

City of Surrey PLANNING & DEVELOPMENT REPORT File: 7915-0065-00

Planning Report Date: February 1, 2016

PROPOSAL:

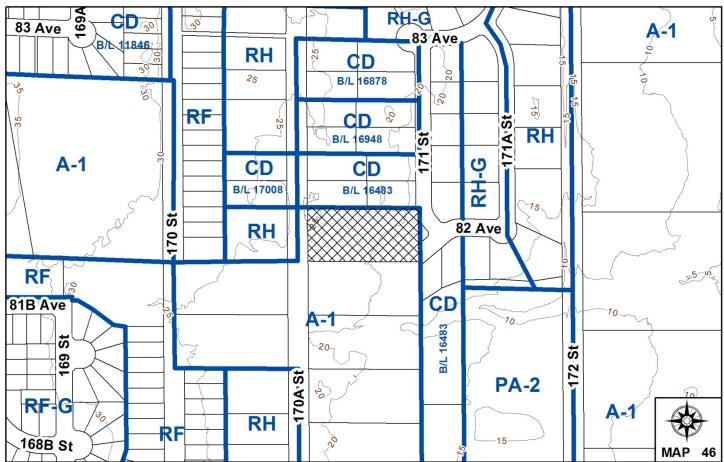
• **Rezoning** from A-1 to CD (based on RH-G) to allow subdivision into three (3) suburban single family lots, with future subdivision potential for proposed Lot 1.

LOCATION: 8210 - 170A Street

OWNER: Monark Investments Ltd.

ZONING: A-1

OCP DESIGNATION: Suburban



RECOMMENDATION SUMMARY

By-law Introduction and set date for Public Hearing for Rezoning.

DEVIATION FROM PLANS, POLICIES OR REGULATIONS

None.

RATIONALE OF RECOMMENDATION

- Complies with the Suburban designation in the OCP.
- The proposed density complies with the maximum density in the Suburban designation of 5 units per hectare (2 units per acre), for properties within 200 metres (655 ft.) to the ALR boundary.
- The proposed lots are consistent in size with the existing suburban single family lots in the neighbourhood.
- The proposed subdivision will result in a half-road connection between 170A Street and 171 Street, which will benefit the suburban single family lots in the east and north-east.
- The applicant, with staff's assistance, has made several attempts to acquire the residual land to the immediate east, however, an acceptable value could not be agreed upon. The proposed rezoning and subdivision will not preclude acquisition of this small triangular portion in the future.

RECOMMENDATION

The Planning & Development Department recommends that:

a By-law be introduced to rezone the subject site from "General Agriculture Zone (A-1)" to "Comprehensive Development Zone (CD)" and a date be set for Public Hearing.

- 2. Council instruct staff to resolve the following issues prior to final adoption:
 - (a) ensure that all engineering requirements and issues including restrictive covenants, dedications, and rights-of-way where necessary, are addressed to the satisfaction of the General Manager, Engineering;
 - (b) submission of a subdivision layout to the satisfaction of the Approving Officer;
 - (c) submission of a finalized tree survey and a statement regarding tree preservation to the satisfaction of the City Landscape Architect;
 - (d) the applicant satisfy the deficiency in tree replacement on the site, to the satisfaction of the Planning and Development Department;
 - (e) removal of accessory buildings to the satisfaction of the General Manager, Planning and Development Department;
 - (f) the applicant satisfy the open space requirement of gross-density subdivisions; and
 - (g) the applicant address the concern that the development will place additional pressure on existing park facilities to the satisfaction of the General Manager, Parks, Recreation and Culture.

REFERRALS

Engineering: The Engineering Department has no objection to the project

subject to the completion of Engineering servicing requirements as

outlined in Appendix III.

School District: **Projected number of students from this development:**

1 Elementary student at Coast Meridian Elementary School

o Secondary students at North Surrey Secondary School

(Appendix IV)

The applicant has advised that the dwelling units in this project are expected to be constructed and ready for occupancy by Fall 2017.

Parks, Recreation & Culture:

Parks have some concerns about the pressure this project will place on existing Parks, Recreation and Culture facilities in the neighbourhood. The applicant is required to address these concerns prior to consideration of final adoption of the Rezoning By-law.

SITE CHARACTERISTICS

Existing Land Use: Single family dwelling fronting 170A Street with detached garage and sheds

in the middle of the lot. The single family dwelling will be retained, while

the detached garage and sheds will be demolished.

Adjacent Area:

Direction	Existing Use	OCP Designation	Existing Zone
North:	Suburban single	Suburban	CD (By-law No.
	family lots.		16483)
East (Across 171 Street and 82	Suburban single	Suburban	CD (By-law No.
Avenue):	family lots.		16483)
South:	Single family	Suburban	A-1
	dwelling on		
	acreage parcel		
West (Across 170A Street):	Oversized half-	Suburban	RH
	acre lot.		

DEVELOPMENT CONSIDERATIONS

Background

- The 5,820-square metre (1.4-acre) subject site is located at 8210 170A Street in Fleetwood.
- The site is designated "Suburban" in the Official Community Plan (OCP) and is zoned "General Agriculture Zone (A-1)". The property is not located within the Agricultural Land Reserve (ALR).
- A single family dwelling, with detached garage and sheds, are located on the property. The single family dwelling will be retained, while the detached garage and sheds will be demolished as part of the current development application.

Proposal

• The applicant proposes to rezone the site from "General Agriculture Zone (A-1)" to "Comprehensive Development Zone (CD)" (based on the RH-G Zone) in order to subdivide into three (3) suburban single family lots, one with further subdivision potential.

• Proposed Lot 1 is approximately 2,240 square metres (0.55 acre) in size with a lot width of 54 metres (178 ft.) and a lot depth of 41 metres (135 ft.). The existing single family dwelling on the subject property will be retained on proposed Lot 1.

- Proposed Lot 1 will have future subdivision potential into two (2) suburban single family lots each approximately 1,120 square metres (0.28 acre) in size with lot widths of 27 metres (88 ft.) and lot depths of 41 metres (135 ft.), which comply with the minimum 24-metre (80-ft.) lot width, the minimum 30-metre (100 ft.) lot depth, and the minimum 1,120-square metre lot size requirements of the proposed CD Zone.
- Proposed Lots 2 and 3 are approximately 1,120 square metres (0.28 acre) in size with lot depths of 41 metres (135 ft.), and lot widths of 24 metres (80 ft.) and 30 metres (100 ft.), respectively.

