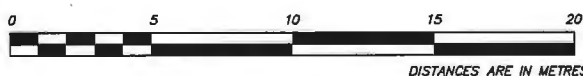
Planning Area(s): Broadmoor

	Existing	Proposed
<b>Owner:</b>	Heritage Lane Homes Ltd.	To be determined
<b>Site Size (m<sup>2</sup>):</b>	710 m <sup>2</sup> (7,642.38 ft <sup>2</sup> )	Two (2) lots – each 355 m <sup>2</sup> (3,821.19 ft <sup>2</sup> )
<b>Land Uses:</b>	Single-family dwelling	Two (2) single-family lots
<b>OCP Designation:</b>	Neighbourhood Residential	No change
<b>Area Plan Designation:</b>	Low Density Residential	No change
<b>Zoning:</b>	Single Detached (RS1/E)	Compact Single Detached (RC2)
<b>Other Designations:</b>	The Arterial Road Policy identifies the subject site for redevelopment to compact lots or coach houses.	No change











On Future Subdivided Lots	Bylaw Requirement	Proposed	Variance
Floor Area Ratio:	Max. 0.55 for lot area up to 464.5 m <sup>2</sup> , plus 0.30 for lot area in excess of 454.5 m <sup>2</sup>	Max. 0.55 for lot area up to 464.5 m <sup>2</sup> , plus 0.30 for lot area in excess of 454.5 m <sup>2</sup>	none permitted
Buildable Floor Area (m <sup>2</sup> )*:	Each lot - Max. 195.25 m <sup>2</sup> (2,101.65 ft <sup>2</sup> )	Each lot - Max. 195.25 m <sup>2</sup> (2,101.65 ft <sup>2</sup> )	none permitted
Lot Coverage (% of lot area):	Buildings, Structures, & Non-porous surfaces: Max. 70%; Live plant material: Min. 20%.	Buildings, Structures, & Non-porous surfaces: Max. 70%; Live plant material: Min. 20%.	none
Lot Size (m <sup>2</sup> ):	Min. 270 m <sup>2</sup>	Each lot - 355 m <sup>2</sup>	none
Lot Dimensions (m):	Width: Min. 9.0 m Depth: Min. 24.0 m	Each lot Width: 10.06 m Depth: 35.34 m	none
Setbacks (m):	Front: Min. 6.0 m Rear: Min. 6.0 m Side: Min. 1.2 m	Front: Min. 6.0 m Rear: Min. 6.0 m Side: Min. 1.2 m	none
Height (m):	Max. 2 ½ storeys (9 m; peaked); Max. 2 storeys (7.5 m; flat)	Max. 2 ½ storeys (9 m; peaked); Max. 2 storeys (7.5 m; flat)	none
On-Site Parking Spaces:	Principal dwelling: Min. 2 spaces	Principal dwelling: Min. 2 spaces	none
	Secondary suite: Min. 1 space	Secondary suite: Min. 1 space	
Private Outdoor Space:	Min. 20 m <sup>2</sup>	Min. 20 m <sup>2</sup>	none

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

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



### LEGEND

- |   |                               |   |                              |
|---|-------------------------------|---|------------------------------|
|  | TREE TO BE RETAINED           |  | BC HYDRO OVERHEAD CONNECTION |
|  | TREE TO BE REMOVED            |  | SANITARY CONNECTION          |
|  | ROOT PROTECTION ZONE (RPZ)    |  | STORM WATER CONNECTION       |
|  | TREE PROTECTION BARRIER (TPB) |  | FOSTIS GAS CONNECTION        |
|  | REPLACEMENT TREE              |  | WATER CONNECTION             |
- PLAN - 239**
- ABBREVIATIONS

WATER CONNECT  
**PLN - 239**

free, C = City free, O = Off-site free

**GOODE ARBORICULTURE  
CONSULTING**

161 172nd Street, Surrey B.C.  
7783174360  
info@goodearboriculture.com

<b>SITE ADDRESS:</b> 7511 & 7531 Williams Rd, Richmond.	
<b>PROJECT #:</b>	0089
<b>DATE:</b>	February 29, 2016
<b>ARBORIST:</b>	Stuart Goode
<b>SCALE:</b>	1:250
<b>REVISION #:</b>	





**Address:** 7511 Williams Road

**File No.:** RZ 15-712653

**Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 9600, the developer is required to complete the following:**

1. Submission of a Landscape Plan, prepared by a Registered Landscape Architect, to the satisfaction of the Director of Development, and deposit of a Landscaping Security based on 100% of the cost estimate provided by the Landscape Architect (including trees, soft and hard materials, fencing, installation costs, and a 10% contingency). The Landscape Plan should:
  - Comply with the guidelines of the OCP's Arterial Road Policy and should not include hedges along the front property line.
  - Include the dimensions of tree protection fencing as illustrated on the Tree Retention Plan attached to this report.
  - Include a mix of coniferous and deciduous trees with the following minimum sizes, based on the size of the trees being removed as per Tree Protection Bylaw No. 8057:

No. of Replacement Trees	Minimum Caliper of Deciduous Replacement Tree	Minimum Height of Coniferous Replacement Tree
4	11 cm	6 m

2. The City's acceptance of the applicant's voluntary contribution in the amount of \$4,000 to the City's Tree Compensation Fund in-lieu of planting the remaining required eight (8) replacement trees.
3. Submission of a Contract entered into between the applicant and a Certified Arborist for supervision of any on-site works conducted within the tree protection zone of Tree # 383 to be retained. The Contract should include the scope of work to be undertaken, including: the proposed number of site 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 assessment report to the City for review.
4. Submission of a Tree Survival Security to the City in the amount of \$10,000 for Tree # 383. The security will be held until construction and landscaping on-site is completed, the post-construction impact assessment report is received, and a site inspection is conducted to ensure that the tree has not been negatively impacted by the development. The City may retain a portion of the security for a one-year maintenance period to ensure the tree has survived.
5. Registration of a flood indemnity covenant on Title.
6. Registration of a legal agreement on Title to ensure that no final Building Permit inspection is granted until a secondary suite is constructed on one (1) of the two (2) future lots, to the satisfaction of the City in accordance with the BC Building Code and the City's Zoning Bylaw.
7. The City's acceptance of the applicant's voluntary contribution to the City's Affordable Housing Reserve Fund of \$2.00 per buildable square foot on the remaining lot proposed (i.e. \$4,203).

**Prior to Demolition Permit\* issuance, the applicant must complete the following requirements:**

- Installation of tree protection fencing around Tree # 383, which is 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 must remain in place until construction and landscaping on-site is completed. Tree protection fencing must be installed at a minimum of 5.0 m out from the base of the tree to the west, 4.0 m out from the base of the tree to the south, 2.0 m out from the base of the tree to the north, and from the base of the tree to 3.0 m east of the property line at 7531 Williams Road.

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

- Pay Development Cost Charges (City and GVS&DD), School Site Acquisition Charge, Address Assignment Fees, and Servicing Costs for the scope of works described below (including but not limited to):

*Water Works*

- a) Using the OCP Model, there is 442 L/s of water available at a 20 psi residual at the Williams Road frontage. Based on your proposed development, your site requires a minimum fire flow of 120 L/s. At Building Permit stage, 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 on-site fire protection. Calculations must be signed and sealed by a Professional Engineer and be based on Building Permit Stage and Building designs.
- b) At the developer's cost, the City is to:
  - Cut and cap the existing water service connection along the Williams Road frontage.
  - Install two (2) new water service connections with meters and meter boxes.

*Storm Sewer Works*

- a) The developer is required to:
  - Utilize the existing storm service connections at both the southwest and southeast property lines and upgrade inspection chambers as required.
  - Pay cash-in-lieu for lane drainage upgrades; see "Frontage Improvements" (below).
- b) At the developer's cost, the City is to cut and cap one (1) existing storm sewer connection and remove the inspection chamber along the Williams Road frontage.

*Sanitary Sewer Works*

- a) At the developer's cost, the City is to install a new sanitary service connection, complete with inspection chamber and dual service leads, at the adjoining property line of the newly subdivided lots.

*Frontage Improvements*

- a) The developer is required to pay, in keeping with the Subdivision and Development Bylaw No. 8751, a \$31,990.80 cash-in-lieu contribution for the design and construction of lane upgrades (asphalt paving, drainage, concrete curb/gutter, lane lighting).
- b) At the developer's cost, the City is to close the existing driveway crossing within the Williams Road frontage and restore the sidewalk and boulevard to match the condition to the east and west of the subject site.
- c) The developer is required to Coordinate with BC Hydro, Telus and other private service providers:
  - To underground Hydro service lines.
  - When relocating/modifying any of the existing power poles and/or guy wires within the property frontages.
  - To determine if above ground structures are required and coordinate their locations (e.g. Vista, PMT, LPT, Shaw cabinets, Telus Kiosks, etc.).

*General Items*

- a) The developer is required to enter into, if required, additional legal agreements, as determined via the subject development's Subdivision, Servicing Agreement(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 Building Permit\* issuance, the applicant must complete the following requirements:**

- Submission of a Construction Parking and Traffic Management Plan to the Transportation Department. The 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.
- 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.

(signed original on file)

---

Signed

---

Date





**Richmond Zoning Bylaw 8500  
Amendment Bylaw 9600 (RZ 15-712653)  
7511 Williams Road**

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 **"COMPACT SINGLE DETACHED (RC2)"**.

P.I.D. 010-320-911

Lot 9 Section 29 Block 4 North Range 6 West New Westminster District Plan 17789

2. This Bylaw may be cited as **"Richmond Zoning Bylaw 8500, Amendment Bylaw 9600"**.

FIRST READING

A PUBLIC HEARING WAS HELD ON

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

ADOPTED

_____
_____
_____
_____
_____
_____

CITY OF RICHMOND
APPROVED by <i>BK</i>
APPROVED by Director or Solicitor <i>al</i>

\_\_\_\_\_  
MAYOR

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



# City of Richmond

## Report to Committee Planning and Development Division

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

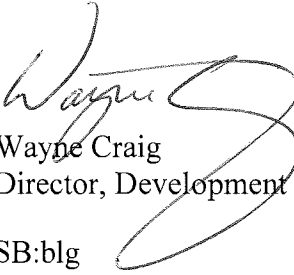
**Date:** September 7, 2016

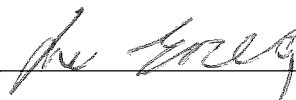
**File:** ZT 16-737142

**Re:** Application by Jason Minard for a Zoning Text Amendment at  
5411 Moncton Street to Add "Adult Day Care" as a Permitted Use to the  
Congregate Housing (ZR4) – Steveston Zone

### Staff Recommendation

1. That Richmond Zoning Bylaw 8500, Amendment Bylaw 9607, to amend the "Congregate Housing (ZR4) – Steveston" zone to allow an adult day care program as a secondary permitted use along with congregate care in the existing facility and amended parking requirements for the facility, be introduced and given first reading.

  
Wayne Craig  
Director, Development  
SB:blg  
Att. 4

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Community Social Development	<input checked="" type="checkbox"/>	

## **Staff Report**

### **Origin**

Jason Minard of dys architecture has applied on behalf of S.U.C.C.E.S.S. to the City of Richmond to amend the site specific “Congregate Housing (ZR4) – Steveston” zone by adding Adult Day Care as a secondary permitted use at 5411 Moncton Street for the existing congregate care facility on the subject site (Attachment 1).

The application also includes amendments to the site specific ZR4 zone to introduce a definition for adult day care use and amendments to the parking requirements.

### **Findings of Fact**

A development application data sheet providing details about the development proposal is attached as Attachment 2.

### **History**

On February 27, 2006, Council approved the original rezoning (RZ 05-292498) and Development Permit (DP 05-300965) for a 50-unit, two-storey congregate housing building on the former Austin Harris Elementary School site at 5411 Moncton Street.

Affordable assisted living is provided for 50 seniors in the S.U.C.C.E.S.S. Austin Harris Residence, operated by the S.U.C.C.E.S.S. Multi-level Care Society on a property owned by the Provincial Rental Housing Corporation.

Vancouver Coastal Health has identified a need for Adult Day Care program space in Richmond. S.U.C.C.E.S.S. is pursuing the subject Zoning Text Amendment application to allow them to be able to contract with Vancouver Coastal Health to provide a 25-space Adult Day Care program in the existing congregate care facility.

### **Surrounding Development**

Existing development immediately surrounding the subject site is as follows:

- To the North, are two (2) single-family dwellings fronting onto Flamingo Court on lots zoned “Single Detached (RS1/E)” and a pedestrian pathway connecting to Plover Drive and Kingfisher Drive.
- To the South, immediately across Moncton Street is: Trites Road; a single-family dwelling fronting onto Trites Road on a lot zoned “Single Detached (RS1/B)”;
- To the East, are one (1) single-family dwelling fronting onto Moncton Street on a lot zoned “Single Detached (RS1/E)” and five (5) single-family dwellings fronting onto Plover Drive on lots subject to Land Use Contract 032.
- To the West, are one (1) single-family dwelling fronting onto Moncton Street on a lot zoned “Single Detached (RS1/B)”;

Osprey Court on lots zoned “Single Detached (RS1/B)”; and a pedestrian pathway connecting to Osprey Court.

## **Related Policies & Studies**

### **Official Community Plan/Steveston Area Plan**

The 2041 OCP Land Use Map designation for the subject site is “Apartment Residential”. The Steveston Area Land Use Map designation for the subject site is “Multiple-Family”. These land use designations allow for principal uses of townhouses and apartments. Seniors congregate care, intermediated care, assisted living, etc. are also permitted under the designation. This proposal is consistent with these land use designations.

### **Public Consultation**

A Zoning Text Amendment sign has been installed on the subject property. Staff have not received any comments from the public about the Zoning Text Amendment application in response to the placement of the Zoning Text Amendment sign on the property.

Should the Planning Committee endorse this application and Council grant first reading to the Zoning Text Amendment Bylaw, the bylaw would be forwarded to a Public Hearing; where any area resident or interested party would have an opportunity to comment.

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

## **Analysis**

### **Text Amendment to the “Congregate Housing (ZR4) – Steveston” Zone**

The ZR4 zone is a site specific zone that only applies to the subject site at 5411 Moncton Street. The zone is proposed to be amended to: allow adult day care as a secondary permitted use; include a new land use definition for adult day care; include appropriate parking requirements for the proposed adult day care and for the existing congregate care facility.

The applicant has identified interior renovations to accommodate a new 25-space adult day care without impacting the congregate care dwelling units of the existing 50 residents.

Adult day care use is intended to provide activity programming that meets the needs and interests of adults with illness and/or disability to support their physical, their emotional health and to support their care givers. For the purposes of the ZR4 zone, the proposed definition drafted by staff is:

**“Adult day care** means a non-residential supervised program meeting the needs of adults who have physical challenges, cognitive challenges and/or chronic illnesses and is distinct from **community care facility, major; community care facility, minor; and health service, major** uses which permit residential care.”

The applicant has submitted a Transportation Engineer's parking study to determine the appropriate number of parking spaces for congregate care residents and for both employees and pick-up/drop-off for the proposed adult day care program. Although there appeared to be an oversupply of parking spaces on the subject site, the parking demand for adult day care was unknown.

As a result of the parking study, the parking requirements in the ZR4 zone are proposed to be amended. The proposed parking requirement for congregate care residents would be reduced from 0.2 to 0.1 parking spaces for each dwelling unit. Currently, only one (1) resident has a car parked on the subject site, although the proposed reduced rate would provide a total of five (5) resident parking spaces for future potential resident needs. The parking requirement for congregate care visitors and employees remains the same at 0.2 parking spaces for each dwelling unit for a total of ten (10) parking spaces for visitors' and employee parking combined use. The parking requirement for adult day care employees would be at the rate of 0.2 parking spaces for each employee for a total of five (5) parking spaces. The parking requirement for adult day care drop-off and pick-up would be at the rate of 0.2 parking spaces for each adult in care for a total of five (5) parking spaces.

To accommodate the required parking for the existing 50 congregate care dwelling units and the proposed 25-space adult day care, the applicant is proposing pavement repainting, new paving and parking management to add five (5) new parking spaces; to provide a proposed total of 25 off-street parking spaces (Attachment 3).

The City's Transportation Department staff have reviewed and agree with the proposal.

### **Tree Retention**

The applicant has submitted a Certified Arborist's Report; which includes information regarding tree protection and transplanting recommendations for two (2) bylaw-sized trees on the subject property (Attachment 4). There are a number of established existing trees on the subject site and only the following two (2) trees are adjacent to proposed parking space works:

- One (1) Pin Oak tree (0.21 m Dbh, tree #1) is proposed to be protected in its current location along the west edge of the site and is adjacent to pavement repainting to allow for one (1) additional parking space.
- One (1) Copper Beech tree (0.14 m Dbh, tree #2) is proposed to be relocated on-site to allow for the construction of three (3) additional parking spaces at the building's main entry.

The City's Tree Preservation and Engineering staff have reviewed and agree with the proposal.

To ensure that the one (1) Copper Beech tree is transplanted successfully on-site, the applicant is required to complete the following items as a consideration of the Zoning Text Amendment:

- Submission of a contract with a Certified Arborist.
- Submission of a Tree Survival Security to the City in the amount of \$2,500.



**Adult Day Care Program Requirements**

Vancouver Coastal Health staff reviewed the proposal on a preliminary basis, advised that they had no concerns.

Before a 25-space adult day care program could operate on the site, the applicant would be required to: obtain Building Permit approval for interior renovations demonstrating compliance with the BC Building Code; obtain Vancouver Coastal Health adult day care program approvals; and provide (4) new off-street parking spaces to comply with the proposed amended ZR4 zone.

**Financial Impact or Economic Impact**

None.

**Conclusion**

The proposed Zoning Text Amendment to the site specific "Congregate Housing (ZR4) – Steveston" zone to allow an adult day care program as a secondary permitted use in the existing congregate care facility at 5411 Moncton Street accommodates a needed support service in the community. Proposed amendments to the ZR4 zone also include introducing a definition for adult day care use and parking requirements for the congregate care residents and adult day care program.

It is recommended that Zoning Bylaw 8500, Amendment Bylaw 9607, be introduced and given first reading.



Sara Badyal, M. Arch, MCIP, RPP  
Planner 2  
(604-276-4282)

SB:blg

Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 9607, the applicant is required to complete the following:

- Submission 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.
- Submission of a Tree Survival Security to the City in the amount of \$2,500 for the one (1) Copper Beech tree to be transplanted on-site, to be held for a period of two (2) summer seasons after the tree has been transplanted.

