

Report to Committee

Planning and Development Division

To: Planning Committee

From: Wayne Craig Director of Development Date: September 10, 2015

File: RZ 14-670471

Re: Application by Interface Architecture Inc. for Rezoning at 11671 and 11691 Cambie Road from Single Detached (RS1/E) to Low Density Townhouses (RTL4)

Staff Recommendation

That Richmond Zoning Bylaw 8500, Amendment Bylaw 9293, for the rezoning of 11671 and 11691 Cambie Road from "Single Detached (RS1/E)" to "Low Density Townhouses (RTL4)", be introduced and given first reading.

Wayne Craig Director of Development

WC:mp Att.

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Affordable Housing	A	peterle

Staff Report

Origin

Interface Architecture Inc. has applied to the City of Richmond for permission to rezone 11671 and 11691 Cambie Road from "Single Detached (RS1/E)" zone to "Low Density Townhouses (RTL4)" zone in order to develop 21 townhouse units. Single family houses that previously occupied the site have been demolished. A location map is provided in Attachment 1.

Project Description

The two properties, with a total frontage of 43.3 m, are proposed to be consolidated into one development parcel. The proposed 21 townhouse units are distributed in five buildings arranged around a T-shaped internal driveway with access from Mellis Drive. The six units fronting onto Cambie Road will have direct pedestrian access from the street and garage access from the rear, and the units in the interior buildings will have both their front entrances and garages from the internal driveway.

The two buildings along the west property line and the duplex located in the middle of the site along the east property line are two storeys in height. The building fronting onto Cambie Road and the building at the northeast corner are three storeys in height, but both buildings step down to two storeys where it adjoins the existing two-storey house on the west side and the street (i.e., Mellis Drive) to the north. A wider east side yard setback of 8.2 m is provided to the three-storey building at the northeast corner to reduce any potential impacts on the existing townhouse development to the east.

A common outdoor space is proposed in the middle of the site, and five visitor parking spaces are distributed around the site. The development also includes a 3.5m-wide Public Right-of Passage (PROP) statutory right-of-way along the eastern edge of the site to provide a pedestrian link between Mellis Drive and Cambie Road.

A preliminary site plan, building elevations and landscape plan are contained in Attachment 2.

Findings of Fact

A Development Application Data Sheet providing details about the development proposal is provided in Attachment 3.

Surrounding Development

To the North: Across Mellis Drive are single-family homes on lots zoned "Single Detached (RS1/E)".

To the South: Across Cambie Road is a shopping centre on a lot zoned "Community Commercial (CC)".

To the East: A commercial development on a lot zoned "Neighbourhood Commercial (CN)", which is currently occupied by a financial institution, and a 33-unit townhouse development on a lot zoned "Low Density Townhouses (RTL1)" with vehicular access from Mellis Drive.

To the West: To the west are single family homes on lots zoned "Single Detached (RS1/E)". The properties fronting onto Cambie Road are designated "Residential", which may include multiple family housing, and the properties fronting onto Mellis Drive are designated "Residential (Single-Family Only)" in the East Cambie Area Plan (Attachment 4).

Related Policies & Studies

2041 Official Community Plan

The subject properties are designated "Neighbourhood Residential (NRES)" in the 2041 Official Community Plan (OCP), and "Residential", which permits multiple family housing, in the East Cambie Area Plan. The East Cambie Area Plan land use designation permitting multiple family housing encompasses the entire site. The townhouse proposal is consistent with these designations.

Floodplain Management Implementation Strategy

The applicant is required to comply with the requirement of Richmond Flood Plain Designation and Protection Bylaw 8204. A Flood Indemnity Restrictive Covenant is required to be registered on title prior to adoption of the rezoning bylaw.

Townhouse Energy Efficiency and Renewable Energy Policy

The applicant has committed to achieving an EnerGuide Rating System (ERS) score of 82 or higher and providing pre-ducting for solar hot water for the proposed development. A legal agreement specifying all units are to be built and maintained to the ERS82 or higher, and all units are to be solar-hot-water ready is required prior to rezoning bylaw adoption. As part of the Development Permit application process, the developer is also required to retain a Certified Energy Advisor (CEA) to complete an Evaluation Report to confirm details of construction requirements needed to achieve the rating.

OCP Aircraft Noise Sensitive Development (ANSD) Policy

The site is located within Area 4 of the ANSD map, which allows consideration of all new aircraft noise sensitive uses, including townhouses. An Aircraft Noise Sensitive Use Restrictive Covenant is to be registered on title prior to final adoption of the rezoning bylaw. Also, the applicant is to submit a report for indoor noise mitigation and climate control measures as part of the Development Permit application.