Remnant "Hooked" Lot

- The east lot line of proposed Lot 3 abuts a remnant portion of land (approximately 100 square metres / 1,075 sq.ft. in size) that is "hooked" to a property (17112 82 Avenue) located southeast of the subject site across 82 Avenue.
- The lot located to the south-east, including the 100-square metre (1,075-sq.ft.) "hooked" remainder, was created under Development Application No. 7906-0450-00 following approval by Council of the rezoning on December 15, 2008. Although the proposed rezoning and subdivision of the subject site can proceed without the inclusion of this 100-square metre (1,075-sq.ft.) remnant parcel of land, it was always intended to be consolidated with the subject site. This remnant portion of land is not large enough to accommodate any form of development on its own.
- As part of the subject development application, staff encouraged the applicant to purchase and consolidate this "hooked" remainder with proposed Lot 3. The applicant has advised staff that they have contacted the neighbouring property owner (of 17112 82 Avenue) about purchasing the "hooked" remainder in order to consolidate it with proposed Lot 3, and have made multiple offers based on a market appraisal of the land value.
- Staff have also contacted the owner of the "hooked" remnant and explained that now is an appropriate time for the "hooked" remnant to be assembled with proposed Lot 3 as always anticipated. Staff have also advised that it may be difficult to dispose of this small portion of land once the proposed subdivision is completed and proposed Lot 3 is sold to a new owner.
- The owner of the "hooked" portion has stated that he is not interested in selling the "hooked" remainder to the applicant and intends to retain that land. Therefore, the "hooked" remainder is not included in the subject development application.
- Although the 100-square metre (1,075-sq.ft.) remnant is not incorporated in the subject development application, should the affected owners reach an amicable solution in the future, the remnant could be consolidated with proposed Lot 3 without a further rezoning. The resulting consolidation would be split-zoned, and the additional land would only be yardspace and not suitable for any buildings.

OCP Policy

- The subject site is located approximately 160 metres (525 ft.) west of the Agricultural Land Reserve (ALR) boundary. The Official Community Plan (OCP) states that the maximum density for Suburban-designated properties within 200 metres (655 ft.) of the ALR boundary is 5 units per hectare (2 units per acre), and that the maximum density for Suburban-designated properties beyond the 200-metre (655-ft.) distance to the ALR boundary is 10 units per hectare (4 units per acre).
- The gross unit density of the proposed 3-lot subdivision on the subject site is 5 units per hectare (2 units per acre), which complies with the maximum allowable density of 5 units per hectare (2 upa) for Suburban-designated lands within 200 metres (650 ft.) of the ALR.
- Proposed Lot 1, which has future subdivision potential, is located beyond the 200-metre (655-ft.) distance to the ALR boundary. Future subdivision of proposed Lot 1 into two (2) lots, each approximately 1,120 square metres (0.28 acre) in size, will result in a unit density of 8.9 units per hectare (3.6 upa), which complies with the maximum allowable density of 10 units per hectare (4 units per acre) for properties located beyond the 200-metre (655-ft.) distance to the ALR boundary.
- The proposed subdivision meets the intent of City Policy No. O-23, which guides residential development near the Agricultural Land Reserve (ALR) boundary.
- The subject proposal was not forwarded to the City's Agriculture and Food Security Advisory Committee (AFSAC) since the subject site does not fall within 50 metres (164 ft.) of the ALR, and therefore, not subject to a Development Permit.
- The proposed lots are similar in size to the existing single family suburban lots in the area, many of which are zoned "Half-Acre Residential Gross Density Zone (RH-G)" or "Comprehensive Development Zone" (based on the RH-G Zone). The remaining A-1-zoned properties to the south also have rezoning and subdivision potential; however, the lot yield may be affected by Drinkwater Creek, which runs east/west through some of these lands.
- The OCP states that densities for properties within the Suburban designation may be calculated on the gross site area, where sufficient parkland and/or community benefit are provided. The applicant is required to provide 5% cash-in-lieu of open space and has volunteered an additional 10% contribution to address the 15% open space requirement associated with RH-G-type developments. This is consistent with the development applications approved to the north (File Nos. 7906-0450-00, 7907-0385-00, and 7908-0171-00).

Road Dedication

• The applicant is required to dedicate 11.5 metres (38 ft.) along the south property line for the extension of 82 Avenue, which will ultimately be 17 metres (56 ft.) in width. This section of 82 Avenue will provide an important link to the west for the residents east and north-east of the subject site.

• The applicant is also required to dedicate approximately 30 square metres (325 sq.ft.) at the north-east corner of the site to complete 171 Street. No road dedication is required along 170A Street.

PROPOSED CD BY-LAW (Appendix VII)

- The proposed CD By-law is based on the Half-Acre Residential Gross Density Zone (RH-G) with modifications to adjust the required lot sizes, density and to address no land being set aside for open space purposes.
- The table below provides a comparison between the RH-G Zone and the proposed CD By-law.

	RH-G Zone	Proposed CD By-law
Unit Density	Maximum density is 5 dwelling units per	Maximum density is 10 dwelling units per
	hectare (2.0 upa)	hectare (4.0 upa)
FAR	0.32	0.32
Lot Area for	The minimum site area for subdivision	Not applicable.
Subdivision	shall be 1 hectare (2.5 acres).	
Minimum Lot	Standard:	Lot area: 1,120 sq.m. (12,000 sq. ft.)
Sizes	Lot area: 1,300 sq.m. (14,000 sq.ft.)	Lot width: 24 m. (80 ft.)
	Lot width: 30 m. (100 ft.)	Lot depth: 30 m. (100 ft.)
	Lot depth: 30 m. (100 ft.)	
	Permissible Reduction:	
	Lot area: 1,120 sq.m. (12,000 sq.ft.)	
	Lot width: 24 m. (80 ft.)	
	Lot depth: 30 m. (100 ft.)	

- The floor area ratio (FAR), building height, setbacks, and lot coverage regulations in the proposed CD By-law are identical to the RH-G Zone.
- The proposed changes to the unit density and lot sizes are consistent with the CD By-laws (Nos. 16483, 16878 and 16948) approved for the properties to the north (under Development Application Nos. 7906-0450-00, 7907-0385-00, and 7908-0171-00, respectively). The table below provides a comparison between the proposed CD By-law for the current development application and the approved CD By-laws for the neighbouring properties to the north.

