

# City of Surrey PLANNING & DEVELOPMENT REPORT File: 7915-0210-00

Planning Report Date: February 01, 2016

### PROPOSAL:

- NCP Amendment from "Townhouses (15 upa max.)" to "Townhouses (25 upa max.)"
- **Rezoning** from RA to RM-30
- Development Permit
- Development Variance Permit

to permit the development of 20 townhouse units.

LOCATION: 15166 - 60 Avenue

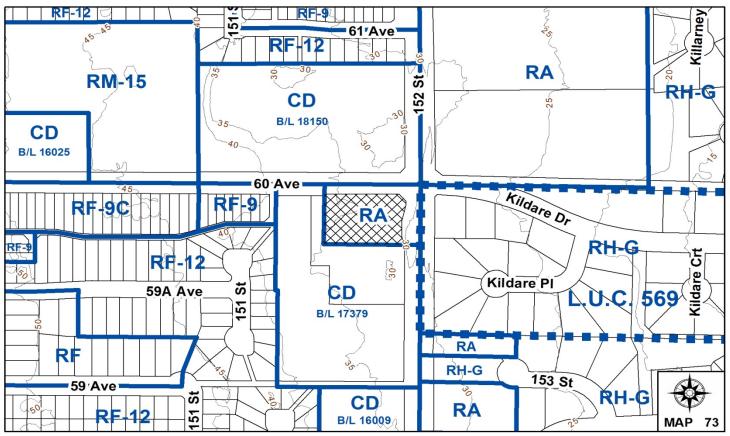
**OWNER:** Allan M Halme

Joan G Halme

**ZONING:** RA

**OCP DESIGNATION:** Urban

NCP DESIGNATION: Townhouses (15 upa max.)



### **RECOMMENDATION SUMMARY**

- By-law Introduction and set date for Public Hearing for Rezoning.
- Approval to eliminate indoor amenity space.
- Approval to draft Development Permit.
- Approval for Development Variance Permit to proceed to Public Notification.

### **DEVIATION FROM PLANS, POLICIES OR REGULATIONS**

- An NCP amendment is proposed to allow for an increase in density to accommodate 20 townhouses at the subject site.
- DVP for setbacks

### RATIONALE OF RECOMMENDATION

- Complies with OCP Designation.
- The proposed South Newton NCP amendment will allow for a small increase in townhouse density.
- While the unit density is higher than the townhouse project to the south at 5957 152 Street, the proposed unit sizes in the subject proposal are smaller. Consequently, the FAR proposed at 0.76 is identical to the FAR of the adjacent townhouse project.
- The proposal will contribute to the required housing mix in the area. The increased density will further support the Panorama Village commercial centre to the south and live-work developments along 60 Avenue.
- The proposed elimination of the indoor amenity space is supportable given the size of the proposed development. Instead, the applicant will provide a cash-in-lieu contribution in accordance with City policy.
- The proposed density and building form are appropriate for this part of South Newton.

### RECOMMENDATION

The Planning & Development Department recommends that:

- a By-law be introduced to rezone the subject site from "One-Acre Residential Zone" (RA) to "Multiple Residential (30) Zone (RM-30)" and a date be set for Public Hearing.
- 2. Council approve the applicant's request to eliminate the required indoor amenity space of 60 square metres (646 square feet).
- 3. Council authorize staff to draft Development Permit No. 7915-0210-00 generally in accordance with the attached drawings (Appendix II).
- 4. Council approve Development Variance Permit No. 7915-0210-00 (Appendix VII) varying the following, to proceed to Public Notification:
  - (a) to reduce the minimum rear yard setback (west) of the RM-30 Zone from 7.5 metres (25 ft.) to 3.0 metres (10 ft.);
  - (b) to reduce the minimum side yard setback (north) of the RM-30 Zone from 7.5 metres (25 ft.) to 6.1 metres (20 ft.);
  - (c) to reduce the minimum side yard setback (south) of the RM-30 Zone from 7.5 metres (25 ft.) to 4.6 metres (15 ft.); and
  - (d) to allow for parking within the south setback of the RM-30 Zone, for visitor stalls #3 and #4.
- 5. 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) approval from the Ministry of Transportation & Infrastructure;
  - (d) submission of a finalized tree survey and a statement regarding tree preservation to the satisfaction of the City Landscape Architect;
  - (e) submission of a landscaping plan and landscaping cost estimate to the specifications and satisfaction of the Planning and Development Department;
  - (f) resolution of all urban design issues to the satisfaction of the Planning and Development Department;
  - (g) demolition of existing buildings and structures to the satisfaction of the Planning and Development Department;

(h) submission of an acoustical report for the units adjacent to 152 Street and registration of a Section 219 Restrictive Covenant to ensure implementation of noise mitigation measures;

- (i) registration of a Section 219 Restrictive Covenant to specifically identify the allowable tandem parking arrangement and to prohibit the conversion of the tandem parking spaces into livable space;
- (j) registration of a Section 219 Restrictive Covenant to adequately address the City's needs with respect to public art, to the satisfaction of the General Manager Parks, Recreation and Culture;
- (k) the applicant satisfy the deficiency in tree replacement on the site, to the satisfaction of the Planning and Development Department;
- (l) the applicant adequately address the impact of <u>no</u> indoor amenity space; and
- (m) the applicant adequately address the impact of <u>reduced</u> outdoor amenity space.
- 6. Council pass a resolution to amend the South Newton NCP to redesignate the land from "Townhouses (15 upa max.)" to "Townhouses (25 upa max.)" when the project is considered for final adoption.

### **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:** 

6 Elementary students at Sullivan Elementary School

3 Secondary students at Sullivan Heights Secondary School

(Appendix IV)

Given the existing and projected enrolment pressures in South Newton, the school district does not support development occurring

at a higher density than outlined in approved NCPs.

The applicant has advised that the dwelling units in this project are expected to be constructed and ready for occupancy by Spring 2018.

Parks, Recreation &

Culture:

No concerns.

Surrey Fire Department: No concerns.

Ministry of Transportation & Infrastructure (MOTI):

Preliminary Rezoning Approval is granted pursuant to Section 52 (3)(a) of the *Transportation Act*, and valid for one year from January 05, 2016.

### **SITE CHARACTERISTICS**

Existing Land Use: single family dwelling

### Adjacent Area:

Direction	Existing Use	OCP/NCP	<b>Existing Zone</b>
		Designation	
North (Across	Townhouse site (Development	Urban / Townhouses	CD (By-law No.
60 Avenue):	Application No. 7912-0082-00)	(20 upa max.)	18150)
East (Across	Suburban single family dwellings	Suburban / -	LUC No. 569
152 Street):			
South:	Townhouse site (Development	Urban / Townhouses	CD (By-law No.
	Application No. 7906-0037-00)	(20 upa max.)	17379)
West:	Townhouse site (Development	Urban / Townhouses	CD (By-law No.
	Application No. 7906-0037-00)	(20 upa max.)	17379)

### **JUSTIFICATION FOR PLAN AMENDMENT**

- The South Newton NCP designates this property as "Townhouses (15 upa max)". The applicant is proposing an amendment to "Townhouses (25 upa max)" (Appendix VI). The amendment will facilitate the development of a 20-unit townhouse development, with a density of 53.6 units per hectare (21.7 upa).
- The proposed amendment reflects the intent of the NCP to establish ground-oriented units, and further supports a variety of housing choices.
- The increase in density will help support the commercial development to the south. The layout proposed a mix of double- and tandem-garage units, and proposes to eliminate the required indoor amenity space. The mix of units, along with the additional space increases the density on the site, while at the same time proposing units and site layout consistent with other developments in the area.
- While the unit density is higher than the townhouse project to the south at 5957 152 Street, the proposed unit sizes in the subject proposal are smaller. Consequently, the FAR proposed at 0.76 is identical to the FAR of the adjacent townhouse project.

### **DEVELOPMENT CONSIDERATIONS**

• The 0.373-hectare (0.9-acre) subject site is located on the southwest corner of 152 Street and 60 Avenue in South Newton.

- The subject site is designated Urban in the Official Community Plan (OCP), zoned One-Acre Residential (RA) Zone, and designated "Townhouses (15 upa max.)" in the South Newton Neighbourhood Concept Plan (NCP).
- The applicant proposes an amendment to the South Newton NCP from "Townhouses (15 upa max.)" to "Townhouses (25 upa max.)", rezoning from One-Acre Residential (RA) Zone to Multiple Residential 30 Zone (RM-30), and a Development Permit to permit the development of 20 townhouse units. A Development Variance Permit is also proposed as part of the application, to vary setbacks (see By-law Variance section).
- The proposal includes road dedications, and tree preservation on the site, as well as the provision of a plaza for pedestrians at the southwest corner of 60 Avenue and 152 Street.
- The proposal comprises a total floor area of 2,844 square metres (30,614 sq. ft.) representing a net floor area ratio (FAR) of 0.76, which is below the maximum 0.90 FAR allowed in the RM-30 Zone.

### PRE-NOTIFICATION

Pre-notification letters were sent on December 21, 2015 to 271 properties within 100 metres (328 ft.) of the subject site, including the Newton Community Association, Panorama Neighbourhood Association and Sullivan Amateur Athletic and Community Association. A development proposal sign was also installed on the site on December 15, 2015. Staff received three emails with concerns. A summary is provided below:

• Parking: concerns that the increase in allowable density from "Townhouses (15 upa max.)" to "Townhouses (25 upa max.)" would result in increase in parking demand on 60 Avenue.

(The proposed development provides two parking spaces for each proposed unit, as well as 4 visitor parking spaces, as required in the Zoning By-law. Given the scale of the development, the increase in allowable density represents 6 additional units, which require 12 additional resident parking spaces, and 1 additional visitor parking stall, all of which is being provided in the proposed development. In addition, the applicant will be required to widen 60 Avenue and remove the existing driveway as part of the proposed development, which will provide a few additional on-street parking stalls on 60 Avenue).