Public Input

The applicant has forwarded confirmation that two development signs have been posted on the site. In addition, the applicant distributed notification to 41 adjacent properties (including properties along Mellis Drive and Bargen Drive located outside of the standard 50m notification

area) to seek input on the proposed development, and invite the residents to a public information meeting. The map showing the properties notified of the proposed development is included in Attachment 5.

The public information meeting was held at 7:00 pm on September 9, 2015 at Cambie Community Centre. The meeting was formatted as an open house to allow attendees to walk around the room, read information on display boards with the conceptual development plans and colour illustrations, and ask questions and/or provide comments. The developer, project architect, landscape architect and traffic consultant were in attendance, and Planning staff also attended the meeting to observe and answer questions about the application process.

Two households at 11880 Mellis Drive and 11720 Mellis Drive were represented at the public information meeting. The meeting attendees were generally supportive of the proposed development and appreciated its high quality design and provision of the proposed pedestrian walkway connecting Mellis Drive and Cambie Road. However, there were concerns regarding potential traffic impact in the established single-family neighbourhood to the north and parking spill-over onto Mellis Drive. The meeting attendees also provided written comments, which are attached to this report.

In addition to the written comments from the meeting attendees, two additional written submissions were received; one resident (no address provided, identified himself as a resident in the Mellis neighbourhood) expressing concerns about traffic increase and parking spill-over onto Mellis Drive, and a resident at 3920 Bargen Drive expressing concerns regarding traffic impacts at the Bargen Drive and Cambie Road intersection. (The proposed site access and traffic impacts are discussed in detail in the "Analysis" section of the report.)

A total of five written submissions (two submissions are from the same resident at11720 Mellis Drive) received from residents are included in Attachment 6. Should the rezoning application proceed, a Public Hearing will provide opportunity for additional public input.

Analysis

OCP Compliance

The proposed rezoning is consistent with the 2041 OCP and East Cambie Area Plan land use designations which permit various housing types including townhouses along Cambie Road. Also, the proposed development is generally consistent with the Development Permit Guidelines for multiple-family developments contained in the 2041 OCP.

As identified in the 2041 OCP, a 3.5m-wide public walkway (a 2 m-wide hard-surfaced path with landscaping on both sides) will be provided along the east property line. The proposed walkway would significantly improve the neighbourhood connection by providing a direct pedestrian link from Mellis Drive to Cambie Road.

Transportation and Site Access

Vehicular access is to be from Mellis Drive. Considering potential concerns from residents regarding traffic intrusion in the adjacent area that is predominantly characterized by single

detached homes, the applicant has submitted a Traffic Impact Assessment report prepared by Creative Transportation Solutions Ltd. in support of the proposed access. Based on the data collection and analysis, the consultant has concluded that the traffic impact of the proposed development on the adjacent roads would have a marginal increase in traffic volume over the existing condition.

Transportation staff have accepted that the traffic impacts presented in the report, and support the access from Mellis Drive with a condition that the developer agrees to upgrade traffic signals at the intersection of Bargen Drive and Cambie Road, and to provide a partial cash contribution of \$20,000 for future provision of Accessible Pedestrian Signal (APS) and illuminated street signs at the intersection of Cambie Road and No.5 Road.

As part of the off-site roadworks to be secured through a Servicing Agreement (SA), the north leg of Bargen Drive at Cambie Road will be upgraded to include vehicle detection devices, which will allow the existing pedestrian signal to transition to a red light on Cambie Road when a vehicle on Bargen Drive is waiting at the intersection.

Staff support the proposed access from Mellis Drive based on the following:

- The Traffic Impact Assessment demonstrates that the impacts of the proposed development would be manageable.
- Traffic signal upgrades will be provided at the Cambie Road and Bargen Drive intersection, and the developer has also agreed to provide a cash contribution for future improvements at the intersection of Cambie Road and No.5 Road as a condition of rezoning approval.
- The traffic signal upgrades at the intersection of Cambie Road and Bargen Drive will improve traffic circulation for area residents that exit the neighbourhood via this intersection.
- The pedestrian walkway will encourage walking by improving connectivity and access to the neighbourhood and help reduce the reliance on private vehicles for short trips.
- Allowing access from Mellis Drive will limit driveway access that would impede through-traffic flow on the major road (i.e., Cambie Road) and help reduce conflicts between vehicular and pedestrian movements.
- A pedestrian-friendly streetscape can be achieved by avoiding vehicular access from Cambie Road.
- The Mellis Drive access will allow full movement access to/from the site for convenience of future residents.

Transportation staff have noted that, should Council wish to pursue access from Cambie Road, the site design could be adjusted through the DP process. If access to Cambie Road is to be accommodated, design features will need to be incorporated to limit turning movements at the site access to right-in and right-out only due to its proximity to the No.5 Road and Cambie Road intersection. As well, a restrictive covenant limiting turning movements may need to be required to be registered on title.

