

# City of Surrey PLANNING & DEVELOPMENT REPORT File: 7916-0106-00

Planning Report Date: September 12, 2016

#### PROPOSAL:

- TCP Amendment from Residential/Commercial and Parks/Open Space to Townhouses and modifications to the road network
- Development Permit
- Development Variance Permit

to permit the development of 114 townhouse units.

**LOCATION:** 17555 and 17568 - 57A - Avenue

**OWNER:** City of Surrey

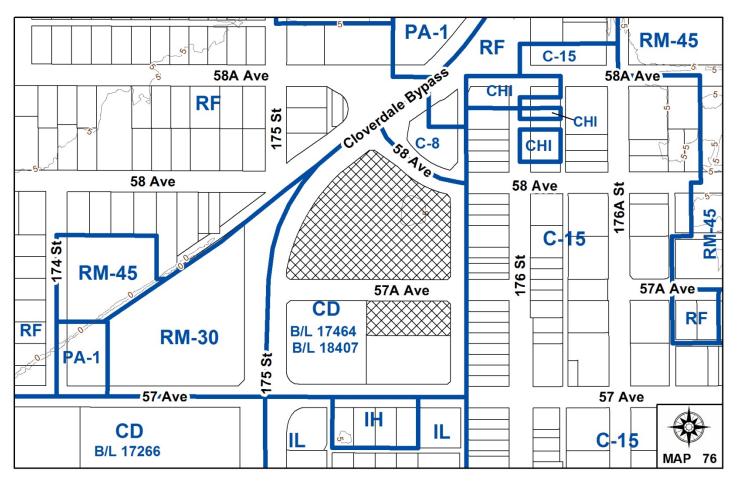
**ZONING:** CD By-law No. 17464, as amended

by By-law No. 18407

**OCP DESIGNATION:** Town Centre

TCP DESIGNATION: Residential/Commercial and

Parks/Open Space



#### **RECOMMENDATION SUMMARY**

- 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

- The proposal requires an amendment to the Cloverdale Town Centre Plan from Residential/Commercial and Parks/Open Space to Townhouses and a modification to the road network.
- The applicant is requesting to reduce the north yard building setback for Building No. 11.
- CD By-law No. 17464, as amended by By-law No. 18407 requires all residential parking to be provided as underground parking or within the building envelope. The applicant is proposing a variance to allow fifty-five (57) units each with one interior and one exterior tandem parking space.
- The applicant is also seeking a reduction in the number of parking spaces required for eight (8) loft type townhouse units from 16 parking spaces to 8 parking spaces, based on one parking space for each unit.
- A variance is proposed to ensure that the development cost charges rate applicable to this
  proposed development will be based on the RM-30 Zone rather than the RM-70 Zone to
  accurately reflect the proposed townhouse form of development.

#### **RATIONALE OF RECOMMENDATION**

- Complies with the "Town Centre" OCP Designation.
- The existing CD Zone allows for a higher density, mixed-use development wherein the General Development Permit (Master Plan under Application No. 7910-0101-00) envisioned up to 5- to 6-storey apartment building forms with ground floor commercial. However, the applicant's geotechnical consultant has advised that soil conditions which are predominantly clay, prevent the economical construction of an underground parking facility to facilitate a higher density development.
- In an effort to provide a Town Centre appropriate density, the applicant is proposing a higher density urban townhouse form that includes back-to-back units and loft units. The proposed street-oriented townhouses and building form are appropriate for this part of Cloverdale Town Centre.
- This proposal should play a vital role in helping to encourage further redevelopment and stimulate business in the Cloverdale Town Centre area.

#### RECOMMENDATION

The Planning & Development Department recommends that:

- 1. Council approve the applicant's request to eliminate the required indoor amenity space.
- 2. Council authorize staff to draft Development Permit No. 7916-0106-00 generally in accordance with the attached drawings (Appendix II).
- 3. Council approve Development Variance Permit No. 7916-0106-00 (Appendix VII) varying the following, to proceed to Public Notification:
  - to reduce the minimum north yard setback of CD By-law No. 17464, as amended by By-law No. 18407, from 3.0 metres (10 ft.) to 2.2 metres (7 ft.);
  - (b) to vary the Zoning By-law to reduce the minimum number of required off-street parking spaces for loft-style dwelling units that are less than 84 square metres (900 sq. ft.) in area and have one bedroom or less from the required two (2) parking spaces per dwelling unit to one (1) parking space per dwelling unit for a maximum of eight (8) dwelling units;
  - (c) to vary the Off-Street Parking requirements of CD By-law No. 17464, as amended by By-law No. 18407 to permit one outside resident tandem parking space per dwelling unit for a maximum of fifty-seven (57) dwelling units; and
  - (d) to vary the development cost charges rate applicable to this development, as referenced in the CD By-law No. 17464, as amended by By-law No. 18407, from the RM-70 Zone to the RM-30 Zone to reflect the proposed townhouse form of development.
- 4. Council instruct staff to resolve the following issues prior to approval:
  - (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) submission of a finalized landscaping plan and landscaping cost estimate to the specifications and satisfaction of the Planning and Development Department;
  - (e) resolution of all urban design issues to the satisfaction of the Planning and Development Department;
  - (f) submission of an acoustical report for the units adjacent to Highway No. 15 (Cloverdale By-pass) and registration of a Section 219 Restrictive Covenant to ensure implementation of noise mitigation measures;

- (g) 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; and
- (h) the applicant adequately address the impact of no indoor amenity space.
- 5. Council pass a resolution to amend the Cloverdale Town Centre Plan to redesignate the land from Residential/Commercial and Parks/Open Space to Townhouses and a modification to the road network 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:** 

23 Elementary students at Martha Currie School 11 Secondary students at Lord Tweedsmuir School

(Appendix IV)

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

2017.

Parks, Recreation & Culture:

The Hook Greenway is located along the 58 Avenue frontage. Parks requests that the existing sidewalk be upgraded to a multiuse pathway (MUP). Hawthorne Square is located east of the subject site. Site design should reflect the location of the square and provide small corner plazas with complementary landscaping at the corners of 57A Avenue, across from the Hawthorne Square.

#### **SITE CHARACTERISTICS**

Existing Land Use: Vacant lot (formerly the Cloverdale Mall site) with three (3) Giant Sequoia

trees.

#### Adjacent Area:

Direction	Existing Use	TCP Designation	Existing Zone
North (Across Highway No. 15 & Across 58 Avenue):	Vacant lot under Application No. 7915-0410-00 to rezone to permit the development of a single-storey multi-tenant commercial building (First & Second Reading).	Medium Density Residential and Retail/Service Commercial	C-8 and R-F
East (Across lane):	Application No. 7915-0146-00 to permit the development of a single-storey multi-tenant commercial building (Third Reading), one storey commercial buildings and two-storey commercial buildings with ground floor retail with residential above.	Town Centre Commercial	Town Centre Commercial
South of 17555 - 57A Avenue (Across 57A Avenue):	Vacant lot approved for a 4-storey mixed-use building under Application No. 7914-0260-00 (at Building Permit review).	Residential/Commercial	CD By-law No. 17464, as amended by By-law No. 18407
South of 17568 - 57A Avenue:	Existing one-storey building (Canadian Legion Branch No. 6) under Application No. 7916-0219-00 to allow a reconfigured parking lot and reduction in parking (Approval to Proceed).	Residential/Commercial	CD By-law No. 17464, as amended by By-law No. 18407
West (Across Highway No. 15):	Single family dwellings and existing townhouse development.	Urban Single Family Residential, Medium Density Residential and Townhouses	RF and RM- 30

#### **DEVELOPMENT CONSIDERATIONS**

#### **Background**

• The 4.1-acre (16,424-square metre) subject site includes two properties located at 17555 and 17568 - 57A Avenue in the Cloverdale Town Centre. The site is designated Town Centre in the Official Community Plan (OCP) and Residential/Commercial and Parks/Open Space in the Cloverdale Town Centre Plan and is zoned "Comprehensive Development Zone (CD)" (By-law No. 17464, as amended by By-law No. 18407).

• On April 8, 2013, Council approved the rezoning of the subject site, along with 5738 - 175 Street and the Cloverdale Legion site at 17567- 57 Avenue, from "Comprehensive Development Zone (CD)" (Bylaw No. 16808) and "Town Centre Commercial Zone (C-15)" to "Comprehensive Development Zone (CD)" (By-law No. 17464) as part of Application No. 7910-0101-00.

- A General Development Permit (Master Plan) (No. 7910-0101-00) to guide the future redevelopment of the expanded site which consisted of the former Cloverdale Mall site and the current Cloverdale Legion, as well as a separate detailed Development Permit No. 7910-0101-01 for the first phase of the project at 5738 175 Street, were approved in conjunction with the rezoning.
- A subdivision was also approved as part of Application No. 7910-01010-00. The parent site was subdivided into 4 lots and a new road network was provided as a mix of public and private roads. 57A Avenue, a new east-west road, was dedicated and constructed through the central portion of the site. The new 57A Avenue provides increased connectivity (both pedestrian and vehicular) within the Cloverdale Town Centre.
- Development Permit No. 7910-0101-01, to permit the first phase of the project, was to facilitate the development of a 5-storey mixed-use building (4 storeys of residential) that included 102 apartment units, with a new Legion and commercial retail units on the ground floor on the property at 5738 175 Street, which is Block A of CD By-law No. 17464.
- This proposal was approved but did not proceed to construction. A subsequent proposal, Application No. 7914-0260-00, to permit the development of a 4-storey mixed-use building consisting of 86 dwelling units and ground floor commercial space which did not include the relocation of the existing Legion Hall was submitted. On February 22, 2016, Council approved CD By-law Amendment No. 18407 and issued Development Permit No. 7914-0240-00, to accommodate this new proposal. The Building Permit has been submitted and is currently under review.

#### **Current Proposal**

- The applicant is requesting a Development Permit to allow the development of one hundred and fourteen (114) three-storey townhouse units in sixteen (16) buildings on a consolidated site with a proposed unit density of 29 upa (72 upha) and floor area ratio (FAR) of 0.74.
- The proposed density of 29 upa (72 upha) and FAR of 0.74 conform to the maximum 2.0 FAR of the CD Zone. The CD Zone does not specify a maximum unit density.
- The two lots will be consolidated into one and hooked over 57A Avenue.
- In addition, a Development Variance Permit is requested. The applicant is proposing variances to reduce the minimum 3.0-metre (10-ft.) north yard building setback to 2.2 metres (7 ft.) for Building No. 11, to allow fifty-seven (57) units (50% of 114) each with one interior and one exterior tandem parking space, and to reduce the number of parking spaces required for eight (8) loft style townhouse units from 16 parking spaces to 8 parking spaces, based on one parking space for each (see By-law Variances section).

#### PRE-NOTIFICATION

According to Council policy, a Development Proposal Sign was installed on the site to inform
the public about the proposed development. Staff did not receive any comments on this
proposal.

• The applicant contacted the Coverdale Community Association, Cloverdale Business Improvement Association (BIA), Cloverdale Chamber of Commerce and the Royal Canadian Legion Branch 6 directly. No concerns were raised.

#### **JUSTIFICATION FOR PLAN AMENDMENT**

- The 4.1-acre (1.6 hectare) site is designated "Residential/Commercial" and "Parks and Open Space" in the Cloverdale Town Centre Land Use Plan (TCP). The applicant is seeking a TCP amendment to redesignate the subject site from "Residential/Commercial" and "Parks and Open Space" to "Townhouses" and modifications to the road network.
- The existing designation allows for a higher density, mixed-use development wherein the General Development Permit (Master Plan under Application No. 7910-0101-00) envisioned 5-to 6-storey apartment building forms with ground floor commercial. However, there are environmental challenges in constructing an underground parking facility ont his site, and it was recommended by the applicant's environmental consultant that a slab-on-grade would avoid the disturbance of the groundwater.
- Furthermore, the applicant's geotechnical consultant advised that the subsurface soil conditions are predominantly clay. The construction methods to provide an underground parking structure in these soil conditions is costly which would increase the selling price of the homes. The applicant's strategy is to provide affordable, ground-oriented homes for first-time buyers, which would not be achievable with the costs associated with constructing an underground parking structure.
- The applicant consulted with retail consultants and national tenants to assess the viability of the commercial component of the previous development proposal. The consultants suggested that this area was over-retailed by national tenants already located in surrounding commercial nodes. This left opportunities for the placement of smaller, local retailers; however these smaller independent stores would be in direct competition with the existing businesses in the Cloverdale Town Centre.
- The proposed TCP amendment will accommodate the proposed townhouse form of development and is consistent with the City's objective of achieving an urban, pedestrianoriented form of development in the Cloverdale Town Centre.

• The elimination of the commercial component on this site will support existing commercial within the core of the Town Centre along 176 and 176A Streets.

- The Parks and Open Space designation in the TCP was to accommodate a central green space on private land with an access easement for public access. The "Central Green" was intended to form a small open space hub flanked by mixed-use apartments on all sides. The "Central Green" provided open space relief given the densities proposed and was intended to function synergistically within the proposed ground floor retail. Given the change of the use and reduce density proposed, the Central Green concept is no longer necessary. The townhouse proposal will have its own private outdoor amenity space.
- Staff support the proposed amendment to the Cloverdale Town Centre Land Use Plan (TCP).