Density and neighbourhood character

(The proposed development is at 21.7 upa. While this unit density is higher than the townhouse project to the south at 5957 152 Street, the proposed unit sizes in the subject proposal are smaller. Consequently, the FAR proposed at 0.76 is identical to the FAR of the adjacent townhouse project, resulting in a comparable building massing).

#### Access

(The proposed development will have one access at 60 Avenue and one at 152 Street, both of them shared with the adjacent development. Access easements were secured when the adjacent property developed as part of Development Application No. 7906-0037-00).

### DESIGN PROPOSAL AND REVIEW

- The proposal consists of twenty (20) three-storey townhouse units that are contained within 3 buildings. All of the units are provided as either two- or three-bedroom townhouse units with two resident's parking spaces, and range in size from 128 square metres (1,381 sq. ft.) to 149 square metres (1,605 sq. ft.). The proposal also includes an outdoor amenity area including the preservation of a Western Redcedar.
- Individual unit entries are provided to both 60 Avenue and 152 Street.
- Half of the units (10 units) have a double garage parking arrangement, with 10 units proposing a tandem parking arrangement, which complies with the maximum 50% tandem parking permitted in the Zoning By-law.
- The number of dwelling units within each individual building varies from 6 to 7 units. From the total 20 units, 18 are three-bedroom units, and 2 are two-bedroom units.
- Building materials include hardie panel siding, hardi-panels shingle siding, horizontal hardie plank siding, decorative knee brace and wood trims. The colour scheme is blue, beige, grey and accent colour in red stained cedar. The roof is proposed to be in grey asphalt shingles and will include gables and sloped roofs. Additionally, some of the buildings are stepped at individual sections in response to the significant grade changes across the site, which helps to increase the roofline articulation and to reduce the building massing. The natural slope along 60 Avenue will also increase roof articulation along that elevation.
- An acoustical report has been provided for units facing 152 Street, and recommendations from the report will be incorporated on the drawings before issuance of the Development Permit.

### **Landscaping**

- Landscaping is provided along all property lines, with a group of trees retained at the southeast corner of the site.
- The proposed landscaping includes a variety of plants, including Serviceberry, Katsura tree, Redbud, Hybrid Dogwood, Persian Ironwood, Serbian Spruce, Green Pillar Pin Oak and Japanese Snowbell, as well as a variety of shrubs, grass and perennials.
- A pedestrian plaza is proposed at the northeast corner of the site, providing pedestrian connection into the site from the intersection of 60 Avenue and 152 Street.

### Vehicular Access & Parking

• Primary access to the subject site will be provided on 60 Avenue, west of the subject site's property line, through an access easement on the adjacent site (5957 152 Street). A second access to the site will be provided to 152 Street, also through an access easement on the adjacent site (5957 152 Street).

• The applicant is proposing to provide 40 resident parking spaces and 4 visitor parking spaces, which meets the parking requirements of the Zoning By-law.

### **Amenity Space**

- The Zoning By-law requires 60 square metres (646 sq. ft.) of both indoor and outdoor amenity space for this project, based on 3 square metres (32 sq. ft.) per dwelling unit.
- The applicant has requested that the indoor amenity space be eliminated, due to the low number of units. Instead, the applicant will provide a cash-in-lieu contribution in accordance with City policy.
- The outdoor amenity space totalling 81.5 square metres (877 sq. ft.), is provided adjacent to Building #3, and includes the retention of a large Western Redcedar. The outdoor amenity space exceeds the Zoning By-law minimum requirement of 60 square metres (646 sq. ft.).

### **TREES**

• Monica Ardiel, ISA Certified Arborist of Mike Fadum and Associates 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:

able 1: Summary of Tree Preser	vacion by free 5	pecies.	
Tree Species	Existing	Remove	Retain
Alder	and Cottonwood	l Trees	
Alder / Cottonwood	0	0	0
	<b>Deciduous Tree</b> Alder and Cotton		
Cherry	3	2	1
Maple, Bigleaf	3	3	0
Walnut	1	0	1
Willow, Weeping	1	0	1
	Coniferous Tree	s	
Cedar, Deodar	5	5	0
Cedar, Western Red	5	4	1
Douglas Fir	4	1	3
Hemlock, Western	1	1	0
Pine, Austrian	8	8	0
<b>Total</b> (excluding Alder and Cottonwood Trees)	31	24	7

Total Replacement Trees Proposed (excluding Boulevard Street Trees)	48
Total Retained and Replacement Trees	55
Contribution to the Green City Fund	n/a

- The Arborist Assessment states that there are a total of 31 protected trees on the site, and no Alder and Cottonwood trees. It was determined that 7 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 1 to 1 replacement ratio for Alder and Cottonwood trees, and a 2 to 1 replacement ratio for all other trees. This will require a total of 48 replacement trees on the site. The applicant is proposing 49 replacement trees, exceeding City requirements.
- The new trees on the site will consist of a variety of trees including Serviceberry, Katsura tree, Redbud, Hybrid Dogwood, Persian Ironwood, Serbian Spruce, Green Pillar Pin Oak and Japanese Snowbell, as well as a variety of shrubs, grass and perennials.
- In summary, a total of 55 trees are proposed to be retained or replaced on the site with a no contribution required to the Green City Fund.

### SUSTAINABLE DEVELOPMENT CHECKLIST

The applicant prepared and submitted a sustainable development checklist for the subject site on June 26, 2015. 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	• The proposal conforms with the OCP.
(A <sub>1</sub> -A <sub>2</sub> )	
2. Density & Diversity	• The proposal is for a multi-family development, including both
(B <sub>1</sub> -B <sub>7</sub> )	side-by-side and tandem-garage unit-types.
3. Ecology & Stewardship	• n/a
(C <sub>1</sub> -C <sub>4</sub> )	
4. Sustainable Transport &	• n/a
Mobility (D1-D2)	
5. Accessibility & Safety	• Design incorporates CPTED principles for "eyes on the street"
(E1-E3)	
6. Green Certification	• n/a
(F <sub>1</sub> )	
7. Education & Awareness	• n/a
(G1-G4)	

### **BY-LAW VARIANCE AND JUSTIFICATION**

### (a) Requested Variance:

- Reduce the minimum rear yard setback (west) of the RM-30 Zone from 7.5 metres (25 ft.) to 3.0 metres (10 ft.);
- Reduce the minimum side yard setback (north) of the RM-30 Zone from 7.5 metres (25 ft.) to 6.1 metres (20 ft.); and
- Reduce the minimum side yard setback (south) of the RM-30 Zone from 7.5 metres (25 ft.) to 4.6 metres (15 ft.).

### Applicant's Reasons:

• The proposed setback variances will maximize the development potential of the site, and allow for tree preservation, particularly along the south property line.

### **Staff Comments:**

- The proposed setbacks are appropriate given the site constraints.
- The proposed setbacks are consistent with the adjacent development, approved under Development Application No. 7906-0037-00.
- The proposed northern is measured to the deck posts for Building #1. The face of this building is setback 7.6 m (25 ft.) from 60 Avenue. The setback to Building #2 is a side yard condition, and as such, is acceptable.
- Staff support the proposed variances.

### (b) Requested Variance:

• Allow for parking within the south setback of the RM-30 Zone, for visitor stalls #3 and #4.

### Applicant's Reasons:

• The proposed variances will allow for retention of tree #8030.

### **Staff Comments:**

- The proposed variance will allow for tree retention within the outdoor amenity area.
- The proposed setbacks will not have a significant impact on the adjacent development to the south, as there is a Hydro kiosk directly south of the proposed visitor parking spaces.
- Staff support this proposed variance.

### **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. Survey Plan, Site Plan, Building Elevations and Landscape Plans

Appendix III. Engineering Summary
Appendix IV. School District Comments

Appendix V. Summary of Tree Survey and Tree Preservation

Appendix VI. NCP Plan

Appendix VII. Development Variance Permit No. 7915-0210-00

### INFORMATION AVAILABLE ON FILE

• Acoustical Report prepared by Brown Strachan Associates, dated January 22, 2016.

• Complete Set of Architectural and Landscape Plans prepared by Barnett Dembek Architects Inc. and PMG Landscape Architects, respectively, dated January 13, 2016 and January 07, 2016.

original signed by Ron Hintsche

Jean Lamontagne General Manager Planning and Development

### LFM/dk

### Information for City Clerk

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

1. (a) Agent: Name: Lance Barnett

Barnett Dembeck Architect Inc.

Address: Unit 135, 7536 - 130 Street

Surrey, BC V<sub>3</sub>W<sub>3</sub>E<sub>9</sub>

Tel: 604-597-7100 - Work

604-597-7100 - Home

2. Properties involved in the Application

(a) Civic Address: 15166 - 60 Avenue

(b) Civic Address: 15166 - 60 Avenue Owner: Joan G Halme

Allan M Halme

PID: 005-678-790

Lot 2 Except: Firstly; Parcel A (Bylaw Plan 62480) Secondly; Part Dedicated Road On Plan Lmp33986 Section 10 Township 2 New Westminster District Plan 58689lot: 2, Lt 2 SE Sec 10 T2 Pl 58689

- 3. Summary of Actions for City Clerk's Office
  - (a) Introduce a By-law to rezone the property.
  - (b) Application is under the jurisdiction of MOTI. MOTI File No. 2016-00012
  - (c) Proceed with Public Notification for Development Variance Permit No. 7915-0210-00 and bring the Development Variance Permit forward for an indication of support by Council. If supported, the Development Variance Permit will be brought forward for issuance and execution by the Mayor and City Clerk in conjunction with the final adoption of the associated Rezoning By-law.