	Proposed CD By- law (Subject Site)	CD By-law No. 16483 (File No. 7906-0450-00)	CD By-law No. 16878 (File No. 7907-0385-00)	CD By-law No. 16948 (File No. 7908-0171-00)
Unit	Maximum density is	Maximum density is	Maximum density is	Maximum density is
Density	10 dwelling units per hectare (4.0 upa)	5 dwelling units per hectare (2.0 upa), provided 15% open space is provided	10 dwelling units per hectare (4.0 upa)	10 dwelling units per hectare (4.0 upa)
Floor Area Ratio	0.32	0.32	0.32	0.32
Lot Coverage	25%	25%	25%	25%
Building	Principal: 9 m.	Principal: 9 m.	Principal: 9 m.	Principal: 9 m.
Height	(30 ft.)	(30 ft.)	(30 ft.)	(30 ft.)
	Accessory: max. 5 m. (16.5 ft.)	Accessory: max. 5 m. (16.5 ft.)	Accessory: max. 5 m. (16.5 ft.)	Accessory: max. 5 m. (16.5 ft.)

	Proposed CD By-	CD By-law No.	CD By-law No.	CD By-law No.
	law (Subject Site)	16483 (File No.	16878 (File No.	16948 (File No.
	() ,	7906-0450-00)	7907-0385-00)	7908-0171-00)
Principal	Front: 7.5 m. (25 ft.)	Front: 7.5 m. (25 ft.)	Front: 7.5 m. (25 ft.)	Front: 7.5 m. (25 ft.)
Building	Rear: 7.5 m. (25 ft.)	Rear: 7.5 m. (25 ft.)	Rear: 7.5 m. (25 ft.)	Rear: 7.5 m. (25 ft.)
Setbacks	Side: 3 m. (20 ft.)	Side: 3 m. (20 ft.)	Side: 3 m. (20 ft.)	Side: 3 m. (20 ft.)
	Side Yard Flanking	Side Yard Flanking	Side Yard Flanking	Side Yard Flanking
	Street: 7.5 m. (25 ft.)	Street: 7.5 m. (25 ft.)	Street: 7.5 m. (25 ft.)	Street: not applicable
Minimum	Lot area: 1,120 sq.m.	Standard:	Block A:	Block A:
Lot Sizes	(12,000 sq. ft.)	Lot area: 1,050 sq.m.	Lot area: 1,550 sq.m.	Lot area: 1,530 sq.m.
	Lot width: 24 m.	(11,500 sq.ft.)	(16,685 sq.ft.)	(16,465 sq.ft.)
	(8o ft.)	Lot width: 26 m.	Lot width: 28 m.	Lot width: 26 m.
	Lot depth: 30 m.	(85 ft.)	(92 ft.)	(85 ft.)
	(100 ft.)	Lot depth: 30 m.	Lot depth: 30 m.	Lot depth: 30 m.
		(100 ft.)	(100 ft.)	(100 ft.)
		<u>Permissible</u>	Block B:	Block B:
		Reduction:	Lot area: 1,300 sq.m.	Lot area: 1,265 sq.m.
		Lot area: 775 sq.m.	(13,995 sq.ft.)	(13,615 sq.ft.)
		(8,350 sq.ft.)	Lot width: 28 m.	Lot width: 26 m.
		Lot width: 20 m.	(92 ft.)	(85 ft.)
		(70 ft.)	Lot depth: 30 m.	Lot depth: 30 m.
		Lot depth: 30 m.	(100 ft.)	(100 ft.)
		(100 ft.)		

PRE-NOTIFICATION

Development Proposal signs were installed on the subject site on October 15, 2015 and prenotification letters were sent on October 16, 2015, advising property owners in the area of the proposed rezoning and subdivision. Staff received two telephone calls from area residents requesting additional information regarding the proposal. The callers were provided with the requested information, and no concerns were expressed.

Staff sent an additional letter to the property owner of the adjoining "hooked" lot (17112 – 82 Avenue), to provide further clarification.

BUILDING DESIGN GUIDELINES

- The applicant retained Mike Tynan of Tynan Consulting Ltd. as the Design Consultant. The Design Consultant conducted a character study of the surrounding homes and based on the findings of the study, proposed a set of building design guidelines (Appendix V).
- The design guidelines recommend a high architectural standard found in most executiveestate quality subdivisions in Surrey. House design styles include Traditional, Classical Heritage, Neo-Heritage and estate quality manifestations of Neo-Traditional.

LOT GRADING

 A preliminary lot grading plan submitted by H.Y. Engineering Ltd. and dated July 24, 2015 has been reviewed by staff and found generally acceptable. The applicant proposes basements on all of the lots with minimal fill. Feasibility of in-ground basements will be confirmed once the City's Engineering Department has reviewed and accepted the applicant's final engineering drawings.

TREES

• Glenn Murray, ISA Certified Arborist of Froggers Creek Tree Consultants Ltd. prepared an Arborist Assessment for the subject property. The table below provides a summary of the tree retention and removal by tree species:

Table 1: Summary of Tree Preservation by Tree Species:

Tree Species	Exis	ting	Remove	Retain	
Deciduous Trees					
Bigleaf Maple	4	ļ-	4	0	
Cherry	1		1	0	
Japanese Maple	1		0	1	
Native Willow	1		1	0	
Norway Maple	1		1	0	
	Conifero	us Tree	s		
Western Red Cedar	8	3	4	4	
Total	10	6	11	5	
Total Replacement Trees Proposed (excluding Boulevard Street Trees)			6		
Total Retained and Replacement Trees		11			
Contribution to the Green City Fund			\$4,800		

- The Arborist Assessment states that there are a total of sixteen (16) mature trees on the site. No Alder or Cottonwood trees on the subject site. It was determined that five (5) trees can be retained as part of this development proposal. The proposed tree retention was assessed taking into consideration the location of services, building footprints, road dedication and proposed lot grading.
- For those trees that cannot be retained, the applicant will be required to plant trees on a 2 to 1 replacement ratio. This will require a total of twenty-two (22) replacement trees on the site. Since only six (6) replacement trees can be accommodated on the site (based on an average of [2] trees per lot), the deficit of sixteen (16) replacement trees will require a cash-in-lieu

payment of \$4,800, representing \$300 per tree, to the Green City Fund, in accordance with the City's Tree Protection By-law.

- In addition to the replacement trees, boulevard street trees will be planted on 82 Avenue, 170A Street and 171 Street. This will be determined by the Engineering Department during the servicing design review process.
- In summary, a total of eleven (11) trees are proposed to be retained or replaced on the site with a contribution of \$4,800 to the Green City Fund.

SUSTAINABLE DEVELOPMENT CHECKLIST

The applicant prepared and submitted a sustainable development checklist for the subject site. The table below summarizes the applicable development features of the proposal based on the seven (7) criteria listed in the Surrey Sustainable Development Checklist.