#### DESIGN PROPOSAL AND REVIEW

#### **Building Design, Access and Circulation**

- The applicant proposes to construct a 114-unit, 3-storey townhouse development.
- The townhouse units range in size from 81 square metres (877 sq. ft.) to 121 square metres (1,299 sq. fsft.) and are comprised of eight (8) loft units, thirteen (13) one-bedroom and den units and ninety-three (93) two-bedroom units.
- The proposal includes forty-nine (49) units (43%) with fully enclosed side-by-side double garages, fifty-seven (57) units (50%) with tandem parking each with one interior and one exterior tandem parking space which complies with the recent amendments to the Zoning By-law with respect to the maximum of 50% tandem parking allowed.
- The remaining eight (8) units are loft units (7%) with one enclosed parking space proposed (see By-law Variance section). A full-size parking space could be accommodated on the driveway apron in front of each loft unit.
- Forty-nine (49) of the townhouse units will contain an attached garage and either a flex-room and powder room or just a powder room located at grade. The kitchen, dining, family and living rooms of each of these units are located on the second floor, with bedrooms on the third floor.
- Sixty-five (65) of the townhouse units will contain an attached single or double car garage located at grade. The kitchen, dining, family and living rooms of each of these units are located on the second floor, with bedrooms on the third floor.
- The townhouses incorporate peaked roofs and oversized windows into the design, and the
  proposed major exterior finishes on the townhouses consist of horizontal vinyl and fibrecement siding, in blue, grey and white. Fibre-cement panels are proposed around doors and
  windows in contrasting colouring. Front entry doors in dark grey also provide contrast and
  differentiation of the units at the street level.

• Each unit within street-fronting buildings (Buildings 1, 3-6, 11 and 15-16) located on the periphery of the site, will have a small private ground level front yard space that provides for individual outdoor use opportunities.

- To achieve a higher density development, the applicant is proposing buildings with back to back units. The buildings with back to back units are internal rather than street-fronting and each unit within an internal building (Buildings 2, 7-10 and 12-14), are loft-style and will have a deck off the second floor that provides for individual outdoor use.
- Building 1, 3-6, 11 and 15-16 consist of forty-two (42) street-oriented units with direct street access from the front yard.
- Two vehicular access points are proposed to the northern portion of the site, (17555 57A Avenue), one from 57A Avenue and one from the north-south lane along the eastern property line.
- Two vehicular access points are proposed to the southern portion of the site, (17568 57A Avenue), both from 57A Avenue.
- Three separate pedestrian entrances are proposed, one from 57A Avenue, one from the lane and one from 58 Avenue providing a connection to the internal drive-aisle.

#### **Parking**

- The proposed development includes a total of 243 parking spaces for the 114 townhouse units, consisting of 220 resident parking spaces and 23 spaces for visitors, which is eight (8) stalls fewer than required under the Surrey Zoning By-law. The proposed loft style units include one parking space per unit.
- A variance is required for the reduction in the number of parking spaces required for the eight (8) loft style townhouse units from 16 parking spaces to 8 parking spaces, based on one parking space for each (see By-law Variances section).
- Visitor parking spaces are located throughout the site on both the northern and southern portions of the site.
- Resident parking spaces will be provided in a fully enclosed side-by-side double car garage for 43% of units, a tandem configuration with one interior and one exterior tandem parking space for 50% of the units or a single car garage for the loft style units (7%).

#### **Indoor Amenity Space**

• No indoor amenity space is proposed for this townhouse development. Given the number of units proposed (114) staff requested than an indoor amenity building be provided on site. The applicant does not wish to construct an amenity building and has suggested to staff that there is a better alternative to providing a separate indoor amenity building that is more beneficial to the people living in the development as well as the larger community.

The applicant has indicated their target market is first time homebuyers that are often price
sensitive. Instead of higher maintenance costs to maintain a separate amenity building that is
seldom used, they want to promote the community and support local businesses by holding
gatherings in existing community establishments such as the Cloverdale Recreation Centre
and the Cloverdale Legion.

• CD By-law No. 17464 as amended by By-law No. 18407 requires that 342 square metres (3,681 sq. ft.) of indoor amenity space be provided (3.0 sq. m. /32 sq. ft. per dwelling unit). The applicant has agreed to provide a monetary contribution of \$136,800 (based on \$1,200 per unit) in accordance with the City policy, to address the shortfall in the required indoor amenity space.

#### Landscaping and Outdoor Amenity Space

- Each street-oriented townhouse unit includes a front stoop with a small front yard. The streetscape elevation includes a 0.9-metre (3.0-ft.) high rail wood fence and layered planting consisting of a variety of grasses and shrubs. Each private entrance also includes a Yellow Bird tree.
- A landscape buffer consisting of Columnar Swedish Aspen and Japanese Stewartia trees and a
  variety of shrubs and grasses is proposed along the west property line adjacent to the multiuse
  pathway and Highway No. 15 to provide a visual and acoustical screen for future homeowners.
- Two separate outdoor amenity areas are provided, one in a central location on the site, and one adjacent the corner of Highway No. 15 and 58 Avenue in the north corner of the development site.
- One outdoor amenity area, located in the central portion of the site, includes planting consisting of Weeping Nootka Cypress and Japanese Stewartia trees, shrubs and ground cover in addition to a grassed area and berms and log beams for balancing and children's play. Landscape feature walls and two concrete benches are proposed for seating.
- A second outdoor amenity area, located at the northern-most corner of the subject site, includes only passive space with planting of trees, grasses and shrubs and the retention of three (3) Giant Sequoia trees.
- The proposed outdoor amenity space totals 747 square metres (8,036 sq. ft.), exceeding the minimum 342 square metres (3,681 sq. ft.) required under the CD Zone based on 3 square metres (32 sq. ft.) per dwelling unit.

#### Cloverdale Sign

- The applicant is proposing to work with staff as well as the Cloverdale Business Improvement Association (BIA) to provide a Cloverdale sign. The sign will be an entrance feature to the Cloverdale Town Centre.
- The sign is proposed to be located at the corner or Highway No. 15 and 58 Avenue on the north corner of the subject site.

• Specific details related to the sign will be determined through staff and BIA review and will be confirmed prior to the final approval of the proposed development.

#### **TREES**

Nick McMahon, ISA Certified Arborist of Arbortech Consulting prepared an Arborist
Assessment for the subject property. The following table provides a summary of the tree
retention and removal by tree species:

Table 1: Summary of Tree Preservation by Tree Species:

Tree Species	Existing		Remove	Retain	
	Conifero	ous Tree	s		
Giant Sequoia	3	3	О	3	
Total	3		o	3	
Total Replacement Trees Proper (excluding Boulevard Street Trees		199			
Total Retained and Replacement Trees			202		

- The Arborist Assessment states that there are a total of three (3) mature trees on the site. It was determined that all three trees (Giant Sequoia) can be retained, within the outdoor amenity area 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.
- The new trees to be planted on the site will consist of a variety of trees including Sentinel Red Maple, Japanese Maple, White Flowering Dogwood, Swedish Aspen and Green Pillar Pin Oak.
- In summary, a total of 202 trees are proposed to be retained or replaced on the site.

#### SUSTAINABLE DEVELOPMENT CHECKLIST

The applicant prepared and submitted a sustainable development checklist for the subject site on May 14, 2016. 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	Sustainable Development Features Summary
Criteria	
1. Site Context &	Within the Cloverdale Town Centre.
Location	
(A1-A2)	
2. Density & Diversity	• The proposed density is 0.74 FAR ad 29 upa and consists of
(B1-B7)	townhouses of varying unit sizes, and provides private outdoor space.
3. Ecology &	Retention of 3 mature trees and addition of a variety of new
Stewardship	landscaping and 199 new trees.
(C <sub>1</sub> -C <sub>4</sub> )	A recycling and organic waste program will be incorporated into the
	development.
4. Sustainable	• The development provides for, and connects to multi-use pathways.
Transport &	
Mobility	
(D <sub>1</sub> -D <sub>2</sub> )	
5. Accessibility &	The building design incorporates large street-facing windows and
Safety	unobstructed spaces for clear line of vision and eyes on the street.
(E1-E3)	• Planting design at the street will be restricted to the 7 and 3 rule (i.e.
	limb trees up to 7 ft. and prune shrubs up to 3 ft.) to provide clear
	sightlines and limiting hiding spots.
6. Green Certification	• N/A
(F <sub>1</sub> )	
7. Education &	The typical notifications has occurred (i.e. development proposal
Awareness	sign).
(G1-G4)	The applicant consulted directly with the Cloverdale Community
	Association and the Cloverdale Chamber of Commerce/BIA.

#### BY-LAW VARIANCES AND JUSTIFICATION

#### (a) Requested Variance:

• To reduce the minimum north yard setback of CD By-law No. 17464, as amended by By-law No. 18407 for Building 11 from 3.0 metres (10 ft.) to 2.2 metres (7 ft.).

#### Applicant's Reasons:

• In order to maintain a full size 6-metre (20-ft.) tandem parking space in the driveway apron for three units in this building, the building cannot be shifted any further south.

#### **Staff Comments:**

- The applicant has shifted Building 11 an additional 0.96 metre (3 ft.) further south in order to increase the setback from 58 Avenue to 2.2 metres (7 ft.) as proposed.
- The proposed 2.2-metre (7-ft.) north (side yard) setback only applies to Building 11 in a side yard configuration. All other units fronting 58 Avenue will have a minimum setback of 3.4 metres (11 ft.).

• A low fence with layered planting in front and benches to accommodate an expanded public realm along this interface are proposed to address this side yard interface.

• Staff support the variance as proposed.

#### (b) Requested Variance:

• To vary the Zoning By-law to reduce the minimum number of required off-street parking spaces for dwelling units that are less than 84 square metres (900 sq.ft.) in area and have one bedroom or less, from the required 2 parking spaces per dwelling unit to 1 parking space per dwelling unit, for a maximum of eight (8) dwelling units.

#### Applicant's Reasons:

- The applicant has proposed 8 loft-style units (7%) to increase affordability and introduce a high density townhome that could be built within or near Town Centres.
- Aside from the bedroom and washroom, the loft-style units have no other walled off space on the third floor and therefore have no functional room such as a den that could conceivably be converted into a bedroom.
- The anticipated buyer profile for these units are first-time-homebuyers, either singles or young couples, who are price sensitive and likely single-vehicle households.

#### **Staff Comments:**

- The applicant has designed the proposed loft unit to include a single car garage as well as a full-size driveway apron that could accommodate a second vehicle or a visitor.
- The proposed loft unit provides an additional housing option in the Town Centre.
- Staff support the variance as proposed.

#### (c) Requested Variance:

• To vary the Off-Street Parking requirements of CD By-law No. 17464, as amended by By-law No. 18407 to permit fifty-seven (57) units (50%) with tandem parking each with one interior and one exterior tandem parking space.

#### Applicant's Reasons:

- The existing CD Zone was intended to accommodate a higher density apartment building form with an underground parking facility.
- The proposed townhouse development includes fifty-seven (57) tandem units with one tandem parking space outside of the building envelope on the driveway.
- All parking proposed outside the building envelope is proposed to be well screened from the public realm with landscaping.

#### Staff Comments:

- Thirty-four (34) of the fifty-seven (57) tandem units with one exterior parking space behind the garage allows for a ground-level room that provides better interaction with the street.
- The remaining twenty-three (23) tandem units are interior non-street-facing units in a back to back configuration that allows for a higher density urban townhouse form.
- Staff support the variance as proposed.

#### (d) Requested Variance:

• To vary the development cost charges rate applicable to this development as referenced in CD By-law No. 17464 as amended by By-law No. 18407, from the RM-70 Zone to the RM-30 Zone to reflect the proposed townhouse form of development.

#### Applicant's Reasons:

• The existing CD Zone was intended to accommodate a higher density apartment building form with an underground parking facility.

#### **Staff Comments:**

- The development cost charges rate for RM-30 reflects the proposed townhouse form of development.
- Staff support the variance as proposed.

#### **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.	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 V. Summary of Tree Survey and Tree Preservation Appendix VI. Proposed Town Centre Plan Amendment Map Development Variance Permit No. 7916-0106-00

original signed by Judith Robertson

Jean Lamontagne General Manager Planning and Development

#### Information for City Clerk

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

1. (a) Agent: Name: Stephanie Bird

Mosaic Avenue Development Ltd.

Address: 2609 Granville Street, Suite 500

Vancouver, BC V6H 3H3

Tel: 604-685-3888

2. Properties involved in the Application

(a) Civic Addresses: 17568 - 57A Avenue

17555 -57A Avenue

(b) Civic Address: 17568 - 57A Avenue

Owner: Ken Woodward, City Of Surrey

PID: 029-295-009

Lot 3 Section 7 Township 8 Plan Epp24658 New Westminster District

(c) Civic Address: 17555 - 57A Avenue

Owner: Ken Woodward, City Of Surrey

PID: 029-295-017

Lot 4 Section 7 Township 8 Plan Epp24658 New Westminster District

- 3. Summary of Actions for City Clerk's Office
  - (a) Proceed with Public Notification for Development Variance Permit No. 7916-0106-00 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 approval of the associated Development Permit No. 7916-0106-00.