### **DEVELOPMENT DATA SHEET**

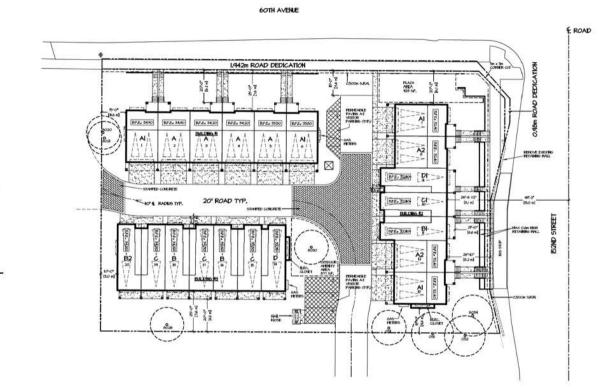
Proposed Zoning: RM-30

Requi	red Development Data	Minimum Required / Maximum Allowed	Proposed
LOT AREA*	(in square metres)		
Gross Tot	tal		3,883 m <sup>2</sup>
R	oad Widening area		152 m²
	ndevelopable area		
Net Total			3,731 m <sup>2</sup>
LOT COVERAGE	E (in % of net lot area)		
Buildings	& Structures	45%	39%
Paved & 1	Hard Surfaced Areas		23%
Total Site	e Coverage		62%
SETBACKS ( in n	netres)		
Front (no	orth)	7.5 m	6.1 m
Rear (sou	ith)	7.5 m	4.6 m
Side #1 (E		7.5 m	8.1 m / 6.6 m to deck
Side #2 (\	W)	7.5 m	3.0 m
BUILDING HEIC	GHT (in metres/storeys)		
Principal	-	13 m	11.5 m
Accessory	У	-	-
NUMBER OF RE	SIDENTIAL UNITS		
Two Bedi	room	-	2
Three Be	droom +	-	18
Total		-	20
FLOOR AREA: F	Residential		2,844 m²
TOTAL BUILDIN	NG FLOOR AREA		2,844 m²

### Development Data Sheet cont'd

Required Development Data	Minimum Required / Maximum Allowed	Proposed
DENSITY		
# of units/ha /# units/acre (gross)	75 upha/30 upa	51.5 upha/20.9 upa
# of units/ha /# units/acre (net)	75 upha/30 upa	53.6 upha/21.7 upa
FAR (gross)	0.90	0.73
FAR (net)	0.90	0.76
AMENITY SPACE (area in square metres)		
Indoor	60 m <sup>2</sup>	o m²
Outdoor	60 m <sup>2</sup>	81.5 m <sup>2</sup>
PARKING (number of stalls)  Residential Bachelor + 1 Bedroom		
2-Bed	2 X 2 = 4	4
3-Bed	2 x 18 = 36	36
Residential Visitors	0.2 X 20= 4	4
Total Number of Parking Spaces	44	44
Number of disabled stalls	-	-
Number of small cars	-	-
Tandem Parking Spaces: Number / % of Total Number of Units	20 / 50%	20 / 50%
Size of Tandem Parking Spaces width/length	3.2 m / 12.2 m	3.2 m / 12.2 m

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	Heritage Site	NO	Tree Survey/Assessment Provided	YES



# DEVELOPMENT DATA

MAIL KIOSK

 
 GROSSI ROAD DEDICATIONI
 41,742 S.F. 1,634 S.F.
 3,693 m2 152 m2
 0,454 Ac 0,038 Ac 0,035 Ac
 0,386 Ha 0,015 ha

 NETI
 40,153 S.F. 3,731 m2
 0,422 Ac 0,313 Ha
 0,313 Ha
 SITE AREA

DENSITY 21.7 UPA 53.6 UPHa (20 UNITS)

FAR 0.76 (30,610 SF.) LOT COVERAGE: 34% (15,000 S.F.)

REGUIRED: 646 S.F. PROVIDED 0 S.F. REQUIRED: 646 S.F. PROVIDED 871 S.F. **OUTDOOR** 

PLAZA AREA

OUTDOOR.

PARKING, RESIDENTIAL: REQUIRED: 20 SPACES x 20 UNITS = 40.0 SPACES PROVIDED: 40 SPACES

REGUIRED: 0.2 SPACES x 20 UNITS = 4 SPACES PROVIDED: 4 SPACES VISITOR

REGUIRED: 44 SPACES PROVIDED: 44 SPACES TOTAL

#### UNIT BREAKDOWN

UNIT TYPE	# OF BEDROOMS	# OF UNITS	BASEMENT S.F.	MAIN S.F.	UPPER S.F.	TOTAL S.F. PER UNIT (EXCLUDING GARAGE)	TOTAL S.F. (EXCLUDING GARAGE)
UNITA	3 BEDROOMS	4 UNITS	243 S.F.	644 SF.	648 S.F.	1,584 S.F.	6,336 S.F.
UNIT AI	3 BEDROOMS	4 UNITS	254 S.F.	658 S.F.	103 S.F.	1,605 S.F.	6,420 S.F.
UNIT A2	3 BEDROOMS	2 UNITS	243 S.F.	644 SF.	648 S.F.	1,584 S.F.	3,68 S.F.
UNITB	3 BEDROOMS	2 UNITS	118 S.F.	634 S.F.	645 S.F.	IA02 SF.	2,804 S.F.
UNIT BI	3 BEDROOMS	I UNIT	118 S.F.	64I S.F.	65I S.F.	1,410 S.F.	I,4IO S.F.
UNIT B2	3 BEDROOMS	LUNIT	118 S.F.	655 S.F.	652 S.F.	1,425 S.F.	1,425 S.F.
UNITC	3 BEDROOMS	3 UNITS	118 S.F.	630 S.F.	633 S.F.	1,381 S.F.	4,143 S.F.
UNIT CI	3 BEDROOMS	LUNIT	118 S.F.	630 S.F.	633 S.F.	1,381 S.F.	1,381 S.F.
UNIT D	2 BEDROOMS	1 UNIT	118 S.F.	655 S.F.	655 S.F.	1,428 S.F.	1,428 S.F.
UNIT DI	2 BEDROOMS	I UNIT	118 S.F.	64I S.F.	654 S.F.	1,413 S.F.	I,4I3 S.F.
	·	200	(A)	9X	.00	TOTAL - 20 INITS	24428 S.F.



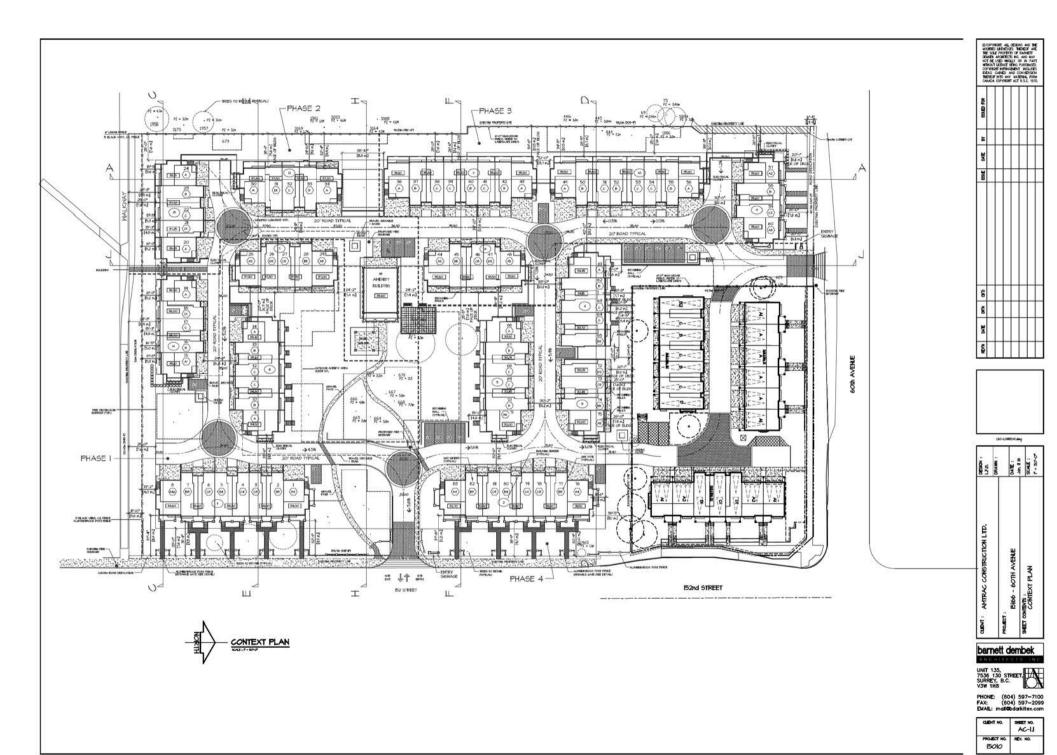
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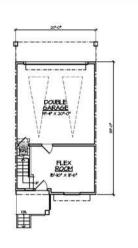


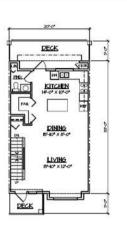
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	DRAWN:
PROJECT: ISI66 - 60TH AVENJE	DATE:
CARTE ANATON	19.00
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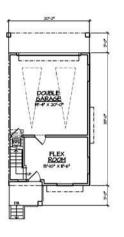
REV. NO.















BASEMENT FLOOR PLAN

SCALE . 10° - 11-0°

BASEMENT AREA
SARAGE AREA
400 S.F.

MAIN FLOOR PLAN SCALE - 160' - 17-0' 644 S.F. UPPER FLOOR PLAN

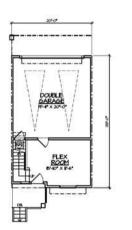
UNIT TYPE 'A'
TOTAL FLOOR AREA (564 S.F.
(GARAGE NOT INCLUDED)

BASEMENT FLOOR PLAN
SCALE 100' - FCO' BASEMENT AREA
GARAGE AREA
412 S.F.