Attachment 1: Location Map/ Aerial Photo

Attachment 2: Development Application Data Sheet

Attachment 3: Proposed Parking Plan

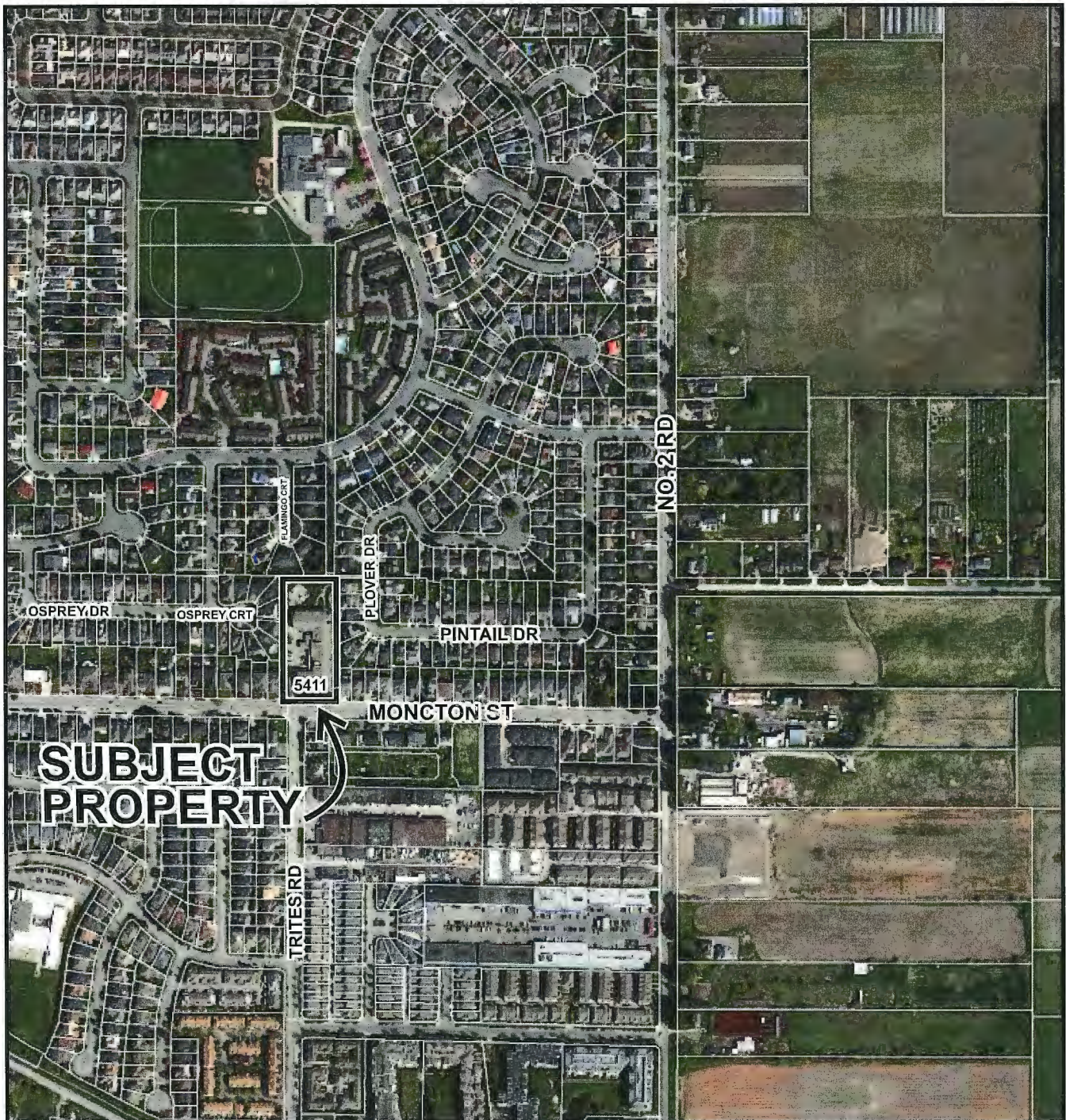
Attachment 4: Proposed Tree Management Plan







City of  
Richmond



ZT 16-737142

Original Date: 07/14/16

Revision Date:

Note: Dimensions are in METRES

PLN - 250





**ZT 16-737142**

**Attachment 2**

Address: 5411 Moncton Street

Applicant: Jason Minard

Planning Area(s): Steveston

	Existing	Proposed	
<b>Owner</b>	Provincial Rental Housing Corporation	No change	
<b>Site Size</b>	8,089 m <sup>2</sup>	No change	
<b>Land Use</b>	Congregate housing	Congregate housing and adult day care	
<b>OCP Designation</b>	Apartment Residential	Complies	
<b>Area Plan Designation</b>	Multiple-Family	Complies	
<b>Zoning</b>	Congregate Housing (ZR4) – Steveston	Amended ZR4	
<b>Number of Units</b>	50 dwelling units	50 dwelling units & 25-space adult day care	
	Bylaw Requirement	Proposed	Variance
Floor Area Ratio	Max. 0.65	0.61 existing	None permitted
Lot Coverage – Building	Max. 40%	34% existing	None
Setbacks: Moncton St West side yard East side yard Rear yard	Min. 10 m Min. 10 m Min. 6 m Min. 35 m	Existing 10.7 m 10.4 m Min. 6 m 37.5 m	None
Height	Max. 10 m & two-storey	8.7 m & two-storey existing	None
Lot Size	Min. 8,000 m <sup>2</sup>	8,089 m <sup>2</sup> existing	None
Off-street Parking: Congregate care residents Congregate care visitors/employees Adult day care employees Adult day care pick-up/drop-off HandyDart Accessible Total	Existing 10 10   (1) (1) 20	Proposed 5 10 5 5 (1) (1) 25	None
Tandem Parking Spaces:	Not permitted	None	None
Amenity Space – Indoor:	100 m <sup>2</sup>	+ 450 m <sup>2</sup> existing	None
Amenity Space – Outdoor:	300 m <sup>2</sup>	+/- 2,000 m <sup>2</sup> existing	None

**CLIENT**

**S.U.C.C.E.S.S. Multi-Level Care  
Society**

N.D.	DATE	ISSUE
1	10/06/2016	Issued for Recording
2	10/08/2016	Response in Planning Comments
3	10/22/2016	Response in Planning Comments
4	10/29/2016	Response to Planning Comments

NO. | DATE | REVISION

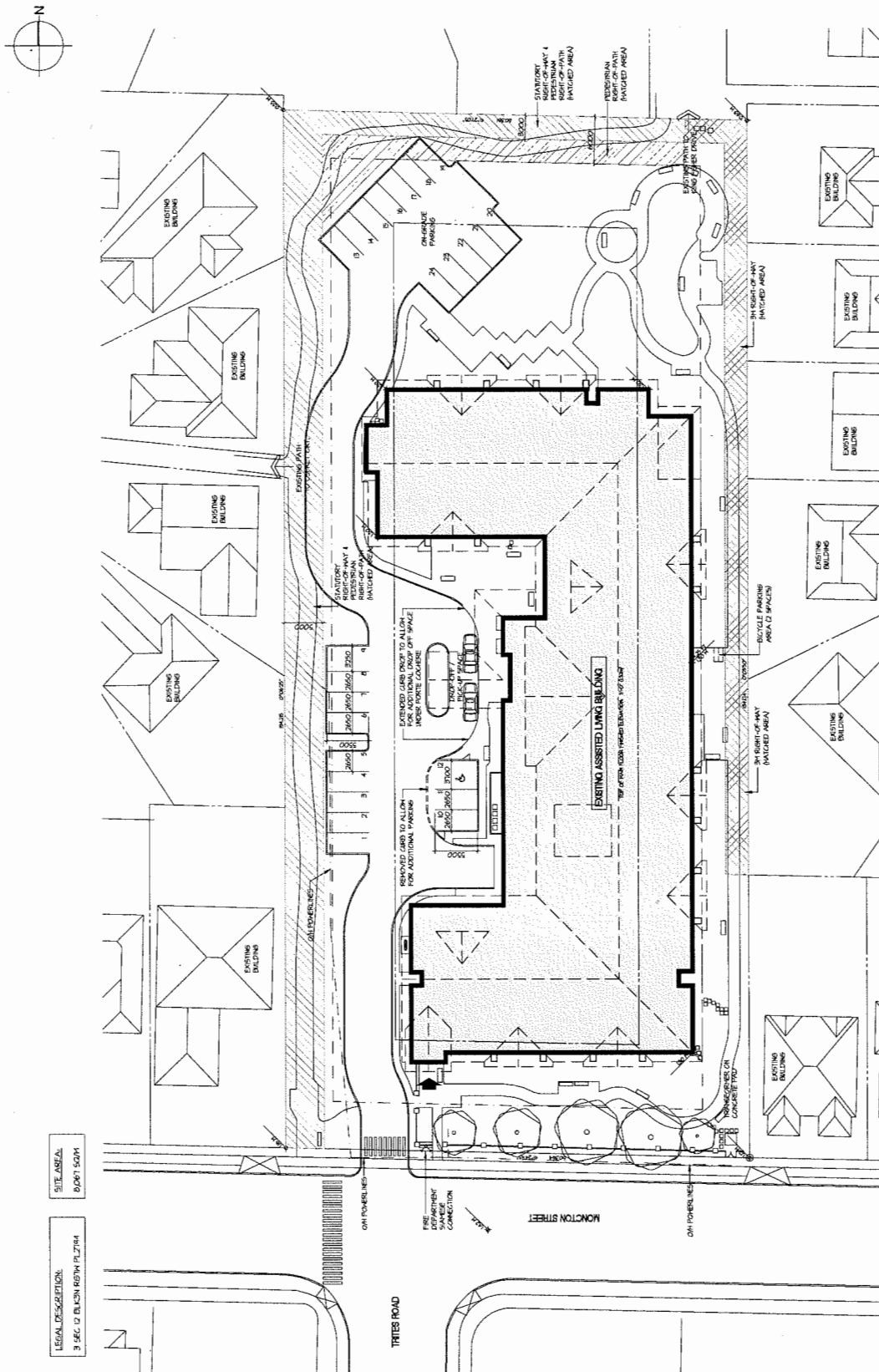
**PROJECT**  
**S.U.C.C.E.S.S. - AUSTIN HARRIS**  
**ADULT DAYCARE RENOVATION**

5451 Moncton Street  
Richmond BC, V7E 0A9

**SITE PLAN - EXISTING  
BUILDING**

## AO.01

PROJECT A216316  
DRAWN JM CHECKED JD  
SCALE 1:250  
DATE August 29, 2016

[illegible]

**PLN - 252**

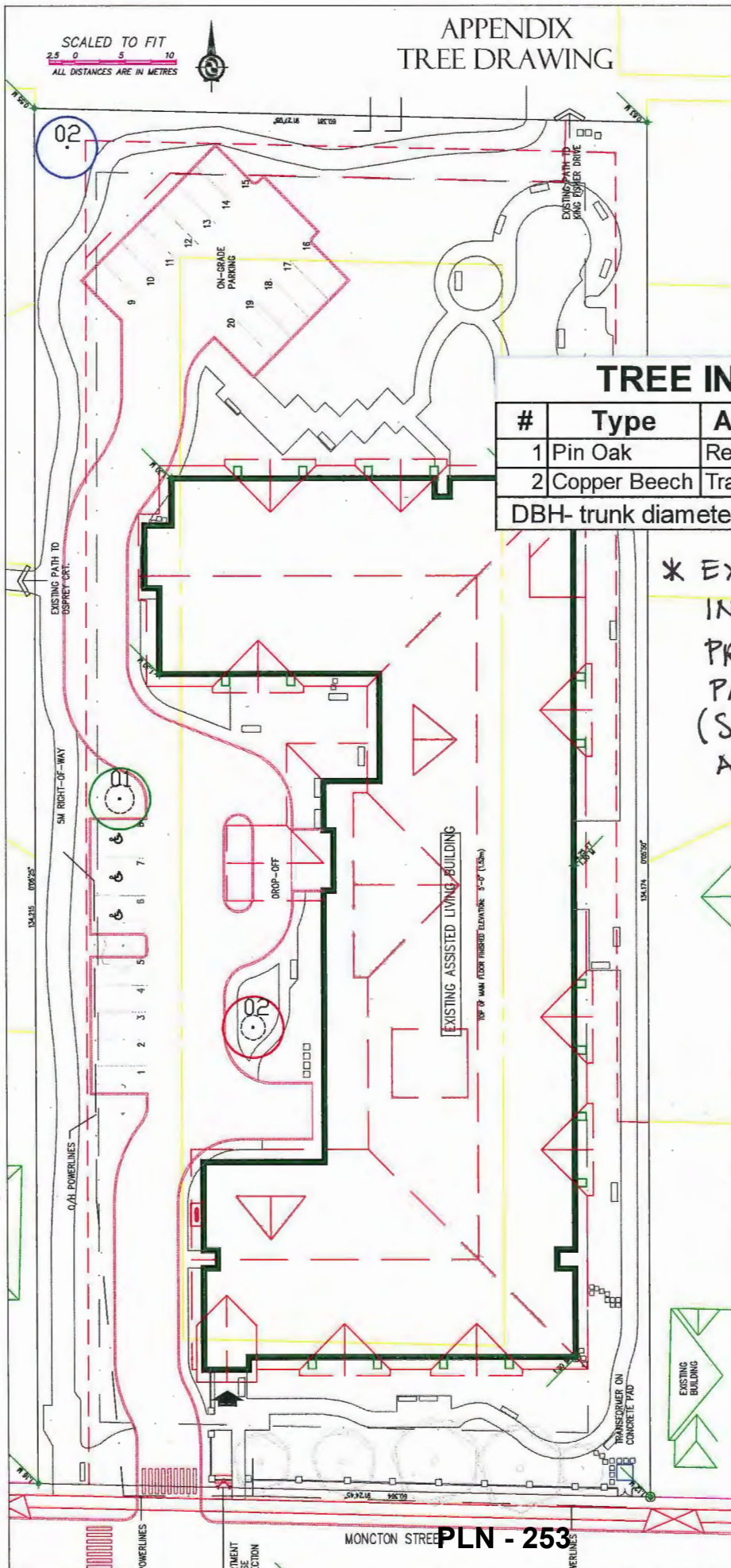
PLOT STAMP: 2016-Aug-30 @10:22am - C:\Users\jminard\Desktop\A216316.sp - Parking 24 stalls.dwg -- ANSI D-M



# APPENDIX TREE DRAWING

ATTACHMENT 4

## TREE MANAGEMENT PLAN



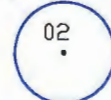
### TREE INVENTORY \*

#	Type	Action	DBH	MPZ
1	Pin Oak	Retain	21cm	1.4m
2	Copper Beech	Transplant	14cm	1.2m

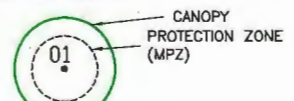
DBH- trunk diameter, MPZ- protection zone

\* EXISTING TREES  
IN PROXIMITY OF  
PROPOSED  
PARKING SPACES  
(SHOWN ON  
ATTACHMENT # 3)

RECOMMENDED  
TRANSPLANTING  
LOCATION



TREE PROPOSED  
FOR RETENTION



TREE PROPOSED  
FOR  
TRANSPLANTING



- NOTES:
1. SITE LAYOUT INFORMATION AND TREE SURVEY DATA PER SUPPLIED DRAWING
  2. REFER TO ATTACHED TREE PROTECTION REPORT FOR INFORMATION CONCERNING TREE SPECIES, STEM DIAMETER, HEIGHT, CANOPY SPREAD AND CONDITION.
  3. ALL MEASUREMENTS ARE METRIC

Froggers Creek  
Tree Consultants Ltd

7763 McGregor Avenue Burnaby BC V5J 4H4  
Telephone: 604-721-6002 Fax: 604-437-0970

5411 Moncton Street, Richmond

TREE PROTECTION DRAWING  
THE DRAWING PLOTS ONLY TWO TREES THEIR  
CANOPIES, PROTECTION ZONES IN RELATION TO  
EXISTING LAYOUT

August 18, 2014

MONCTON STREET PLN - 253



**Richmond Zoning Bylaw 8500  
Amendment Bylaw 9607 (ZT 16-737142)  
5411 Moncton Street**

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

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

a. Deleting section 21.4.1 and substituting the following:

**“21.4.1 Purpose**

The **zone** provides for **congregate housing** and **adult day care.**”

b. Deleting section 21.4.3 and substituting the following:

**“21.4.3 Secondary Uses**

- **adult day care”**

c. Deleting section 21.4.10 and substituting the following:

**“21.4.10 On-Site Parking and Loading**

1. On-site **vehicle** and bicycle parking and loading shall be provided according to the standards set out in Section 7.0, except that:

- a) For **congregate care** residents: 0.1 **parking spaces** for each **dwelling unit**;
- b) For **congregate care** visitors and employees: 0.2 **parking spaces** for each **dwelling unit** for combined visitors’ and employee parking;
- c) For **adult day care** employees: 0.2 **parking spaces** for each employee; and
- d) For **adult day care** drop-off and pick-up: 0.2 **parking spaces** for each adult in care.”
- e) The minimum manoeuvring aisle width shall be 6.7 m.”

d. Adding the following to section 21.4.11. (Other Regulations):

“2. For the purpose of **this** zone only, **adult day care** means a non-residential supervised program meeting the needs of adults who have physical challenges, cognitive challenges and/or chronic illnesses and is distinct from **community care facility, major; community care facility, minor; and health service, major** uses which permit residential care.”

2. This Bylaw may be cited as “**Richmond Zoning Bylaw 8500, Amendment Bylaw 9607**”.

FIRST READING

PUBLIC HEARING

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

ADOPTED

\_\_\_\_\_  
MAYOR

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

CITY OF RICHMOND
APPROVED by <i>BK</i>
APPROVED by Director or Solicitor <i>al</i>



# City of Richmond

## Report to Committee Planning and Development Division

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

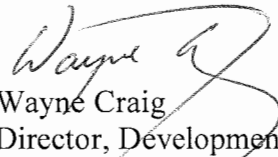
**Date:** September 6, 2016

**File:** RZ 16-731886

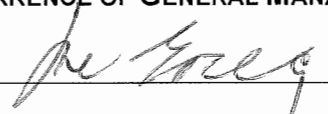
**Re:** Application by 0906559 B.C. Ltd. for Rezoning at 4720/4740 Larkspur Avenue  
from Single Detached (RS1/E) to Single Detached (RS2/B)

### Staff Recommendation

That Richmond Zoning Bylaw 8500, Amendment Bylaw 9608, for the rezoning of 4720/4740 Larkspur Avenue from "Single Detached (RS1/E)" to "Single Detached (RS2/B)", be introduced and given first reading.

  
Wayne Craig  
Director, Development

WC:jf  
Att. 7

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

## **Staff Report**

### **Origin**

0906559 B.C. Ltd. has applied to the City of Richmond for permission to rezone 4720/4740 Larkspur Avenue from the “Single Detached (RS1/E)” zone to the “Single Detached (RS2/B)” zone, to permit the property to be subdivided to create two (2) single-family lots, each with driveway access to Larkspur Avenue (Attachment 1). The proposed subdivision plan is shown in Attachment 2. There is an existing duplex on the property, which would be demolished.

### **Findings of Fact**

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

### **Surrounding Development**

Development immediately surrounding the subject property is as follows:

- To the north, across Larkspur Avenue: one (1) home on a lot zoned “Single Detached (RS1/E),” fronting Larkspur Avenue.
- To the south: McCallan Park, an open park with play structures on a lot zoned “School and Institutional Use (SI).”
- To the east: one (1) home on a lot zoned “Single Detached (RS1/E),” fronting Larkspur Avenue.
- To the west: one (1) duplex on a lot zoned “Single Detached (RS1/E),” fronting Larkspur Avenue.

### **Related Policies & Studies**

#### **Official Community Plan/Thompson Area Plan**

The subject property is located in the Thompson planning area (Attachment 4). The Official Community Plan (OCP) designation for the subject property is “Neighbourhood Residential.” The proposed rezoning is consistent with this application.

#### **Zoning Bylaw 8500/Single-Family Lot Size Policy 5473**

The subject property is located within the area governed by Single-Family Lot Size Policy 5473, adopted by Council on July 18, 2005 (Attachment 5). This Single-Family Lot Size Policy permits subdivision consistent with the requirements of the “Single Detached (RS2/E)” zoning bylaw.

Amendment procedures contained in Section 2.3 of Richmond Zoning Bylaw 8500 indicate that Lot Size Policies are not applicable for rezoning applications on sites that contain a duplex, and are intended to be subdivided into no more than two (2) single-family lots. The proposed rezoning and subdivision are compliant with this policy.



**Aircraft Noise Sensitive Development Policy**

The subject site is located within the Aircraft Noise Area 4. In accordance with the Aircraft Noise Sensitive Development Policy (ANSND) contained in the OCP, applications involving rezoning from one single-family sub-zone to another may be considered in this aircraft noise sensitive area. Registration of an aircraft sensitive noise use covenant on Title is required prior to final adoption of the rezoning bylaw.

**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.

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.

**Analysis****Existing Legal Encumbrances**

There is an existing statutory right-of-way (SRW) agreement registered on Title for the municipal sanitary sewer. The SRW is 3.0 m wide along the entire west and south property lines. The applicant is aware that encroachment into the SRW is not permitted.

**Transportation and Site Access**

Vehicle access is proposed to be from Larkspur Avenue via separate driveway crossings to each new lot.

**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 Report assesses one (1) bylaw-sized tree on the subject property, one (1) tree on a neighbouring property, and three (3) City-owned Western red cedars.

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

- One (1) 41 cm dbh Western red cedar on the development site (Tag # 8) is in good condition and recommended for retention. Provide tree protection as per City of Richmond Tree Protection Information Bulletin Tree-03.
- One (1) 36 cm dbh Japanese maple on a neighbouring property (Tag # 4) is in good condition and recommended for retention. Provide tree protection as per City of Richmond Tree Protection Information Bulletin Tree-03.
- One (1) City-owned 58 cm dbh Western red cedar in the road right-of-way (Tag # 3) is in good condition and recommended for retention. Provide tree protection as per City of Richmond Tree Protection Information Bulletin Tree-03.
- Two (2) City-owned Western red cedars in the road right-of-way (Tag # 1 and 2) forming a hedge are in good condition, but in conflict with the proposed driveway location. Remove and replace.
- Replacement trees should be specified at 2:1 ratio as per the OCP.

#### *Tree Protection*

One (1) tree on the subject property, one (1) tree on a neighbouring property, and one (1) City-owned tree (Tag # 3, 4, and 8) 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 6). 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 final adoption of the rezoning bylaw, the City's acceptance of a survival security in the amount of \$10,000 for the one (1) tree to be retained on-site, and \$18,400 for the one (1) City-owned tree, for a total security of \$28,400.
- 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*

The applicant wishes to remove two (2) City-owned Western red cedars (Tag # 1 and 2) that form part of a hedge. The City Parks Department has determined that no compensation is required for the removal of hedges.

Consistent with Council Policy No. 5032, the applicant must provide and maintain two (2) trees on each lot. The applicant has agreed to plant one (1) tree on proposed Lot A and two (2) trees on proposed Lot B to comply with this Policy. Prior to adoption of the rezoning bylaw, the applicant must submit a landscape security in the amount of \$1,500 to ensure that the three (3) trees are planted.

### **Affordable Housing Strategy**

The City's Affordable Housing Strategy requires a secondary suite or coach house on 100% of new lots created through single-family rezoning and subdivision applications, or a secondary suite or coach house on 50% of new lots created and a cash-in-lieu contribution to the City's Affordable Housing Reserve Fund of \$2.00/ft<sup>2</sup> of the total buildable area of the remaining lots.