Sustainability Criteria	Sustainable Development Features Summary
1. Site Context & Location (A1-A2)	• The proposed development is consistent with the Suburban designation in the OCP.
2. Density & Diversity (B1-B7)	 The proposed development is within the allowable density for suburban lots. One secondary suite will be permitted in each future home.
3. Ecology & Stewardship (C1-C4)	Low impact development standards will be incorporated.
4. Sustainable Transport & Mobility (D1-D2)	• Transit service runs along Fraser Highway, with a transit stop approximately 1 kilometre (o.6 mile) from the subject site.
5. Accessibility & Safety (E1-E3)	Houses will be oriented towards the street.
6. Green Certification (F1)	• N/A
7. Education & Awareness (G1-G4)	 Pre-notification letters were mailed to area residents and a development proposal sign was installed on the subject site.

INFORMATION ATTACHED TO THIS REPORT

The following information is attached to this Report:

Appendix I. Lot Owners, Action Summary and Project Data Sheets

Appendix II. Proposed Subdivision Layout

Appendix III. Engineering Summary
Appendix IV. School District Comments

Appendix V. Building Design Guidelines Summary

Appendix VI. Summary of Tree Survey and Tree Preservation

Appendix VII. Proposed CD By-law

original signed by Judith Robertson

Jean Lamontagne General Manager Planning and Development

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<u>Information for City Clerk</u>

Legal Description and Owners of all lots that form part of the application:

1. (a) Agent: Name: Lori Joyce

H.Y. Engineering Ltd.

Address: Suite 200, 9128 - 152 Street

Surrey, BC V₃R₄E₇

Tel: (604) 583-1616

2. Properties involved in the Application

(a) Civic Address: 8210 - 170A Street

(b) Civic Address: 8210 - 170A Street

Owners: Harjot K. Brar

Maninder K. Brar Charanjit K. Dhillon Balvinder K. Brar

PID: 010-316-221

Lot 12 Section 30 Township 8 New Westminster District Plan 17602

- 3. Summary of Actions for City Clerk's Office
 - (a) Introduce a By-law to rezone the property.

SUBDIVISION DATA SHEET

Proposed Zoning: CD (based on RH-G)

Requires Project Data	Proposed
GROSS SITE AREA	•
Acres	1.4
Hectares	0.58
NUMBER OF LOTS	
Existing	1
Proposed	3
SIZE OF LOTS	
Range of lot widths	27 to 54 metres
Range of lot areas	1,120 to 2,240 square metres
DENSITY	
Lots/Hectare & Lots/Acre (Gross)	5 lots per hectare (2 upa)
SITE COVERAGE (in % of gross site area)	
Maximum Coverage of Principal &	25%
Accessory Building	-
Estimated Road, Lane & Driveway Coverage	25%
Total Site Coverage	50%
PARKLAND	
Area (square metres)	N/A
% of Gross Site	N/A
	Required
PARKLAND	
5% money in lieu and 10% contribution	YES
TREE SURVEY/ASSESSMENT	YES
MODEL BUILDING SCHEME	YES
HERITAGE SITE Retention	NO
FRASER HEALTH Approval	NO
DEV. VARIANCE PERMIT required	
Road Length/Standards	NO
Works and Services	NO
Building Retention	NO
Others	NO



PROPOSED SUBDIVISION LAYOUT

Planning & Development Department 13450 — 104th Avenue, Surrey British Columbia, Canada V3T 1V8 Tel. (604) 591-4441 Fax. (604) 591-2507 File No: 7915-0065-00

MAP #: 046

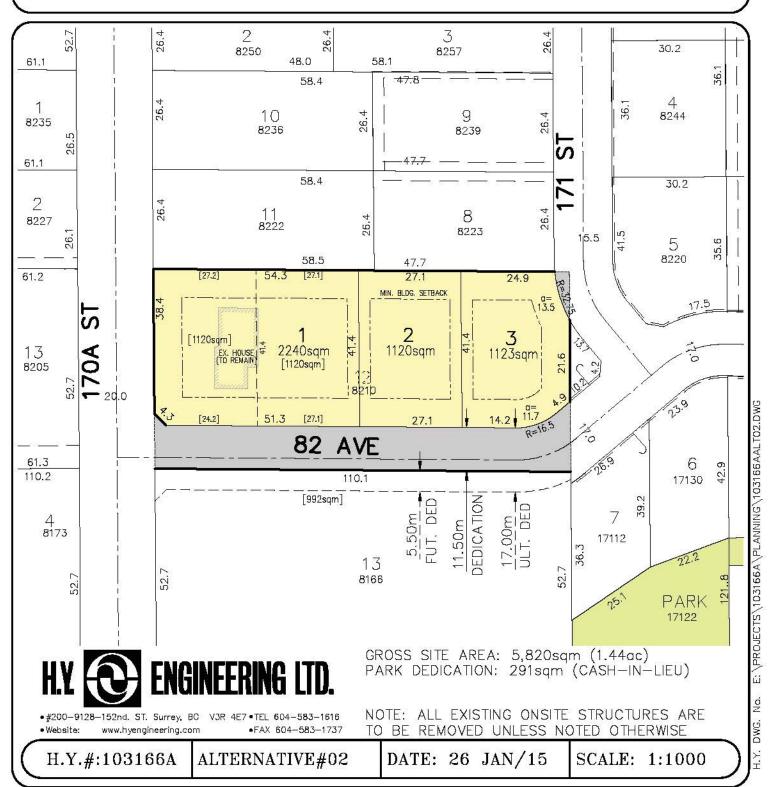
EXIST. ZONE: A-1

PROP. ZONE: CD (RH-G)



CIVIC ADDRESS: 8210 - 170A ST., SURREY, BC

LEGAL: LOT 12, SECTION 30, TOWNSHIP 8, N.W.D., PLAN 17602





INTER-OFFICE MEMO

TO:

Manager, Area Planning & Development

- North Surrey Division

Planning and Development Department

FROM:

Development Services Manager, Engineering Department

DATE:

January 21, 2016

PROJECT FILE:

7815-0065-00

RE:

Engineering Requirements Location: 8210 170A Street

REZONING AND SUBDIVISION

Property and Right-of-Way Requirements

- dedicate ±30.7 m² on 171 Street to complete the 15.5 m Through Local Road allowance;
- dedicate 11.5 m for 82 Avenue towards the ultimate 17.0 m Through Local Road allowance;
- register 0.5 m statutory right-of-way along 82 Avenue; and
- dedicate 3.0 m x 3.0 m corner cut at 82 Avenue and 170A Street.

Works and Services

- construct east side of 170A Street to the Urban Forest Road standard complete with 4.25 m pavement to centre line, barrier curb and gutter, 1.5 concrete sidewalk and streetlighting;
- construct 171 Street boulevard;
- construct north side of 82 Avenue to the 11.5 m Half Road standard complete with barrier curb and gutter, 1.5 m concrete sidewalk adjacent to property line and street lighting; and
- construct storm, water, and sanitary mains and service connections to service the development.