MAIN FLOOR PLAN SCALE - 180' - 150' 656 SF. UPPER FLOOR PLAN

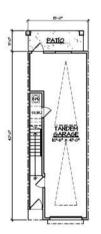
UNIT TYPE 'AI'

TOTAL FLOOR AREA 1605 S.F.
(GARAGE NOT INCLUDED)

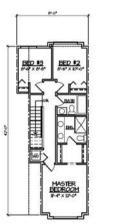












BASEMENT FLOOR PLAN

SCALE . 105 \* 140\*

BASEMENT AREA

242 S.F.
GARAGE AREA

410 S.F.

MAIN FLOOR PLAN SCALE . 100' - 11-00' 644 55F. UPPER FLOOR PLAN 648 SF.

UNIT TYPE 'A2'
TOTAL FLOOR AREA 1,584 S.F.
(GARAGE NOT INCLUDED)

BASEMENT FLOOR PLAN

BASEMENT AREA 118 S.F. GARAGE AREA 503 S.F. MAIN FLOOR PLAN SCALE, 180° + 15-0" 634 5.F. UPPER FLOOR PLAN

(GARAGE NOT INCLUDED)

UNIT TYPE 'B'

	UNIT 135, 7536 130 STREET, SURREY, B.C. V3W 1H8
-	PHONE: (604) 597-7100 FAX: (604) 597-2099
	EMAIL: maliabdarkitex.com

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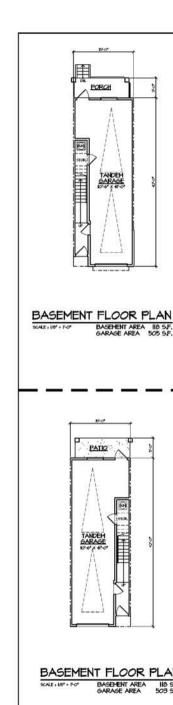
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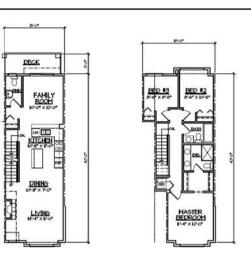
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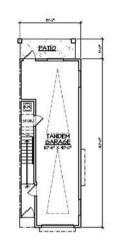
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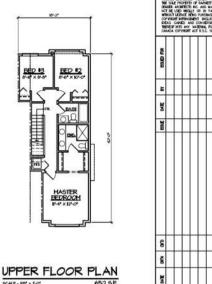
CLIENT NO.	AC-2
PROJECT NO.	REV. NO.











'BI'

BASEMENT FLOOR PLAN BASEMENT AREA GARAGE AREA

MAIN FLOOR PLAN SCALE - 100" = 11-0"

UNIT TYPE 'B2'

TOTAL FLOOR AREA 1,425 S.F. (GARAGE NOT INCLUDED)



MAIN FLOOR PLAN

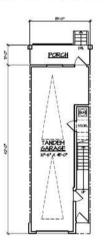


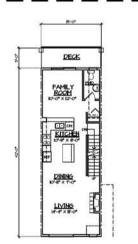
UPPER FLOOR PLAN

UNIT TYPE

TOTAL FLOOR AREA 1,410 S.F.

(GARAGE NOT INCLUDED)







BASEMENT FLOOR PLAN MAIN FLOOR PLAN SCALE . US . F-O\*

UPPER FLOOR PLAN

TOTAL FLOOR AREA 1,381 S.F. (GARAGE NOT INCLUDED)

BASEMENT FLOOR PLAN

BASEMENT AREA 118 S.F., GARAGE AREA 503 S.F.

MAIN FLOOR PLAN SCALE . 100" = 11-0"

UPPER FLOOR PLAN

TOTAL FLOOR AREA 1381 S.F. (GARAGE NOT INCLUDED)

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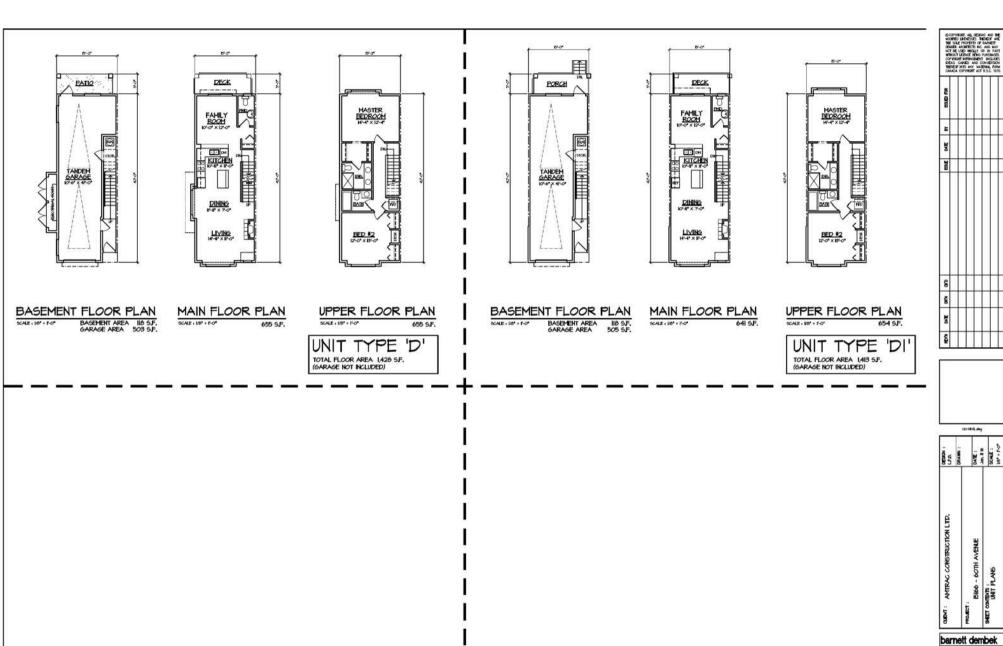
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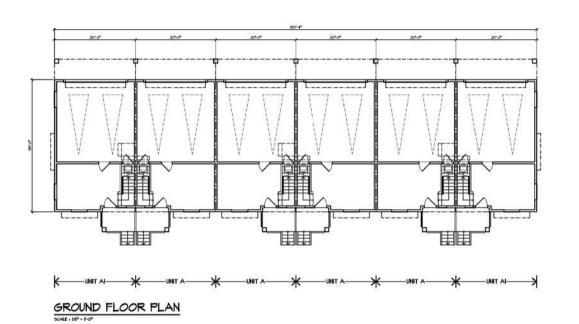
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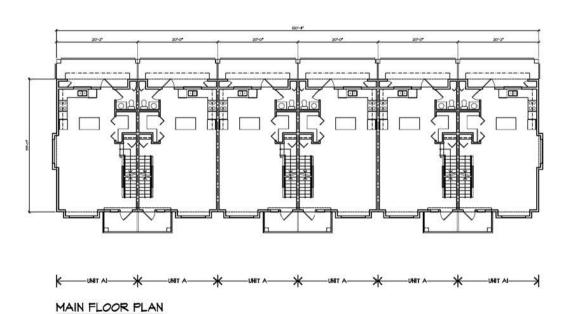
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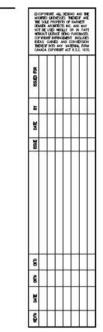
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UNIT 135, 7536 130 STREET, SURREY, B.C. V3W 1H8 PHONE: (604) 597-7100 FAX: (604) 597-2099 EMAIL: mail@bdarkitex.com сиют но. знеет но. АС-2.3 PROJECT NO. REV. NO. 15010





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





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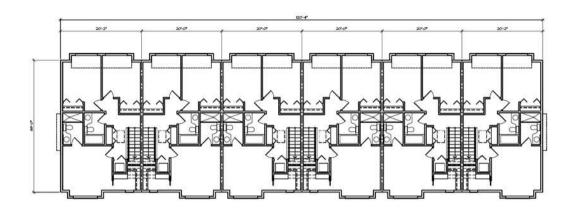
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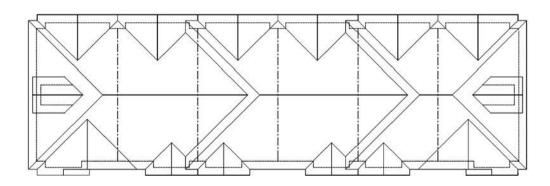
PHONE: (604) 597-7100 FAX: (604) 597-2099 EMAIL: mail@bdarkitex.com

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### UPPER FLOOR PLAN





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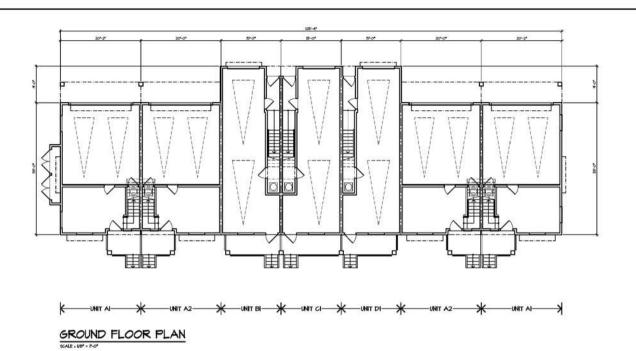
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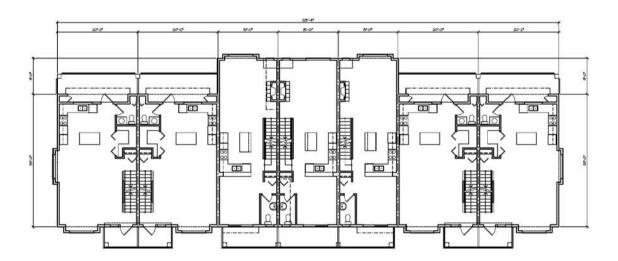
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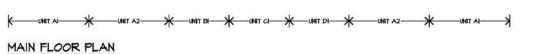
UNIT 135, 7536 130 STREET, SURREY, B.C. V3W 1H8