#### **DEVELOPMENT DATA SHEET**

Existing Zoning: CD By-law No. 17464, as amended by By-law No. 18407

Required Development Data	Minimum Required / Maximum Allowed	Proposed
LOT AREA* (in square metres)		
Gross Total		16,424 m²
Road Widening area		594 m²
Undevelopable area		
Net Total		15,830 m²
LOT COVERAGE (in % of net lot area)		
Buildings & Structures	80%	36%
Paved & Hard Surfaced Areas		
Total Site Coverage		
SETBACKS ( in metres)		
Front (north)	3.0 m	2.2 m**
Rear (south)	3.0 m	3.9 m
Sides (east and west)	3.0 m	3.0 m
BUILDING HEIGHT (in metres)		
Principal Principal	28 m	10.25 m
*		10.25 m n/a
Accessory	4.5 m	11/ d
NUMBER OF RESIDENTIAL UNITS		
Loft		8
One Bed		13
Two Bedroom		93
Three Bedroom +		0
Total		114
FLOOR AREA: Residential		11,641 m²
ELOOD ADEA C		
FLOOR AREA: Commercial Retail		
Office		
Total		/-
Total		n/a
FLOOR AREA: Industrial		n/a
FLOOR AREA: Institutional		n/a
	31,659 m²	11,641 m²

### Development Data Sheet cont'd

Required Development Data	Minimum Required / Maximum Allowed	Proposed
DENSITY		
# of units/ha /# units/acre (gross)		69 upha / 28 upa
# of units/ha /# units/acre (net)		72 upha / 29 upa
FAR (gross)		0.71
FAR (net)	2.0	0.74
AMENITY SPACE (area in square metres)		
Indoor	342 m²	0
Outdoor	342 m²	747 m²
PARKING (number of stalls)		
Commercial		
Industrial		
Residential 1 Bedroom	26	26
2-Bed	186	186
3-Bed	16	8**
Residential Visitors	23	23
Institutional		
Total Number of Parking Spaces	251	243**
Number of disabled stalls	n/a	n/a
Number of small cars	0	0
Tandem Parking Spaces: Number / % of Total Number of Units	50%	50%
Size of Tandem Parking Spaces width/length	3.2 m / 6 m	3.2 / 6 m

<sup>\*\*</sup> Variances requested

Heritage Site	NO	Tree Survey/Assessment Provided	YES

## **CLOVERDALE TOWNHOMES**

17555 & 17568 57A AVENUE, SURREY, B.C.



**CHARACTER SKETCH** 

		CONTACT		FAX	EMAL
DEVELOPER	MOSAIC HOMES	Stephanie Bird	(778) 877-2885	(604) 685-3869	Draftanie Sträffinourchopes.com
	500-2009 Granylle St.			A STATE OF THE PARTY OF THE PAR	
	Vancouver BC V6H 3H3				
ARCHITECT	EKISTICS ARCHITECTURE INC.	MARK BLACKWOOD	(604) 676-5650	(604) 676-5060	Mark ecodolis idultion (g.
	1925 MAN STREET			407.50.0.0.00	The state of the s
	VANCOUVER, BC, V5T 3C1				
LANDSCAPE ARCHITECT	DURANTE KREUK LTD.	ALEXA GONZALEZ	(604) 684-4611	(604) 684-0577	allows/Middle for use
Entractive Michigan	102-1637 WEST 5TH AVE	MERINA GOILDILLE	100170011011	00073 004 0077	PERSONAL PROPERTY.
	VANCOUVER BC VIU INS				
CIVIL ENGINEER	Core Group Civil Consultants Ltd.	SCOTT ROBBINS	(904) 299,0005	(604) 200-0620	Station Benegity considers on
CIVIL ENGINEER	#320 - 8968 FRASERTON COURT	SCOTT ROBBINS	1004) 230 0000	10041230-0023	STATE OF THE PARTY AND THE PARTY AND
	BURNABY BC VSJ 5HB				
ARRORIST	ARBORTECH CONSULTING	NICK McMAHON		THE PART OF THE PART	nick@adgrave.ca
ARBORGI	145 - 12051 HORSESHOE WAY	NICK MEMAHON	(004) 275-3484	(004) 275-9004	THE WINDSHEET
				0.000 1100 1000	
	RICHMOND, BC V7A 4V4				Control of the Contro
STRUCTURAL ENGINEER	Thomas Leung Structural Engineering Inc.	Thomas Leung	(804) 873-1768		Use@bolo.com
	121 West 6th Avenue	Chris Lee	Name of Particular		shrishooffste.ce
	Vancouver, BC V5Y 1K3		The same of		
ELECTRICAL ENGINEER	Gager Electrical Consultants Ltd.	Marc Gager	(778) 277-2225		mats and a grammatical state.
MECHANICAL ENGINEER	Rocky Point Engineering	Richard Corra	(604) 888-7779		rishestama@gene.ca
	#208 20171 92A Aversus				
	Langley, BC V1M, 3A5				
INTERIOR DESIGNER	PROTICO	Natala Kwasnisi	(004) 424 4251		nkwarish@ports.odenign.com
ar rainton ou anomen	300 - 1508 West 2nd Ave	THE COLUMN TWO IS NOT	(604) 275 5470		
	Vancouer BC V6J 1H2		June 17 El STATE		
GEOTECHNICAL ENGINEER	Davies Geotechnical Inc.	Paul Davies	(604) 395-2300		paritheries (Adam's spendowning) upon
GEO IECHNICAC ENGINEEN	Davies Geologians, a sec.	Pagi Davies	(004) 387-2300		Security Section 2015
SURVEYOR	OLSEN & ASSOCIATES	Peter Jowett	604-531-4067	604-531-5811	Andrew Comment
DUNVETUR	204 - 15585 24th Avenue	Least 20wait	604-031-4001	004-001-0011	intellermentoria.
	Surrey BC, V4A 234				
BUILDING ENVELOPE		Aeron Maclellan			
BUILDING ENVELOPE	Aque Coast	Aaron Maclellan Justen Allan	(504) 946-9910		emaile lier@reye count sp.
		Justen Allan			Instandense postus
CERTIFIED PROFESSIONAL	CFT Engineering Inc.	Samir Eldnani	(604) 684-2384		pediati@directorcing.com
THE REAL PROPERTY.	A STATE OF THE STA	Batya Wan	100,000,000,000		Www.distringing.com
					THE PERSON NAMED IN COLUMN TWO
ACQUISTIC ENGINEER	BKL	Douglas Kennedy	(604) 988-2508		Kennedy@Niliae
PROPERTY AND ADDRESS OF THE PARTY OF THE PAR	#308 1200 Lynn Valley Road.	Eric Gu	(0001) 1000 2000		DODDINGSTAN
	North Vancouser BC: V7./2A2	81% OF			DIESULA .
	present various and, which will also				

A0.00	COVER PAGE	N/A
A0.01	SITE CONTEXT AND SITE PHOTOS	AS SHOWN
A1.01	SITE PLAN - OVERALL	1"=40"-0"
A1.01A	SITE PLAN - LOT 4	1"=20"-0"
A1.018	SITE PLAN - LOT 3	1°=20'-0"
A1.01C	STATISTICS & SITE AREA DIAGRAM	1"=60"-0"
A1.02A	EMERGENCY SERVICES PLAN (LOT 4)	1"=20'-0"
A1.02B	EMERGENCY SERVICES PLAN (LOT 3)	1"=20"-0"
A1.03A	SITE SECTION A (LOT 4)	1/8°=1'-0"
A1.038	SITE SECTION B (LOT 3)	1/8"=1"-0"
A2.04	STREETSCAPES	1/16"=1'-0"
ALOIA	STREETSCAPES	1/16"=1"-0"
	PLANS	
A2.01	FLOOR PLAN & ROOF PLAN - BUILDING #1	1/8"=1"-0"
A2.02	FLOOR PLAN & ROOF PLAN - BIRLDING #2	1/8"×1'-0"
A2.03	FLOOR PLAN & ROOF PLAN - BUILDING #3	1/8"~1"-0"
A2.04	FLOOR PLAN & ROOF PLAN - BUILDING MA	1/8"=1'-0"
A2.05	FLOOR PLAN & ROOF PLAN - BUILDING #5	1/8"+1'-0"
N2.06	FLOOR PLAN & ROOF PLAN - BUILDING ME	1/8"=1'-0"
A2.07	FLOOR PLAN & ROOF PLAN - BUILDING #7	1/8"=1'-0"
42.08	FLOOR PLAN & ROOF PLAN - BUILDING #8	1/8"×1'-0"
AZ.09	FLOOR PLAN & ROOF PLAN - BUILDING #9	1/8"=1'-0"
A2.10	FLOOR PLAN & ROOF PLAN - BUILDING #10	1/8"=1'-0"
A2.11	FLOOR PLAN - BLDG #11 FINAL CONDITION	1/4"=1'-0"
A2.11A	FLOOR & ROOF PLAN - BLDG #11 FINAL	1/4"=11-0"
42.118	FLOOR PLAN - BLDG WILLDISPLAY CONDITION	1/4"=1"-0"
A2.11C	FLOOR PLAN - BLDG #11 DISPLAY CONDITION	1/4"=1'-0"
A2.12	FLOOR PLAN & ROOF PLAN - BUILDING #12	1/B"=1'-0"
A2.13	FLOOR PLAN & ROOF PLAN - BUILDING #13	1/8"=1'-0"
A2.14	FLOOR PLAN & ROOF PLAN - BUILDING #14	1/8"=1"-0"
A2.15	FLOOR PLAN & ROOF PLAN - BUILDING #15	1/8"=1'-0"
AZ.16	FLOOR PLAN & ROOF PLAN - BUILDING #16	1/8"×1'-0"
	ELEVATIONS	
43.01	ELEVATIONS - BUILDING #1	1/8"=1'-0"
A3.02	ELEVATIONS - BUILDING #2	1/8"=1'-0"
A3.03	ELEVATIONS - BUILDING #3	1/8"=1'-0"
A3.04	ELEVATIONS - BUILDING #4	1/8"=1"-0"
A3.05	ELEVATIONS - BUILDING #5	1/8"=1'-0"
A3.06	ELEVATIONS - BUILDING #6	1/8"=1'-0"
A3.07	ELEVATIONS - BUILDING #7	1/8"=1'-0"
A3.08	ELEVATIONS - BUILDING 88	1/8"=1'-0"
N3.09	ELEVATIONS - BUILDING #9	1/8,=1.0,
A3.10	ELEVATIONS - BUILDING #10	1/8"=1'-0"
11.EA	ELEVATIONS - BLDG #11 - FINAL CONDITION	1/8"=1'-0"
A3.11A	ELEVATIONS - BLDG #11 - DISPLAY CONDITION	
A3.12	ELEVATIONS - BUILDING #32	1/8"=1'-0"
A3.13	ELEVATIONS - BUILDING #13	1/8"=1"-0"
A3.34	ELEVATIONS - BUILDING #14	1/8"=1'-0"
A3.15	ELEVATIONS - BUILDING #15	1/8"=1'-0"
13.16	ELEVATIONS - BUILDING #16	1/8"=1"-0"
1	Section 1997 Section 1997	
_	UNIT PLANS	
14.01	PLANS & SECTIONS - UNIT TYPE GLa	1/4"=1'-0"
44.01A	PLANS & SECTIONS - UNIT TYPE GI	1/4" - 1'-0"
44.01B	PLANS & SECTIONS - UNIT TYPE G	1/4"=1'-0"
44.01C	PLANS & SECTIONS - UNIT TYPE G1b.	1/4"=1'-0"
44.02	PLANS & SECTIONS - UNIT TYPE J1	1/4"=1'-0"
A4.02A	PLANS - UNIT TYPE J1a	1/4"=1"-0"
A4.03	PLANS & SECTIONS - UNIT TYPE K1	1/4"+1"-0"
A4.03A	PLANS & SECTIONS - UNIT TYPE K1a	1/4"=1"-0"
	PLANS & SECTIONS - UNIT TYPE K	1/4"+1'-0"
		In the about
A4.03B A4.03C	PLANS & SECTIONS - UNIT TYPE K1b	1/4"=11.0"
A4.038 A4.03C		1/4"=1'-0"
A4.038 A4.03C A4.04 A4.05	PLANS & SECTIONS - UNIT TYPE K1b	
A4.03B A4.03C A4.04	PLANS & SECTIONS - UNIT TYPE K16 PLANS & SECTIONS - UNIT TYPE L	1/4"=1'-0"

EKISTICS

F. BO4 978-6080 F. BO4 979-6090 www.elibilies.com

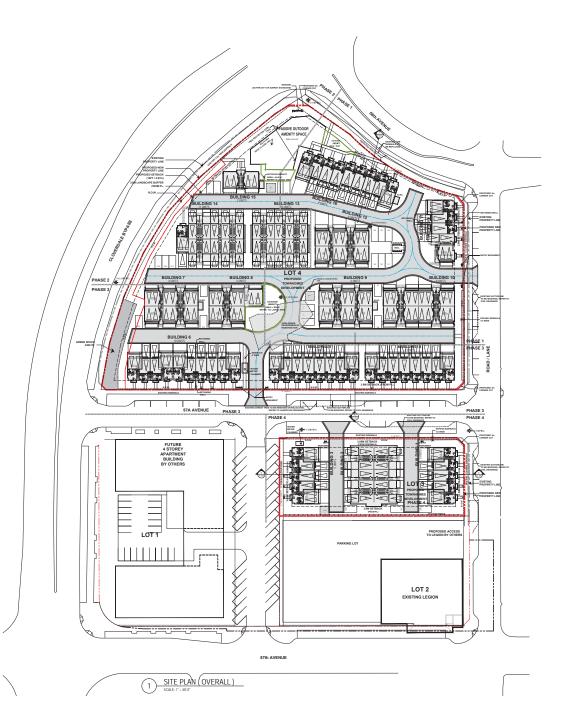
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1. ISSUED FOR DEVELOPM	APRIL 1, 20	
PROJECT NUMBER	DC-45	
DRAWN BY	YW	
CHECKED BY	MB	
DATE CHECKED		
CONSULTANT		

ROJECT	
CLOVERDALE	
TOWNHOMES	
ATTEC A ATTOO STA AVENUE OURDEN D.O.	