A Servicing Agreement is required prior to Rezoning and Subdivision.

Robert Cooke, Eng.L.

R Cople

Development Project Engineer

sk



Wednesday, December 02, 2015
Planning

THE IMPACT ON SCHOOLS

APPLICATION #:

15 0065 00

SUMMARY

The proposed 3 single family lots are estimated to have the following impact on the following schools:

Projected # of students for this development:

Elementary Students:	1
Secondary Students:	0

September 2015 Enrolment/School Capacity

Coast Meridian Elementary

North Surrey Secondary		
Capacity (K/1-7):	40 K + 250	
Enrolment (N/ 1-7):	20 N + 302	

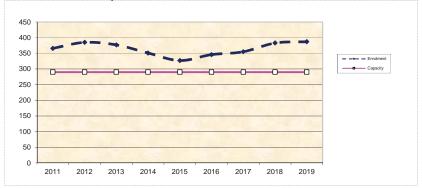
Enrolment (8-12): 1371
Nominal Capacity (8-12): 1175
Functional Capacity*(8-12); 1269

School Enrolment Projections and Planning Update:

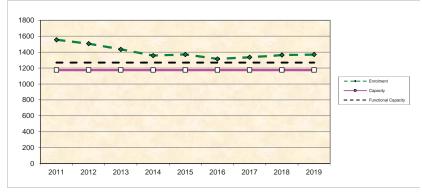
The following tables illustrate the enrolment projections (with current/approved ministry capacity) for the elementary and secondary schools serving the proposed development.

There are currently no new capital space projects proposed at Coast Meridian Elementary and no new capital projects identified for North Surrey Secondary. The school district is in the design phase of planning for a new North Clayton secondary school on site 215 which, when completed, will reduce existing and projected overcrowding at Lord Tweedsmuir Secondary, North Surrey Secondary and Clayton Heights Secondary. The subject development will not have an impact on these projections.

Coast Meridian Elementary



North Surrey Secondary



*Functional Capacity at secondary schools is based on space utilization estimate of 27 students per instructional space. The number of instructional spaces is estimated by dividing nominal facility capacity (Ministry capacity) by 25.

BUILDING GUIDELINES SUMMARY

Surrey Project no: 7915-0065-00

Project Location: 8210 - 170A Street, Surrey, B.C.

Design Consultant: Tynan Consulting Ltd., (Michael E. Tynan)

The draft Building Scheme proposed for this Project has been filed with the City Clerk. The following is a summary of the Residential Character Study and the Design Guidelines which highlight the important features and form the basis of the draft Building Scheme.

1. Residential Character

1.1 General Description of the Existing and/or Emerging Residential Character of the Subject Site:

This area was built out over a time period spanning from the 1960's to the post-year 2000's. The age distribution from oldest to newest is: 1960's (6%), 1970's (25%), 1990's (38%), and post 2000's (31%). A majority of homes in this area have a floor area over 3500 sq.ft. Home size distribution is: 1000 - 1500 sq.ft. (6%), 2001 - 2500 sq.ft. (19%), 2501 - 3000 sq.ft. (6%), 3001 - 3550 sq.ft. (19%), over 3550 sq.ft. (50%). Styles found in this area include: "Old Urban" (13%), "West Coast Traditional (Bavarian emulation)" (6%), "Rural Heritage" (13%), "Traditional English" (6%), and "Neo-Traditional" (63%). Home types include: Bungalow (6%), Basement Entry (13%), Cathedral Entry (13%), and Two-Storey (69%).

Massing scale (front wall exposure) characteristics include: Low mass structure (6%), Mid-scale massing (37%), Mid to high scale massing (37%), High scale massing (6%), and High scale, box-like massing (13%). The scale (height) range for front entrance structures include: One storey front entrance (44%), One storey front entrance veranda in heritage tradition (19%), and 1 ½ storey front entrance (38%).

The range of roof slopes found in this area is: 4:12 (5%), 5:12 (14%), 7:12 (5%), 8:12 (14%), 10:12 (5%), 12:12 (36%), and greater than 12:12 (23%). Main roof forms (largest upper floor truss spans) include: Main common hip roof (63%), and Main common gable roof (38%). Feature roof projection types include: None (5%), Common Hip (5%), Common Gable (68%), Dutch Hip (5%), Shed roof (11%), and Carousel Hip (5%). Roof surfaces include: Interlocking tab type asphalt shingles (6%), Rectangular profile type asphalt shingles (25%), Concrete tile (shake profile) (44%), Cedar shingles (19%), and Shake profile composite product (6%).

Main wall cladding materials include: Horizontal cedar siding (19%), Hardiplank siding (19%), Stucco cladding (44%), Full height stone at front (6%), and Full height brick at front (13%). Feature wall trim materials used on the front facade include: No feature veneer (14%), Brick feature veneer (36%), Stone feature veneer (36%), Horizontal cedar accent (7%), and Stucco feature accent (7%). Wall cladding and trim colours include: Neutral (26%), and Natural (74%).

Covered parking configurations include: Double carport (19%), Double garage (31%), Triple garage (44%), Rear garage (6%).

A variety of landscaping standards are evident, ranging from "modest old suburban" to an above average modern urban landscape standard featuring numerous shrub plantings. Driveway surfaces include: Gravel (6%), Asphalt (25%), Exposed aggregate (25%), Stamped concrete (13%), Interlocking masonry pavers (25%), and Rear driveway (6%).