To comply with the Affordable Housing Strategy, the applicant proposes to construct a secondary suite on one (1) of the two (2) future lots and provide a cash-in-lieu contribution of \$5,761.38 to the City's Affordable Housing Reserve Fund for the second lot. Prior to final adoption of the rezoning bylaw, the applicant must register a legal agreement on title to ensure that no final Building Permit inspection will be granted until a secondary suite is constructed on one (1) of the two (2) future lots, to the satisfaction of the City in accordance with the BC Building Code and the City's Zoning Bylaw.

### **Site Servicing and Frontage Improvements**

At a future development stage, the applicant must complete the required servicing works as described in Attachment 8.

### **Financial Impact or Economic Impact**

This 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**

0906559 B.C. Ltd. has applied to the City of Richmond for permission to rezone 4720/4740 Larkspur Avenue from the "Single Detached (RS1/E)" zone to the "Single Detached (RS2/B)" zone, to permit the property to be subdivided to create two (2) single-family lots, each with driveways access to Larkspur Avenue.

This rezoning application complies with the land use designation and applicable policies for the subject site contained within the OCP and the Richmond Zoning Bylaw 8500.

The list of rezoning considerations is included in Attachment 8, which has been agreed to by the applicant (signed concurrence on file).

It is recommended that Richmond Zoning Bylaw 8500, Amendment Bylaw 9608 be introduced and given first reading.



Jordan Rockerbie  
Planning Technician

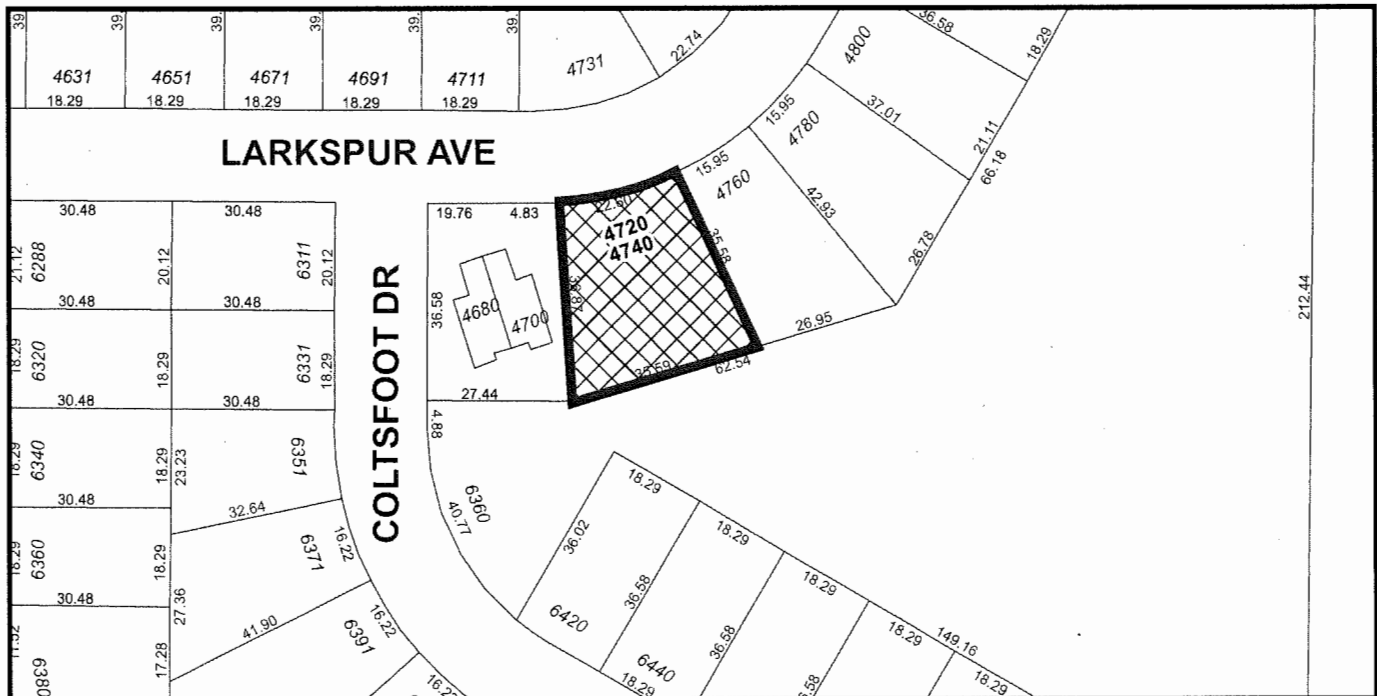
JR:rg

Attachment 1: Location Map and Aerial Photo  
Attachment 2: Proposed Subdivision Plan  
Attachment 3: Development Application Data Sheet  
Attachment 4: Thompson Area Plan Land Use Map  
Attachment 5: Lot Size Policy 5473  
Attachment 6: Tree Retention Plan  
Attachment 7: Rezoning Considerations



# City of Richmond

ATTACHMENT 1



## RZ 16-731886

Original Date: 05/25/16

Revision Date:

Note: Dimensions are in METRES

PLN - 262





# City of Richmond



RZ 16-731886

Original Date: 05/25/16

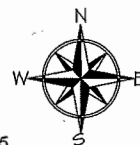
Revision Date:

Note: Dimensions are in METRES

**TOPOGRAPHIC SURVEY AND PROPOSED SUBDIVISION OF  
LOT 465 SECTION 11 BLOCK 4 NORTH RANGE 7 WEST  
NEW WESTMINSTER DISTRICT PLAN 42623**

#4720 - 4740 LARKSPUR AVENUE,  
RICHMOND, B.C.  
P.I.D. 002-468-182

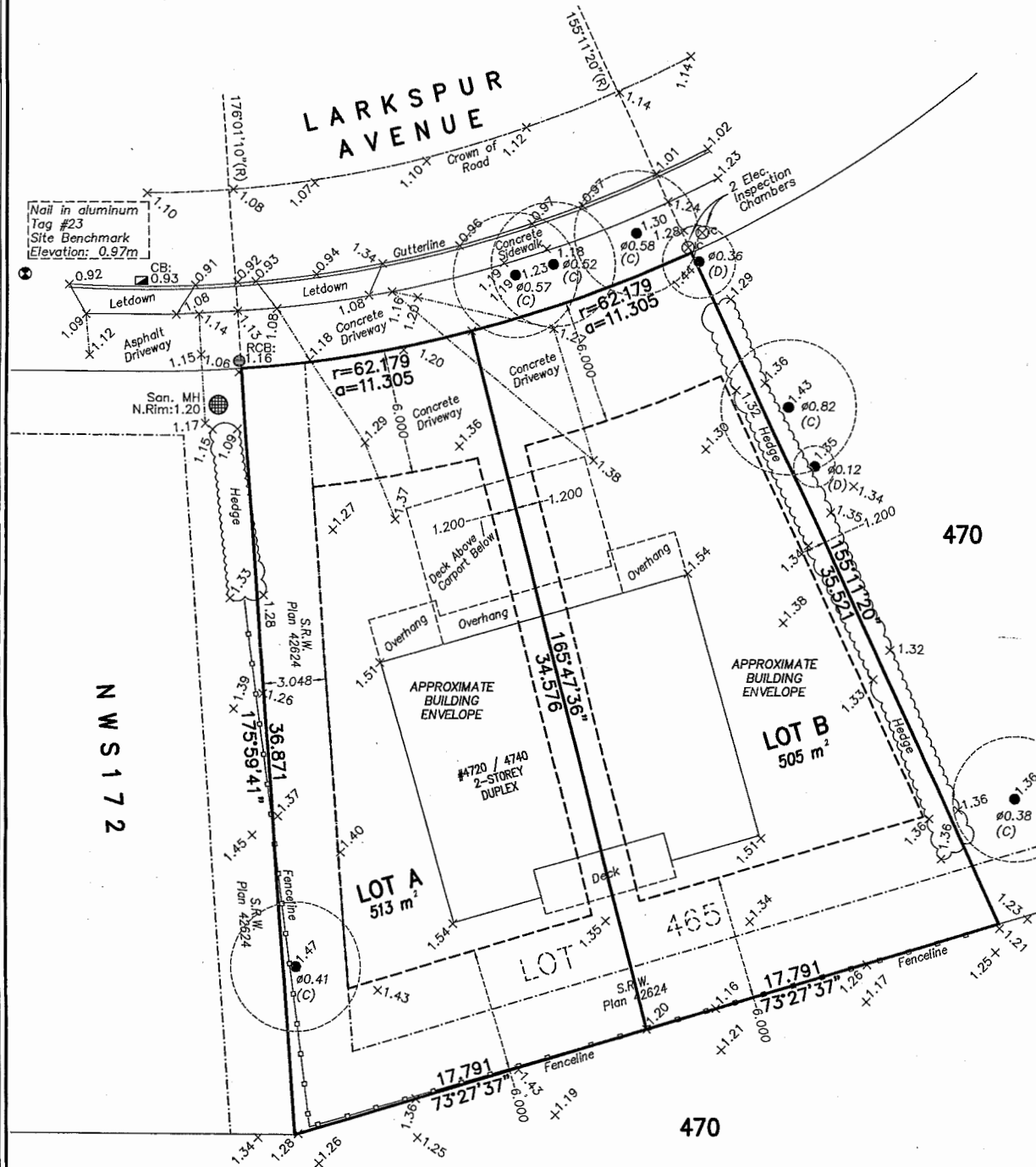
ATTACHMENT 2



SCALE: 1:200

0 5 10 15

ALL DISTANCES ARE IN METRES AND DECIMALS  
THEREOF UNLESS OTHERWISE INDICATED



© copyright  
J. C. Tam and Associates  
Canada and B.C. Land Surveyor  
115 - 8833 Odlin Crescent  
Richmond, B.C. V6X 3Z7  
Telephone: 214-8928  
Fax: 214-8929  
E-mail: office@jctam.com  
Website: www.jctam.com  
Job No. 6559  
FB-300 P134-135  
Drawn By: IO

San. MH.  
S.Rim: 1.39

**NOTE:**

Elevations shown are based on  
City of Richmond HPN  
Benchmark network.  
Benchmark: HPN #196  
Control Monument 77H4970  
Elevation: 1.793m  
Benchmark: HPN #234  
Control Monument 77H4891  
Elevation: 1.125m

**NOTE:**

Use site Benchmark Tag #23 for  
construction elevation control.

**LEGEND:**

(c) denotes conifer  
(D) denotes deciduous  
☐ denotes catch basin  
● denotes round catch basin  
● denotes manhole  
⊗ denotes electrical  
PLN 264  
(R) denotes radial bearing

**CERTIFIED CORRECT:**

LOT DIMENSION ACCORDING TO  
FIELD SURVEY.

*Johnson C. Tam*  
JOHNSON C. TAM, B.C.L.S.

APRIL 7th, 2016.

DWG No. 6559-Topo



**RZ 16-731886**

**Attachment 3**

Address: 4720/4740 Larkspur Avenue

Applicant: 0906559 B.C. Ltd.

Planning Area(s): Thompson

	Existing	Proposed
<b>Owner:</b>	Yingchen Huang	To be determined
<b>Site Size (m<sup>2</sup>):</b>	1,018 m <sup>2</sup>	Lot A: 513 m <sup>2</sup> Lot B: 505 m <sup>2</sup>
<b>Land Uses:</b>	One (1) duplex	Two (2) single-family homes
<b>OCP Designation:</b>	Neighbourhood Residential	No change
<b>702 Policy Designation:</b>	Single Detached (RS2/E) (duplexes exempt)	Single Detached (RS2/B)
<b>Zoning:</b>	Single Detached (RS1/E)	Single Detached (RS2/B)

On Future Subdivided Lots	Bylaw Requirement	Proposed	Variance
Floor Area Ratio:	Max. 0.55 for lot area up to 464.5 m <sup>2</sup> plus 0.30 for area in excess of 464.5 m <sup>2</sup>	Max. 0.55 for lot area up to 464.5 m <sup>2</sup> plus 0.30 for area in excess of 464.5 m <sup>2</sup>	None permitted
Buildable Floor Area*	Lot A: Max. 270.025 m <sup>2</sup> (2,906.522 ft <sup>2</sup> ) Lot B: Max. 267.625 m <sup>2</sup> (2,880.689 ft <sup>2</sup> )	Lot A: Max. 270.025 m <sup>2</sup> (2,906.522 ft <sup>2</sup> ) Lot B: Max. 267.625 m <sup>2</sup> (2,880.689 ft <sup>2</sup> )	None permitted
Lot Coverage (% of lot area):	Building: Max. 45% Non-porous Surfaces: Max. 70%	Building: Max. 45% Non-porous Surfaces: Max. 70%	None
Lot Size:	Min. 360 m <sup>2</sup>	Lot A: 513 m <sup>2</sup> Lot B: 505 m <sup>2</sup>	None
Lot Dimensions (m):	Width: Min. 12.0 m Depth: Min. 24.0 m	Width: 14.55 m Depth: 34.58 m	None
Setbacks (m):	Front: Min. 6.0 m Rear: Min. 6.0 m Side: Min. 1.2 m	Front: Min. 6.0 m Rear: Min. 6.0 m Side: Min. 1.2 m	None
Height (m):	Max. 9.0 m	Max. 9.0 m	None

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

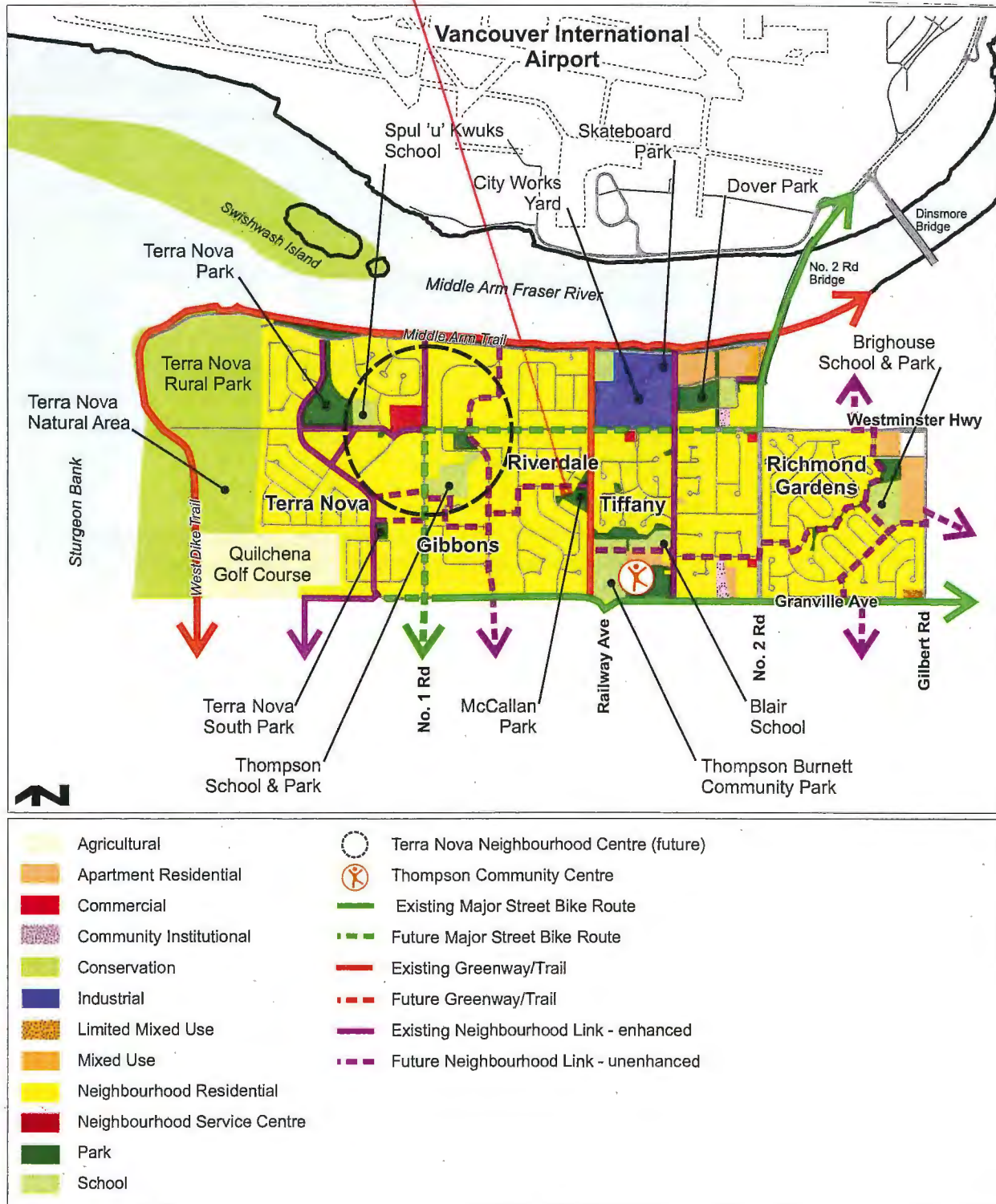
\* Preliminary estimate; not inclusive of garage; exact building size to be determined through zoning bylaw compliance review at Building Permit stage.





## 2. Thompson

SUBJECT PROPERTY



PLN - 266



# City of Richmond

# Policy Manual

Page 1 of 2	Adopted by Council: July 18 <sup>th</sup> , 2005	POLICY 5473
File Ref: 4045-00	SINGLE-FAMILY LOT SIZE POLICY IN QUARTER-SECTION 11-4-7 AND 14-4-7	

## POLICY 5473:

The following policy establishes lot sizes for that portion of Section 11-4-7, bounded by **Granville Avenue, Westminster Highway, the McCallan Road Right-of-Way, and the property line to the rear of the properties on the west side of Mayflower and Riverdale Drive, and for the lots abutting Granville Avenue between Railway Avenue and No. 1 Road** in a portion of Section 14-4-7:

1. All lots resulting from subdivision shall meet the requirements of Single-Family Housing District, Subdivision Area E (R1/E) as per the Zoning and Development Bylaw 5300.
2. This policy is to be used in determining the disposition of future applications in this area for a period of not less than five years, except as per the amending procedures in the Zoning and Development Bylaw 5300.
3. Property boundaries are outlined on the accompanying plan.
4. Multiple-family residential development shall not be permitted.