COVER SHEET

A0.00





Architecture





REVISIONS

1

RE-ESSUED FOR DEVELOPMENT PERSON (REV. 2)

 2. RE-JSSUED FOR DEVELOPMENT PERMIT
 JULY 28, 2016

 1. ISSUED FOR DEVELOPMENT PERMIT
 APRIL 1, 2016

 PROJECT NUMBER
 DC-45

CHECKED BY MB

DATE CHECKED

CONGULTANT

CONSULTANT

CLOVERDALE TOWNHOMES

RAWING TITLE

SITE PLAN (OVERALL)

RAWING No.

A1.01



JULY 28, 2016

Development Statistics						
Legal Description	LOTS 3 AND	4 SECTION 7 TOW	NSHID & NEW V	WESTMINSTER DIS	TRICT DI AN EDD24	1658
Civic Address(es)	LOTS 3 AND 4, SECTION 7, TOWNSHIP 8, NEW WESTMINSTER DISTRICT, PLAN EPP24 17555 and 17568 57A AVENUE, SURREY, B.C.					1050
Zoning	CD					
		LOT 3	LOT 4	TOTAL SITE AI	REA	
		SQ.FT.	SQ.FT.	SQ.FT.	m²	ACRE
Site Area Gross		27516.9	149266.4	176783.3	16423.7	4.1
Dedication A		2,520.5	3995.7	270703.3	10423.7	
Dedication B			1700.5			
Dedication C		698.8	170010			
Proposed Site Area		26818.1	143570.2	170388.3	15829.6	3.9
		2002012	2.007.012			0.0
		PHASE 1	PHASE 2	PHASE 3	PHASE 4	
GROSS AREA (SQ.FT.)		83,093.9	37,901.0	28,271.0	27,516.9	
DEDICATION AREA (SQ.FT.)		1,700.5	2,969.1	1,026.6	698.8	
NET AREA (SQ.FT.)		81,393.4	34,931.9	27,244.4	26,818.1	
		Unit Footprint	Unit C E A	Total G.F.A.		
UNIT TYPE	# of Units	(SQ.FT.)	(SQ.FT.)	(SQ.FT.)		
UNIT G (2-BED)	19	489	1096	20824		
UNIT G (2-BED)	15	433	1096	16440		
UNIT G1 (2-BED, END UNIT )	13	687	1218	15834		
UNIT G1a (2-BED.)	2	683	1255	2510		
UNIT L-BACK TO BACK ( LOFT )	8	468	877	7016		
UNIT N -BACK TO BACK (1 BED + DEN)	13	468	985	12805		
UNIT N1 - BACK TO BACK (1 BED + DEN)		510	1070	10700		
UNIT K - BACK TO BACK (2-BED)	11	562	1138	12518		
UNIT K1-BACK TO BACK (2-BED, end unit)	10	566	1144	11440		
UNIT K1 - BACK TO BACK (2-BED, end unit)		587	1154	10386		
UNIT K18 - BACK TO BACK (2-BED, end unit)	1	634	1299	1299		
UNIT J1 / J1a - (2-BED, end unit)	3	596	1176	3528		
Total	114	550	1170	125300	11640.7 m²	
Amentity	required		proposed			
	(SQ.FT.)	(m²)	(SQ.FT.)	(m²)		
Indoor amenity space	3681	342	٠	~~~~~~		
Outdoor amenity space	3681	342.0	8,036	747		
	Permited		Net	Gross		
FAR	2.00		0.74	0.71		
LOT COVERAGE			36%			
# OF UNITS / ACRE			29.1	28.1		
# OF UNITS / HA			72.02	69.41		

Resident Parking	% OF TOTAL UNITS	TANDEM SIDE X		X SIDE ONE STALL		ALL			
			# OF STALL			# OF STALL		# OF STAL	. # OF STALL
		%	PROVIDED	%		PROVIDED	%	REQUIRED	PROVIDED
UNIT G (2-BED )	17%	17%	38						
UNIT Gi (2-BED)	13%	13%	30						
UNIT G1a (2-BED, END UNIT)	11%			11%		26			
UNIT G1b (2-BED )	2%			2%		4		(	~~~~~
UNIT L-BACK TO BACK ( LOFT )	7%						7%	8 {	8
UNIT N -BACK TO BACK (1 BED + DEN)	11%	11%	26						
UNIT N1 - BACK TO BACK (2 BED, END UNIT)	9%	9%	20						
UNIT K - BACK TO BACK (2-BED)	10%			10%		22			
UNIT K1 -BACK TO BACK (2-BED, end unit)	9%			9%		20			
UNIT K1a-BACK TO BACK (2-BED, end unit)	8%			8%		18			
UNIT K1b - (2-BED, end unit)	1%			1%		2			
UNIT J1 / J1a - (2-BED, end unit)	3%			3%		6			
TOTAL	100%	50%	114	43%	~~~~	98	7%	8	8
TOTAL RESIDENT STALLS PROVIDED					220	}			

Visitor Parking	REQUIRED	PROPOSED		
Lot 3	23			
Lot 4	1.5	20		
Total	23	23		

Street Parking	REQUIRED	PROPOSED
Lot 3		3
Lot 4		21
Total		24

T. 404 876-6060 F. 404 876-6060





REVISIONS

1 ISSUES

UID FOR DEVELOPMENT PERMY (REV. 2) SEPT 6

DRAWN BY
CHECKED BY
DATE CHECKED

DATE CHECKED CONSULTANT

■ DEDICATION C

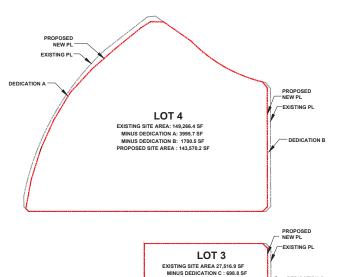
CLOVERDALE TOWNHOMES

DOMESTIC TITLE

PROJECT STATISTICS & SITE AREA DIAGRAM

DRAWING No.

A1.01C



PROPOSED SITE AREA: 26,818.1 SF

1) SITE AREA DIAGRAM

SCALE: 1" - 60".0"

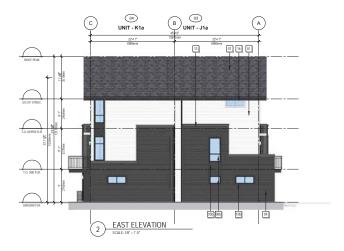
SCALE: 1" = 60'-0"

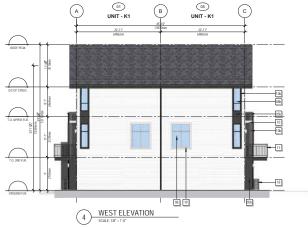












SCALE: 1/8" = 1'-0"

MATERIAL KEY

01 HORSTORIAL WAYL SEDWG, 3" EXPOSLINE 05b FIBRE-CEMENT PANLE - DARK GRAY 10 WOOD TRIM/ FASCIA. 05c FIBRE-CEMENT PANLE - LIGHT BLUE 01a HORIZONTAL VINVL SIDING, 5" EXPOSURE GRAY: GENTEX STORM 10b WOOD TRIM! FASCIA BIOARD, PRIMED & PAINTED 05d FIBRE-CEMENT PANLE - LIGHT GRAY 01b HORIZONTAL WAYL SIDING, 5" EXPOSUR - LIGHT GRAY: GENTEK DOVER GRAY 11 PRE-FINISHED ALLMINI. - STANDARD BLACK 12 EXTERIOR LIGHT FORTURE 06 WOOD DECK POST / BEAM, - DARK GRAY 12a ADDRESS NUMBER -STANDARD BLACK DOUBLED GLAZED FIBREGO - WHITE 13 PRE-FINISHED METAL FLASHING - STANDARD COLOUR TO MATCH 14 PRIVACY SCREEN - DARK GRAY 08a DOUBLE GLAZED FIBR HERE CEMENT HORIZONTAL LAP SIDING, "EXPOSURE GRAY TO MATCH BENJAMIN MODRE WHALE GRAY 2154-10 DBb DOUBLED GLAZED FIBREGLAS 15 ALIMINUM RAIN WATER LEADER,
-STANDARD BLACK

16 PRE-FINISHED ALIMINUM GUTTER,
-STANDARD BLACK 08c EXTERIOR ENTRY DOOR UNIT, I DBd OH GARAGE DOOR - WHITE 04c FIBRE-CEMENT HORIZONTAL LAP SIDING, 5" EXPOSURE FILLE TO MATCH BEYLAMIN MOORE HUDSON BAY 17 DECORATIVE LOUVER -BLACK 06 FIBRE-CEMENT PANLE - WHITE 09 WOOD SHADOW BOX TYPE - DARK GRAY 18 METAL DIMIDER - BLACK

EKISTICS

Architecture



CLOVERDALE TOWNHOMES 7555 & 17568 57A AVENUE, SURREY, B.

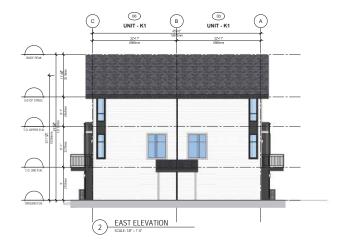
> BUILDING 8 ELEVATIONS

VING No.

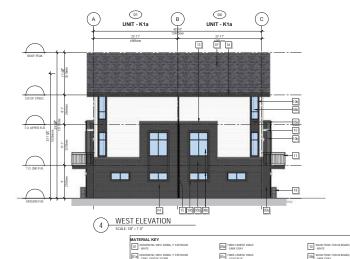
A3.08











D4s PBRE-CEMENT HONIZONTAL LAP SIDING,5" EXPOSURE
GRAY TO MATCH SENJAMIN MODRE WHALE GRAY 2134-10

05 FIBRE-CEMENT PANLE - WHITE

KEY PLAN 2. RE-ISSUED FOR DEVELOPMENT PERMIT JULY 28, 2016 ISSUED FOR DEVELOPMENT PERMIT CHECKED BY CLOVERDALE **TOWNHOMES** 

Architecture

10 0

T. 604 876-6060 T. 604 876-6060

0 5	10		20	25 FT	
1		5			 10n

DSb FIBRE-CEMENT PANLE - DARK GRAY 10 WOOD TRIM/ FASCIA BOX - WHETE OSC FIBRE-CEMENT PANLE 01a HORIZONTAL VINVL SIDING, 5" EXPOSURE GRAY: GENTEX STORM 10b WOOD TRM: FASCIA BOARD, PRIMED & PAINTED - DARK GRAY 01b HORIZONTAL WAYL SIDING, 5" EXPOSURE - LIGHT GRAY: GENTEK DOVER GRAY DSd FIBRE-CEMENT PANLE - LIGHT GRAY 11 PRE-FINISHED ALLMINI. - STANDARD BLACK 12 EXTERIOR LIGHT FORTURE 02 HORSTONTAL WAYL SIDNIG, 5" EXPOSURE 06 WOOD DECK POST / BEAM, I - DARK GRAY 12a ADDRESS NUMBER -STANDARD BLACK 08 DOUBLED GLAZED FIBREGL WHITE 13 PRE-FINISHED METAL FLASHING, -STANDARD COLOUR TO MATCH: 08a DOUBLE GLAZED FIBRE

14 PRIVACY SCREEN - DARK GRAY DOUBLED GLAZED FIBREGLASS BLACK 15 ALIMINUM RAIN WATER LEADER,
-STANDARD BLACK

16 PRE-FINISHED ALIMINUM GUTTER,
-STANDARD BLACK 08c EXTERIOR ENTRY DOOR UNIT, INSULATED ORK GRAY

04c FIBRE-CEMENT HORIZONTAL LAP SIDNG 5" EXPOSURE - BLUE TO MATCH BENJAMIN MODRE HLESON BAY DBd OH GARAGE DOOR - WHITE 17 DECORATIVE LOUVER -BLACK 09 WOOD SHADOW BOX TYPE WINDOW - DARK GRAY

A3.09

**BUILDING 09** 

**ELEVATIONS** 









06 FIBRE-CEMENT PANLE - WHITE

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

MATERIAL KEY

01 - WHITE

WHITE DSb FIBRE-CEMENT PANLE - DARK GRAY 10 WOOD TRIM/ FASCIA BOA 05c FIBRE-CEMENT PANLE - LIGHT BLUE 01a HORIZONTAL WAYL SIDNG, 5" EXPOSURE GRAY: GENTEX STORM 10b WOOD TRM: FASCIA BOARD, PRIMED & PAINTED - DARK GRAY 01b HORIZONTAL WAYL SIDING, 5" EXPOSUR LIGHT GRAY: GENTEK DOVER GRAY DSd FIBRE-CEMENT PANLE - LIGHT GRAY 11 PRE-FINISHED ALLMINI. - STANDARD BLACK 12 EXTERIOR LIGHT FORTURE 06 WOOD DECK POST / BEAM, I 12a ADDRESS NUMBER -STANDARD BLACK 08 DOUBLED GLAZED FIBREGO - WHITE 13 PRE-FINISHED METAL FLASHING - STANDARD COLOUR TO MATO 14 PRIVACY SCREEN - DARK GRAY 08a DOUBLE GLAZED FIBR 04b FBRE-CEMENT HORIZONTAL LAP SIDNOUS EXPOSURE GRAY TO MATCH BENJAMIN MODRE WHALE GRAY 21SL40 DOUBLED GLAZED FIBREGLASS - BLACK 15 ALUMINUM RAIN WATER LEADER 16 PRE-FINISHED ALLMINUM GUTTER, -STANDARD BLACK OBC EXTERIOR ENTRY DOOR UNIT, INSULATED ON GARAGE DOOR - WHITE 17 DECORATIVE LOUVER -BLACK 04c FIBRE-CEMENT HORIZONTAL LAP SIDING, 5" EXPOSURE FILLE TO MATCH BEYLAMIN MOORE HUDSON BAY

09 WOOD SHADOW BOX TYPE WINDOW - DARK GRAY EKISTICS

Architecture



TOWNHOMES 55 & 17568 57A AVENUE, SURREY,

CLOVERDALE

BUILDING 10 ELEVATIONS

VING No.