Public Right-of-Passage (PROP)

A Public Right-of-Passage (PROP) statutory right-of-way over the internal driveway will be secured prior to final adoption of the rezoning bylaw to provide an access option from Mellis Drive for a future development to the west along Cambie Road. Should the City receive a development application for the adjacent sites to the west, access to the future development will be assessed by staff at the time of application.

Site Servicing and Frontage Improvements

Prior to final adoption of the rezoning bylaw, the developer is required to enter into a SA for the design and construction of required frontage improvements on Cambie Road and Mellis Drive including new sidewalk and treed boulevard as well as any traffic signal modifications, utility relocations or upgrades. The SA will also include the design of construction of the pedestrian walkway including installation of way-finding signage, and a 2 m road dedication required along the entire Cambie frontage for future road widening.

Existing Legal Encumbrance

A statutory right-of-way (registration number RD32263) for sanitary sewer runs east-west across the subject site. No permanent structure will be allowed on the right-of-way.

Tree Retention and Replacement

A Tree Survey and a Certified Arborist's Report were submitted in support of the application. The City's Tree Preservation Coordinator has reviewed the Arborist Report and provided the following comments:

- Seven (7) trees located on the development site are all in poor condition and have been previously topped or exhibit structural defects such as cavities at the main branch union and co-dominant stems with inclusions. As a result, these trees are not good candidates for retention and should be replaced.
- Nine (9) trees located on neighbouring properties are to be retained and protected as per Arborist report specifications.

Based on the 2:1 tree replacement ratio goal stated in the OCP, 14 replacement trees are required for the removal of 7 trees. According to the preliminary landscape plan, the developer is proposing to plant over 20 new trees on-site. The size and species of replacement trees and a detailed landscape design will be reviewed at the Development Permit stage.

Tree protection fencing has been installed to City standards prior to the demolition of the houses that previously occupied the site in order to ensure the trees on the neighbouring properties are protected. The tree protection plan is included in Attachment 7. Prior to final adoption of the rezoning bylaw, proof that the owner has entered into a contract with a Certified Arborist to monitor all works to be done near or within the tree protection zones will be required.

Requested Variances

The proposed development is generally in compliance with the "Low Density Townhouses (RTL4)" zone other than the variances noted below. Based on the review of the current plans for the project, the following variances are being requested:

- Reduce the front yard setback (Mellis Drive) from 6.0 m to 4.5 m.
- Reduce the rear yard setback (Cambie Road) from 6.0 m to 4.5 m.

Staff support the requested variances recognizing that a wider side yard setback is provided on the east side to accommodate the pedestrian walkway, and a 2 m road dedication is required along the entire Cambie Road frontage. These variances will be reviewed in the context of the overall detailed design of the project, including architectural form, site design and landscaping at the Development Permit stage.

Affordable Housing Strategy

Consistent with the Affordable Housing Strategy, the applicant has agreed to make a cash contribution to the Affordable Housing Reserve Fund at \$2.00 per buildable square foot for a contribution of \$48,534.40.

Public Art

The applicant has agreed to provide a voluntary contribution in the amount of \$0.77 per buildable square foot (2014 rate) to the City's Public Art Fund. The amount of the contribution would be \$18,685.70.

Indoor Amenity Space

The applicant is proposing a contribution in-lieu of on-site indoor amenity space in the amount of \$23,000 as per the OCP and Council Policy.

Outdoor Amenity Space

Outdoor amenity space will be provided on-site. Based on the preliminary design, the size of the proposed outdoor amenity space meets the Official Community Plan (OCP) requirement of 6 m^2 per unit. Staff will work with the applicant at the Development Permit stage to ensure the configuration and design of the outdoor amenity space meets the Development Permit Guidelines in the 2041 OCP.

Design Review and Future Development Permit Considerations

A Development Permit will be required to ensure that the proposed development is sensitively integrated with adjacent developments. The rezoning conditions will not be considered satisfied until a Development Permit application is processed to a satisfactory level. In association with the Development Permit, the following issues will be further examined in relation to the site.

• Compliance with Development Permit Guidelines for multiple-family developments contained in Section 14 of the 2041 OCP

- Refinement of building form and architectural character
- Provision of a convertible unit and design of other accessibility/aging-in-place features
- Details of the proposed sustainability features
- Landscaping and open space design: enhancement of the outdoor amenity area, Cambie Road and Mellis Drive frontages.
- Design details of the pedestrian walkway, including paving material, lighting, fencing and planting
- Opportunities to maximize permeable surface areas and better articulate hard surface treatment
- Use of Crime Prevention Through Environmental Design (CPTED) to minimize opportunities for crime and promote a sense of security

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

Financial Impact or Economic Impact

None

Conclusion

The proposed 21-unit townhouse development is consistent with the 2041 Official Community Plan and East Cambie Area Plan land use designations. Further design review will be conducted as part of the Development Permit application process to ensure a high quality project and consistency with the Development Permit Area guidelines.