SUBJECT PROPERTY



Policy 5473  
Section 11-4-7 and 14-4-7

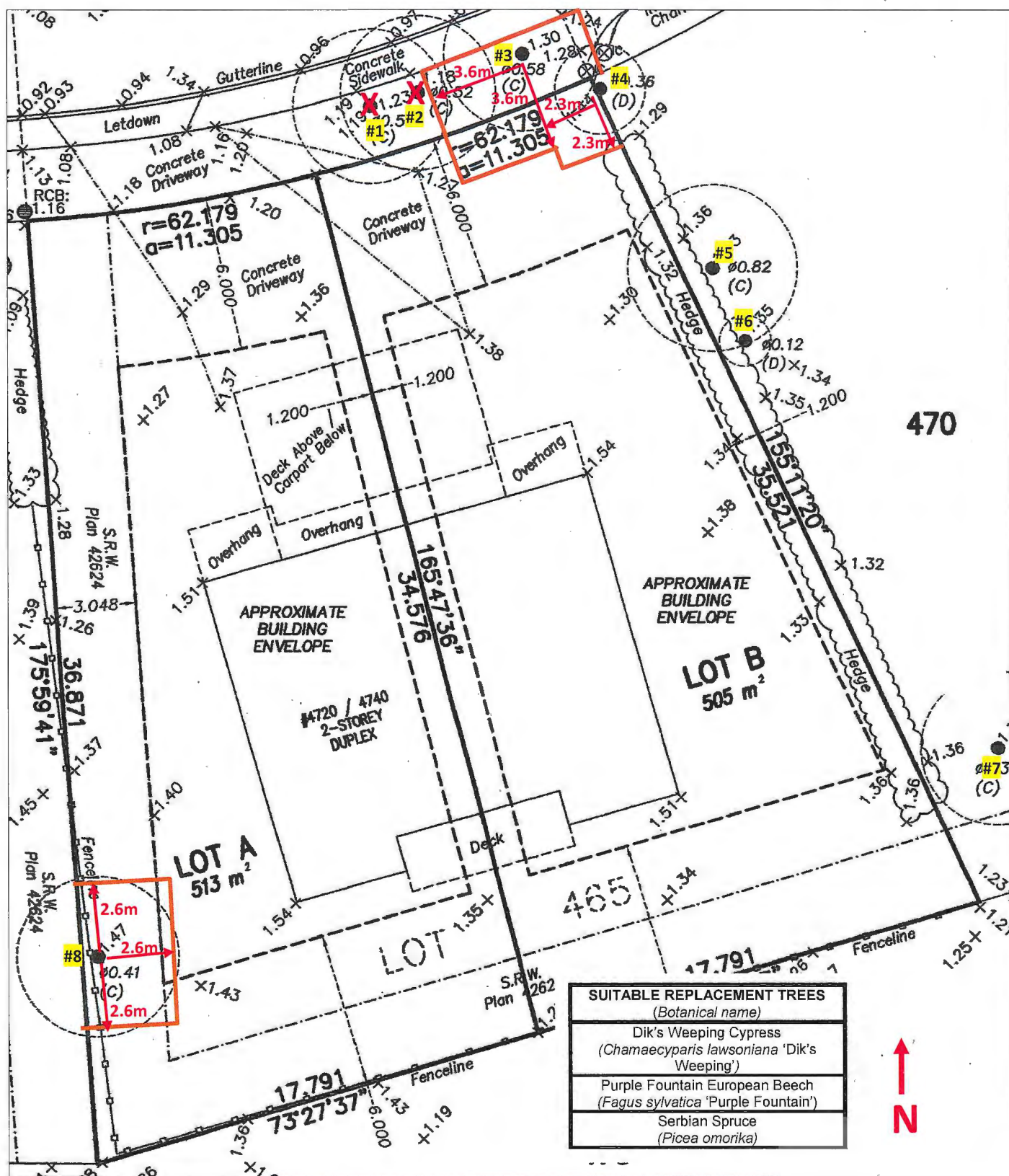
Adopted Date: 07/18/05

Amended Date:

Note: Dimensions are in METRES

PLN - 268





## Preliminary Tree Retention & Removal Plan, Scale 1:200

<u>TREE</u> #	<u>SPECIES</u>	<u>DBH</u> (cm)	<u>SPREAD</u> Radius (m) est.
1	Western red cedar ( <i>Thuja plicata</i> )	100 combined (54+46)	3.1
2	Western red cedar ( <i>Thuja plicata</i> )	63	3.1
3	Western red cedar ( <i>Thuja plicata</i> )	58 per survey	3.1
4	Japanese maple ( <i>Acer japonica</i> )	36 per survey	1.5
5	No tree	-	-
6	No tree	-	-
7	No tree	-	-
8	Douglas fir ( <i>Pseudotsuga menziesii</i> )	41 per survey	3



**Address:** 4720/4740 Larkspur Avenue

**File No.:** RZ 16-731886

**Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 9608, the applicant is required to complete the following:**

1. Submission of a Landscape Security in the amount of \$1,500 (\$500/tree) to ensure that one (1) tree is planted on proposed Lot A and two (2) trees are planted on proposed Lot B, for a total of three (3) trees; minimum 6 cm deciduous caliper or 3.5 m high conifers.
2. Submission of a Contract entered into between the applicant and a Certified Arborist for supervision of any on-site works conducted within the tree protection zone of the trees to be retained. 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.
3. Submission of a Tree Survival Security to the City in the amount of \$10,000 for the one (1) tree to be retained on-site, and \$18,400 for the one (1) City-owned tree, for a total security of \$28,400.
4. Registration of an aircraft noise sensitive use covenant on title.
5. Registration of a flood indemnity covenant on title.
6. Registration of a legal agreement on Title to ensure that no final Building Permit inspection is granted until a secondary suite is constructed on one (1) of the two (2) future lots, to the satisfaction of the City in accordance with the BC Building Code and the City's Zoning Bylaw.
7. The City's acceptance of the applicant's voluntary contribution of \$2.00 per buildable square foot of the single-family development on proposed Lot B (i.e. \$ 5,761.38) to the City's Affordable Housing Reserve Fund.

**At Demolition\* stage, the applicant 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 applicant 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. 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.

**At Subdivision\* or Building Permit\* stage, the applicant must complete the following requirements:**

1. Complete the following servicing works and off-site improvements. These may be completed through a Servicing Agreement\* or a City work order.

*Water Works:*

- Using the OCP Model, there is 164 L/s of water available at a 20 psi residual at the Larkspur 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:
  - Cut & cap at main the existing water service connection along the Larkspur Avenue frontage.
  - Install two new water service connections complete with meter and meter box off of the existing 150mm AC watermain on Larkspur Avenue.

*Storm Sewer Works:*

- At the Developer's cost, the City is to:
  - Cut and cap the existing storm service lead at the inspection chamber at the northwest corner of the subject site.
  - Install a new storm service connection complete with inspection chamber and dual service lead off of the existing 300mm storm sewer on Larkspur Avenue.

*Sanitary Sewer Works:*

- At the Developers cost, the City is to:
  - Install a new sanitary service connection complete with inspection chamber and dual service leads, at the adjoining property line of the two newly created lots.
  - Cut and cap the existing sanitary service lead at the southeast corner of the subject site.

*Frontage Improvements:*

- The Developer is required to:
  - Coordinate with BC Hydro, Telus and other private communication service providers:
    - When relocating/modifying any of the existing power poles and/or guy wires within the property frontages.
    - To determine if above ground structures are required and coordinate their locations (e.g. Vista, PMT, LPT, Shaw cabinets, Telus Kiosks, etc).
- All removal and relocation of sidewalk panels and curb letdowns to be done at Developer's cost.

*General Items:*

- The Developer is required to:
  - 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.

**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.

---

Signed

---

Date



# City of Richmond

## Bylaw 9608

### Richmond Zoning Bylaw 8500 Amendment Bylaw 9608 (RZ 16-731886) 4720/4740 Larkspur 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 **"SINGLE DETACHED (RS2/B)"**.

P.I.D. 002-468-182

Lot 465 Section 11 Block 4 North Range 7 West New Westminster District Plan 42623

2. This Bylaw may be cited as **"Richmond Zoning Bylaw 8500, Amendment Bylaw 9608"**.

FIRST READING

A PUBLIC HEARING WAS HELD ON

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

ADOPTED

_____
_____
_____
_____
_____
_____

CITY OF RICHMOND
APPROVED by <i>BK</i>
APPROVED by Director or Solicitor <i>ul</i>

\_\_\_\_\_  
MAYOR

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



# City of Richmond

## Report to Committee Planning and Development Division

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

**Date:** September 6, 2016  
**File:** RZ 16-734207


**Re:** Application by New Horizon Developments Ltd. for Rezoning at  
7340/7360 Langton Road from Single Detached (RS1/E) to Single Detached  
(RS2/B)

### Staff Recommendation

That Richmond Zoning Bylaw 8500, Amendment Bylaw 9609, for the rezoning of  
7340/7360 Langton Road from "Single Detached (RS1/E)" to "Single Detached (RS2/B)", be  
introduced and given first reading.

  
Wayne Craig  
Director, Development

WC:jr  
Att. 6

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

## **Staff Report**

### **Origin**

New Horizon Developments Ltd. has applied to the City of Richmond for permission to rezone 7340/7360 Langton Road from the “Single Detached (RS1/E)” zone to the “Single Detached (RS2/B)” zone to permit the property to be subdivided to create two (2) single-family lots with vehicle access from Langton Road (Attachment 1). The proposed subdivision plan is shown in Attachment 2. There is an existing duplex on the property, which would be demolished.

### **Findings of Fact**

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

### **Surrounding Development**

Development immediately surrounding the subject site is as follows:

- To the north: A duplex on a lot zoned “Single Detached (RS1/E)” fronting Langton Road.
- To the south: A duplex on a lot zoned “Two-Unit Dwellings (RD1)” fronting Langton Road.
- To the east: A duplex on a lot zoned “Two-Unit Dwellings (RD1)” fronting No. 2 Road.
- To the west, across Langton Road: A single-family home on a lot zoned “Single Detached (RS2/B)” fronting Langtree Avenue.

### **Related Policies & Studies**

#### **Official Community Plan**

The subject property is located in the Blundell planning area (Attachment 4). The Official Community Plan (OCP) designation for the subject property is “Neighbourhood Residential.” The proposed rezoning is consistent with this designation.

#### **Zoning Bylaw 8500/Single-Family Lot Size Policy 5463**

The subject property is located within the area governed by Single-Family Lot Size Policy 5463, adopted by Council on February 19, 1996, and subsequently amended on November 16, 2015 (Attachment 5). This Single-Family Lot Size Policy permits properties with an existing duplex to be subdivided consistent with the requirements of the “Single Detached (RS2/B)” zoning bylaw. The proposed rezoning and subdivision are compliant with this 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.

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****Existing Legal Encumbrances**

There is an existing 3.0 m by 3.0 m statutory right-of-way (SRW) on the northeast corner of the subject site for the sanitary sewer. This SRW will be extended approximately 10.0 m south along the east property line to accommodate an extension of the sanitary sewer to service the proposed south lot. The applicant is aware of the required extension, and that encroachment into the SRW is not permitted.

**Transportation and Site Access**

Vehicle access is proposed to be from Langton Road via separate driveway crossings to each new lot.

**Tree Retention and Replacement**

Staff have determined that there are no living bylaw-sized trees on the subject property, and no trees on adjacent properties requiring tree protection measures. The applicant must plant two (2) trees on each new lot; for a total of four (4) trees, consistent with Council Policy No. 5032. One (1) new tree must be planted within 3.0 m of the front lot line of each lot, consistent with Richmond Zoning Bylaw 8500. Prior to adoption of the rezoning bylaw, the applicant must submit a landscape security in the amount of \$2,000 to ensure that the four (4) trees are planted.

**Affordable Housing Strategy**

The City's Affordable Housing Strategy requires a secondary suite or coach house on 100% of new lots created through single-family rezoning and subdivision applications; a secondary suite or couch house on 50% of new lots created and a cash-in-lieu contribution to the City's Affordable Housing Reserve Fund of \$2.00/ft<sup>2</sup> of the total buildable area of the remaining lots; or a cash-in-lieu contribution of \$2.00/ft<sup>2</sup> of the total buildable area of all lots where a secondary suite cannot be accommodated in the development.

The applicant proposes to contribute \$11,077.13 toward the City's Affordable Housing Reserve Fund. This is equivalent to \$2.00/ft<sup>2</sup> of the total buildable area of each lot to be created, and is consistent with the Affordable Housing Policy.



**Site Servicing and Frontage Improvements**

At future development stage, the applicant must complete the required servicing works as described in Attachment 6.

**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 application is to rezone 7340/7360 Langton Road from the "Single Detached (RS1/E)" zone to the "Single Detached (RS2/B)" zone, to permit the property to be subdivided to create two (2) single-family lots.

This rezoning application complies with the land use designation and applicable policies for the subject site contained within the OCP and the Richmond Zoning Bylaw 8500.

The list of rezoning considerations is included in Attachment 6; which has been agreed to by the applicant (signed concurrence on file).

It is recommended that Richmond Zoning Bylaw 8500, Amendment Bylaw 9609 be introduced and given first reading.



Jordan Rockerbie  
Planning Technician  
(604-276-4092)

JR:blg

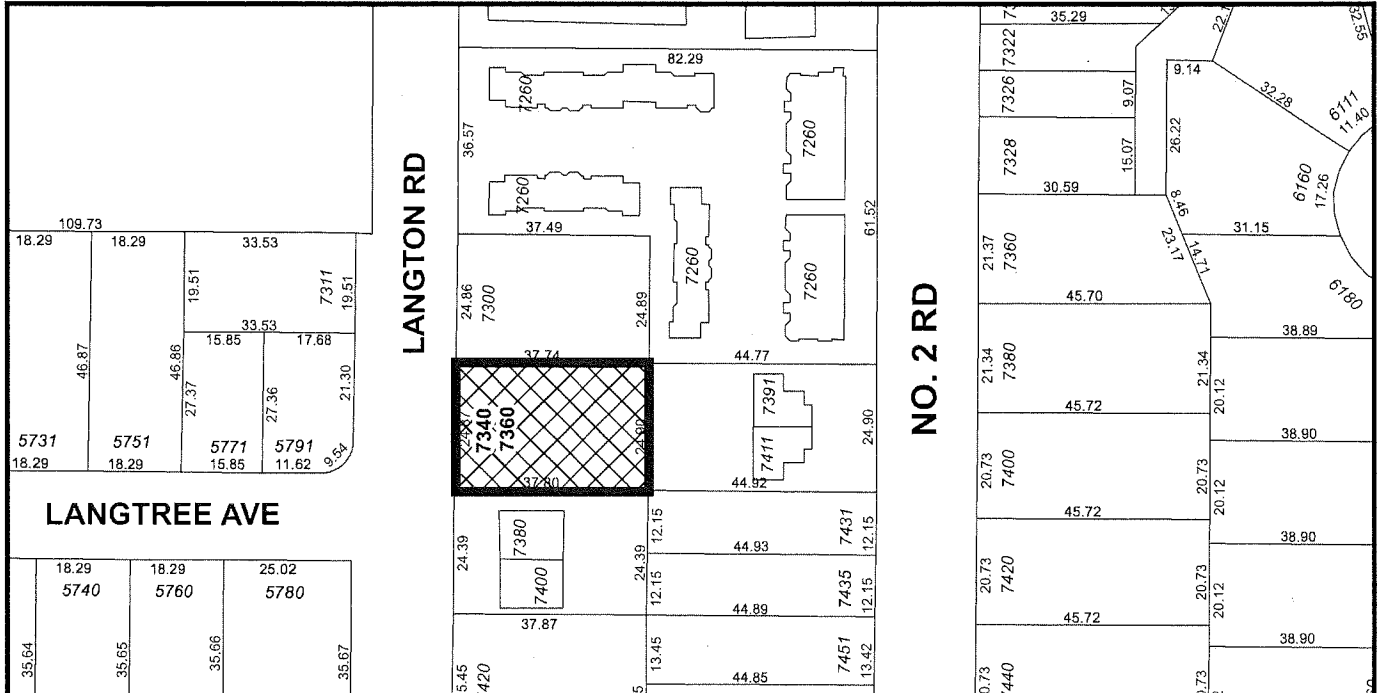
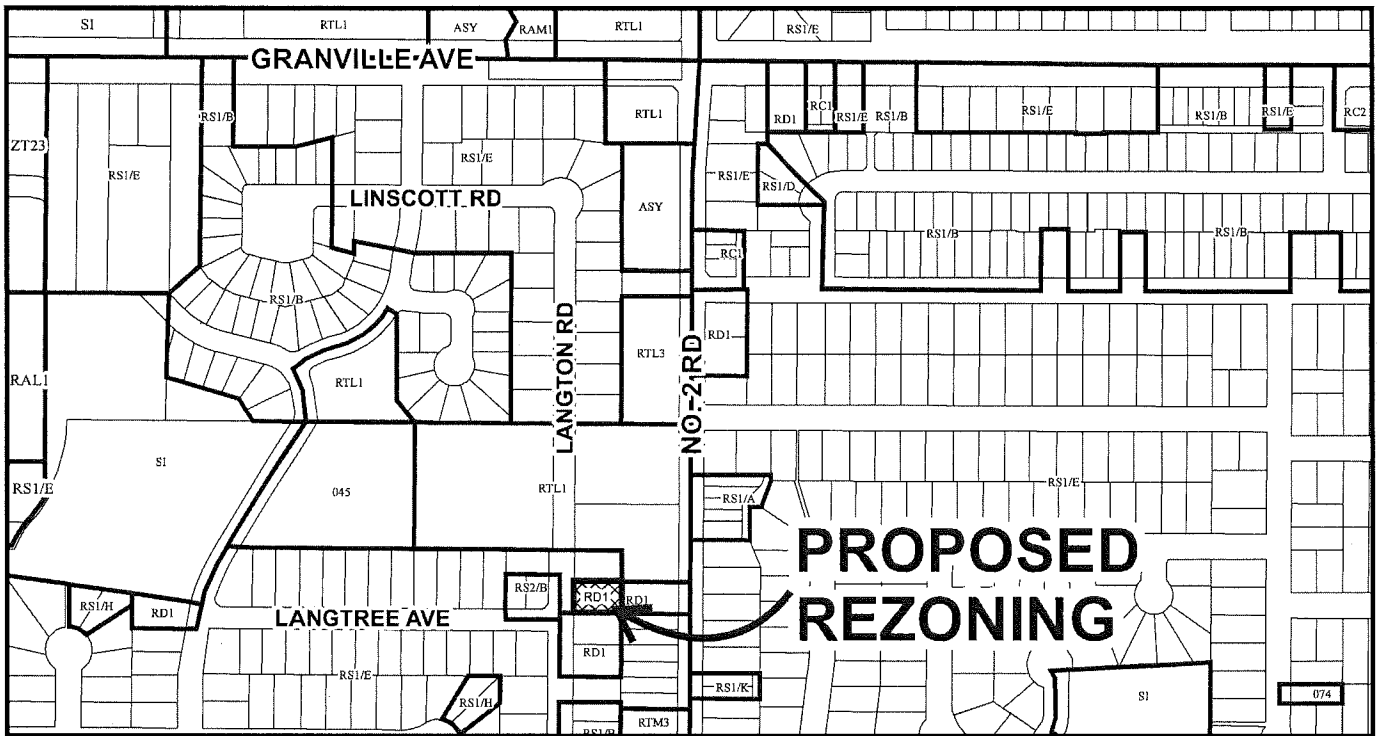
**Attachments:**

- Attachment 1: Location Map and Aerial Photo
- Attachment 2: Proposed Subdivision Plan
- Attachment 3: Development Application Data Sheet
- Attachment 4: Blundell Area Land Use Map
- Attachment 5: Lot Size Policy 5463
- Attachment 6: Rezoning Considerations



# City of Richmond

ATTACHMENT 1



RZ 16-734207

Original Date: 07/05/16

Revision Date:

Note: Dimensions are in METRES

PLN - 279



City of  
Richmond



RZ 16-734207

Original Date: 07/05/16

Revision Date:

Note: Dimensions are in METRES

PLN - 280

**TOPOGRAPHIC SURVEY AND PROPOSED SUBDIVISION OF LOT 278 SECTION 13  
BLOCK 4 NORTH RANGE 7 WEST NEW WESTMINSTER DISTRICT PLAN 46525**

#7340 & 7360 LANGTON ROAD,  
RICHMOND, B.C.  
P.I.D. 003-880-818



- LEGEND:**
- (d) denotes deciduous
  - denotes round catch basin
  - MH denotes manhole
  - ⊕ denotes water valve
  - ⊕ denotes water meter
  - CO denotes cleanout
  - NR denotes north rim
  - IC denotes inspection chamber

**NOTE:**  
Elevations shown are based on  
City of Richmond HPN  
Benchmark network.  
Benchmark: HPN #234, Control  
Monument 77H4891  
Elevation = 1.125 metres  
(Benchmark: HPN #202, Control  
Monument 77H4623  
Elevation = 1.452 metres)

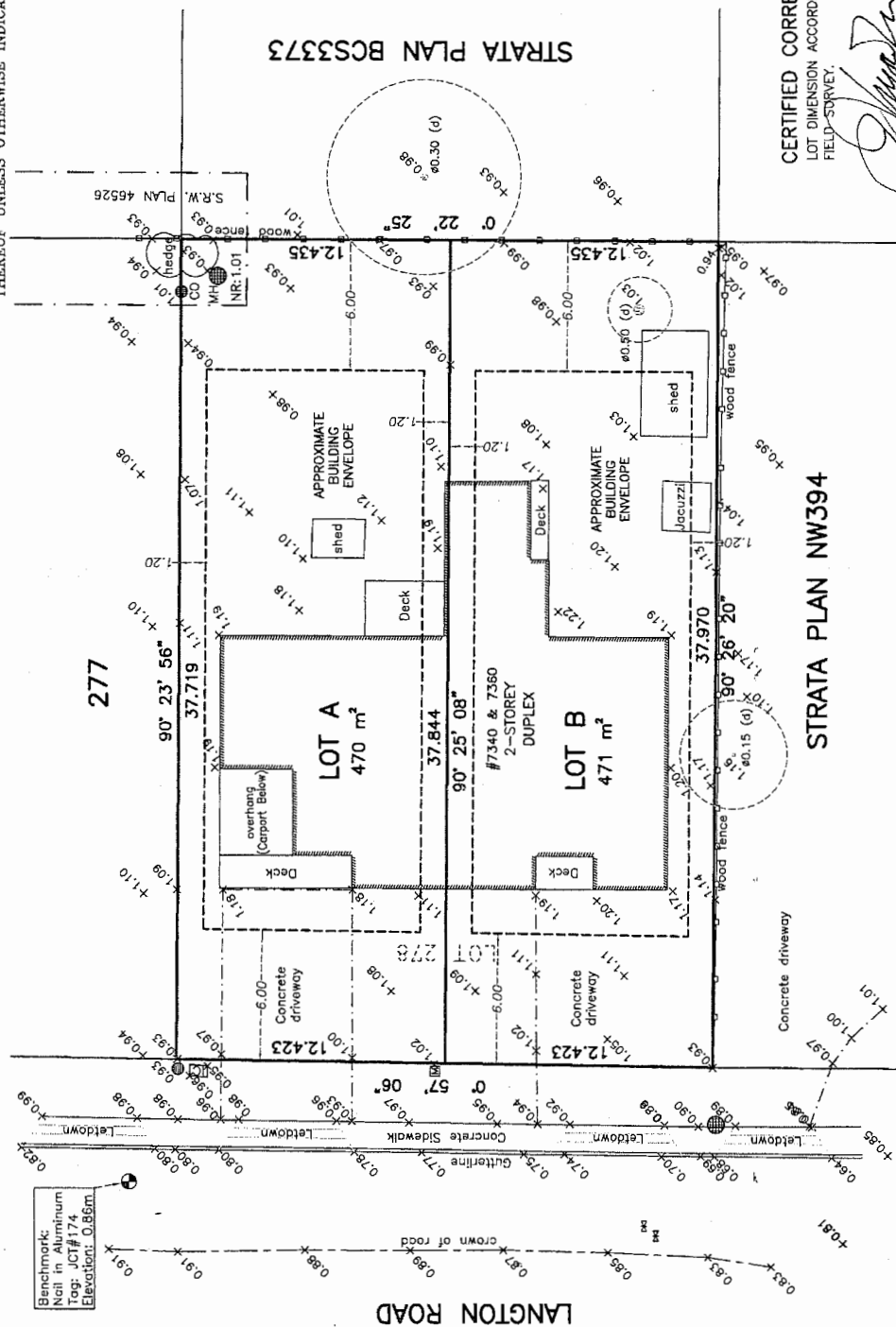
© copyright  
J. C. Tam and Associates  
Canada and B.C. Land Surveyor  
115 - 8833 Odlin Crescent  
Richmond, B.C. V6X 3Z7  
Telephone: 214-8928  
Fax: 214-8929  
E-mail: office@jctam.com  
Website: www.jctam.com  
Job No. 6568  
FB-309 P33-35  
Drawn By: MY

**DWG No. 6568-TOPO**

SCALE: 1:200



ALL DISTANCES ARE IN METRES AND DECIMALS  
THEREOF UNLESS OTHERWISE INDICATED



STRATA PLAN BC53373

STRATA PLAN NW394

CERTIFIED CORRECT:  
LOT DIMENSION ACCORDING TO  
FIELD SURVEY.