A3.10















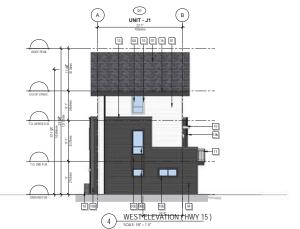












04a PERS CENENT HORIZONTAL LAP SIDNO,5" EXPOSURE ORAY TO MATCH SENLANN MODRE WHALE GRAY 21SI-10

04c FIBRE-CEMENT HORIZONTAL LAP SIDING, 5" EXPOSURE FILLE TO MATCH BEYLAMIN MOORE HUDSON BAY

05 FIBRE-CEMENT PANLE - WHITE DOUBLED GLAZED FIBREGLASS BLACK

09 WOOD SHADOW BOX TYPE WINDO - DARK GRAY

OBC EXTERIOR ENTRY DOOR UNIT, INSULATED DOOR ON CARACE DOOR WHITE



17 DECORATIVE LOUVER -BLACK

18 METAL DIMIDER - BLACK

0 5 10 20 25 FT

IS ALMANDA MAN MATER LAZER,
STARANDO BLACK

16 PREF ARRIVALARIAM MATTER
STARBAND BLACK

A3.15

EKISTICS

Architecture

KEY PLAN

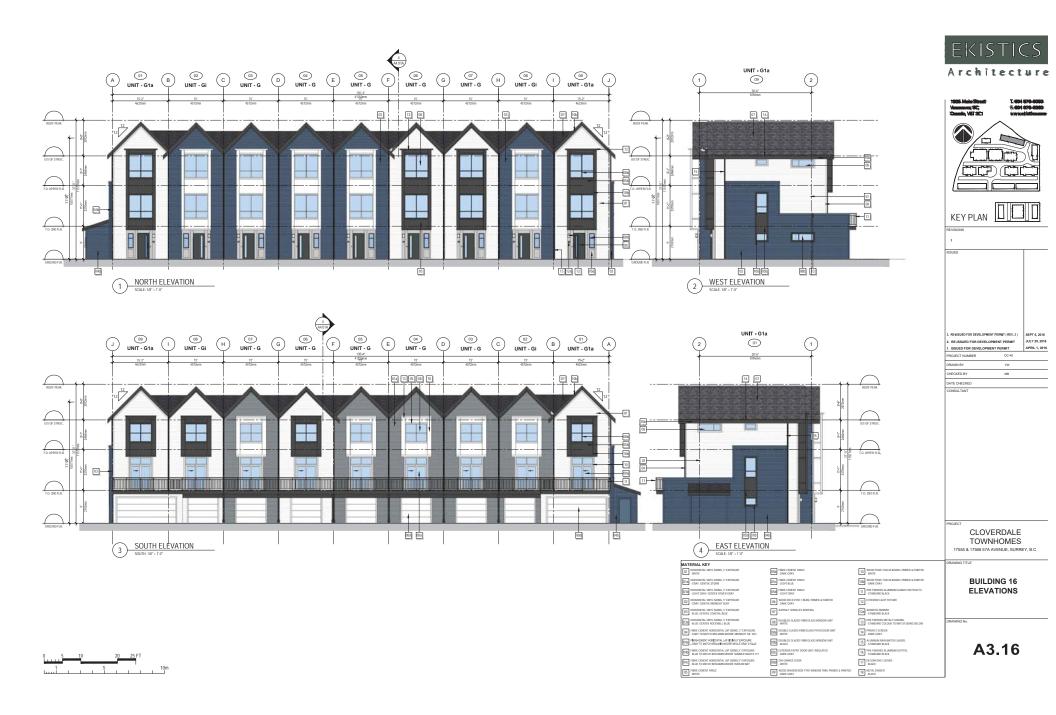
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ISSUED FOR DEVELOPMENT PERMIT

CHECKED BY

JULY 28, 2016

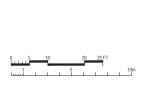
T. 604 876-6060 T. 604 876-6060















MATERIAL KEY

O1 HORSDONTAL VINVIL SIDNIC, 5" EXPOSURE
- WHITE DSb FIBRE-CEMENT PANLE - DARK GRAY 10 WOOD TRIM/ FASCIA BOARD OSC FIBRE-CEMENT PANLE 10b WOOD TRIM! FASCIA BOARD, PRIMED & PAINTED - DARK GRAY 01a HORIZONTAL WAYL SIDNG, 5" EXPOSURE GRAY: GENTEX STORM 01b HORIZONTAL WAYL SIDING, 5" EXPOSUR LIGHT GRAY: GENTEK DOVER GRAY DSd FIBRE-CEMENT PANLE - LIGHT GRAY 11 PRE-FINISHED ALLMINI. - STANDARD BLACK 12 EXTERIOR LIGHT FORTURE 06 WOOD DECK POST / BEAM, I 12a ADDRESS NUMBER -STANDARD BLACK 08 DOUBLED GLAZED FIBREGO - WHITE 13 PRE-FINISHED METAL FLASHING - STANDARD COLOUR TO MATCH 14 PRIVACY SCREEN - DARK GRAY 04a PERS CENENT HORIZONTAL LAP SIDNO,5" EXPOSURE ORAY TO MATCH SENJAMIN MODRE WHALE GRAY 21SI-10 DBb DOUBLED GLAZED FIBREGLAS 15 ALUMINUM RAIN WATER LEADER 16 PRE-FINISHED ALLMINUM GUTTER, -STANDARD BLACK DBC EXTERIOR ENTRY DOOR UNIT, INSULATED

17 DECORATIVE LOUVER -BLACK

OR GARAGE DOOR - WHITE

09 WOOD SHADOW BOX TYPE WINDO

04c FIBRE-CEMENT HORIZONTAL LAP SIDING, 5" EXPOSURE FILLE TO MATCH BEYLAMIN MOORE HUDSON BAY

06 FIBRE-CEMENT PANLE - WHITE BUILDING 13 ELEVATIONS

CLOVERDALE TOWNHOMES

Architecture

<u>/a</u> =

KEY PLAN

2. RE-ISSUED FOR DEVELOPMENT PERMIT

ISSUED FOR DEVELOPMENT PERMIT

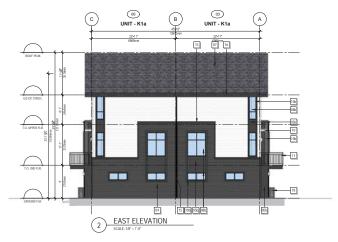
CHECKED BY

JULY 28, 2016

T. 604 876-6060 T. 604 876-6060

A3.13

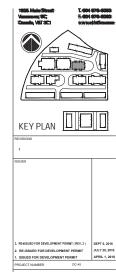








Architecture



CHECKED BY

CLOVERDALE **TOWNHOMES** 

**BUILDING 12** 

**ELEVATIONS** 

12a ADDRESS NUMBER -STANDARD BLACK 13 PRE-FINISHED METAL FLASHING - STANDARD COLOUR TO MATCH

A3.12

MATERIAL KEY

| HORIZONIAL VONT, SIDNIG, 3' EXPOSLINE
| WHITE
| WAS STORM 3' EXPOSLINE
| WAS STORM 3' EXPOSLINE DSb FIBRE-CEMENT PANLE - DARK GRAY 10 WOOD TRIM! FASCIA BOX - WHETE OSC FIBRE-CEMENT PANLE 10b WOOD TRIM! FASCIA BIOARD, PRIMED & PAINTED 01b HORIZONTAL WAYL SIDING, 5" EXPOSUR - LIGHT GRAY: GENTEK DOVER GRAY DSd FIBRE-CEMENT PANLE - LIGHT GRAY 11 PRE-FINISHED ALLMINI. - STANDARD BLACK 12 EXTERIOR LIGHT FORTURE 06 WOOD DECK POST / BEAM, I 08 DOUBLED GLAZED FIBREGL 14 PRIVACY SCREEN - DARK GRAY 08a DOUBLE GLAZED FIBRE D4s PBRE-CEMENT HONIZONTAL LAP SIDING,5" EXPOSURE
GRAY TO MATCH SENJAMIN MODRE WHALE GRAY 2134-10 DOUBLED GLAZED FIBREGLASS - BLACK 15 ALUMINUM RAIN WATER LEADER 16 PRE-FINISHED ALLMINUM GUTTER, -STANDARD BLACK DBC EXTERIOR ENTRY DOOR UNIT, INSULATED

DBd OH GARAGE DOOR - WHITE 04c FIBRE-CEMENT HORIZONTAL LAP SIDING, 5" EXPOSURE FILLE TO MATCH BEYLAMIN MOORE HUDSON BAY 17 DECORATIVE LOUVER -BLACK 06 FIBRE-CEMENT PANLE - WHITE 09 WOOD SHADOW BOX TYPE WINDOW - DARK GRAY



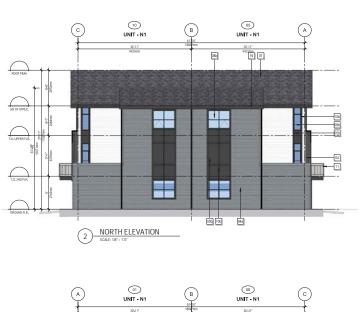














<u>/</u> KEY PLAN 2. RE-ISSUED FOR DEVELOPMENT PERMIT JULY 28, 2016 ISSUED FOR DEVELOPMENT PERMIT CLOVERDALE **TOWNHOMES** 

EKISTICS

Architecture

T. 604 876-6060 T. 604 876-6060

MATERIAL KEY

OT HORSDIVIAL WAYS SIDNG, 5" EXPOSURE
- WHATE DSb FIBRE-CEMENT PANLE - DARK GRAY 10 WOOD TRIM/ FASCIA BOAR OSC FIBRE-CEMENT PANLE 01a HORIZONTAL WAYL SIDNG, 5" EXPOSURE GRAY: GENTEX STORM 10b WOOD TRM: FASCIA BOARD, PRIMED & PAINTED - DARK GRAY DSd FIBRE-CEMENT PANLE - LIGHT GRAY 11 PRE-FINISHED ALLMINI. - STANDARD BLACK 12 EXTERIOR LIGHT FORTURE 06 WOOD DECK POST / BEAM, I 12a ADDRESS NUMBER -STANDARD BLACK 08 DOUBLED GLAZED FIBREGL 13 PRE-FINISHED METAL FLASHING - STANDARD COLOUR TO MATCH 14 PRIVACY SCREEN - DARK GRAY 08a DOUBLE GLAZED FIBR PBRS-CEMENT HORIZONTAL LAP SIDNOUS' EXPOSURE
GRAY TO MATCH SENLAMN MODRE WHALE GRAY 2104-10

DOUBLED GLAZED FIBREGLASS - BLACK 15 ALUMINUM RAIN WATER LEADER 16 PRE-FINISHED ALLMINUM GUTTER, -STANDARD BLACK DBC EXTERIOR ENTRY DOOR UNIT, INSULATED

DBd OH GARAGE DOOR - WHITE 04c FIBRE-CEMENT HORIZONTAL LAP SIDING, 5" EXPOSURE FILLE TO MATCH BENJAMIN MOORE HUDSON BAY 17 DECORATIVE LOUVER -BLACK 06 FIBRE-CEMENT PANLE - WHITE (9) WOOD SHADOW BOX TYPE WINDOW TRIM, PRIMED & PAINTED - DARK GRAY

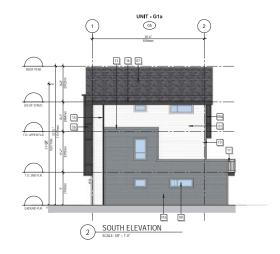
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**BUILDING 2** 