PHONE: (604) 597-7100 FAX: (604) 597-2099 EMAIL: mail@bdarkitex.com

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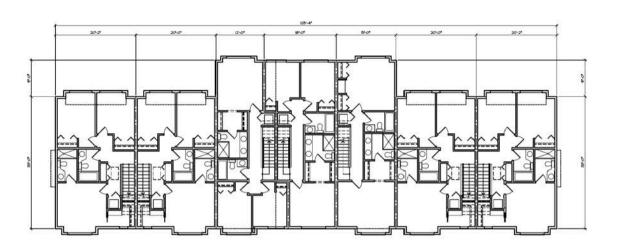
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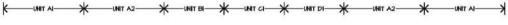
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UNIT 135, 7536 130 STREET, SURREY, B.C. V3W 1H8

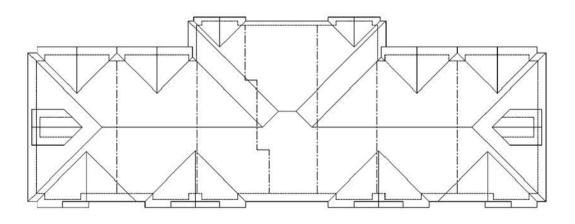
PHONE: (604) 597-7100 FAX: (604) 597-2099 EMAIL: mail@bdarkitex.com

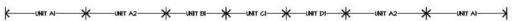
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### UPPER FLOOR PLAN





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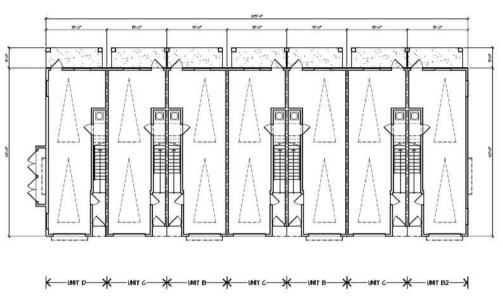


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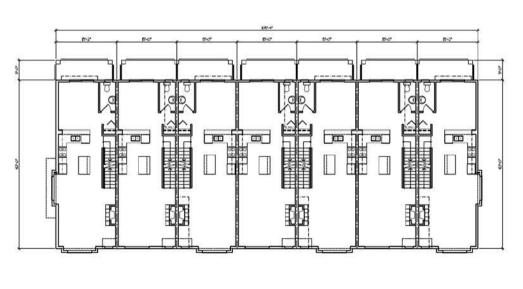
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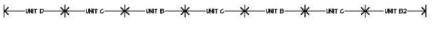
UNIT 135, 7536 130 STREET, SURREY, B.C. V3W 1H8

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MAIN FLOOR PLAN

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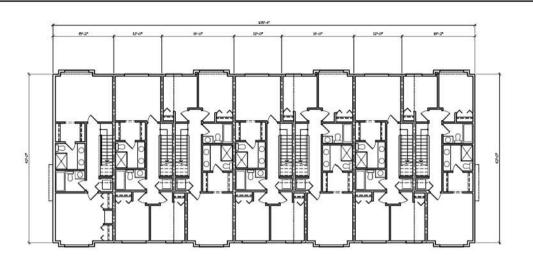
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UNIT 135, 7536 130 STREET, SURREY, B.C. V3W 1H8

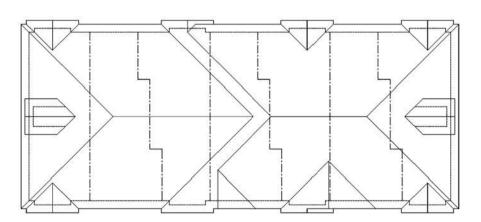
PHONE: (604) 597-7100 FAX: (604) 597-2099 EMAIL: mail@bdarkitex.com

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### UPPER FLOOR PLAN





### ROOF PLAN

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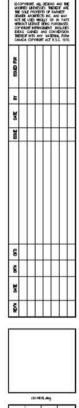
barnett dembek

UNIT 135, 7536 130 STREET, SURREY, B.C. V3W 1H8

PHONE: (604) 597-7100 FAX: (604) 597-2099 EMAIL: mail@bdarkitex.com

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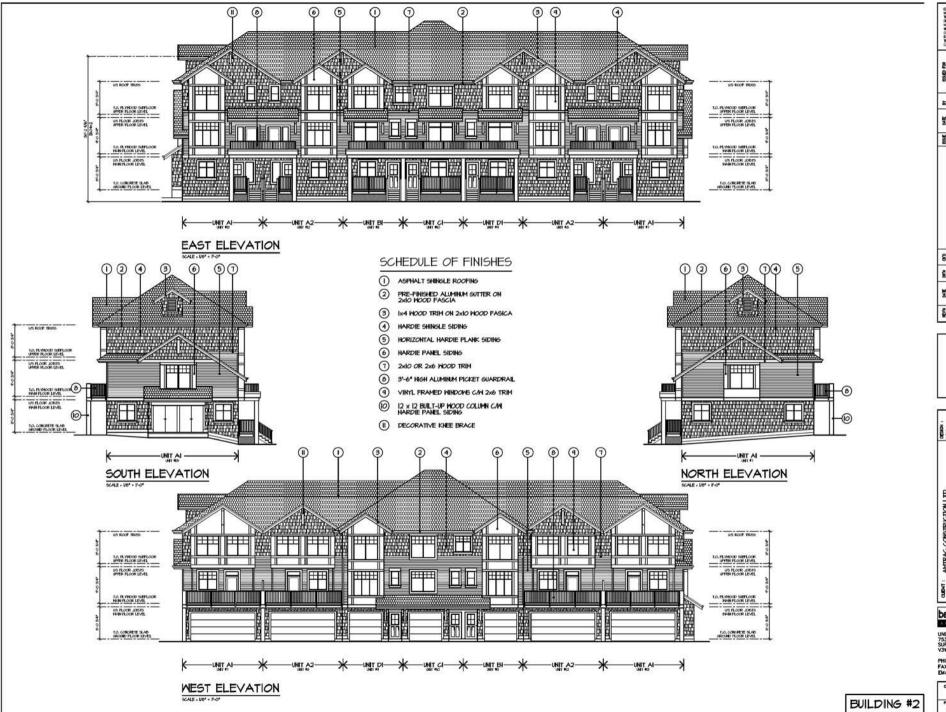
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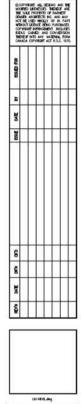
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UNIT 135, 7536 130 STREET, SURREY, B.C. V3W 1H8

PHONE: (604) 597-7100 FAX: (604) 597-2099 EMAIL: mall@bdarkitex.com

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UNIT 135, 7536 130 STREET, SURREY, B.C. V3W 1H8

PHONE: (604) 597-7100 FAX: (604) 597-2099 EMAIL: mail@bdarkitex.com

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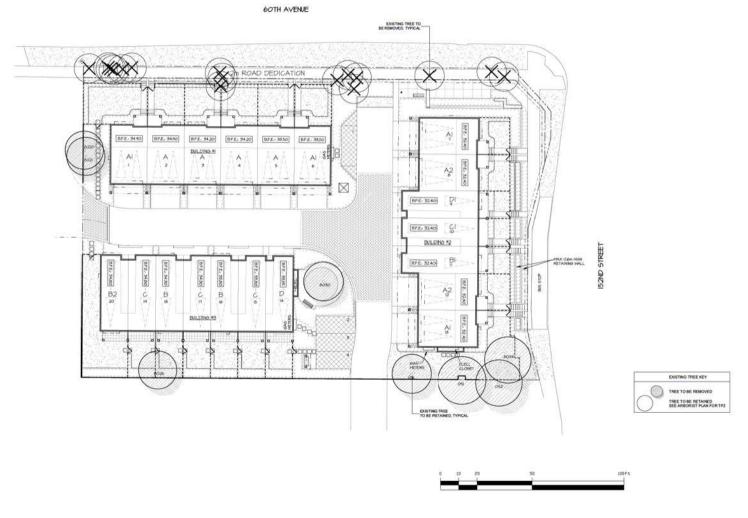






### **COLOR SCHEME**

- 1. ASPHALT SHINGLE ROOF **IKO CAMBRIDGE – DUAL GREY**
- 2. FIBRE CEMENT SHINGLE SIDING, **DULUX PAINT - EASTON BLUE A1966**
- 3. FIBRE CEMENT HORIZONTAL SIDING DULUX PAINT - PALM SPRINGS TAN A1825
- 4. FIBRE CEMENT PANEL SIDING DULUX PAINT - TOUCH OF GREY A2003
- 5. GARAGE DOORS DULUX PAINT WEST COAST GREY A1943
- 6. KNEE BRACES & COLUMNS TO MATCH - RED STAINED CEDAR
- 7. GUARDRAILS & HANDRAILS TO MATCH - KAYKAN - BLACK



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LANDSCAPE ARCHITECTS Suite C100 - 4165 S8I Creek Dries Burnaby, British Columbia, VSC 6069 p. 604 294-4021 ; f. 604 294-0022

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RESIDENTIAL PROJECT

15166 - 60TH AVENUE SURREY

DRAWING TITLE:

15064-5.2P PMG PROJECT NUMBER

TREE MANAGEMENT PLAN

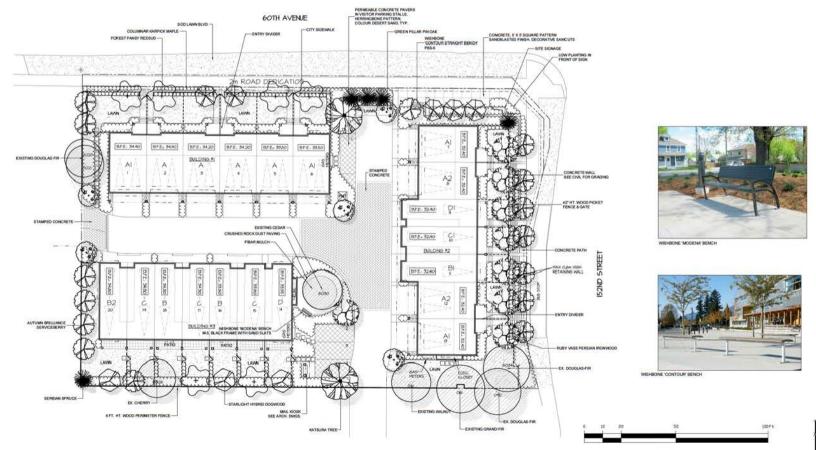


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LANT	SCHEDULE		PMG PROJECT NUMBER: 15-044
KEY QTY	BOTANICAL NAME	COMMON NAME	PLANTED SIZE / REMARKS
TREE			
-CA 15	AMELANCHIER x GRANDIFLORA 'AUTUMN BRILL	JANCIAUTUMN BRILLIANCE SERVICEBERRY	SCM CAL; 1.5M STD
C 2 2	CERCIDIPHYLLUM JAPONICUM	KATSURA TREE	6CM CAL, 1.8M STD, B&B
4. 6	CERCIS CANADENSIS FOREST PANSY	FOREST PANSY REDBUD	6CM CAL: 1.8M STD:BMB
2000 3	CORNUS KOUSA X NUTTALLII 'STARLIGHT'	STARLIGHT HYBRID DOGWOOD	5CM CAL, 1.5M STD
30A 8	PARROTIA PERSICA RUBY VASE	RUBY VASE PERSIAN IRONWOOD	SCM CAL, 1.5M STD.
March 1	PICEA OMORIKA	SERBIAN SPRUCE	SM HT: BAB
TRAS 5	QUERCUS PALUSTRIS 'GREEN PILLAR'	GREEN PILLAR PIN OAK	6CM CAL; 1.8M STD. B&B
5	STYRAX JAPONICUS	JAPANESE SNOWBELL	6CM CAL; 15M STD, B&B
SPREUB			
(n) 22	EUONYMUS ALATA 'COMPACTUS'	COMPACT WINGED BURNING BUSH	#3 POT: 50CM
(n) 12	HEBE PATTY'S PURPLE	PATTY'S PURPLE HEBE	#1 POT; 30CM
(4) 23	HYDRANGEA MACROPHYLLA 'AYESHA'	BIQLEAF HYDRANGEA; LILAC-LIKE FLOWERS	#2 POT, 50CM
(F) 24	HYDRANGEA PANICULATA FIRE & ICE	FIRE & ICE HYDRANGEA	#3 POT; 80CM
(ic) 80	ILEX CRENATA GREEN THUMB	HOLLY: COMPACT	#3 POT; 50CM
(R) 6	PIERIS JAPONICA FOREST FLAME	PIERIS, WHITE BLOOMS	#2 POT; 30CM
(69) 19	RHODODENDRON 'ANAH KRUSCHKE'	RHODODENDRON; BLUE	#3 POT; 50CM
(e) 24	ROSA 'ALBA MEIDILAND'	ALBA MEIDILAND ROSE; WHITE	#2 POT: 40CM
⊚ 34	ROSA MEIDILAND 'RED'	MEDILAND ROSE, RED, 0.9M MATURE HT	#2 POT; 40CM
(ix) 6	SICIMMIA JAPONICA (10% MALE)	JAPANESE SKIMMIA	#3 POT: SOCM
30260112335EE	SPIRAEA X BUMALDA 'UMEMOUND'	LIMEMOUND SPIREA	#2 POT, 40CM
T) 190	TAXUS X MEDIA 14 M. EDDIE	EDDIE'S YEW	#7 POT, 1.0M
2000	VIBURNUM DAVIDII	DAVID'S VIBURNUM	#3 POT; SOCM
(a) 1	VIBURNUM P.T. 'SUMMER SNOWFLAKE'	SUMMER SNOWFLAKE VIBURNUM	#3 POT; 60CM
57	WEIGELA FLORIDA ELVERA	MIDNIGHT WINE WEIGELA	#2 POT, 40CM

PLA	NT S	CHEDULE		PMG PROJECT NUMBER: 15-064
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANTED SIZE / REMARKS
GRASS				
(8)	28	CALAMAGROSTIS ACUTIFLORA KARL FOERSTER	FEATHER REED GRASS	#1 POT
(C)	324	CAREX FLACCA	CARNATION GRASS	#1 POT
(E)	18	HAKONECHLOA MACRA 'AUREOLA'	GOLD VARIEGATED JAPANESE FOREST GRASS	#1 POT
(S)	70	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	#1 POT
9000	130	IMPERATA CYLINDRICA 'RED BARON'	BLOOD GRASS	#1 POT
6	52	MISCANTHUS SINENSIS YAKU JIMA'	YAKU JIMA JAP. SILVER GRASS	#1 POT
900	10	PANICUM VIRGATUM ROTSTRAHLBUSCH	RED SWITCH GRASS	#1 POT
(A)	23	PENNISETUM ORIENTALE	ORIENTAL FOUNTAIN GRASS	#1 POT
PEREN	NIAL.			
(2)	49	HEMEROCALLIS STELLA D'ORO	DWARF DAYLILY	#1 POT: 1-2 FAN
(a)	15	HOSTA UNDULATA	WAVY LEAF HOSTA	#1 POT: 1 EYE
8	21	RUDBECKIA FULGIDA VAR SULLIVANTII 'GOLDSTUF	BWRUDBECKIA: YELLOW	15CM POT
GC .				
60)	100	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	#1 POT: 25CM
8	124	VACCINIUM VITIS-IDAEA	LINGONBERRY	#1 POT: 25CM

NOTES: \* PLANT SIZES IN THIS LIST ARE SPECIFIED ACCORDING TO THE BIC LANDSCAPE STANDARD, LATEST EXITION. CONTAINER SIZES SPECIFIED AS PER CIAL STANDARDS. BOTH HAAM SIZE AND CONTAINER SIZES SPECIFIED AS PER CIAL STANDARDS. BOTH HAAM SIZE AND CONTAINER SIZES SPECIFIED AS PER CIAL STANDARDS. BOTH HAAM SIZE AND CONTAINER SIZES SPECIFIED AS SERVICE AND CONTAINER SIZES SPECIFIED AS SERVICE AS SERVIN



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RESIDENTIAL PROJECT

15166 - 60TH AVENUE SURREY

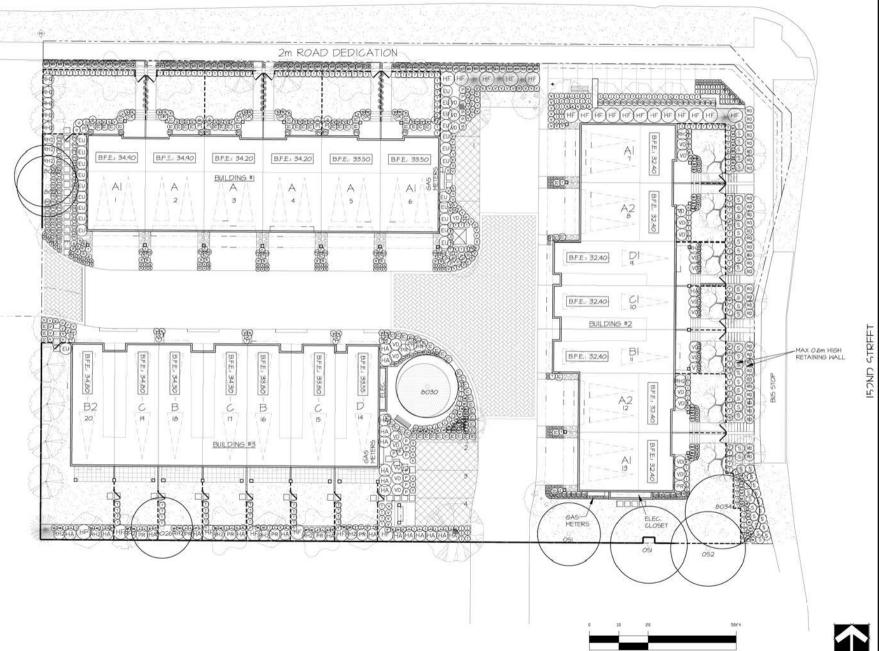
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LANDSCAPE TREE PLAN

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15064-5.2P PMG PROJECT NUMBER



Suite C100 - 4185 Still Creek Drive Burnaby, British Columbia, V5C 6G9 p: 604 294-0011 ; f: 604 294-0022