1.2 Features of Surrounding Dwellings Significant to the Proposed Building Scheme:

- 1) Context Homes: Sixty nine percent of existing neighbouring homes provide suitable architectural context for use at the subject site (and therefore 31 percent of homes are considered 'non-context'.) Context homes include: 8236 170A Street, 8222 170A Street, 8140 170A Street, 8205 170A Street, 8227 170A Street, 8244 171 Street, 8220 171 Street, 17130 82 Avenue, 17112 82 Avenue, 8223 171 Street, and 8239 171 Street. These homes meet new massing design standards in which various projections on the front of the home are proportionally consistent with one another, are well balanced across the façade, are visually pleasing, and are architecturally interesting. These new homes provide an appropriate standard for future development in this area, and emulating the standards found on these homes will reinforce the desirable emerging trend. Therefore, new homes should be consistent in theme, representation and character with homes identified as context homes above.
- 2) <u>Style Character:</u> Surrounding context homes exhibit a suburban-estate style character, and architecturally interesting massing design. Styles suited for this objective include "Traditional" (including English Country, English Tudor, English Manor, Cape Cod and other sub-styles that impart a formal, stately character), Classical Heritage, Neo-Heritage, and estate quality manifestations of the Neo-Traditional style. Note that style range is not restricted in the building scheme. However, the consultant refers to the character study style recommendations when reviewing plans.
- 3) <u>Home Types:</u> There are a wide range of home types evident, and so some flexibility is justified. Home type (Two-Storey, Bungalow, Basement Entry, Split Level, etc..) will not be regulated in the building scheme.
- 4) <u>Massing Designs</u>: Massing designs should meet new standards for RH(G) zoned subdivisions. New homes should exhibit "mid-scale" massing. Various elements and projections on the front of the home should be interesting architecturally, and should be in pleasing natural proportions to one another. These elements and projections should be located so as to create balance across the façade.
- 5) <u>Front Entrance Design</u>: Front entrance porticos range from one to 1 ½ storeys in height. The recommendation is to limit the range of entrance portico heights to between one storey and 1 ½ storeys to ensure there is not proportional overstatement of this one element.
- 6) <u>Exterior Wall Cladding</u>: This is an estate home area in which high value homes have been constructed with high quality cladding materials. Vinyl is a low cost utility cladding material that is well suited to areas where affordability is an objective. This is not the case here, as all lots and new homes will be of high value and estate quality. Vinyl therefore, is not recommended.
- Roof surface: A wide range of roof surfacing materials have been used in this area including cedar shingles, concrete roof tiles, and asphalt shingles. The roof surface is not a uniquely recognizable characteristic of this area and so flexibility in roof surface materials is warranted. The recommendation is to permit cedar shingles, shake profile concrete roof tiles, shake profile asphalt shingles with a raised ridge cap, and new environmentally sustainable roof products that have a strong shake profile.

8) Roof Slope: Roof slopes of 7:12 or higher have been used on context homes. This is a suitable minimum roof slope given the objectives of ensuring continuity with context homes and to ensure that homes appear style-authentic within the proposed style range.

Streetscape:

The streetscape consists of several old urban homes from the 1970's, including two box-like Basement Entry type, two Cathedral Entry type and one Bungalow. All have simple low slope roofs, simple rectangular massing and a modest trim and detailing standard. In contrast, other homes are large (3500 sq.ft. plus) Two-Storey type estate homes with interesting complex roof designs and wall masses broken into numerous interesting wall planes. Roof slopes are steep, usually a main common hip form with numerous common gable feature projections. Main cladding materials include stucco or Hardiplank, and stone or brick. Homes and landscapes meet a desirable modern standard and these homes are considered context quality.

2. Proposed Design Guidelines

2.1 Specific Residential Character and Design Elements these Guidelines Attempt to Preserve and/or Create:

- The new homes are constructed to a high architectural standard, meeting or exceeding standards found in most executive-estate quality subdivisions in the City of Surrey. New homes are readily identifiable as one of the following styles: "Traditional" (including English Country, English Tudor, English Manor, Cape Cod and other sub-styles that impart a formal, stately character), Classical Heritage, Neo-Heritage, and estate quality manifestations of the Neo-Traditional style.
- a new single family dwelling constructed on any lot meets year 2000's design standards, which
 include the proportionally correct allotment of mass between various street facing elements, the
 overall balanced distribution of mass within the front facade, readily recognizable style-authentic
 design, and a high trim and detailing standard used specifically to reinforce the style objectives
 stated above.
- trim elements will include several of the following: furred out wood posts, articulated wood post bases, wood braces and brackets, louvered wood vents, bold wood window and door trim, highly detailed gable ends, wood dentil details, stone or brick feature accents, covered entrance verandas and other style-specific elements, all used to reinforce the style (i.e. not just decorative).
- the development is internally consistent in theme, representation, and character.
- the entrance element will be limited in height (relative dominance) to 1 to 1 ½ storeys.

2.2 Proposed Design Solutions:

Interfacing Treatment with existing dwellings)

Strong relationship with neighbouring "context homes" including 8236 - 170A Street, 8222 - 170A Street, 8140 - 170A Street, 8205 - 170A Street, 8227 - 170A Street, 8244 - 171 Street, 8220 - 171 Street, 17130 - 82 Avenue, 17112 - 82 Avenue, 8223 - 171 Street, and 8239 - 171 Street. Homes will therefore be in a compatible style range, including "Traditional" (including English Country, English Tudor, English Manor, Cape Cod and other sub-styles that impart a formal, stately character), Classical Heritage, Neo-Heritage, and estate quality manifestations of the Neo-Traditional style. (note however that style range is not specifically regulated in the building scheme).

New homes will have similar or better massing designs (equal or lesser massing scale, consistent proportionality between various elements, and balance of volume across the facade). New homes will have similar roof types, roof slope and roofing materials to the context homes. Wall cladding, feature veneers and trim treatments will meet or exceed standards found on the aforesaid context homes.

Exterior Materials/Colours:

Stucco, Cedar, Hardiplank, Brick, and Stone. Vinyl siding not permitted on exterior walls.

"Natural" colours such as browns, greens, clays, and other earth-tones, and "Neutral" colours such as grey, white, and cream are permitted. "Primary" colours in subdued tones such as navy blue, colonial red, or forest green can be considered on trim only. Primary colours are not recommended for this development. "Warm" colours such as pink, rose, peach, salmon are not permitted. Trim colours: Shade variation of main colour, complementary, neutral, or subdued contrast only.

Roof Pitch:

Minimum 7:12.

Roof Materials/Colours:

Cedar shingles, shake profile concrete roof tiles, shake profile asphalt shingles with a raised ridge cap, and new environmentally sustainable roofing products should be permitted, providing that the aesthetic properties of the new materials are equal to or better than that of the traditional roofing products. Greys, black, or browns only.

In-ground basements:

Permitted, subject to determination that service invert locations are sufficiently below grade. Basements will appear

underground from the front.

Treatment of Corner Lots:

Significant, readily identifiable architectural features are provided on both the front and flanking street sides of the dwelling, resulting in a home that architecturally addresses both streets. One-storey elements on the new home shall comprise a minimum of 40 percent of the width of the front and flanking street elevations of the single family dwelling. The upper floor is set back a minimum of 0.9 metres [3'- 0"] from the one-storey elements.

Landscaping:

Moderate modern urban standard: Tree planting as specified on Tree Replacement Plan plus minimum 40 shrubs of a minimum 3 gallon pot size. Corner lots shall have an additional 15 shrubs of a minimum 3 gallon pot size, planted in the flanking street sideyard. Sod from street to face of home. Driveways: exposed aggregate, interlocking masonry pavers, or stamped concrete.