*Johnson C. Tam*  
JOHNSON C. TAM, B.C.L.S.  
MAY 24th, 2016.





**RZ 16-734207**

**Attachment 3**

Address: 7340/7360 Langton Road

Applicant: New Horizon Developments Ltd.

Planning Area(s): Blundell

	Existing	Proposed
<b>Owner:</b>	Lorie Ruth Nickel	To be determined
<b>Site Size (m<sup>2</sup>):</b>	941 m <sup>2</sup>	Lot A: 470 m <sup>2</sup> Lot B: 471 m <sup>2</sup>
<b>Land Uses:</b>	One (1) duplex	Two (2) single-family homes
<b>OCP Designation:</b>	Neighbourhood residential	No change
<b>Area Plan Designation:</b>	Neighbourhood residential	No change
<b>702 Policy Designation:</b>	Single Detached (RS2/B)	Single Detached (RS2/B)
<b>Zoning:</b>	Single Detached (RS1/E)	Single Detached (RS2/B)

On Future Subdivided Lots	Bylaw Requirement	Proposed	Variance
Floor Area Ratio:	Max. 0.55 for lot area up to 464.5 m <sup>2</sup> plus 0.30 for area in excess of 464.5 m <sup>2</sup>	Max. 0.55 for lot area up to 464.5 m <sup>2</sup> plus 0.30 for area in excess of 464.5 m <sup>2</sup>	None permitted
Buildable Floor Area*	Lot A: Max. 257.125 m <sup>2</sup> (2,768 ft <sup>2</sup> ) Lot B: Max. 257.425 m <sup>2</sup> (2,771 ft <sup>2</sup> )	Lot A: Max. 257.125 m <sup>2</sup> (2,768 ft <sup>2</sup> ) Lot B: Max. 257.425 m <sup>2</sup> (2,771 ft <sup>2</sup> )	None permitted
Lot Coverage (% of lot area):	Building: Max. 45% Non-porous Surfaces: Max. 70%	Building: Max. 45% Non-porous Surfaces: Max. 70%	None
Lot Size:	Min. 360 m <sup>2</sup>	Lot A: 470 m <sup>2</sup> Lot B: 471 m <sup>2</sup>	None
Lot Dimensions (m):	Width: Min. 12.0 m Depth: Min. 24.0 m	Width: 12.42 m Depth: 37.84 m	None
Setbacks (m):	Front: Min. 6.0 m Rear: Min. 6.0 m Side: Min. 1.2 m	Front: Min. 6.0 m Rear: Min. 6.0 m Side: Min. 1.2 m	None
Height (m):	Max. 9.0 m	Max. 9.0 m	None

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

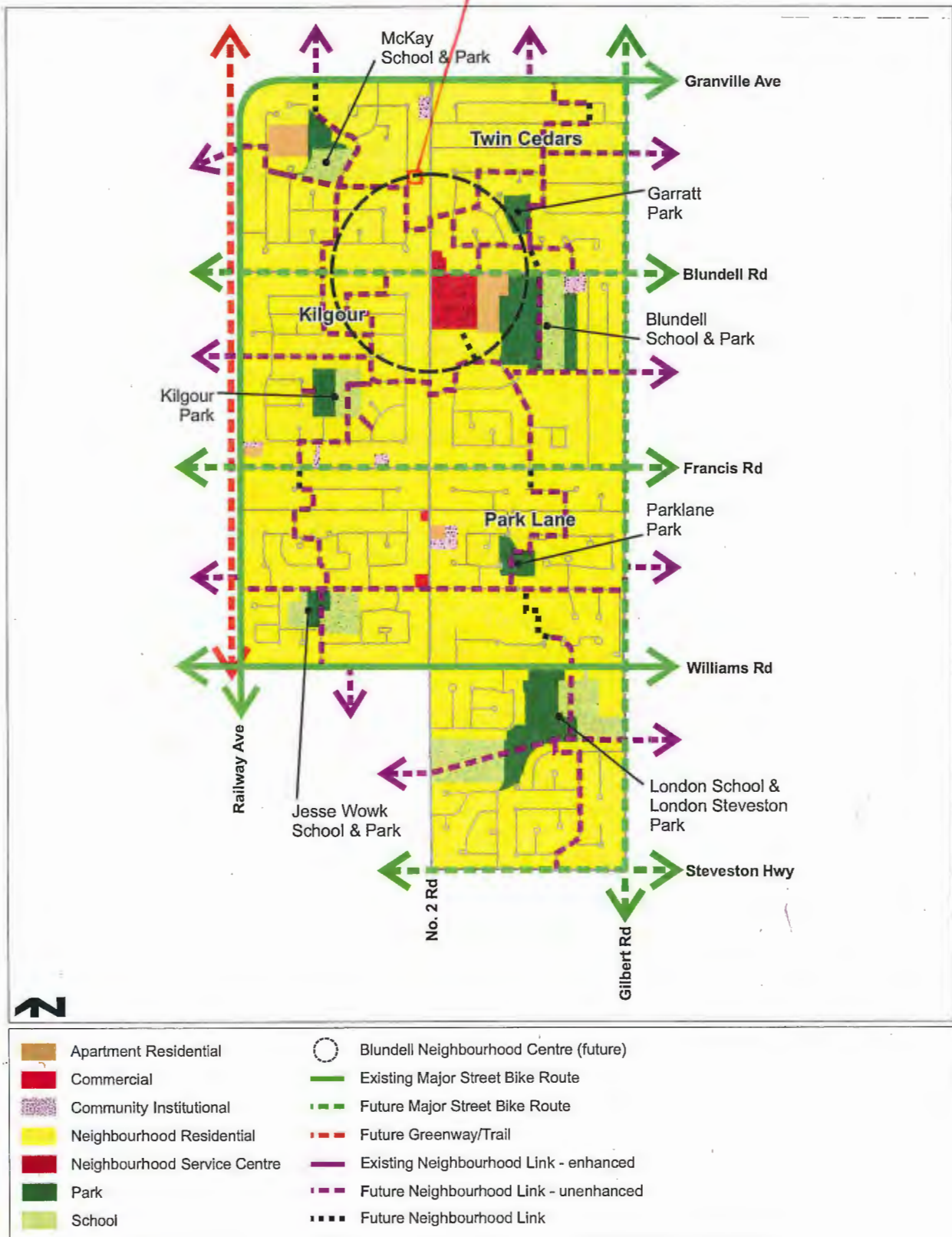
\* Preliminary estimate; not inclusive of garage; exact building size to be determined through zoning bylaw compliance review at Building Permit stage.





## 5. Blundell

### SUBJECT PROPERTY



PLN - 283



**POLICY 5463:**

The following policy establishes lot sizes for properties within the area generally bounded by **Railway Avenue, Blundell Road and No. 2 Road**, in a portion of Section 13-4-7 as shown on the attached map:

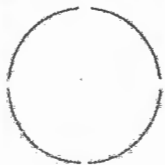
That properties within the area generally bounded by Railway Avenue, Blundell Road and No. 2 Road, in a portion of Section 13-4-7, be permitted to rezone and subdivide in accordance with the provisions of the "Single Detached (RS2/H)" zone in Richmond Zoning Bylaw 8500, with the exception that:

1. The "Single Detached (RS2/E)" zone applies to lots with frontage on No. 2 Road and Blundell Road that do not have a lane or internal road access;
2. The "Single Detached (RS2/B)" zone applies to properties with duplexes on them with the exception that the "Single Detached (RS2/E)" zone applies to those properties with frontage on No. 2 Road and Blundell Road that do not have lane or internal road access;
3. The "Single Detached (RS2/B)" zone applies to properties generally fronting Lindsay Road and Linfield Gate in the western portion of Section 13-4-7; and

That this policy be used to determine the disposition of future single-family rezoning applications in this area, for a period of not less than five years, unless amended according to Richmond Zoning Bylaw 8500.

[illegible]

Subdivision permitted as per **RS2/B** with the exception that **RS2/E** applies to lots facing Railway Avenue that do not have a lane or internal road access.



Policy 5463  
Section 13, 4-7

Amended Date: 11/16/15





**Address:** 7340/7360 Langton Road

**File No.:** RZ 16-734207

**Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 9609, the developer is required to complete the following:**

1. Submission of a Landscape Security in the amount of \$2,000 (\$500/tree) to ensure that a total of two (2) trees are planted and maintained on each lot proposed (for a total of four (4) trees); minimum 6 cm deciduous caliper or 3.5 m high conifers).
2. Registration of a flood indemnity covenant on Title.
3. The granting of a 3.0 m by 13.0 m extension of the existing statutory right-of-way along the east property line for the municipal sanitary sewer.
4. The City's acceptance of the applicant's voluntary contribution of \$2.00 per buildable square foot of the single-family developments (i.e. \$11,077.13) to the City's Affordable Housing Reserve Fund.

**Note:** Should the applicant change their mind about the Affordable Housing option selected prior to final adoption of the Rezoning Bylaw, the City will accept a proposal to build a secondary suite on each of the two (2) future lots at the subject site. To ensure that a secondary suite is built to the satisfaction of the City in accordance with the Affordable Housing Strategy, the applicant is required to enter into a legal agreement registered on Title as a condition of rezoning, stating that no final Building Permit inspection will be granted until a secondary suite is constructed to the satisfaction of the City, in accordance with the BC Building Code and the City's Zoning Bylaw.

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

1. Complete the following servicing works and off-site improvements. These may be completed through a Servicing Agreement\* or a City work order.

*Water Works:*

- Using the OCP Model, there is 311 L/second of water available at a 20 psi residual at the Langton Road frontage. Based on your proposed development, your site requires a minimum fire flow of 95 L/second.
- The Developer is required to:
  - Submit Fire Underwriter Survey (FUS) or International Organization for Standardization (ISO) fire flow calculation to confirm the development has adequate fire flow for onsite fire protection. Calculation must be signed by a Professional Engineer and be based on Building Permit Stage Building designs.
- At the Developer's cost, the City is to:
  - Install two (2) new water service connections off of the existing 200 mm PVC watermain on Langton Road, complete with meter and meter box.
  - Cut and cap, at main, the existing water service connection at the Langton Road frontage.

*Storm Sewer Works*

- At Developer's cost, the City is to:
  - Install a new storm service connection off of the existing manhole STMH2842, complete with inspection chamber and dual service leads.
  - Cut and cap the existing storm service connection currently servicing the subject site.

*Sanitary Sewer Works*

- The Developer is required to:
  - Not start on-site building construction prior to completion of rear yard sanitary works.
- At Developer's cost, the City is to:
  - Extend south approximately 10.0 m the existing 150 mm sanitary sewer along the east property line.
  - Relocate the existing manhole SMH2764 to the south extent of the newly constructed sewer.
  - Install dual service leads to the newly relocated manhole to service both the subdivided lots. The manhole will serve as the inspection chamber.
  - Cut and cap the existing sanitary lead at the northeast corner of the development site.

#### *Frontage Improvements*

- The Developer is required to:
  - Coordinate with BC Hydro, Telus, and other private communication service providers:
    - When relocating or modifying any of the existing poles and/or guy wires within the property frontages.
    - To determine if above ground structures are required and coordinate their locations (E.g. Vista, LPT, Shaw cabinets, Telus kiosks, etc.). These should be located on-site.
- All removal and relocation of sidewalk panels and curb letdowns to be done at Developer's cost.

#### *General Items*

- The Developer is required to:
  - 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 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. 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.

---

Signed

---

Date



**Richmond Zoning Bylaw 8500  
Amendment Bylaw 9609 (RZ 16-734207)  
7340/7360 Langton Road**

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 **"SINGLE DETACHED (RS2/B)"**.

P.I.D. 003-880-818

Lot 278 Section 13 Block 4 North Range 7 West New Westminster District Plan 46525

2. This Bylaw may be cited as **"Richmond Zoning Bylaw 8500, Amendment Bylaw 9609"**.

FIRST READING

A PUBLIC HEARING WAS HELD ON

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

ADOPTED

\_\_\_\_\_  
MAYOR

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

CITY OF RICHMOND
APPROVED by <i>BK</i>
APPROVED by Director or Solicitor <i>hl</i>



# City of Richmond

## Report to Committee Planning and Development Division

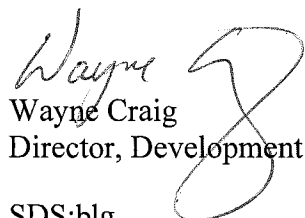
**To:** Planning Committee  
**From:** Wayne Craig  
Director, Development

**Date:** September 6, 2016  
**File:** RZ 16-722173

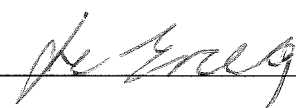
**Re:** Application by Greg Klemke for Rezoning at 9771 Seavale Road from Single Detached (RS1/E) to Single Detached (RS2/B)

### Staff Recommendation

That Richmond Zoning Bylaw 8500, Amendment Bylaw 9611, for the rezoning of 9771 Seavale Road from "Single Detached (RS1/E)" to "Single Detached (RS2/B)", be introduced and given first reading.

  
Wayne Craig  
Director, Development

SDS:blg  
Att. 6

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

## **Staff Report**

### **Origin**

Greg Klemke has applied to the City of Richmond for permission to rezone the property at 9771 Seavale Road from the “Single Detached (RS1/E)” zone to the “Single Detached (RS2/B)” zone, to permit the property to be subdivided to create two (2) lots, with vehicle access from Seavale Road for one lot and an existing rear lane for the other lot (Attachment 1). The site is currently occupied by a single-family dwelling, which will be demolished. A site survey showing the proposed subdivision plan is included in Attachment 2.

### **Findings of Fact**

A Development Application Data Sheet providing details about the development proposal is attached (Attachment 3).

### **Surrounding Development**

Development immediately surrounding the subject site is as follows:

- To the North: Single-family dwellings on lots zoned “Single Detached (RS1/E)” fronting Seaport Avenue.
- To the South: Single-family dwellings on lots zoned “Single Detached (RS1/E)” fronting Seavale Road.
- To the East: Single-family dwellings on lots zoned “Single Detached (RS1/E)” fronting Seavale Road.
- To the West: Across a lane, single-family dwellings on lots zoned “Single Detached (RS1/E)” fronting Seacote Road.

### **Related Policies & Studies**

#### **Official Community Plan**

The Official Community Plan (OCP) land use designation for the subject property is “Neighbourhood Residential”. The proposed rezoning and subdivision would comply with this designation.

#### **Single-Family Lot Size Policy 5409/Zoning Bylaw 8500**

The subject property is located within the area governed by Single-Family Lot Size Policy 5409 (adopted by Council on April 10, 1989 and last amended in 2013) (Attachment 4). The Lot Size Policy permits the property to be rezoned and subdivided in accordance with the provisions of the “Single Detached (RS1/B)” zone. The proposed rezoning and subdivision would comply with the requirements of the “Single Detached (RS2/B)” zone and Lot Size Policy 5409.

## **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.

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**

### **Existing Legal Encumbrances**

There is an existing 3.0 m wide statutory right-of-way (SRW) registered on Title for utilities in the rear yard along the north property line; which will not be impacted by the proposed development, and will remain on proposed Lot 2. The applicant is aware that encroachment into the statutory right-of-way is not permitted.

### **Site Access**

In an effort to maximize opportunities for tree retention of mature healthy trees on-site, vehicle access to proposed Lot 1 (western lot) will be through the Seavale Road cul-de-sac. Vehicle access to proposed Lot 2 (eastern lot) will be via the existing rear lane. A restrictive covenant is to be registered on Title for proposed Lot 2 at Subdivision stage to ensure that vehicle access will be from the existing rear lane.

### **Tree Retention and Replacement**

A Certified Arborist's Report was submitted by the applicant; which identifies tree species, assesses tree structure and condition, and provides recommendations for tree retention and removal related to the proposed development. The report assesses 17 trees on the subject property and three (3) trees on the neighbouring property.

The City's Tree Preservation Coordinator has reviewed the Arborist's Report, conducted on-site visual tree assessment, and concurs with the Arborist's recommendations to:

- Retain and protect six (6) Cottonwood trees (tag# 236, 237, 238, 239, 240 & 241) located on the west side of the development site due to good condition (66, 71, 60, 71, 66, 88 cm dbh). The applicant has agreed to provide vehicle access from Seavale Road to proposed Lot 1 in order for these trees to be retained.



- Retain and protect one (1) Birch tree (tag# 247) and one (1) Cedar tree (tag# 258) located on the development site due to good condition (21 & 80 cm dbh).
- Retain and protect three (3) trees (tag# 1, 2 & 3) on the neighbouring property to the south.
- Remove and replace one (1) Pear tree and two (2) Cottonwood trees (tag# 233, 234 & 235) located on the development site due to poor condition and conflict with the proposed Lot 2 rear lane access (29, 93, 86 cm dbh).
- Remove and replace four (4) trees (tag# 232, 248, 249 & 254) located on the development site due to poor condition, including disease and limb failure (64, 34, 66, 33 cm dbh).
- Remove and replace two (2) Cottonwood trees (tag# 242 & 243) located on the development site due to conflict with the proposed development (76 & 127 cm dbh). This tree species has a tendency to shed branches and are not good specimens to be retained in close proximity to a structure.

#### *Tree Protection*

Eight (8) trees (tag# 236, 237, 238, 239, 240, 241, 247 & 258) on the subject property and three (3) trees (tag# 1, 2 & 3) on the neighbouring property are to be retained and protected. The applicant has submitted a Tree Management Plan; which outlines the protection of these trees (Attachment 5). To ensure the protection of the 11 trees, the applicant is required to complete the following:

- Prior to final adoption of the rezoning bylaw, submission of a contract with a Certified Arborist for supervision of all works conducted within close proximity to tree protection zones. The contract must include the scope of work, including the number of monitoring inspections, 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.
- Submission of a Survival Security in the amount of \$18,000 for the eight (8) on-site trees to be retained and protected.
- Prior to demolition of the existing dwelling on the subject site, installation of tree protection fencing around all on and off-site 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 must remain in place until construction and landscaping works are completed.

#### *Tree Replacement*

For the removal of the nine (9) trees (tag# 232, 233, 234, 235, 242, 243, 248, 249 & 254) on the subject property, the OCP replacement ratio goal of 2:1 requires 18 replacement trees. Considering the limited space in the yards of the proposed lots due to the 3 m wide statutory right-of-way in the rear yard and the eight (8) trees to be retained, the applicant's Arborist has indicated that four (4) additional replacement trees can be accommodated on-site. The applicant has proposed to plant and maintain one (1) tree on proposed Lot 1, in addition to the six (6) trees

to be retained and protected, and three (3) trees on proposed Lot 2, in addition to the two (2) trees to be retained and protected.

As per Tree Protection Bylaw No. 8057, based on the sizes of the on-site trees being removed (29-127 cm dbh), replacement trees shall be the following minimum sizes:

No. of Replacement Trees	Minimum Caliper of Deciduous Replacement Tree	or	Minimum Height of Coniferous Replacement Tree
1	8 cm		4 m
1	9 cm		5 m
1	10 cm		5.5 m
1	11 cm		6 m

The applicant is also required to submit a cash-in-lieu contribution in the amount of \$7,000 (\$500/tree) to the City's Tree Compensation Fund for the balance of required replacement trees not planted on the proposed lots (14 trees).

To ensure that the four (4) replacement trees are planted on-site at development stage, the applicant is required to submit a Landscaping Security in the amount of \$2,000 (\$500/tree) prior to final adoption of the rezoning bylaw. Securities will not be released until a landscaping inspection has been passed by City staff after construction and landscaping has been completed. The City may retain a portion of the security for a one-year maintenance period from the date of the landscape inspection.