**ELEVATIONS** 









DSd FIBRE-CEMENT PANLE - LIGHT GRAY

06 WOOD DECK POST / BEAM, I - DARK GRAY

DOUBLED GLAZED FIBREGO - WHITE

08a DOUBLE GLAZED FIBRE

DOUBLED GLAZED FIBREGLASS - BLACK

09 WOOD SHADOW BOX TYPE WINDOW - DARK GRAY

OBC EXTERIOR ENTRY DOOR UNIT, INSULATED DOOR ON CARACE DOOR WHITE

11 PRE-FINISHED ALLMINUS - STANDARD BLACK

12 EXTERIOR LIGHT FORTURE

13 PRE-FINISHED METAL FLASHING,
-STANDARD COLOUR TO MATCH:
14 PRIVACY SCREEN
- DARK GRAY

15 ALUMINUM RAIN WATER LEADER

16 PRE-FINISHED ALLMINUM GUTTER, -STANDARD BLACK

17 DECORATIVE LOUVER -BLACK

12a ADDRESS NUMBER -STANDARD BLACK

01b HORIZONTAL WAYL SIDING, 5" EXPOSUR LIGHT GRAY: GENTEK DOVER GRAY

PBRS-CEMENT HORIZONTAL LAP SIDNOUS' EXPOSURE
GRAY TO MATCH SENLAMN MODRE WHALE GRAY 2104-10

04c] FIBRE-CEMENT HORIZONTAL LAP SIDNG, 5' EXPOSURE
BLUE TO MATCH EEN JAMEN MOCKE HEDSON BAY

FIBRE-CEMENT PANLE
-WHITE



**BUILDING 3** 

**ELEVATIONS** 

A3.03









UNIT - G1a



06 FIBRE-CEMENT PANLE - WHITE

MATERIAL KEY

OT HORSDIVIAL WAYS SIDNG, 5" EXPOSURE
- WHATE DSb FIBRE-CEMENT PANLE - DARK GRAY 10 WOOD TRM/ FASOA 05c FIBRE-CEMENT PANLE - LIGHT BLUE 01a HORIZONTAL WAYL SIDING, 5" EXPOSLIRE - GRAY: GENTEX STORM 10b WOOD TRIM! FASCIA BOARD, PRIM - DARK GRAY 01b HORIZONTAL WAYL SIDING, 5" EXPOSURE - LIGHT GRAY: GENTEK DOVER GRAY DSd FIBRE-CEMENT PANLE - LIGHT GRAY 11 PRE-FINISHED ALLMINI. - STANDARD BLACK 12 EXTERIOR LIGHT FORTURE 06 WOOD DECK POST / BEAM, - DARK GRAY 12a ADDRESS NUMBER -STANDARD BLACK 08 DOUBLED GLAZED FIBRES 13 PRE-FINISHED METAL FLASHING - STANDARD COLOUR TO MATCH 14 PRIVACY SCREEN - DARK GRAY 08a DOUBLE GLAZED - WHITE PBRS-CEMENT HORIZONTAL LAP SIDNOUS' EXPOSURE
GRAY TO MATCH SENLAMN MODRE WHALE GRAY 2104-10 DBb DOUBLED GLAZED FIBREGLAS 15 ALUMINUM RAIN WATER LEADER 16 PRE-FINISHED ALLMINUM GUTTER, -STANDARD BLACK 08c EXTERIOR ENTRY DOOR UNIT, - DARK GRAY ON GARAGE DOOR - WHITE 17 DECORATIVE LOUVER -BLACK 04c FIBRE-CEMENT HORIZONTAL LAP SIDING, 5" EXPOSURE FILLE TO MATCH BENJAMIN MOORE HUDSON BAY

09 WOOD SHADOW BOX TYPE - DARK GRAY



Architecture



KEY PLAN

1

N. RE-SESSIED FOR BENELOWIEDT FERRIT ( REV. 2)
 R. RE-SESSIED FOR DEVELOPMENT FERRIT
 N. REVER FOR DEVELOPMENT FERRIT
 N. REVER FOR DEVELOPMENT FERRIT APRIL 1, 2016

PROJECT NUMBER DC-45

DRAWN BY YW

CHECKED BY MB

CONSULTANT

CLOVERDALE TOWNHOMES

BUILDING 4 ELEVATIONS

VING No.

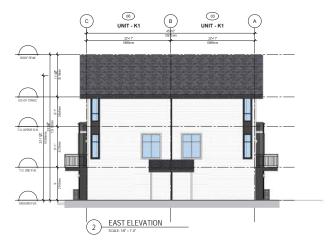
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 (FCT FLEVATION (LIMOV 15)	(6b)	
/EST ELEVATION (HWY 15) ALE: 1/8" - 1'-0"		
MATERIAL KEY		
01 HORSDATAL VWYL SIDNG, 5" EXPOSURE - WHITE	05b FIBRE-CEMENT PANLE - DARK GRAY	10 WOOD TRIM! FASCIA BOARD, PRIMED & PAINTED WHITE
01a HORIZONTAL VINYL SIDING, 5" EXPOSURE - GRAY: CENTEX STORM	05c FIBRE-CEMENT PANLE - LIGHT BLUE	10b WOOD TRIM! FASCIA BOARD, PRIMED & PAINTED - DARK GRAY
01b HORIZONTAL VINYL SIDING, 5" EXPOSURE LIGHT GRAY: GENTEK DOVER GRAY	06d FIBRE-CEMENT PANLE LIGHT GRAY	11 PRE-FINISHED ALLMINUM GUARD OW PICKETS -STANDARD BLACK
02 HORSTONTAL VINYL SIDING, 5" EXPOSURE GRAY: CENTEX MIDNICHT SURF	06 WOOD DECK POST / BEAM, PRINCED & PAINTED - DARK GRAY	12 EXTERIOR LIGHT FOTURE
03 HORSTONTAL VINYL SIDING, 5" EXPOSURE . BLUE: GENTEK COASTAL BLUE	07 ASPIRALT SHINGLES ROOFING	12a -STANDARD BLACK
(C3a) HORIZONTAL VINYL SIDING, 5" EXPOSURE BLUE: GENTEK ROCKWELL BLUE	08 DOUBLED GLAZED FIBREGLASS WINDOW UNIT	13 PRE-FINISHED METAL FLASHING, -STANDARD COLOUR TO MATCH SIDING BELOW
04 FIRRE-CEMENT HORIZONTAL LAP SIDNG, 5" EXPOSURE - GARY TO MATCH BENJAMIN MODISE MENIGHT OIL 1631	08a DOUBLE GLAZED FIBRE GLASS PATIO DOOR UNIT	14 PRIVACY SCREEN - DARK GRAY
D4b FIBRE-CEMENT HORIZONTAL LAP SIZNOUS* EXPOSURE GRAY TO MATCH BENLANDY MOORE WHALE GRAY 2/S4-10	08b DOUBLED GLAZED FIBREGLASS WINDOW UNIT - BLACK	15 ALUMINUM RAIN WATER LEADER, - STANDARD BLACK
(Mb) FIRRE-CEMENT HORIZONTAL LAP SIDNG,5" EXPOSURE - BLUE TO MATCH BENJAMIN MODIE: SUMMER NIGHTS 777	OBC EXTERIOR ENTRY DOOR UNIT, INSULATED - DARK GRAY	16 PRE-FINISHED ALLMINUM GUTTER, -STANDARD BLACK
D4cl FIBRE-CEMENT HORIZONTAL LAP SIDING 5" EXPOSURE BLUE TO MATCH BENJAMIN MODRE HIDSON BAY	08d ON GARACE DOOR - WHITE	17 DECORATIVE LOUVER - BLACK
06 FIRRE-CEMENT PANLE - WHETE	09 WOOD SHADOW BOX TYPE WINDOW TRM, PRIMED & PAINTED - DARK GRAY	18 METAL DWIDER BLACK

A3.07

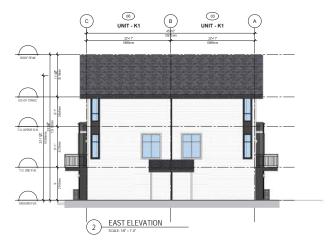
**BUILDING 7 ELEVATIONS** 

















 (FCT FLEVATION (LIMOV 15)	(6b)	
/EST ELEVATION (HWY 15) ALE: 1/8" - 1'-0"		
MATERIAL KEY		
01 HORSDATAL VWYL SIDNG, 5" EXPOSURE - WHITE	05b FIBRE-CEMENT PANLE - DARK GRAY	10 WOOD TRIM! FASCIA BOARD, PRIMED & PAINTED WHITE
01a HORIZONTAL VINYL SIDING, 5" EXPOSURE - GRAY: CENTEX STORM	05c FIBRE-CEMENT PANLE - LIGHT BLUE	10b WOOD TRIM! FASCIA BOARD, PRIMED & PAINTED - DARK GRAY
01b HORIZONTAL VINYL SIDING, 5" EXPOSURE LIGHT GRAY: GENTEK DOVER GRAY	06d FIBRE-CEMENT PANLE LIGHT GRAY	11 PRE-FINISHED ALLMINUM GUARD OW PICKETS -STANDARD BLACK
02 HORSTONTAL VINYL SIDING, 5" EXPOSURE	06 WOOD DECK POST / BEAM, PRINCED & PAINTED - DARK GRAY	12 EXTERIOR LIGHT FOTURE
03 HORSTONTAL VINYL SIDING, 5" EXPOSURE . BLUE: GENTEK COASTAL BLUE	07 ASPINALT SHINGLES ROOFING	12a -STANDARD BLACK
(C3a) HORIZONTAL VINYL SIDING, 5" EXPOSURE BLUE: GENTEK ROCKWELL BLUE	08 DOUBLED GLAZED FIBREGLASS WINDOW UNIT	13 PRE-FINISHED METAL FLASHING, -STANDARD COLOUR TO MATCH SIDING BELOW
04 FIBRE-CEMENT HORIZONEAL LAP SIDING, 5" EXPOSERE - GARY TO MATCH BENJAMIN MODISE MENIGHT OIL 1631	08a DOUBLE GLAZED FIBRE GLASS PATIO DOOR UNIT	14 PRIVACY SCREEN - DARK GRAY
D4b FIBRE-CEMENT HORIZONTAL LAP SIZNOUS* EXPOSURE GRAY TO MATCH BENLAND MOORE WHALE GRAY 2/S4-10	08b DOUBLED GLAZED FIBREGLASS WINDOW UNIT - BLACK	15 ALUMINUM RAIN WATER LEADER, - STANDARD BLACK
(Mb) FIRRE-CEMENT HORIZONTAL LAP SIDNG,5" EXPOSURE - BLUE TO MATCH BENJAMIN MODIE: SUMMER NIGHTS 777	OBC EXTERIOR ENTRY DOOR UNIT, INSULATED - DARK GRAY	16 PRE-FINISHED ALLMINUM GUTTER, -STANDARD BLACK
D4cl FIBRE-CEMENT HORIZONTAL LAP SIDING 5" EXPOSURE BLUE TO MATCH BENJAMIN MODRE HIDSON BAY	08d ON GARACE DOOR - WHITE	17 DECORATIVE LOUVER - BLACK
06 FIRRE-CEMENT PANLE - WHETE	09 WOOD SHADOW BOX TYPE WINDOW TRM, PRIMED & PAINTED - DARK GRAY	18 METAL DWIDER BLACK

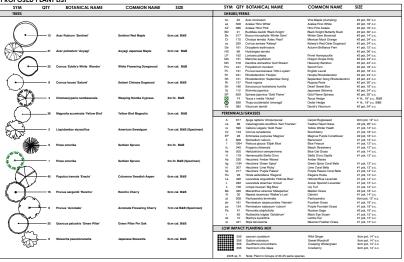
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**BUILDING 7 ELEVATIONS** 





PROPOSED PLANT LIST



#### MATERIALS KEY

DETAIL	KEY	MATERIAL	
SURFACIN	IG .		
Ld-04 13:2	<b>(P)</b>		Bark Mulch at Tree Retention Zone
Ld-06 L3-2	<b>(P2)</b>		Permeabale Pavers at Visitor Parking Stalls SF Rima or approved equal
Ld-08 13.2	<b>@3</b> >		CIP Concrete Broom Finished pathways 100mm thick, Sawcul as per plan.
(Ld-05) 13.2	•		18"x18" Hydrapressed Concrete Pavers Natural Grey
13.2	<b>(PS)</b>		Sod Lawn on grade
Ld-11 13.2	<b>P</b> 8		Gravel/River Rock Drainage strip
Ld-10 13.2	<b>∲8</b> >		Asphalt Paving
	<b>?</b>		Feature Concrete Paving Refer to Civil
Ld-12 13.2	<b>(10)</b>		Extent of Structural Soil Refer to Civil
	<b>€12</b>		Offiste CIP Concrete Per City of Surrey Standard