Compliance Deposit: \$5,000.00

Summary prepared and submitted by: Tynan Consulting Ltd. Date: July 20, 2015 Reviewed and Approved by: Date: July 20, 2015 Milat Spen

Tree Preservation Summary

Surrey Project No:

Address: 8210 170A Street Surrey

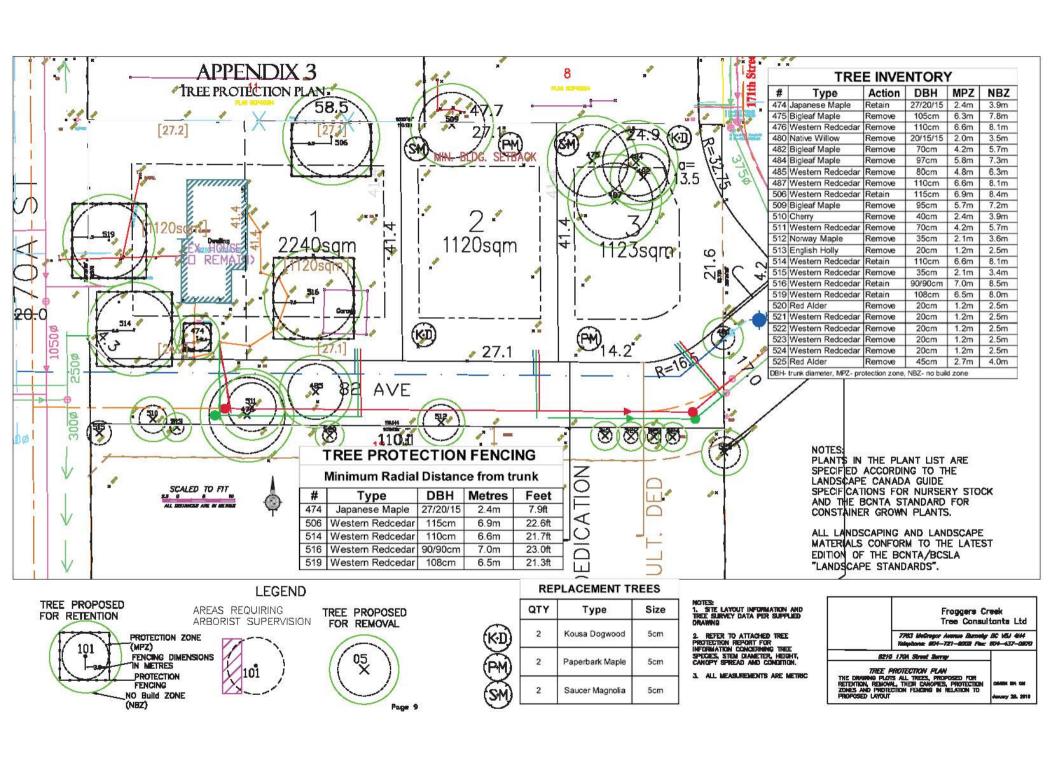
Registered Arborist: Glenn Murray

On-Site Trees	Number of Trees
Protected Trees Identified (on-site and shared trees, including trees within boulevards and proposed streets and lanes, but excluding trees in proposed open space or riparian areas)	16
Protected Trees to be Removed	11
Protected Trees to be Retained (excluding trees within proposed open space or riparian areas)	5
Total Replacement Trees Required: - Alder & Cottonwood Trees Requiring 1 to 1 Replacement Ratio X one (1) = 0 - All other Trees Requiring 2 to 1 Replacement Ratio X two (2) = 22	22
Replacement Trees Proposed	6
Replacement Trees in Deficit	16
Protected Trees to be Retained in Proposed [Open Space / Riparian Areas]	

Off-Site Trees	Number of Trees
Protected Off-Site Trees to be Removed	8
Total Replacement Trees Required:	
- Alder & Cottonwood Trees Requiring 1 to 1 Replacement Ratio2 X one (1) = 2	14
- All other Trees Requiring 2 to 1 Replacement Ratio	
6 X two (2) = 12	
Replacement Trees Proposed	
Replacement Trees in Deficit	14

Summary, report and plan prepared and submitted by:

Shapping		
	20-Jul-15	
(Signature of Arborist)	Date	



CITY OF SURREY

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A by-law to amend Surrey Zoning By-law, 1993, No. 12000, as amended

THE CITY COUNCIL of the City of Surrey ENACTS AS FOLLOWS:

1. Surrey Zoning By-law, 1993, No. 12000, as amended, is hereby further amended, pursuant to the provisions of Section 479 of the <u>Local Government Act</u>, R.S.B.C. 2015 c. 1, as amended by changing the classification of the following parcels of land, presently shown upon the maps designated as the Zoning Maps and marked as Schedule "A" of Surrey Zoning By-law, 1993, No. 12000, as amended as follows:

FROM: GENERAL ARICULTURE ZONE (A-1)

TO: COMPREHENSIVE DEVELOPMENT ZONE (CD)

Parcel Identifier: 010-316-221 Lot 12 Section 30 Township 8 New Westminster District Plan 17602

8210 - 170A Street

(hereinafter referred to as the "Lands")

2. The following regulations shall apply to the *Lands*:

A. Intent

This Comprehensive Development Zone is intended for *single family dwellings* on small *suburban lots*.

B. Permitted Uses

The *Lands* and *structures* shall be used for the following uses only, or for a combination of such uses:

1. One single family dwelling, which may contain 1 secondary suite.

- 2. Accessory uses including the following:
 - (a) Bed and breakfast use in accordance with Section B.2, Part 4
 General Provisions, of Surrey Zoning By-law, 1993, No. 12000, as amended; and
 - (b) The keeping of *boarders* or *lodgers* in accordance with Section B.2, Part 4 General Provisions, of Surrey Zoning By-law, 1993, No. 12000, as amended.

C. Lot Area

Not applicable to this Zone.

D. Density

- 1. For the purpose of subdivision, the maximum *density* shall not exceed 10 *dwelling units* per hectare [4 upa].
- 2. (a) For the purpose of this Section and notwithstanding the definition of floor area ratio in Part 1 Definitions of Surrey Zoning By-law, 1993, No. 12000, as amended, all covered areas used for parking shall be included in the calculation of floor area ratio unless the covered parking is located within the basement; and
 - (b) For building construction within a lot:
 - i. The *floor area ratio* shall not exceed 0.32, provided that, of the resulting allowable floor area, 45 square metres [480 sq.ft.] shall be reserved for use only as a garage or carport, and 10 square metres [105 sq.ft.] shall be reserved for use only as *accessory buildings* and *structures*; and
 - ii. Notwithstanding the above, the maximum floor area shall be 375 square metres [4,000 sq.ft.].