### **Affordable Housing Strategy**

The City's current Affordable Housing Strategy (adopted by Council September 14, 2015) for single-family rezoning applications requires a secondary suite on 100% of new lots, or a secondary suite on 50% of new lots, plus a cash-in-lieu contribution of \$2.00/ft<sup>2</sup> of total buildable area towards the City's Affordable Housing Reserve Fund for the remaining 50% of new lots, or a 100% cash-in-lieu contribution.

The applicant proposes to provide a legal secondary suite in the dwelling on one (1) of the two (2) lots proposed at the subject site. To ensure that the secondary suite is built to the satisfaction of the City in accordance with the City's Affordable Housing Strategy, the applicant is required to enter into a legal agreement registered on Title, stating that no final Building Permit inspection will be granted until the secondary suite is constructed to the satisfaction of the City in accordance with the BC Building Code and Richmond Zoning Bylaw 8500. Registration of this legal agreement is required prior to final adoption of the rezoning bylaw.

For the remaining one (1) lot, the applicant proposes to provide a voluntary contribution to the Affordable Housing Reserve Fund based on \$2.00/ft<sup>2</sup> of total buildable area (i.e. \$5,996.46) in-lieu of providing a secondary suite. The cash-in-lieu contribution must be submitted prior to final adoption of the rezoning bylaw.

**Site Servicing and Frontage Improvements**

At future subdivision and building permit stage, the applicant is required to complete the following:

- Frontage improvements including, but not limited to, removal of existing driveway access to proposed Lot 2, which will have rear lane access, replaced with a new sidewalk. Driveway for proposed Lot 1 to be constructed to City design standards.
- Payment of current year's taxes, Development Cost Charges (City and GVS & DD), School Site Acquisition Charge, Address Assignment Fees, and the costs associated with the completion of the required servicing works and frontage improvements as described in Attachment 6.

**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).

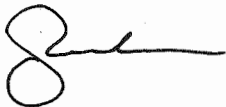
**Conclusion**

The purpose of this rezoning application is to rezone the property at 9771 Seavale Road from Single Detached (RS1/E)" to "Single Detached (RS2/B)", to permit the property to be subdivided to create two (2) lots.

This rezoning application complies with the land use designations and applicable policies contained within the OCP for the subject site.

The list of rezoning considerations is included in Attachment 6, which has been agreed to by the applicant (signed concurrence on file).

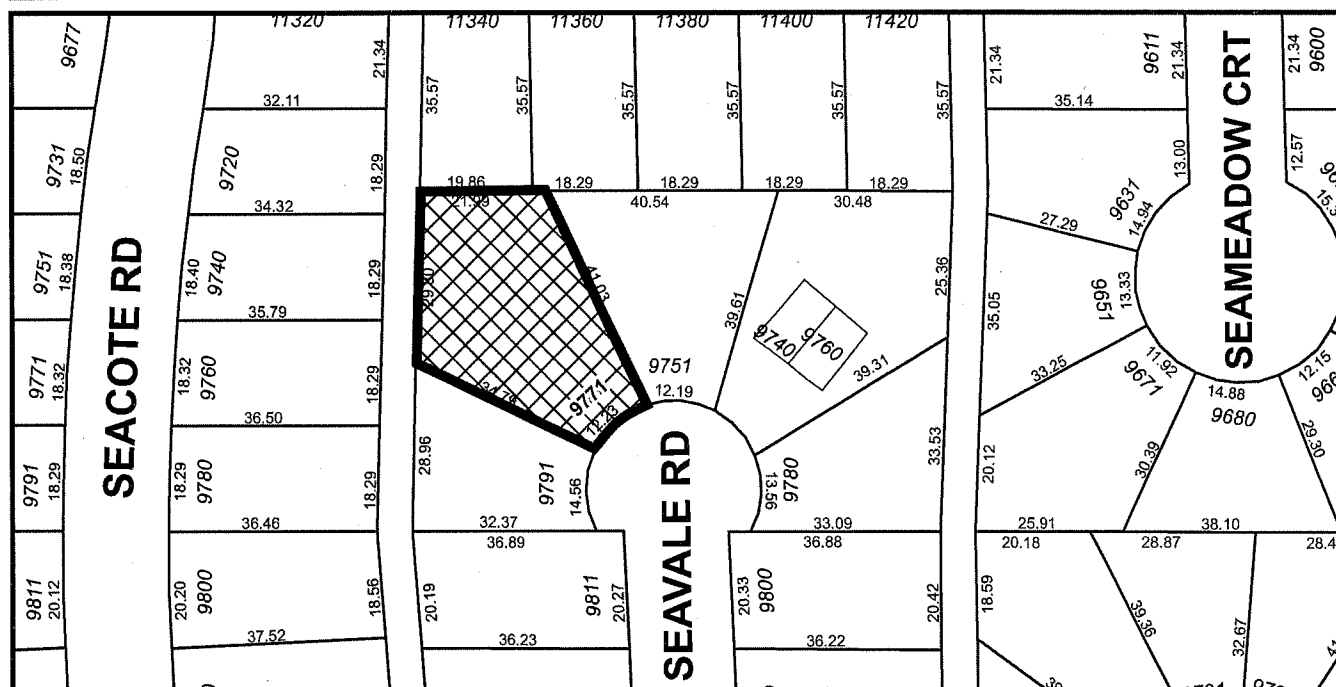
On this basis, it is recommended that Richmond Zoning Bylaw 8500, Amendment Bylaw 9611 be introduced and given first reading.



Steven De Sousa  
Planning Technician – Design  
(604-276-8529)

SDS:blg

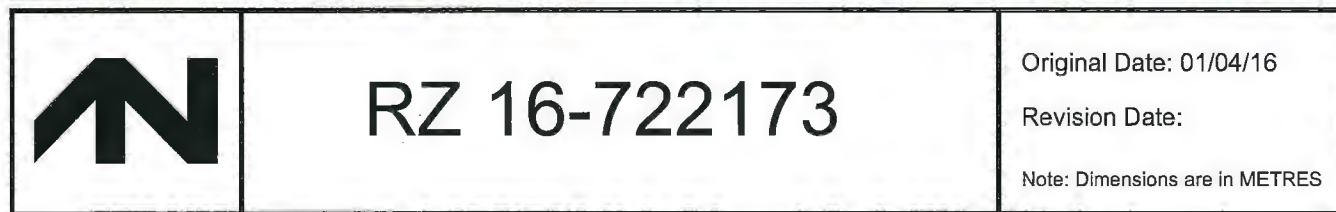
- Attachment 1: Location Map
- Attachment 2: Conceptual Development Plans
- Attachment 3: Development Application Data Sheet
- Attachment 4: Lot Size Policy 5409
- Attachment 5: Tree Management Plan
- Attachment 6: Rezoning Considerations

[illegible]

Note: Dimensions are in METRES

**PLN - 297**





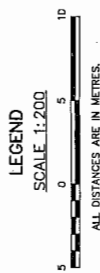
# SURVEY PLAN OF LOT 68 SECTION 25 BLOCK 4 NORTH RANGE 6 WEST NEW WESTMINSTER DISTRICT PLAN 35759

PID: 003-486-231

CIVIC ADDRESS:

#9771 SEVALE ROAD  
RICHMOND, B.C.

FOR CITY OF RICHMOND  
APPLICATION PURPOSES



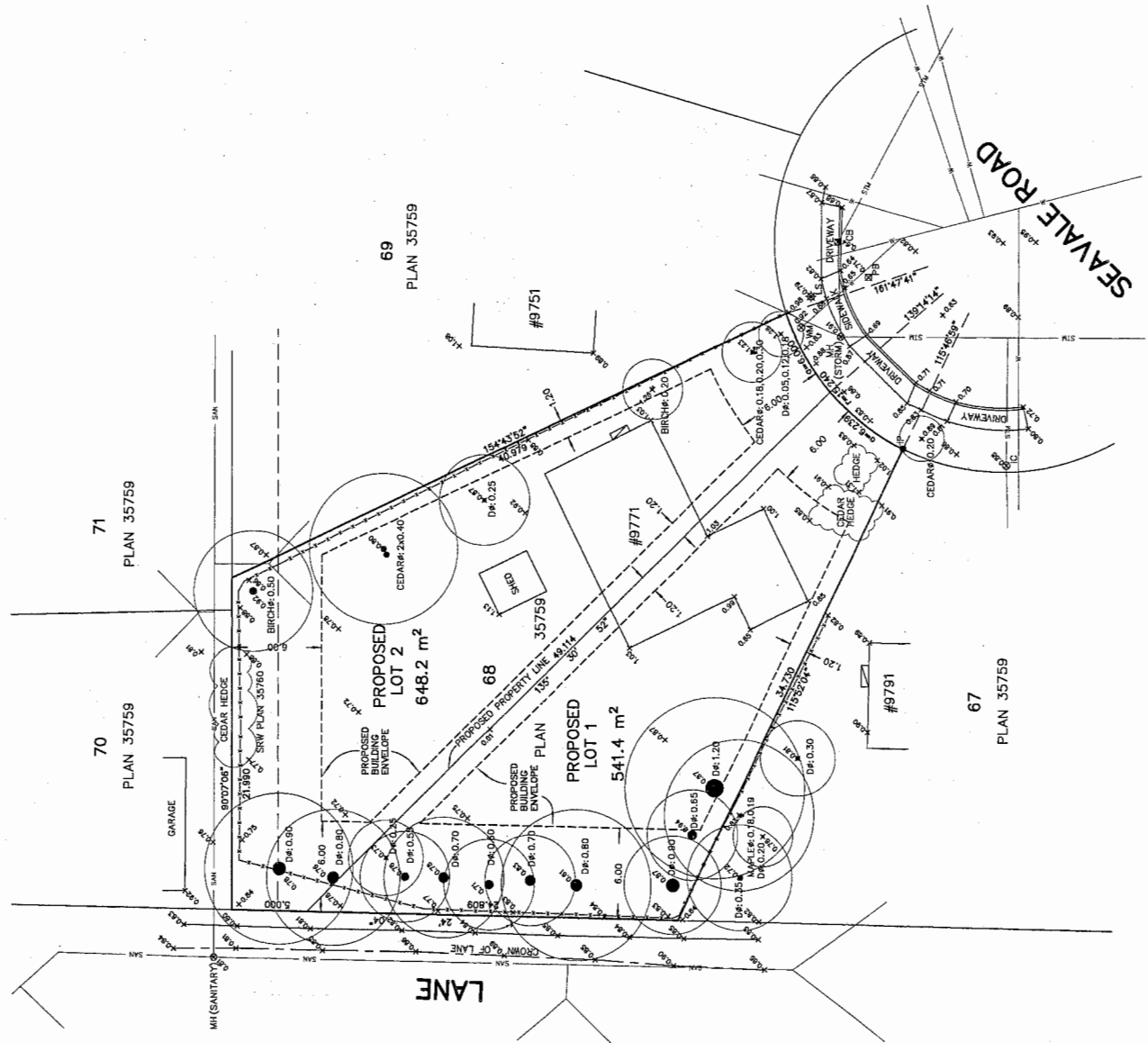
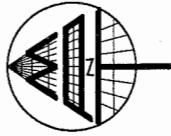
- INDICATES SPOT ELEVATION
- IP INDICATES IRON POST
- CB INDICATES CATCH BASIN
- SB INDICATES SULLBOX
- WM INDICATES WATER METER
- OH INDICATES MANHOLE
- LS INDICATES LAMP STANDARD
- IC INDICATES INSPECTION CHAMBER
- CONC. INDICATES CONCRETE
- D INDICATES DECIDUOUS TREE
- TR INDICATES TREE TRUNK DIAMETER
- ST INDICATES STORM
- SA INDICATES SANITARY
- W INDICATES WATER

**PLN 299**  
CURRENT ZONING: RSI/E  
PROPOSED ZONING: RSI/B

- NOTES:**
- PROPERTY LINE DIMENSIONS ARE DERIVED FROM LAND TITLE OFFICE RECORDS AND FIELD SURVEY.
  - ELEVATIONS ARE IN METRES AND ARE DERIVED FROM THE VERTICAL DATUM (VD) OF THE DISTRICT OF RICHMOND (ELEVATION 1.864 METRES).
  - ALL DESIGNATED TREES AS DEFINED BY CITY OF RICHMOND BYLAW NO. 8057, ARE SHOWN HEREON.
  - PROPOSED BUILDING ENVELOPES TO BE CONFIRMED BY CITY OF RICHMOND.

**MATSON PECK & TOPLISS**  
SURVEYORS & ENGINEERS  
#320 - 11120 HORSESHOE WAY  
RICHMOND, B.C., V7A 5H7  
PH: 604-270-9331  
FAX: 604-270-4137  
CADFILE: 18009-001-TPG-001.DWG

R-16-18009-TPG



CERTIFIED CORRECT  
THIS 27th DAY OF AUGUST, 2016

DATE OF SURVEY: NOVEMBER 5, 2015



**RZ 16-722173**

**Attachment 3**

Address: 9771 Seavale Road

Applicant: Greg Klemke

Planning Area(s): Shellmont

	Existing	Proposed
Owner:	R. & B. Busse	To be determined
Site Size:	1,189.6 m <sup>2</sup> (12,804 ft <sup>2</sup> )	Lot 1: 541.4 m <sup>2</sup> (5,827 ft <sup>2</sup> ) Lot 2: 648.2 m <sup>2</sup> (6,977 ft <sup>2</sup> )
Land Uses:	Single-family residential	No change
Designations: OCP Lot Size Policy 5409	Neighbourhood Residential Single Detached (RS2/B)	Complies Complies
Zoning:	Single Detached (RS1/E)	Single Detached (RS2/B)
Number of Units:	1	2

On Future Subdivided Lots	Bylaw Requirement	Proposed		Variance
Floor Area Ratio:	Max 0.55 for 464.5 m <sup>2</sup> of Lot Area + Max. 0.3 for Remainder	Max 0.55 for 464.5 m <sup>2</sup> of Lot Area + Max. 0.3 for Remainder		None Permitted
Buildable Floor Area*	Lot 1: Max. 278 m <sup>2</sup> (2,992 ft <sup>2</sup> ) Lot 2: Max. 310 m <sup>2</sup> (3,336 ft <sup>2</sup> )	Lot 1: Max. 278 m <sup>2</sup> (2,992 ft <sup>2</sup> ) Lot 2: Max. 310 m <sup>2</sup> (3,336 ft <sup>2</sup> )		None Permitted
Lot Coverage:	Buildings: Max. 45% Non-Porous: Max. 70% Landscaping: Max. 25%	Buildings: Max. 45% Non-Porous: Max. 70% Landscaping: Max. 25%		None
Lot Size:	Min. 360 m <sup>2</sup>	Lot 1: 541 m <sup>2</sup> Lot 2: 648 m <sup>2</sup>		None
Lot Dimensions:	Width: Min. 12 m Depth: Min. 24 m	Lot 1 Width: 15 m Depth: 41 m	Lot 2 Width: 14 m Depth: 45 m	None
Setbacks:	Front: Min. 6 m Interior Side: Min. 1.2 m Rear: Min. 6 m	Front: Min. 6 m Interior Side: Min. 1.2 m Rear: Min. 6 m		None
Height:	Max. 2 ½ Storeys & within Residential Vertical Lot Envelopes	Max. 2 ½ Storeys & within Residential Vertical Lot Envelopes		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.



# City of Richmond

# Policy Manual

Page 1 of 2

Adopted by Council: April 10, 1989  
 Amended by Council: October 16, 1995  
 Amended by Council: July 16, 2001\*  
 Amended by Council: October 21, 2013

**POLICY 5409**

File Ref: 4045-00

**SINGLE-FAMILY LOT SIZE POLICY IN QUARTER-SECTION 25-4-6**

## **POLICY 5409:**

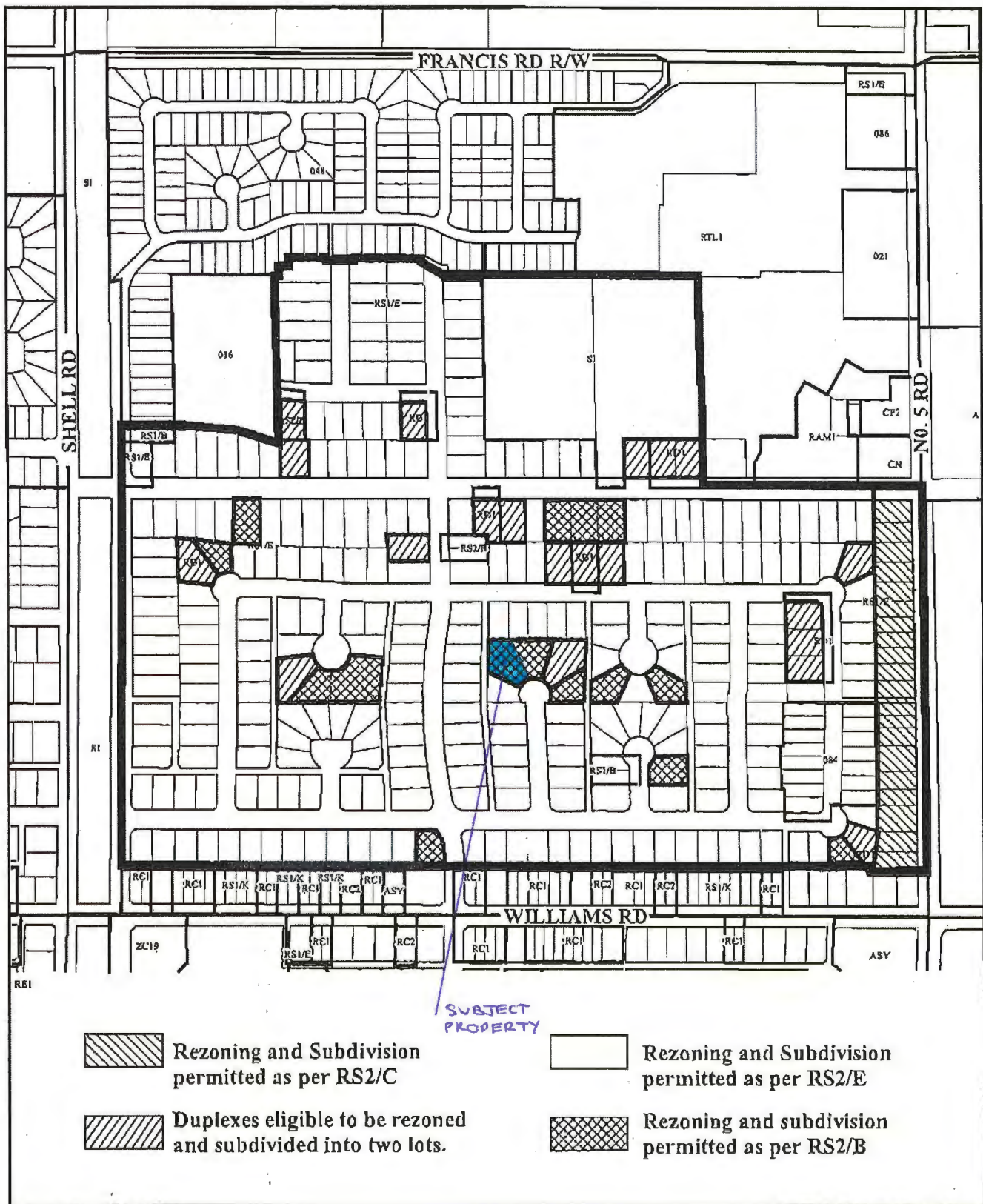
The following policy establishes lot sizes for the area generally bounded by **Shell Road, King Road, No. 5 Road** and **properties fronting onto Seaton Road**, in a portion of Section 25-4-6:

1. That properties within the area be permitted to rezone and subdivide in accordance with the provisions of Single Detached (RS2/E) in Richmond Zoning Bylaw 8500, with the following exceptions:
  - (a) properties with existing duplexes identified on the accompanying plan may be rezoned and subdivided into a maximum of two lots;
  - (b) properties with frontage on No. 5 Road may be rezoned and subdivided as per Single Detached (RS2/C); and
  - (c) properties shown as "cross-hatched" on the accompanying plan may be rezoned and subdivided as per Single Detached (RS2/B).

This policy, as shown on the accompanying plan, is to be used to determine the disposition of future single-family rezoning applications in this area for a period of not less than five years, unless changed by the amending procedures contained in Richmond Zoning Bylaw 8500.