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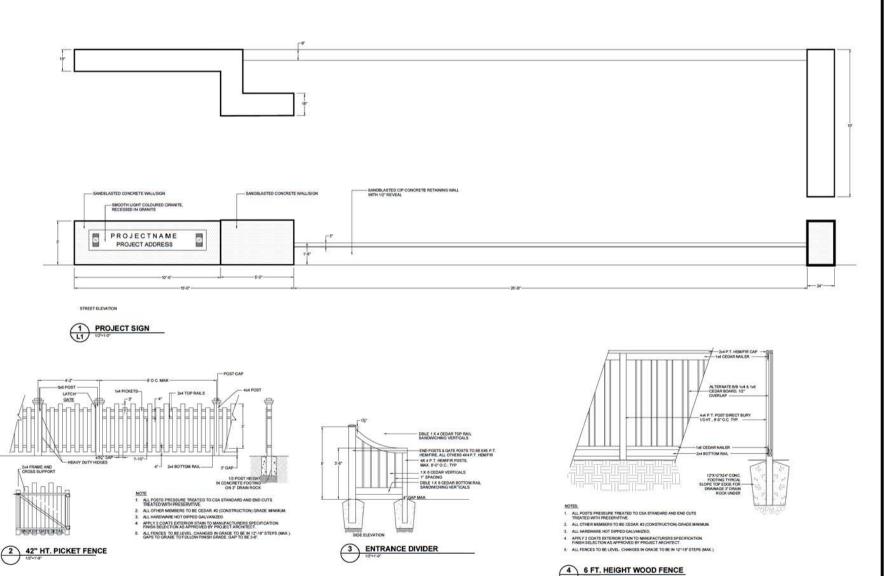
**RESIDENTIAL PROJECT** 

15166 - 60TH AVENUE SURREY

DRAWING TITLE:

LANDSCAPE SHRUB PLAN

15064-5.2P PMG PROJECT NUMBER



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RESIDENTIAL PROJECT

15166 - 60TH AVENUE SURREY

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15064-5.2P PMG PROJECT NUMBER

15-064

QF4



### INTER-OFFICE MEMO

TO:

Manager, Area Planning & Development - South Surrey Division

Planning and Development Department

FROM:

Development Services Manager, Engineering Department

DATE:

January 25, 2016

PROJECT FILE:

7815-0210-00

RE:

Engineering Requirements Location: 15166 60 Ave

### **NCP AMENDMENT**

There are no engineering requirements relative to the NCP Amendment.

#### REZONING

### Property and Right-of-Way Requirements

- dedicate 0.98 m along 152 Street towards ultimate 30.0 m road allowance;
- dedicate 1.942 m along 60 Avenue towards ultimate 24.0 m road allowance;
- dedicate 5 m x 5 m corner cut at intersection of 152 Street and 60 Avenue;
- register 0.5 m statutory right-of-way along 152 Street and 60 Avenue frontages for inspection chambers and sidewalk maintenance.

#### Works and Services

- construct south side of 60 Avenue to modified Collector Road standard;
- construct water, sanitary and storm service connections to the lot.

A Servicing Agreement is required prior to rezoning.

### DEVELOPMENT PERMIT/DEVELOPMENT VARIANCE PERMIT

There are no engineering requirements relative to issuance of the Development Permit/ Development Variance Permit.

Robert Cooke, Eng.L.

Development Project Engineer

Rcools-

MS



Monday, January 04, 2016 **Planning** 

### THE IMPACT ON SCHOOLS

**APPLICATION #:** 15 0210 00

#### **SUMMARY**

The proposed 20 townhouse units are estimated to have the following impact on the following schools:

### **Projected # of students for this development:**

Elementary Students:	6
Secondary Students:	3

### September 2015 Enrolment/School Capacity

Sullivan Elementary

Enrolment (K/1-7):

Capacity (K/1-7):	20 K + 175
Sullivan Heights Secondary	
Enrolment (8-12):	1536
Nominal Capacity (8-12):	1000
Functional Capacity*(8-12);	1080

30 K + 258

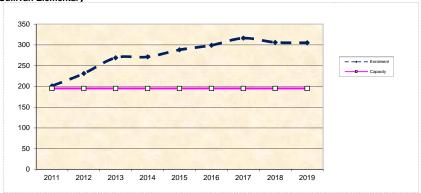
#### School Enrolment Projections and Planning Update:

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

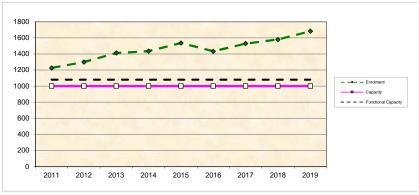
Both Sullivan Elementary and Sullivan Heights Secondary are overcapacity. A number of catchment changes are being implemented for September 2016 to help manage demand between South Newton elementary schools. The Sullivan Heights Secondary site cannot accommodate additional portables and from September 2016 onwards any new in-catchment registrants that are unable to be accommodated at Sullivan Heights Secondary will be accommodated at Frank Hurt Secondary. The District's 5-Year Capital Plan includes new space requests for both the elementary and secondary school.

In recent years, amendments to the South Newton NCP have resulted in a larger number of residential units and higher enrolment growth than was originally envisioned when the NCP was first adopted in 1999. The Surrey School District expresses its concern about development consistently occurring at densities higher than outlined in the NCP given the flow on implications to educational facility planning. Given the existing and projected enrolment pressures in South Newton, the school district does not support development occurring at a higher density than outlined in approved NCPs.

#### Sullivan Elementary



#### Sullivan Heights 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.

## MIKE FADUM AND ASSOCIATES LTD. VEGETATION CONSULTANTS

### **Tree Preservation Summary**

**Surrey Project No: 15-0210-00** 

Address: 15166 - 60 Avenue, Surrey, BC Registered Arborist: Monica Ardiel

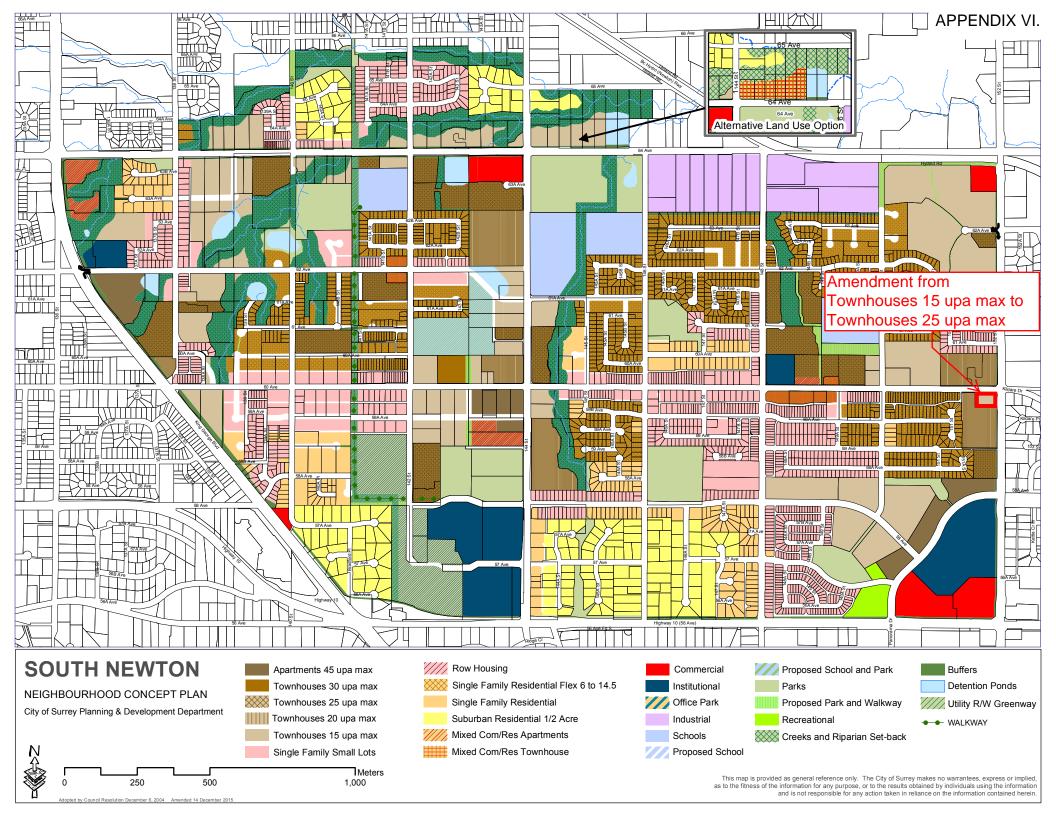
On-Site Trees	Number of Trees
Protected Trees Identified	
(on-site and shared trees, including trees within boulevards and proposed streets	31
and lanes, but excluding trees in proposed open space or riparian areas)	
Protected Trees to be Removed	24
Protected Trees to be Retained	7
(excluding trees within proposed open space or riparian areas)	1
Total Replacement Trees Required:	
- Alder & Cottonwood Trees Requiring 1 to 1 Replacement Ratio  0 X one (1) = 0	
- All other Trees Requiring 2 to 1 Replacement Ratio 24 X two (2) = 48	
Replacement Trees Proposed	48
Replacement Trees in Deficit	0
Protected Trees to be Retained in Proposed [Open Space / Riparian Areas]	NA

Off-Site Trees	Number of Trees
Protected Off-Site Trees to be Removed	0
Total Replacement Trees Required:  - Alder & Cottonwood Trees Requiring 1 to 1 Replacement Ratio  0 X one (1) = 0	0
- All other Trees Requiring 2 to 1 Replacement Ratio  0 X two (2) = 0	
Replacement Trees Proposed	0
Replacement Trees in Deficit	0

Summary report and plan prepared and submitted by: Mike Fadum and Associates Ltd.		
Signature of Arborist:	Date: June 25, 2015	







### **CITY OF SURREY**

(the "City")

### **DEVELOPMENT VARIANCE PERMIT**

NO.: 7915-0210-00

Issued To: Allan M Halme

("the Owner")

Address of Owner: 15166 - 60 Avenue

Surrey, BC V<sub>3</sub>S<sub>5</sub>X<sub>6</sub>

Issued To: Joan G Halme

("the Owner")