E. Lot Coverage

The *lot coverage* shall not exceed 25%.

F. Yards and Setbacks

Buildings and *structures* shall be sited in accordance with the following minimum *setbacks*:

Setback	Front Yard	Rear Yard	Side Yard	Side Yard on Flanking Street
Use				
Principal Building	7.5 m. [25 ft.]	7.5 m. [25 ft.]	3.0 m. [10 ft.]	7.5 m. [25 ft.]
Accessory Buildings and Structures Greater Than 10 square metres [105 sq.ft.] in Size	18.0 m. [60 ft.]	1.8 m. [6 ft.]	1.0 m. [3 ft.]	7.5 m. [25 ft.]
Other Accessory Buildings and Structures	18.0 m. [60 ft.]	o.o m. [o ft.]	o.o m. [o ft.]	7.5 m. [25 ft.]

Measurements to be determined as per Part 1 Definitions of Surrey Zoning By-law, 1993, No. 12000, as amended.

G. Height of Buildings

Measurements to be determined as per Part 1 Definitions of Surrey Zoning By-law, 1993, No. 12000, as amended.

1. <u>Principal buildings</u>:

- (a) The building height shall not exceed 9 metres [30 ft.]; and
- (b) The *building height* of any portion of a *principal building* with a roof slope of less than 1:4 shall not exceed 7.3 metres [24 ft.].
- 2. <u>Accessory buildings and structures</u>: The building height shall not exceed 4 metres [13 ft.] except that where the roof slope and construction materials of an accessory building are the same as that of the principal building, the building height of the accessory building may be increased to 5 metres [16.5 ft.]

H. Off-Street Parking

1. Resident and visitor *parking spaces* shall be provided as stated in Table C.6 of Part 5 Off-Street Parking and Loading/Unloading of Surrey Zoning By-law, 1993, No. 12000, as amended.

- 2. Outside parking or storage of *campers*, boats and *vehicles* including cars, trucks and *house trailers* ancillary to the residential use, shall be limited to:
 - (a) A maximum of 2 cars or trucks;
 - (b) House trailer, camper or boat provided that the combined total shall not exceed 1; and
 - (c) The total amount permitted under (a) and (b) shall not exceed 3.
- 3. No outside parking or storage of a *house trailer* or boat is permitted within the *front yard setback*, or within the required *side yards* adjacent the *principal building*, or within 1 metre [3 ft.] of the *side lot line*, except on *lots* which have no vehicular access to the *rear yard* or where access is not feasible through modification of *landscaping* or fencing or both, either 1 *house trailer* or 1 boat may be parked in the front *driveway* or to the side of the front *driveway* or in the *side yard*, but no closer than 1 metre [3 ft.] to a side *lot line* nor within 1 metre [3 ft.] of the *front lot line* subject to the residential parking requirements stated in Table C.6 of Part 5 Off-Street Parking and Loading/Unloading of Surrey Zoning By-law, 1993, No. 12000, as amended.

I. Landscaping

- 1. All developed portions of the *lot* not covered by *buildings*, *structures* or paved areas shall be landscaped including the retention of mature trees. This *landscaping* shall be maintained.
- 2. The parking or storage of *house trailers* or boats shall be adequately screened by compact evergreen trees or shrubs at least 1.8 metres [6 ft.] in height and located between the said *house trailer* or boat and any point on the *lot line* within 7.5 metres [25 ft.] of the said *house trailer* or boat, in order to obscure the view from the abutting *lot* or street, except:
 - (a) On a *corner lot*, this required landscape screening shall not be located in an area bounded by the intersecting *lot lines* at a street corner and a straight line joining points 9 metres [30 ft.] along the said *lot lines* from the point of intersection of the 2 *lot lines*;
 - (b) Where the *driveway* or the parking area is used for parking or storage of a *house trailer* or boat, the landscape screen is not required within the said *driveway*; and
 - (c) In the case of *rear yards*, this screening requirement may be provided by a 1.8 metre [6 ft.] high solid fence.

J. Special Regulations

1. A secondary suite shall:

- (a) Not exceed 90 square metres [968 sq. ft.] in floor area; and
- (b) Occupy less than 40% of the habitable floor area of the *building*.

K. Subdivision

Lots created through subdivision in this Zone shall conform to the following minimum standards:

Lot Size	Lot Width	Lot Depth	
1,120 sq. m.	24 metres	30 metres	
[12,000 sq.ft.]	[80 ft.]	[100 ft.]	

Dimensions shall be measured in accordance with Section E.21 of Part 4 General Provisions of Surrey Zoning By-law, 1993, No. 12000, as amended.

L. Other Regulations

In addition to all statutes, bylaws, orders, regulations or agreements, the following are applicable, however, in the event that there is a conflict with the provisions in this Comprehensive Development Zone and other provisions in Surrey Zoning By-law, 1993, No. 12000, as amended, the provisions in this Comprehensive Development Zone shall take precedence:

- 1. Definitions are as set out in Part 1 Definitions of Surrey Zoning By-law, 1993, No. 12000, as amended.
- 2. Prior to any use, the *Lands* must be serviced as set out in Part 2 Uses Limited, of Surrey Zoning By-law, 1993, No. 12000, as amended and in accordance with the servicing requirements for the RH-G Zone as set forth in the Surrey Subdivision and Development By-law, 1986, No. 8830, as amended.
- 3. General provisions are as set out in Part 4 General Provisions of Surrey Zoning By-law, 1993, No. 12000, as amended.
- 4. Additional off-street parking requirements are as set out in Part 5 Off-Street Parking and Loading/Unloading of Surrey Zoning By-law, 1993, No. 12000, as amended.
- 5. Sign regulations are as set out in Surrey Sign By-law, 1999, No. 13656, as amended.
- 6. Special *building setbacks* are as set out in Part 7 Special Building Setbacks, of Surrey Zoning By-law, 1993, No. 12000, as amended.
- 7. Subdivisions shall be subject to the applicable Surrey Development Cost Charge By-law, 2014, No. 18148, as may be amended or replaced from time to time, and the development cost charges shall be based on the RH-G Zone.

	8.	Tree regulations No. 16100, as am		ıt in Surrey T	Tree Protection	on By-law, 24	006,
3.	This By-law s Amendment	hall be cited for al By-law, , No		s as "Surrey Z	Coning Bylaw,	, 1993, No. 12	2000,
PASSE	D FIRST REAI	DING on the	th day o	of	, 20 .		
PASSE	D SECOND RI	EADING on the	th da	ay of	, 20 .		
PUBLI	C HEARING H	IELD thereon on t	he	th day of		, 20 .	
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