DETAIL	KEY	MATERIAL				
WALLS & FENCING						
Ld-15 L33	₩1		3'-0" ht Typical Yard Fencing • Refer to Landscape details			
Ld-18 L3.3	<b>₩</b> 2		Masonry Retaining Wall  Refer to Arch.			
	⟨w₃⟩		Concrete Landscape Feature Wall  Refer to Landscape details			
Ld-13 L33	₩4	_*_*	6'-0" Wood Privacy Fence -Refer to Landscape details			
Ld-16 L3.3		D	Typical Entry Gate  •36'ht fencing and gates at unit patios •Refer to Landscape details			
SITE FURNI	SHING/HA	ARDSCAPE				
	F1		CIP Concrete Bench Refer to Landscape details			
	F2		Backless Wooden Bench Victor Stanley- 5-0" Eva Bench			
LIGHTING	LIGHTING					
		<del> </del>	Landscape Uplighting Refer to Electrical for further detail			
		#	Landscape Bollard Lighting Refer to Electrical for further detail			

TREE PROTECTION			
SYM			
$\odot$	Existing Street Tree to be retained and protected		
	Tree Protection Zone (TPZ)		

#### GRADING KEY

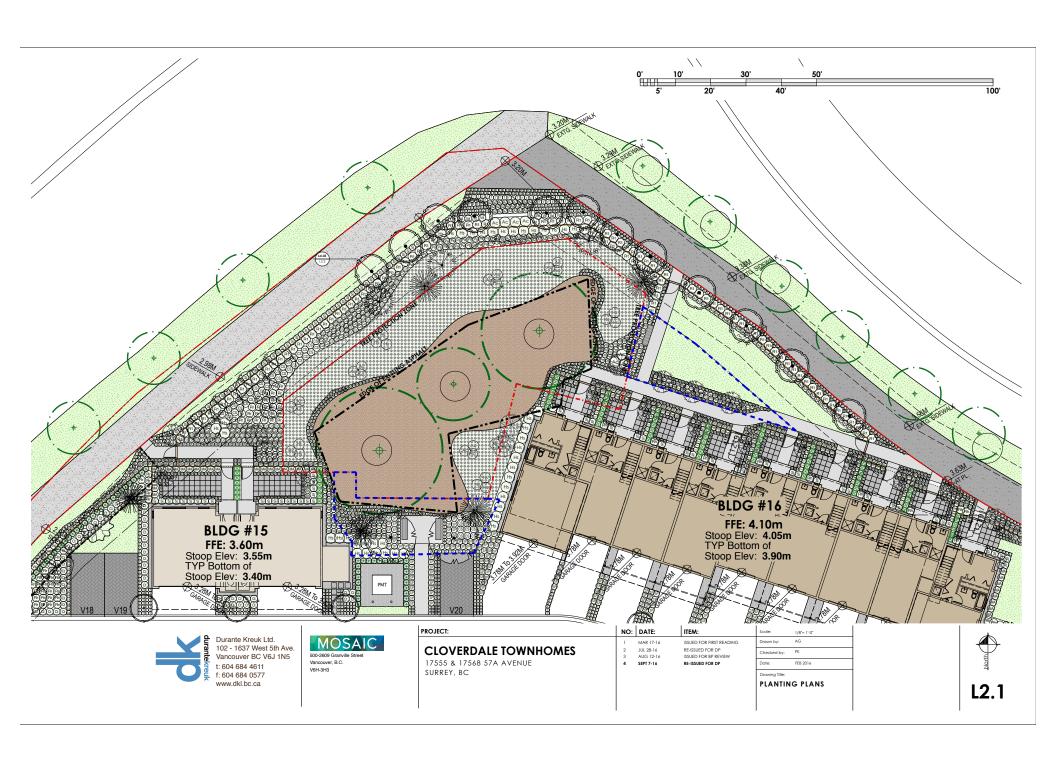
SYM			
FG	Finished Grade	±3.85	Spot Elevation (meters)
tw	Top of Wall	+ 4r dwn	Stair Run & Direction
bw	Rottom of Wall	te	Top of Step

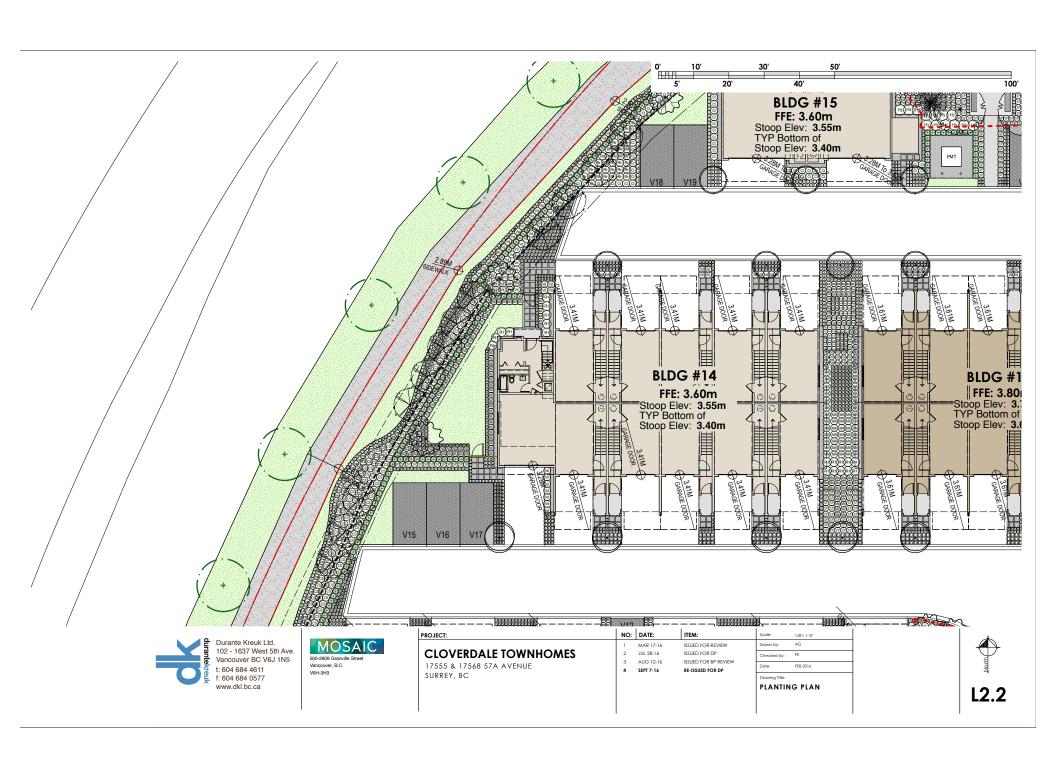


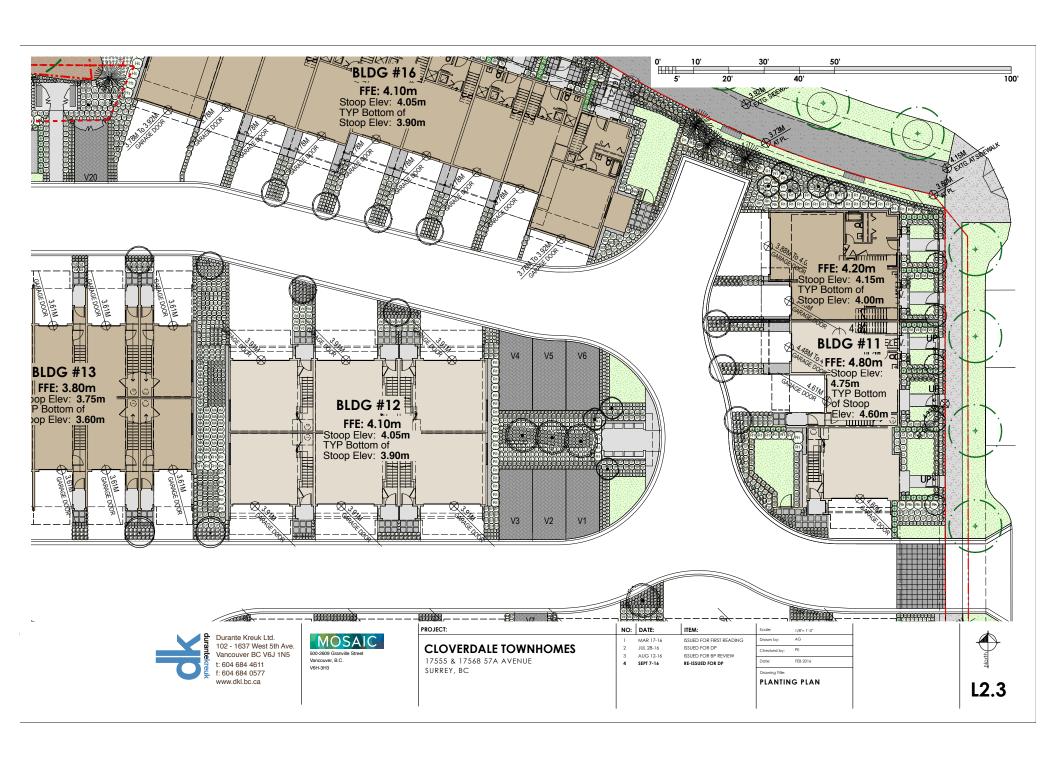
NO:	DATE:	ITEM:	Scale:	-	
1	MAR 17-16	ISSUED FOR FIRST READING	Drawn by:	AG	
2	JUL 28-16	ISSUED FOR DP	Checked by:	PK	
3	AUG 12-16		Date:	FEB 2016	
4	4 SEPT 7-16 RE-ISSUED FOR DP		Drawing Title: COVERSHEET		
	1 2 3	2 JUL 28-16 3 AUG 12-16	1 MAR 17-16 ISSUED FOR FIRST READING 2 JUL 28-16 ISSUED FOR DP 3 AUG 12-16 ISSUED FOR BP REVIEW	MAR 17-16   SSUED FOR FIRST READING   Drown by:	

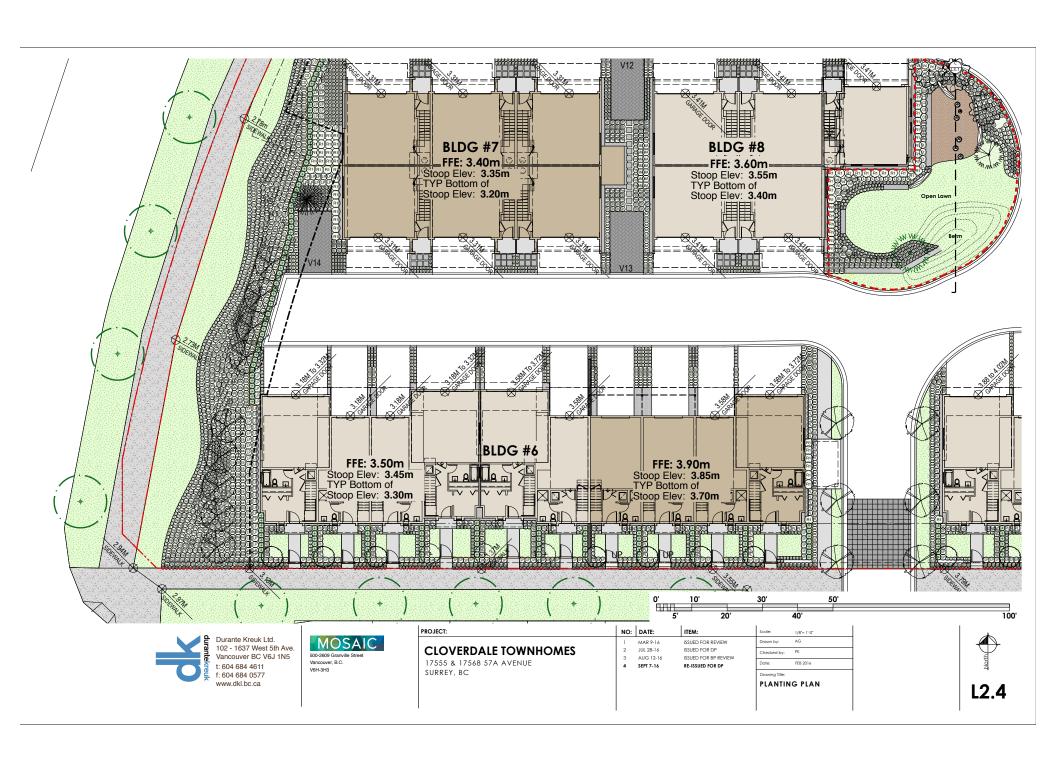


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## INTER-OFFICE MEMO

TO:

Manager, Area Planning & Development - North Surrey Division

Planning and Development Department

FROM:

**Development Project Engineer, Engineering Department** 

DATE:

August 25, 2016

PROJECT FILE:

7816-0106-00

RE:

**Engineering Requirements** 

Location: 17555 and 17568 57A Avenue

#### DEVELOPMENT PERMIT

The following issues are to be addressed as a condition of issuance of the Development Permit:

## Property and Right-of-Way Requirements

- Dedicate area within Statutory Right-of-Way E2013-0079 at the existing edge of concrete sidewalk along Highway 15 as road allowance.
- Dedicate area within Statutory Right-of-Way E2013-0079 along the lane as road allowance.
- Dedicate 3.0 x 3.0 m corner cuts at the intersection of the 58 Avenue and the lane, and 57A Avenue and the lane.
- Provide a 0.5 m Statutory Right-of-Way along the frontage of Highway 15, 58 Avenue, and the lane.