Address of Owner: 15166 - 60 Avenue

Surrey, BC V<sub>3</sub>S<sub>5</sub>X<sub>6</sub>

- 1. This development variance permit is issued subject to compliance by the Owner with all statutes, by-laws, orders, regulations or agreements, except as specifically varied by this development variance permit.
- 2. This development variance permit applies to that real property including land with or without improvements located within the City of Surrey, with the legal description and civic address as follows:

Parcel Identifier: 005-678-790 LT 2 SE SEC 10 T2 PL 58689

15166 - 60 Avenue

(the "Land")

3. (a) As the legal description of the Land is to change, the City Clerk is directed to insert the new legal description for the Land once title(s) has/have been issued, as follows:

Parcel Identifier:

(b)	If the civic address(es) change(s), the City Clerk is directed to insert the new civic
	address(es) for the Land, as follows:

4. Surrey Zoning By-law, 1993, No. 12000, as amended is varied as follows:

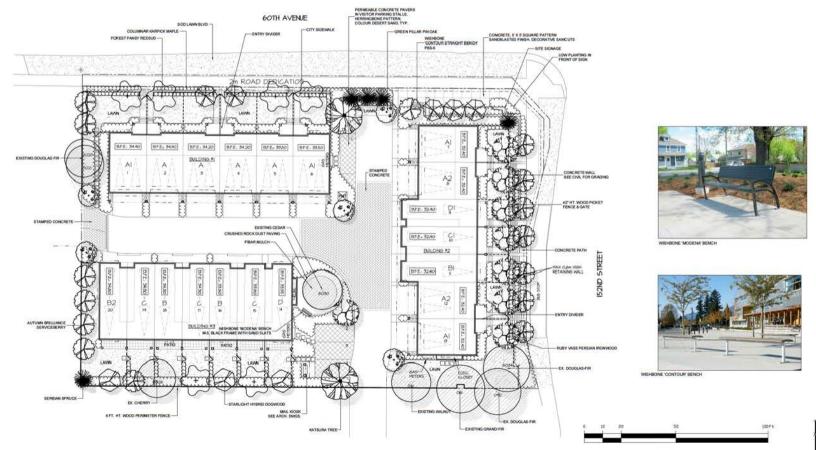
- (a) to reduce the minimum rear yard setback (west) of the RM-30 Zone from 7.5 metres (25 ft.) to 3.0 metres (10 ft.);
- (b) to reduce the minimum side yard setback (north) of the RM-30 Zone from 7.5 metres (25 ft.) to 6.1 metres (20 ft.);
- (c) to reduce the minimum side yard setback (south) of the RM-30 Zone from 7.5 metres (25 ft.) to 4.6 metres (15 ft.).
- (d) to allow for parking within the south setback of the RM-30 Zone, for visitor stalls #3 and #4.
- 5. This development variance permit applies to only the <u>portion of the Land</u> OR <u>that portion of the buildings and structures on the Land</u> shown on Schedule A which is attached hereto and forms part of this development variance permit. This development variance permit does not apply to additions to, or replacement of, any of the existing buildings shown on attached Schedule A, which is attached hereto and forms part of this development variance permit.
- 6. The Land shall be developed strictly in accordance with the terms and conditions and provisions of this development variance permit.
- 7. This development variance permit shall lapse if the Owner does not substantially start any construction with respect to which this development variance permit is issued, within two (2) years after the date this development variance permit is issued.
- 8. The terms of this development variance permit or any amendment to it, are binding on all persons who acquire an interest in the Land.

9.	This development variance permit is i	not a building permit.		
	ORIZING RESOLUTION PASSED BY T	THE COUNCIL, THE	DAY OF	, 20 .
ISSUEI	O THIS DAY OF , 20 .			
		Mayor – Lind	a Henner	
		Mayor Ema	и гтерпет	
		City Clerk – Ja	ane Sullivan	

LANT	SCHEDULE		PMG PROJECT NUMBER: 15-044
KEY QTY	BOTANICAL NAME	COMMON NAME	PLANTED SIZE / REMARKS
TREE			
-CA 15	AMELANCHIER x GRANDIFLORA 'AUTUMN BRILL	JANCIAUTUMN BRILLIANCE SERVICEBERRY	SCM CAL; 1.5M STD
C 2 2	CERCIDIPHYLLUM JAPONICUM	KATSURA TREE	6CM CAL, 1.8M STD, B&B
4. 6	CERCIS CANADENSIS FOREST PANSY	FOREST PANSY REDBUD	6CM CAL: 1.8M STD:BMB
2000 3	CORNUS KOUSA X NUTTALLII 'STARLIGHT'	STARLIGHT HYBRID DOGWOOD	5CM CAL, 1.5M STD
30A 8	PARROTIA PERSICA RUBY VASE	RUBY VASE PERSIAN IRONWOOD	SCM CAL, 1.5M STD.
March 1	PICEA OMORIKA	SERBIAN SPRUCE	SM HT: BAB
TRAS 5	QUERCUS PALUSTRIS 'GREEN PILLAR'	GREEN PILLAR PIN OAK	6CM CAL; 1.8M STD. B&B
5	STYRAX JAPONICUS	JAPANESE SNOWBELL	6CM CAL; 15M STD, B&B
SPREUB			
(n) 22	EUONYMUS ALATA 'COMPACTUS'	COMPACT WINGED BURNING BUSH	#3 POT: 50CM
(n) 12	HEBE PATTY'S PURPLE	PATTY'S PURPLE HEBE	#1 POT; 30CM
(4) 23	HYDRANGEA MACROPHYLLA 'AYESHA'	BIQLEAF HYDRANGEA; LILAC-LIKE FLOWERS	#2 POT, 50CM
(F) 24	HYDRANGEA PANICULATA FIRE & ICE	FIRE & ICE HYDRANGEA	#3 POT; 80CM
(ic) 80	ILEX CRENATA 'GREEN THUMB'	HOLLY: COMPACT	#3 POT; 50CM
(R) 6	PIERIS JAPONICA FOREST FLAME	PIERIS, WHITE BLOOMS	#2 POT; 30CM
(69) 19	RHODODENDRON 'ANAH KRUSCHKE'	RHODODENDRON; BLUE	#3 POT; 50CM
(e) 24	ROSA 'ALBA MEIDILAND'	ALBA MEIDILAND ROSE; WHITE	#2 POT: 40CM
⊚ 34	ROSA MEIDILAND 'RED'	MEDILAND ROSE, RED, 0.9M MATURE HT	#2 POT; 40CM
30260112335EE	SICIMMIA JAPONICA (10% MALE)	JAPANESE SKIMMIA	#3 POT: SOCM
(5) 49	SPIRAEA X BUMALDA 'UMEMOUND'	LIMEMOUND SPIREA	#2 POT, 40CM
(F) 190	TAXUS X MEDIA 'H.M. EDDIE'	EDDIE'S YEW	#7 POT. 1.0M
2000	VIBURNUM DAVIDII	DAVID'S VIBURNUM	#3 POT, SOCM
(n) 1	VIBURNUM P.T. 'SUMMER SNOWFLAKE'	SUMMER SNOWFLAKE VIBURNUM	#3 POT; 60CM
57	WEIGELA FLORIDA ELVERA	MIDNIGHT WINE WEIGELA	#2 POT, 40CM

PLA	NT S	CHEDULE		PMG PROJECT NUMBER: 15-064
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANTED SIZE / REMARKS
GRASS				
(8)	28	CALAMAGROSTIS ACUTIFLORA KARL FOERSTER	FEATHER REED GRASS	#1 POT
(C)	324	CAREX FLACCA	CARNATION GRASS	#1 POT
(E)	18	HAKONECHLOA MACRA 'AUREOLA'	GOLD VARIEGATED JAPANESE FOREST GRASS	#1 POT
(S)	70	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	#1 POT
9000	130	IMPERATA CYLINDRICA 'RED BARON'	BLOOD GRASS	#1 POT
6	52	MISCANTHUS SINENSIS YAKU JIMA'	YAKU JIMA JAP. SILVER GRASS	#1 POT
900	10	PANICUM VIRGATUM ROTSTRAHLBUSCH	RED SWITCH GRASS	#1 POT
(A)	23	PENNISETUM ORIENTALE	ORIENTAL FOUNTAIN GRASS	#1 POT
PEREN	NIAL :			
(2)	49	HEMEROCALLIS STELLA D'ORO	DWARF DAYLILY	#1 POT: 1-2 FAN
(a)	15	HOSTA UNDULATA	WAVY LEAF HOSTA	#1 POT: 1 EYE
8	21	RUDBECKIA FULGIDA VAR SULLIVANTII 'GOLDSTUF	BWRUDBECKIA: YELLOW	15CM POT
GC .				
60)	100	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	#1 POT: 25CM
8	124	VACCINIUM VITIS-IDAEA	LINGONBERRY	#1 POT: 25CM

NOTES: \* PLANT SIZES IN THIS LIST ARE SPECIFIED ACCORDING TO THE BIC LANDSCAPE STANDARD, LATEST EXITION. CONTAINER SIZES SPECIFIED AS PER CIAL STANDARDS. BOTH HAAM SIZE AND CONTAINER SIZES SPECIFIED AS PER CIAL STANDARDS. BOTH HAAM SIZE AND CONTAINER SIZES SPECIFIED AS PER CIAL STANDARDS. BOTH HAAM SIZE AND CONTAINER SIZES SPECIFIED AS SERVICE AND CONTAINER SIZES SPECIFIED AS SERVICE AS SERVIN



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RESIDENTIAL PROJECT

15166 - 60TH AVENUE SURREY

DRAWING TITLE:

LANDSCAPE TREE PLAN

DATE	15.JUN.15	DRAWING NUMBE
SCALE	1/16"=1"-0"	
DRAWN:	CLG	12
DESIGN	cus	
CHKD	MCY	QF

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15064-5.2P PMG PROJECT NUMBER