\* Original Adoption Date In Effect

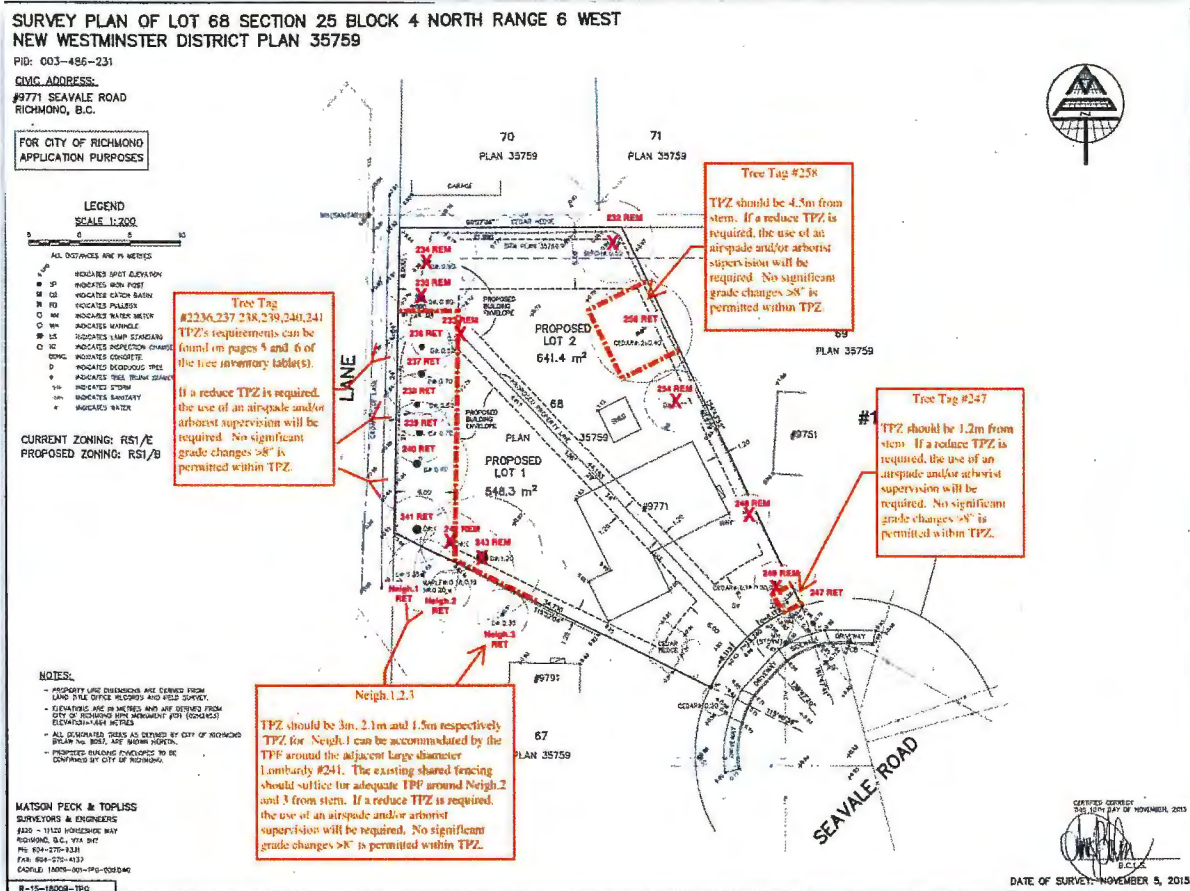






Defined Treescape: Proposed Rezoning/Sub-Development 9771 Seavale Rd. Richmond, BC

## Site Plan (Mark up)



## TREE REPLACEMENT PLAN - SUGGESTED PLANT LIST AND LOCATION(S)

## NOTE:

- H denotes required size in height; C denotes required size in caliper
- Planting(s) should be scheduled for the late winter / early spring or early fall

CODE	QTY	SIZE	REP. TREE #	BOTANICAL NAME	COMMON NAME
JS	2	C: 6cm	1,3	<i>Styrax japonica</i>	Japanese Snowbell
VM	1	C: 6cm	2	<i>Acer circinatum</i>	Vine Maple
HL	1	C: 6cm	4	<i>Gleditsia tricanthos</i> <i>intermis</i> 'Sunburst'	Honey Locust

Note: Tree species and installation locations will have to be determined once a final site plan drawing for each proposed building envelope is completed. We have determined (preliminary) that approximately 4 trees can be installed post development(s). The residual required trees should be held through the cash-in-lieu protocol until final installation locations can be determined.



**Address:** 9771 Seavale Road

**File No.:** RZ 16-722173

**Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 9611, the developer is required to complete the following:**

1. Submission of a Landscaping Security in the amount of \$2,000 (\$500/tree) to ensure that a total of four (4) replacement trees are planted and maintained on the proposed lots with the following minimum sizes:

No. of Replacement Trees	Minimum Caliper of Deciduous Tree	or	Minimum Height of Coniferous Tree
1	8 cm		4 m
1	9 cm		5 m
1	10 cm		5.5 m
1	11 cm		6 m

The security will not be released until an acceptable impact assessment report by the Certified Arborist is submitted and a landscaping inspection has been passed by City staff. The City may retain a portion of the security for a one-year maintained period.

If required replacement trees cannot be accommodated on-site, a cash-in-lieu contribution in the amount of \$500/tree to the City's Tree Compensation Fund for off-site planting is required.

- City acceptance of the developer's offer to voluntarily contribute \$7,000 to the City's Tree Compensation Fund for the planting of replacement trees within the City.
- Submission of a Contract entered into between the applicant and a Certified Arborist for supervision of any on-site works conducted within the tree protection zone of the trees to be retained. 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.
- Submission of a Tree Survival Security to the City in the amount of \$18,000 for the eight (8) trees to be retained.
- Registration of a flood indemnity covenant on Title.
- Registration of a legal agreement on Title to ensure that no final Building Permit inspection is granted until a secondary suite is constructed on one (1) of the two (2) future lots, to the satisfaction of the City in accordance with the BC Building Code and the City's Zoning Bylaw.
- The City's acceptance of the applicant's voluntary contribution of \$2.00 per buildable square foot of the single-family developments (i.e. \$5,996.46) to the City's Affordable Housing Reserve Fund.

**At Demolition Permit\* stage, the developer is required to complete the following:**

- 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 must remain in place until construction and landscaping on-site is completed.

**At Subdivision\* stage and Building Permit\* stage, the developer must complete the following:**

- Registration of a legal agreement on Title ensuring that the only means of vehicle access to proposed Lot 2 (eastern most lot) is from the existing rear lane.
- Payment of current year's taxes, Development Cost Charges (City and GVS & DD), School Site Acquisition Charge, Address Assignment Fees, and the cost associated with the completion of the required servicing works and frontage improvements.
- If applicable, 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 **PLN-364**.

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

4. The following servicing works and off-site improvements may be completed through either: a) a Servicing Agreement\* entered into by the applicant to design and construct the works to the satisfaction of the Director of Engineering; or b) a cash contribution (based on the City's cost estimate for the works) for the City to undertake the works at development stage:

*Water Works:*

- a. Using the OCP Model, there is 76 L/s of water available at a 20 psi residual at the Seavale 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 on-site fire protection. Calculations must be signed and sealed by a Professional Engineer and be based on Building Permit Stage and Building designs.
- c. At the Developers cost, the City is to:
  - Cut and cap at main, the existing water service connection at the Seavale Road frontage.
  - Install two new water service connections complete with meter and meter box.
  - Install a new fire hydrant to service the cul-de-sac on Seavale Road, east of the common property line of 9831 and 9811 Seavale Road.

*Storm Sewer Works:*

- d. The Developer is required to:
  - Retain existing storm service connections at the southeast corner of the lot.
- e. At the Developers cost, the City is to:
  - Install a new storm service connection off of the existing 200mm storm sewer on Seavale Road complete with inspection chamber to service the southern proposed lot.

*Sanitary Sewer Works:*

- f. The Developer is required to:
  - Retain the existing sanitary service connection at the northeast corner of the lot.
- g. At the Developers cost, the City is to:
  - Install a new sanitary service connection complete with inspection chamber, off of the existing 200 mm sanitary sewer on the lane west of the proposed lot.

*Frontage Improvements:*

- h. The Developer is required to:
  - Coordinate with BC Hydro, Telus and other private communication service providers:
    - When relocating/modifying any of the existing power poles and/or guy wires within the property frontages.
    - To determine if above ground structures are required and coordinate their locations (e.g. Vista, PMT, LPT, Shaw cabinets, Telus Kiosks, etc.).
  - Complete other frontage improvements as per Transportation's requirements
- i. Frontage improvements to be completed at Developer's cost include, but are not limited to, the following:
  - Existing driveway access to be removed and replaced complete with sidewalk panels fronting proposed Lot 2, which will have rear access.
  - Proposed Lot 1 driveway to be constructed to current City design standards.

*General Items:*

- a. The Developer is required to:
    - 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.
5. If applicable, payment of latecomer agreement charges associated with eligible latecomer works.
6. 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.

[signed copy on file]

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Signed

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Date



**Richmond Zoning Bylaw 8500  
Amendment Bylaw 9611 (RZ 16-722173)  
9771 Seavale Road**

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 **"SINGLE DETACHED (RS2/B)"**.

P.I.D. 003-486-231

Lot 68 Section 25 Block 4 North Range 6 West New Westminster District Plan 35759

2. This Bylaw may be cited as **"Richmond Zoning Bylaw 8500, Amendment Bylaw 9611"**.

FIRST READING

A PUBLIC HEARING WAS HELD ON

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

ADOPTED

_____
_____
_____
_____
_____
_____

CITY OF RICHMOND
APPROVED by <i>BK</i>
APPROVED by Director or Solicitor <i>al</i>

\_\_\_\_\_  
MAYOR

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





# City of Richmond

## Report to Committee

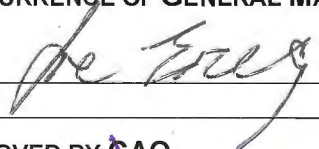

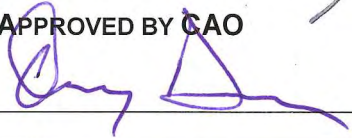
**To:** Planning Committee **Date:** September 13, 2016  
**From:** Joe Erceg, MCIP **File:**  
General Manager, Planning and Development  
**Re:** **Richmond Comments: Metro Vancouver's (MV) Proposed Five Year Review of the 2040 Regional Growth Strategy (RGS)**

### Staff Recommendation

That the Metro Vancouver (MV) Board be advised that the City of Richmond supports the Board's proposed five year review of the 2040 Regional Growth Strategy (RGS) and at this time does not propose any RGS amendments.

  
Joe Erceg, MCIP  
General Manager, Planning and Development  
(604-276-4083)

Att. 1

REPORT CONCURRENCE		
<b>ROUTED TO:</b>	<b>CONCURRENCE</b>	<b>CONCURRENCE OF GENERAL MANAGER</b>
Transportation	<input checked="" type="checkbox"/>	
<b>REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE</b>	<b>INITIALS:</b> 	<b>APPROVED BY CAO</b> 

## Staff Report

### Origin

On August 11, 2016, the Metro Vancouver (MV) Board invited MV local governments to comment regarding its proposed five year review of the 2040 Regional Growth Strategy: 'Shaping Our Future' (Attachment 1). The Board is seeking comments regarding the need for, and extent of a RGS review.

This report responds to this invitation.

### Council's 2014-2018 Term Goals and Priorities

This report supports Council's 2014-2018 Term Goals and Priorities:

- *Goal #3 A Well-Planned Community: Adhere to effective planning and growth management practices to maintain and enhance the livability, sustainability and desirability of our City and its neighbourhoods, and to ensure the results match the intentions of our policies and bylaws.*
  - *Priority: 3.1. Growth and development that reflects the OCP, and related policies and bylaws.*
- *Goal 5: Partnerships and Collaboration: Continue development and utilization of collaborative approaches and partnerships with intergovernmental and other agencies to help meet the needs of the Richmond community.*
- *Priorities*
  - *5.1 Advancement of City priorities through strong intergovernmental relationships.*
  - *5.2 Strengthened strategic partnerships that help advance City priorities.*

### Background

On July 29, 2011, the Metro Vancouver (MV) Board approved the 2040 Regional Growth Strategy (RGS) 'Shaping Our Future'. This Strategy is unique as it was prepared by collaboration with 21 local governments, two adjacent regional districts, TransLink and Metro Vancouver. The RGS provides a shared 2040 regional vision of how all will work together to shape the Region's growth by implementing shared goals, strategies and policies to co-ordinate matters of regional interest (e.g., land use, parks, transportation, economic development, housing, infrastructure [i.e., water, liquid waste, drainage, solid waste], environmental and climate change).

Under the Local Government Act, section 452 (2), the Board must consider whether the RGS must be reviewed for possible amendment, every five years (i.e., by July 29, 2016).

To meet this requirement, on August 11, 2016, the Metro Vancouver Board invited the 21 affected MV local governments to comment on the Metro Vancouver Board's proposed five year review of the 2040 Regional Growth Strategy. The MV Board is proposing an Engagement Process which involves asking affected local governments to comment on the need for and extent of a review of the Regional Growth Strategy (RGS). As well, the Board has posted a notice on

the Metro Vancouver web site, to allow the public to also comment on the need for a possible RGS amendment.

The deadline for comments to the MV Board is October 1, 2016.

## **Finding of Fact**

### Relevant Approval and Review Dates:

- 2040 RGS Adoption: On July 29, 2011, Metro Vancouver adopted the 2040 Regional Growth Strategy: 'Shaping Our Future' and the five year review period is July 29, 2016.
- Richmond Official Community Plan (OCP), Regional Context Statement (RCS) Acceptance: On November 16, 2012, the MV Board accepted Richmond's Regional Context Statement (RCS) which is a chapter in the 2041 OCP and indicates how the OCP is consistent with the 2040 RGS. The OCP Regional Context Statement five year review period is November 16, 2017 and not the subject of this report as it will be addressed in 2017.
- Richmond's 2041 OCP Adoption: On November 19, 2012, Richmond adopted its 2041 OCP and there is no required OCP review date.

### *The RGS is a 'Living' Regional Management Tool*

When the MV RGS was adopted in 2011, it was always been meant to be a 'living' management tool, so that it could be adapted, as necessary, to address changing needs and interests. There are four main ongoing aspects to RGS implementation, namely: (1) aligning the regional vision and local aspirations, (2) governing collaboratively, (3) advancing policy, and (4) monitoring progress. Metro Vancouver, as the steward of the RGS, strives to strike a balance between addressing varied local government interests while ensuring that the regional RGS framework remains strong to 2040. To date, the RGS has provided an agreed upon and co-ordinated focus for all to discuss how best to manage changing regional and municipal challenges and interests with the MV Board co-ordinating discussion and decisions.

### *MV RGS Amendments to Date*

Since its adoption in 2011, the Regional Growth Strategy has been amended to promote, improve and clarify the regional and municipal interests eight (8) times. These RGS amendments were approved to accommodate municipal aspirations by amending the RGS land use designations of sites: to add Frequent Transit Development Areas and Special Study Areas, to improve policy language, and to incorporate changes made through various accepted municipal OCP Regional Context Statements (RCSs).

### *MV RGS Research Initiatives*

Since its adoption, MV has undertaken significant policy research to clarify and advance the RGS including the preparation of: a series of 'Facts in Focus' policy backgrounders, a number of RGS Implementation Guidelines, applied research, such as the Housing and Transportation Cost Burden Study, an Apartment Parking Study, Industrial, Agricultural, Office, and Sensitive Ecosystem Inventories, a RGS Performance Measures Review, a Housing Data Book, and a

Regional Food System Action Plan. To date, the above MV initiatives demonstrate a strong, co-operative and ongoing commitment to 'review' the RCS, to ensure that it is continuously improved to achieve the Region's collective vision.

An example of a related complementary RGS initiative which better achieves the RGS Vision of improved regional transit is the establishment of the TransLink Mayors' Council Vision which identifies the Broadway and South of Fraser rapid transit lines which will be of significant regional benefit.

#### *Current and Proposed MV RGS Initiatives*

In addition to the above, Metro Vancouver advises that they are currently involved in and considering the following wide range of initiatives:

- 1) Protecting the ALR and Promoting Agricultural Viability
  - a) Asking the federal government to not allow the Port of Vancouver to expand on farmland (a Richmond initiative),
  - b) Reviewing options to have the BC Ministry of Agriculture establish a minimum house and floor plate size in the ALR (a Richmond initiative),
  - c) Implementing a Regional Food System Action Plan,
  - d) Advocating for changes to property tax policy to encourage farming and discourage non-farm use on agricultural land,
  - e) Updating the Metro Vancouver Agricultural Land Use Inventory (e.g., a five year update of Ministry of Agriculture's Survey),
  - f) Considering RGS policy amendments regarding the extension of regional sewerage services to support Urban Containment Boundary (UCB) objectives, as well as objectives to protect important lands outside the Urban Containment Boundary (e.g., agricultural and rural), and the addition of implementation guidelines to clarify these policies,
- 2) Housing Initiatives
  - a) Revising Metro Vancouver Regional Affordable Housing Strategy and housing demand estimates, to better inform regional and municipal housing policy,
  - g) Undertaking a Metro Vancouver Mixed Income Transit-Oriented Rental Housing Study
- 3) Transportation
  - a) Reviewing and commenting on the George Massey Tunnel Replacement Project,
  - b) Participating in the preparation of YVR's proposed 2037 Land Use Plan review including regional transportation connections to the airport,
  - c) A Metro Vancouver Urban Centres and Frequent Transit Development Area policy review, to assess the effectiveness of existing RGS policies,
  - d) Working with TransLink on:
    - An updated TransLink 10 year investment plan which expires at the end of 2016 and the new one needs the TransLink Mayor's Council approval,
    - TransLink's new "Urban Freight Council" initiative.

- 4) Economy, Industry, and Employment Lands
  - a) Reviewing the Vancouver Airport Fuel Delivery Project,
  - b) A Metro Vancouver Regional Economic Prosperity Initiative is underway on how to better advance regional prosperity,
  - c) A Metro Vancouver Regional Industrial Lands Initiative is underway to assess regional industrial needs and supply of industrial lands in the region, including supportive research and engagement,
  - d) A Metro Vancouver review of office development patterns and issues to attract office development to Urban Centres,
- 5) Climate Change, Environmental and Health
  - a) Preparing an Metro Vancouver Integrated Regional Climate Action Strategy,
  - b) Updating the Metro Vancouver Ecological Health Action Plan to a regional strategy and to seek stronger connectivity to the Metro Vancouver RGS,
  - c) Identifying the regional health and economic benefits of sustainable development and transport investment in the Lower Mainland.
- 6) RGS Administrative
  - a) Conducting an Metro Vancouver Shaping Our Communities Survey to better gauge public perception of the impacts of land use and transportation on the way communities are shaped,
  - b) Improving RGS performance measures, to better evaluate the performance of the RGS,
  - c) A number of outstanding RGS policy issues have been identified through MV approved municipal OCP Regional Context Statements and the Performance Measures Review that could lead to improvements and clarity of RGS policy language,
  - d) Reviewing and considering the acceptance of Regional Context Statements, which outline the relationship between the municipal official community plan and regional growth strategy, and
  - e) Annual reporting of RGS implementation and progress,

As the above MV initiatives are part of implementing the 2040 Regional Growth Strategy, City staff at this time do support any RGS amendments, as such may be proposed when the initiatives are completed.

*The MV Board's Proposed Public Engagement Review Process*

Now the MV Board has endorsed the following public engagement process to further consider the need for and extent of any RGS amendments to meet the five year legal review requirement.



Metro Vancouver's Proposed Engagement Process To Review the 2040 RGS		
Terms:	<ul style="list-style-type: none"> <li>– MV RPAC = MV Regional Planning Advisory Committee</li> <li>– MV RPL = MV Regional Planning Committee</li> </ul>	
2016	TASK	INTENT
June	RPAC report	To receive feedback on / support for the proposed process.
July	RPL / GVRD Board report	To provide the GVRD Board the opportunity to endorse the proposed process and send a letter to affected local governments and appropriate agencies expressing the opinion of the GVRD Board regarding the need / or not for a comprehensive review.
August – October	Notification / Comment Period	<ul style="list-style-type: none"> <li>– To allow Councils and other stakeholders time to submit their views on whether a review of <i>Metro 2040 RGS</i> is necessary.</li> <li>– The Five-Year Review will also be posted on the Metro Vancouver website, social media, and distributed to existing communications lists to provide an opportunity for the general public and stakeholders to comment on the need for a review of <i>Metro 2040 RGS</i>.</li> </ul>
September	Celebratory event(s) / Public Engagement	<ul style="list-style-type: none"> <li>– Consideration of a review provides an opportunity to celebrate regional planning and the role it plays in shaping our region.</li> <li>– Several options are under consideration, including: a Retrospective on Regional Planning Sustainability Breakfast, guest lectures / speakers from other regions regarding regional planning issues, etc. Ideas are welcome.</li> </ul>
October	RPAC meeting (workshop)	Assess feedback received to date and provide an opportunity for Committee discussion about the proposed recommendation to the GVRD Board regarding the need for and extent of a <i>Metro 2040 RGS</i> review.
October	Council of Councils Meeting	Agenda item (meets the Greater Vancouver Regional District Regional Growth Strategy Procedures Bylaw No. 1148, 2011 requirements)
October		Comments Period closes.
November	RPL / GVRD Board report; RPL open meeting	Review feedback received to date and provide an opportunity for Committee discussion about the proposed recommendation to the GVRD Board regarding the review. Meets the Greater Vancouver Regional District Regional Growth Strategy Procedures Bylaw No. 1148, 2011 requirements.
November	RPL / GVRD Board Report	Provide a decision on the need for and/or extent of the review of <i>Metro 2040 RGS</i> ; if necessary, direct staff to develop a consultation plan; and send a letter to the Province to notify of the decision.
December		Notify the Ministry of Community, Sport and Cultural Development.