#### Works and Services

- Construct a 3.0 m wide concrete multi-use-pathway along the property line of 58 Avenue.
- Remove and reconstruct the curb extensions along 57A Avenue and the lane to facilitate the proposed 7.3 m concrete letdowns.
- Provide water, storm, and sanitary service connections to service the development.
- Provide on-lot source controls per the Cloverdale-McLellan ISMP.
- Provide a water quality/sediment control inlet chamber as a component of the on-site drainage system.

A Servicing Agreement is required prior to Building Permit issuance.

#### DEVELOPMENT VARIANCE PERMIT

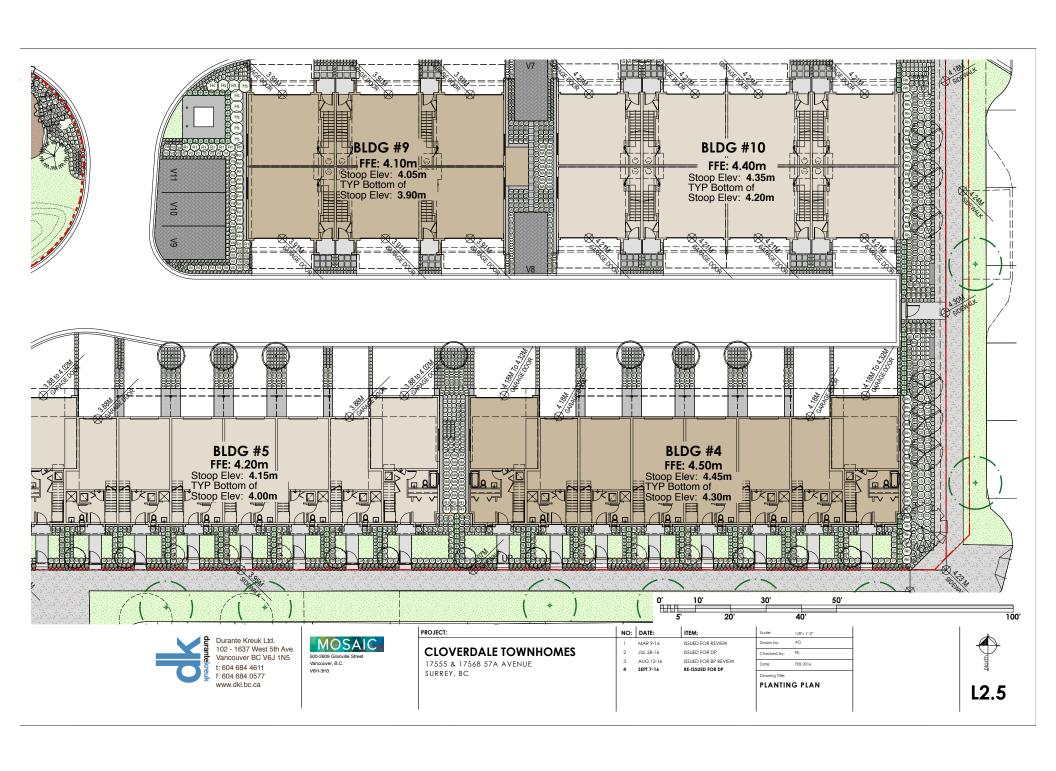
There are no engineering requirements relative to issuance of the Development Variance Permit.

Robert Cooke, Eng.L.

Development Project Engineer

CE

NOTE: Detailed Land Development Engineering Review available on file





Thursday, July 14, 2016 Planning

### THE IMPACT ON SCHOOLS

**APPLICATION #:** 

16-0106-00

#### **SUMMARY**

The proposed 114 townhouse units are estimated to have the following impact on the following schools:

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

Elementary Students:	23
Secondary Students:	11

#### September 2015 Enrolment/School Capacity

#### Martha Currie Elementary

Enrolment (K/1-7): 73 K + 541 Capacity (K/1-7): 40 K + 575

#### Lord Tweedsmuir Secondary

 Enrolment (8-12):
 2081

 Nominal Capacity (8-12):
 1400

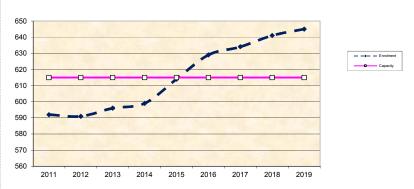
 Functional Capacity\*(8-12);
 1512

#### School Enrolment Projections and Planning Update:

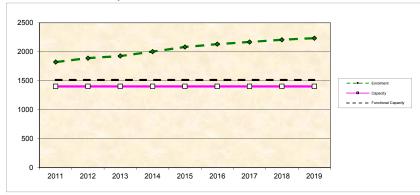
The following tables illustrate the enrolment projections (with current/approved ministry capacity) for the elementary and secondary schools serving the proposed development.

Martha Currie Elementary is at capacity and Lord Tweedsmuir is over capacity, on an extended day schedule and will have 18 portables in 2016. The Ministry has approved a new secondary school in North Clayton which will provide some relief to the over crowding at Lord Tweedsmuir. The new school, Salish Secondary, it expected to open in September 2018.

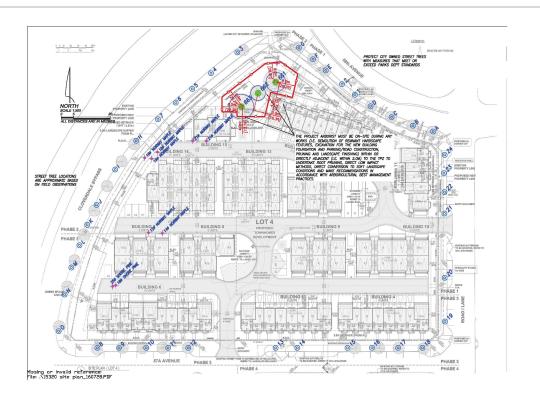
#### **Martha Currie Elementary**

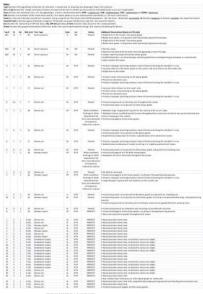


#### Lord Tweedsmuir Secondary



\*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.





#### TREE PROTECTION GUIDEUN

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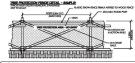
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LEGEND:

denotes PRIGRITY RANKING for treatment planning consideration, denotes DRIPLINE (spread of the branches and foliage) of the tree.

denotes OH-SITE free (to be protected and/or owner contacted as noted)

denotes TREE PROTECTION ZONE (TPZ) setback alignment as specified by project arboris

+ denotes NON-BYLAW undersize tree (as measured by project orborist).

denotes RETENTION free (proposed).

denotes REMOVAL free (proposed).

denotes HIGH RISK REMOVAL free (proposed).

denotes SITE or STUDY AREA BOUNDARY.

3 JUL 28-2016 SPDATED SITE PLAN
0 OCT 2-2015 INTEAL SUBMISSION
BEY 8 DATE COMMENS



TREE MANAGEMENT DRAWING
PROJECT: PROPOSED TOWNHOUSE DEVELOPMENT
ADDRESS: 17556 8 17568 575 A VE. SURREY
CULENT: MOSAIC AVENUE DEVELOPMENTS IDD
ACLERIE: 18320 SHEET: 1 OF 1

PLAN NOTE:

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# ARBORTECH CONSULTING a division of:



Ap	pendix	

## TREE PRESERVATION SUMMARY

Project Address: 17555 and 17568 57A Ave Surrey, BC

Consulting Arborist: Nick McMahon

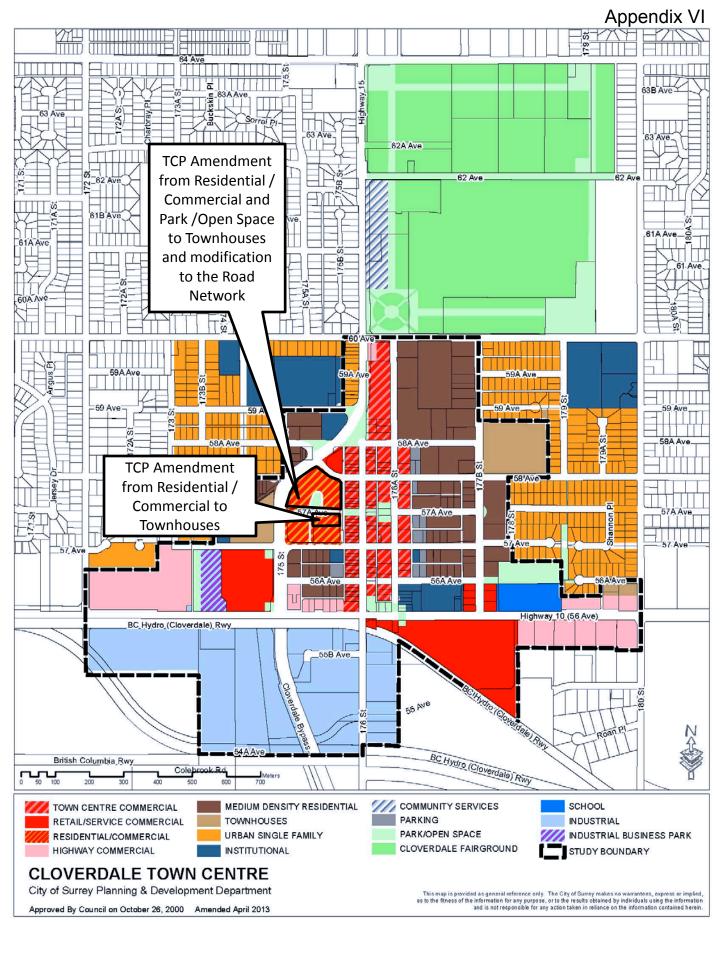
ON-SITE TREES:	QUANTITY OF TREES		
Total Bylaw Protected Trees Identified			42
(on-site and shared trees, including trees within bould streets and lanes, excluding Park and ESA dedication			
Bylaw Protected Trees to be Removed			0
Bylaw Protected Trees to be Retained (excludes trees in Park dedication areas and ESA's)			42
Replacement Trees Required:			
Alder and Cottonwood at 1:1 ratio:	0 times 1 =	0	
All Other Bylaw Protected Trees at 2:1 ratio:	0 times 2 =	0	
TOTAL:			0
Replacement Trees Proposed	NA		
Replacement Trees in Deficit	0		
Protected Trees Retained in Proposed Open Space/	0		

OFF-SITE TREES:			QUANTITY OF TREES
Bylaw Protected Off-Site Trees to be Removed	0		
Replacement Trees Required:			
Alder and Cottonwood at 1:1 ratio:	0 times 1 =	0	
All Other Bylaw Protected Trees at 2:1 ratio:	0 times 2 =	0	
TOTAL:			0
Replacement Trees Proposed	0		
Replacement Trees in Deficit	0		

N/A denotes information "Not Available" at this time.

This summary and the referenced documents are prepared and submitted by:

Nick McMahon, Consulting Arborist Dated: July 28, 2016 Direct: 604 812 2986 Email: nick@aclgroup.ca



#### **CITY OF SURREY**

(the "City")

#### **DEVELOPMENT VARIANCE PERMIT**

NO.:	7916-01	06-00
110	/910 01	00 00

Issued To: CITY OF SURREY

({the Owner{)

Address of Owner: 13450 - 104 Avenue

Surrey, BC V<sub>3</sub>T <sub>1</sub>V8

- 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: 029-295-009 Lot 3 Section 7 Township 8 New Westminster District Plan EPP24658

17568 - 57A Avenue

Parcel Identifier: 029-295-017 Lot 4 Section 7 Township 8 New Westminster District Plan EPP24658

17555 - 57A 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:

Darcol Identifier

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(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:

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- 4. Surrey Zoning Bylaw, 1993, No. 12000, Amendment Bylaw 2011, No. 17464, Amendment Bylaw, 2015, No. 18407 is varied as follows:
  - (a) In Section F Yards and Setbacks, the minimum north yard setback is reduced from 3.0 metres (10 ft.) to 2.2 metres (7 ft.) for proposed Building 11 only;
  - (b) In Section H.4 Off Street Parking, the location of the required off-street parking spaces is varied to permit one unenclosed resident tandem parking space per dwelling unit for a total of fifty-seven (57) dwelling units; and
  - (c) In Section L.8 Other Regulations, the development cost charges for ground-oriented multiple unit residential buildings shall be based on the RM-30 Zone.
- 5. Surrey Zoning By-law, 1993, No. 12000, as amended is varied as follows:
  - (a) In Table C.1 of Part 5 Off-Street Parking and Loading/Unloading, the minimum number of required off-street parking spaces for ground-oriented multiple unit residential dwellings is reduced from the two (2) parking spaces per dwelling unit to one (1) parking space per dwelling unit provided that the dwelling units are less than 84 square metres (900 sq. ft.) in gross floor area, and have one (1) bedroom or less, to a maximum of eight (8) dwelling units.
- 6. This development variance permit applies to only that portion of the buildings and structures on the Land 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.
- 7. The Land shall be developed strictly in accordance with the terms and conditions and provisions of this development variance permit.
- 8. 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.
- 9. The terms of this development variance permit or any amendment to it, are binding on all persons who acquire an interest in the Land.
- 10. This development variance permit is not a building permit.

AUTHORIZING Issued This	G RESOLUTIO Day of	N PASSED BY TH , 20 .	E COUNCIL, THE	DAY OF	, 20 .	
			Mayor – Lind	Mayor – Linda Hepner		
			City Clerk – Ja	ane Sullivan		