## Analysis

Richmond staff have reviewed the proposed MV RGS Engagement Process and support it as it will enable Metro Vancouver to inform and celebrate the successes of the RGS and the role that the Board and RGS plays in shaping the Region (e.g., via the MV Web site, a Retrospective on Regional Planning, Sustainability Breakfast Sessions, and guest lectures / speakers).

Richmond staff do not propose any RGS amendments at this time, for the following reasons:

- 1) Richmond does not need any RGS amendments at this time. When Richmond helped prepare the 2040 RGS, it strove to have the RGS policies address the City's long term interests, to avoid having to request RGS amendments from the MV Board later on. To date this local

autonomy approach has been successful. For example, Richmond has a large RGS 'Urban' designation which provides considerable land use flexibility without having to request MV Board RGS amendments,

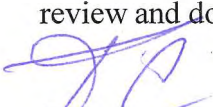
- 2) The 2040 RGS is still in its early implementation days and has been continuously reviewed since its 2011 approval,
- 3) Regional Growth Strategies can last a long time, as the previous 1996 Livable Region Regional Strategic Plan (LRSP) was useful for 15 years until 2011,
- 4) While Richmond was the first municipality to have the Metro Vancouver Board accept its 2041 OCP Regional Context Statement, Metro Vancouver advises that the majority of the other 20 local government OCP Regional Context Statements (RCS) were only recently accepted by the MV Board and the Township of Langley's RCS is still under arbitration review,
- 5) Some municipalities want to now update their OCPs to reflect the 2040 RGS and this will take several years,
- 6) No major RGS update should occur before the 2011 Census findings are fully released in late 2017, and
- 7) MV staff and the MV Regional Planning Advisory Committee advise that there is no need for a comprehensive RGS review at this time and that the scope of the review should be structured to meet legislative requirements.

#### **Financial Impact**

None.

#### **Conclusion**

The *Local Government Act* requires that the MV Board consider reviewing the 2040 Regional Growth Strategy at least once every five years. As part of this consideration, Metro Vancouver is required to provide an opportunity for local government input on the need for and scope of review from affected local governments and other stakeholders. The MV Board has endorsed a public RGS Engagement Process to further consider the need for and extent of any RGS amendments. As the RGS has effectively been 'under review' since its adoption, the RGS is still in its early implementation and Richmond does not need a RGS amendment at this time, City staff recommend that Council advise the MV Board that it supports the Board's proposed RGS review and does not propose any RGS amendments at this time.



Terry Crowe  
Manager, Policy Planning  
(604-276-4139)  
Att: 1

TTC:cas


**metrovanancouver**

SERVICES AND SOLUTIONS FOR A LIVABLE REGION

 TO: MAYOR & EACH  
 COUNCILLOR  
 FROM: CITY CLERK'S OFFICE

		INT
	DW	
✓	DB	

 Office of the Chair  
 Tel. 604 432-6215 Fax 604 451-6614

01-0157-30-RGST1

File: CR-12-01

Ref: RD 2016 Jul 29

AUG 11 2016

 Mayor Malcolm Brodie and Council  
 City of Richmond  
 6911 No. 3 Road  
 Richmond, BC V6Y 2C1

 cc: Joe Erceg  
 Terry Crowe

Dear Mayor Brodie and Council:

**Re: Consideration of the Five-Year Review of Metro Vancouver 2040: Shaping our Future, the Regional Growth Strategy**

The five year anniversary of the GVRD Board's adoption of *Metro Vancouver 2040: Shaping our Future (Metro 2040)*, the regional growth strategy, occurred on July 29, 2016. *Metro 2040* sets out a collaborative vision for how to accommodate and shape the region's long-term growth in a way that advances livability, protects the region's important industrial, agricultural, and conservation / recreation lands, supports the growing economy, and that provides a land use framework to support the efficient and affordable provision of infrastructure such as transit and utilities.

Section 452(2) of the *Local Government Act* ("the Act") requires that "at least every 5 years, a regional district that has an adopted regional growth strategy must consider whether the regional growth strategy must be reviewed for possible amendment". The Act also sets out required consultation procedures, including that affected local governments be given an opportunity to comment on whether a review is necessary, and if so, what a desired scope of that review might include.

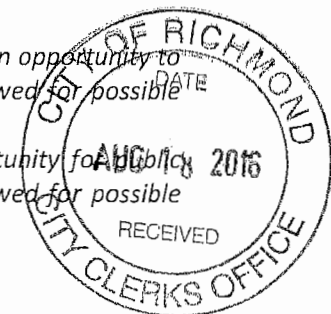
At its July 29, 2016, regular meeting, the Board of Directors of the Greater Vancouver Regional District ('Metro Vancouver') adopted the following resolution:

*That the GVRD Board:*

- approve the engagement process to determine the need for, and extent of, a review of Metro Vancouver 2040: Shaping our Future, the regional growth strategy, consistent with Section 452(2) of the Local Government Act and as presented in the report dated June 10, 2016, titled "Metro Vancouver 2040: Shaping our Future: Five-Year Review";*
- send a letter to affected local governments and agencies to provide an opportunity to comment on whether the regional growth strategy should be reviewed for possible amendment as per Local Government Act Section 452(3); and*
- post notice on the Metro Vancouver website to provide an opportunity for public comment on whether the regional growth strategy should be reviewed for possible amendment.*

18965516

4330 Kingsway, Burnaby, BC, Canada V5H 4G8 • 604-432-6200 • www.metrovanancouver.org



Please find enclosed the Metro Vancouver staff report. As conveyed in the report, Metro Vancouver staff, based on direction from the Board and in conjunction with municipal staff, have undertaken projects and initiatives to promote, improve and clarify *Metro 2040* to support and steward the realization of the regional federation's growth management goals. *Metro 2040* has been amended eight times to address local and regional aspirations, improve the regional growth strategy's policy clarity and to improve implementation procedures. This approach demonstrates a strong commitment to ongoing 'review' and adjustment in order to ensure continuous improvement toward the region's collective vision. As such, a modest consultation program is endorsed, one that recognizes there is no need for a comprehensive review of the regional growth strategy at this time, and allows for the consideration of the review to be structured to meet the requirements as set out in the Act.

This letter provides written notice to affected local governments that Metro Vancouver is seeking comments on the need for, and scope of, a review of *Metro 2040*. Please have your staff contact Elisa Campbell, Director of Regional Planning & Electoral Area Services, at [Elisa.Campbell@metrovancover.org](mailto:Elisa.Campbell@metrovancover.org) or 604-451-6556 by October 1, 2016 with any questions or comments regarding consideration of a five-year review of Metro Vancouver's regional growth strategy.

Yours truly,



Greg Moore  
Chair, Metro Vancouver Board

GM/GS/ea

cc: Terry Crowe, Manager of Policy and Planning Department

Encl: '*Metro Vancouver 2040: Shaping our Future: Five-Year Review*' report dated June 10, 2016



To: Regional Planning Committee

From: Heather McNell, Division Manager, Growth Management  
Parks, Planning and Environment Department

Date: June 10, 2016

Meeting Date: July 15, 2016

Subject: ***Metro Vancouver 2040: Shaping our Future: Five-Year Review***

#### **RECOMMENDATION**

That the GVRD Board:

- a) Approve the engagement process to determine the need for, and extent of, a review of *Metro Vancouver 2040: Shaping our Future*, the regional growth strategy, consistent with Section 452(2) of the *Local Government Act* and as presented in the report dated June 10, 2016, titled "*Metro Vancouver 2040: Shaping our Future: Five-Year Review*";
- b) send a letter to affected local governments and agencies to provide an opportunity to comment on whether the regional growth strategy should be reviewed for possible amendment as per *Local Government Act* Section 452(3); and
- c) post notice on the Metro Vancouver website to provide an opportunity for public comment on whether the regional growth strategy should be reviewed for possible amendment.

#### **PURPOSE**

This report is intended to provide the GVRD Board with the opportunity to consider the need for and scope of a review of *Metro Vancouver 2040: Shaping our Future* as required by the *Local Government Act*.

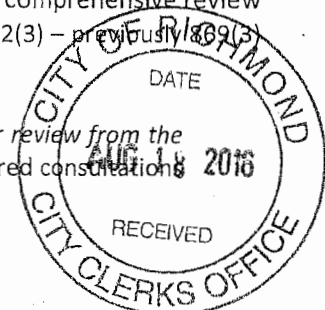
#### **BACKGROUND**

*Metro Vancouver 2040: Shaping our Future (Metro 2040)*, the regional growth strategy, was adopted in July 2011 and is now in its fifth year of implementation. The legislation that enables *Metro 2040*, Part 13 of the *Local Government Act*, section 452 (2) [previously 869(2)] requires that:

*at least once every 5 years, a regional district that has adopted a regional growth strategy must consider whether the regional growth strategy must be reviewed for possible amendment.*

This review can range from a minor amendment to the existing strategy to a comprehensive review resulting in a new regional growth strategy. *Local Government Act* Section 452(3) – previously 869(3) also requires that:

*the regional district must provide an opportunity for input on the need for review from the persons, organizations and authorities referred to in section 434 (2) [required consultations] during development of regional growth strategy.*





Since the adoption of *Metro 2040*, the strategy has been amended eight times, and through implementation, staff continue to review the strategy and seek ways to improve its clarity and effectiveness. This report proposes a streamlined approach and process for considering the need for, and extent of, the mandated five-year review.

### ***Metro 2040 Implementation***

*Metro 2040* was developed in close collaboration with member municipalities and other regional agencies. It is truly a distinctive achievement that 21 local governments, two adjacent regional districts, TransLink, and Metro Vancouver collectively developed and signed on to a shared vision of how to shape the region's growth to 2040. *Metro 2040* sets out goals, strategies, and policies to guide the future growth of the region and provides the land use framework for transportation, economic, housing, utility (water, liquid waste and solid waste), environmental and climate change planning. Adoption of the strategy was the first step; implementation has been a key focus for Metro Vancouver for the past five years. As expressed in the *Metro 2040 Progress toward Shaping our Future* Annual Reports, there are four main aspects to regional growth strategy implementation: aligning the regional vision and local aspirations, governing collaboratively, advancing policy, and monitoring progress.

*Metro 2040* is intended to provide a solid, long-term vision, and yet also to be adaptable and responsive. It has been amended eight times since its adoption in July 2011. These amendments were approved to accommodate municipal aspirations by amending the regional land use designation of sites, to add Frequent Transit Development Areas and Special Study Areas, to improve policy language, and to incorporate changes made through Regional Context Statements (RCSs). Metro Vancouver, as the steward of the regional vision, strives to strike a balance between meeting local aspirations and ensuring that the *Metro 2040* vision for managing regional growth to 2040 remains strong. *Metro 2040* has facilitated and necessitated a dialogue about regional implications through the GVRD Board when a member municipality has sought changes to regional land use designations, policies, or acceptance of a Regional Context Statement.

Significant policy research has been undertaken to clarify and advance *Metro 2040* since its adoption including a series of Facts in Focus policy backgrounders, a number of Implementation Guidelines providing guidance and support in implementation, and applied research such as the Housing and Transportation Cost Burden Study; Apartment Parking Study; Industrial, Agricultural Office and Sensitive Ecosystem Inventories; Performance Measures Review; Housing Data Book; and Regional Food System Action Plan.

RCSs are an important implementation tool that demonstrate how local plans align with and support the regional growth strategy. The majority of Regional Context Statements were only completed and accepted by the GVRD Board in the last couple of years, and in many cases those RCSs express municipal intentions to update Official Community Plans in the near future. Given this context, *Metro 2040* is still in an early point of implementation and it is premature to effectively assess whether substantive changes are needed to how the regional federation's plans and policies are working together to achieve the co-created vision for the future of the region.

The GVRD Board has expressed ongoing commitment to advancing the goals of *Metro 2040* and to ensuring that there is a broad understanding of, and support for, *Metro 2040*. The Board's Strategic Plan provides clear direction for Metro Vancouver to continue to develop and implement effective and adaptive tools and processes for achieving the goals in *Metro 2040*; supporting the efforts of

members in developing complete and livable communities, and guiding the development of policies, plans and tools that lead to creative solutions for managing competing demands on the land in the region. Metro Vancouver staff, based on direction from the Board, continue to undertake projects and initiatives to promote, improve, and clarify *Metro 2040* to support and steward the realization of the regional federation's growth management goals.

Through five years of implementation, Regional Planning and municipal staff have identified a number of challenges with the regional growth strategy, in terms of clarity of policy and procedures. Staff have worked closely with other parts of the Metro Vancouver organization, member municipalities, and other agencies to find innovative solutions to those challenges, which has resulted in improvements to policies, new implementation guidelines, and improved collaborative approaches to implementation. In addition, it is increasingly clear that there are significant opportunities to raise the profile of *Metro 2040* and to increase understanding of the value and role that regional planning plays in shaping our communities.

#### **Future Implementation and Potential Amendments**

Going forward, the *Metro 2040* five-year review requirement provides an opportunity to frame ongoing work. Staff anticipates that the GVRD Board will have an opportunity to consider additional amendments to clarify and improve existing policies in *Metro 2040* administrative procedures, and to strike the balance between honouring the federation-based governance structure of Metro Vancouver and the strong relationships that it is predicated upon and the regional vision to manage and structure growth to support a strong, vibrant and livable region that all members have co-created.

For example, work is already well underway that will lead to proposed amendments to *Metro 2040* to keep the strategy current and improve its utility:

- a) Amendments to policies regarding the extension of **regional sewerage services** to support urban containment objectives as well as objectives to protect important lands outside the urban containment boundary, and the addition of implementation guidelines to clarify these policies;
- b) Revised **housing demand estimates** are being developed through the update to the Regional Affordable Housing Strategy to help inform municipal housing policy and reflect up-to-date data; and
- c) Improvements to *Metro 2040*'s **performance measures** to better evaluate the performance of *Metro 2040*.

In addition, there are a number of applied policy research and other initiatives underway as part of ongoing implementation that have the potential to result in proposed amendments to *Metro 2040*:

- a) An **Urban Centres and Frequent Transit Development Area** policy review is underway to assess the effectiveness of the existing structure and associated policies;
- b) A **Regional Industrial Lands Initiative** is underway that will convene a region-wide, multi-stakeholder dialogue on how best to assess needs and ensure an adequate supply of industrial lands in the region;
- c) A **Shaping our Communities Survey** will be conducted to gauge public perception of the impacts of land use and transportation on the way their communities are shaped;
- d) Work is underway to develop an **Integrated Regional Climate Action Strategy**;

- e) An update to the **Ecological Health Action Plan** with the intent to elevate the action plan to a regional strategy, and to seek stronger connectivity to *Metro 2040*;
- f) A **Regional Economic Prosperity Initiative** is underway considering the regional role in advancing the prosperity of Metro Vancouver;
- g) **Office Development in Urban Centres** work continues with possibilities to amend office policies in *Metro 2040*; and
- h) A number of outstanding policy issues have been identified through a review of Regional Context Statements and the Performance Measures Review that could lead to **improvements and clarity of policy language** in *Metro 2040*, as well as updates to policies on issues such as major trip generators and the protection of Rural lands.

#### **Considering the Need for, and Extent of, a Review of *Metro 2040***

*Metro 2040* has effectively been 'under review' since its adoption. And, it is early in the strategy's implementation in terms of assessing the effectiveness of the policies, objectives, and collaborative governance model. Metro Vancouver staff believe that the work being undertaken and planned for the near future, as illustrated above in this report, shows both a strong commitment to address the challenges that have arisen in the first years of implementation and to ensure continuous improvement while maintaining the integrity of the vision created and endorsed by the Metro Vancouver membership.

#### **Additional Procedural Requirements**

As a result of a dispute resolution with the City of Coquitlam during the regional growth strategy's adoption, additional requirements regarding the five-year review were incorporated into the Greater Vancouver Regional District Regional Growth Strategy Procedures Bylaw No. 1148, 2011. The Bylaw states (referenced *Local Government Act* section numbering since amended):

*Prior to the Board considering, pursuant to section 869(2) of the Act, whether to review the Regional Growth Strategy for possible amendment, the Board will convene the following:*

- a. *Regional Planning Advisory Committee Workshop – the Regional Planning Advisory Committee may make a recommendation as to whether a general review of the Strategy is necessary or, if no general review should be undertaken, what if any specific issues should be reviewed;*
- b. *Public Meeting of the Regional Planning and Agriculture Committee – the Regional Planning and Agriculture Committee will hold a public meeting or series of public meetings to provide the opportunity for input on the need for review of the Regional Growth Strategy from all persons, organizations and authorities who wish to participate. Metro Vancouver will make best efforts to notify all parties involved in developing the Regional Growth Strategy, as well as other interested parties as outlined in section 855(2) of the Local Government Act and the public at large, of the date and location of this meeting and the opportunity to address the Committee. Metro Vancouver will maintain a record of the meeting and present a summary report to the Board; and*
- c. *Council of Councils Workshop – Metro Vancouver staff will make a presentation to a Council of Council Workshop on the performance of the Regional Growth Strategy. Metro Vancouver will maintain a record of the Regional Growth Strategy discussion and present a summary report to the Board.*

*These workshops are in addition to any other opportunity for input that the Board may provide pursuant to section 869(3) of the Local Government Act.*

### **Proposed Engagement Process re: the Review of Metro 2040**

In the interest of meeting GVRD Board objectives and legislative requirements, staff is proposing a process for consideration of the need for, and extent of, the review of *Metro 2040* (Attachment). The process would begin with Board endorsement of the proposed process, and include a notification comment period, a Council of Councils meeting, and a Regional Planning Advisory Committee workshop, which would inform a decision by the Board on the need for, and extent of, an amendment to *Metro 2040*.

Metro Vancouver staff presented the five year *Metro 2040* review requirement to the Regional Planning Committee in February 2016 as part of the Committee's review of their annual workplan. Committee members expressed a desire to minimize the scope of the review of *Metro 2040*. The proposed engagement process and approach was also discussed at the June 3, 2016, Regional Planning Advisory Committee (RPAC) meeting. Members expressed that there is no need for a comprehensive review of the regional growth strategy at this time and that the scope of the review or referral process should be structured to meet legislative requirements.

### **ALTERNATIVES**

1. That the GVRD Board:
  - a) Approve the engagement process to determine the need for, and extent of, a review of *Metro Vancouver 2040: Shaping our Future*, the regional growth strategy, consistent with Section 452(2) of the *Local Government Act* and as presented in the report dated June 10, 2016, titled "*Metro Vancouver 2040: Shaping our Future: Five-Year Review*";
  - b) send a letter to affected local governments and agencies to provide an opportunity to comment on whether the regional growth strategy should be reviewed for possible amendment as per *Local Government Act* Section 452(3); and
  - c) post notice on the Metro Vancouver website to provide an opportunity for public comment on whether the regional growth strategy should be reviewed for possible amendment.
2. That the GVRD Board receive for information the report dated June 10, 2016, titled "*Metro Vancouver 2040: Shaping our Future: Five-Year Review*".

### **FINANCIAL IMPLICATIONS**

The costs associated with the review of *Metro 2040* are accommodated within the Regional Planning 2016 budget approved by the GVRD Board. If the GVRD Board chooses Alternative 1, staff will prepare a letter for affected local governments and agencies which outlines the engagement process for the consideration of a review of *Metro 2040*, seeks comment on whether the regional growth strategy should be reviewed for possible amendment and, if so, what areas / parts of the strategy should be updated or improved. Staff will also post notice on the Metro Vancouver website to provide an opportunity for public comment, and will return to the Regional Planning Committee and Board post the notification period with a summary of comments and a recommendation as to whether to initiate a review of *Metro 2040*.

### **SUMMARY / CONCLUSION**

The *Local Government Act* requires that consideration be given to reviewing the regional growth strategy at least once every five years. Such a review can range from an amendment to the existing strategy to a comprehensive review resulting in a new regional growth strategy. As part of this consideration, the *Local Government Act* requires Metro Vancouver to provide an opportunity for input on the need for and scope of review from affected local governments and other stakeholders.

There has been much learning over the course of the first five years of *Metro 2040* implementation, and the strategy has been amended eight times in an effort to meet local aspirations, improve the strategy's policy clarity and implementation procedures. Metro Vancouver continues to 'review' *Metro 2040* through its ongoing implementation and, as a result, staff are proposing a modest approach to engaging on the need for, and extent of, the review.

Staff recommend Alternative 1, that the GVRD Board consider and adopt the engagement process regarding a possible review of *Metro 2040* as required under the *Local Government Act*, send a notification letter to affected local governments and appropriate agencies, and post notice on the Metro Vancouver website to provide an opportunity for comment on whether the regional growth strategy should be reviewed for possible amendment.

**Attachment:** Engagement Process re: Consideration of a Review of *Metro 2040*