It is recommended that Zoning Bylaw 8500, Amendment Bylaw 9293 be introduced and given first reading.

Minhee Park Planner 1

MP:cas

Attachment 1: Location Map

Attachment 2: Conceptual Development Plans

Attachment 3: Development Application Data Sheet

Attachment 4: East Cambie Area Plan Land Use Map

Attachment 5: Public Information Meeting Notification Area

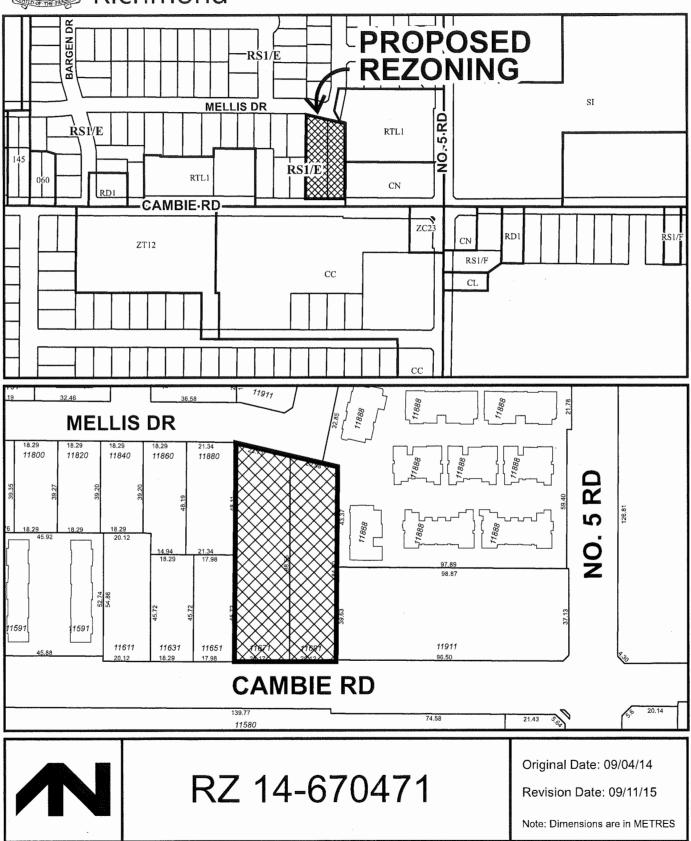
Attachment 6: Comments from Residents

Attachment 7: Tree Management Plan

Attachment 8: Rezoning Considerations



City of Richmond





City of Richmond





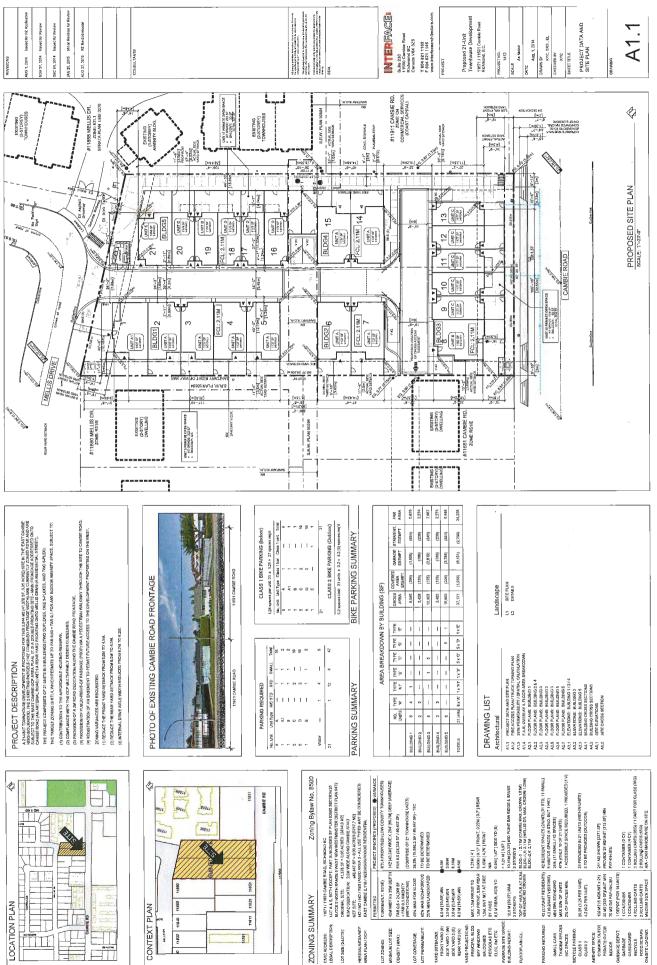
RZ 14-670471

Original Date: 09/04/14

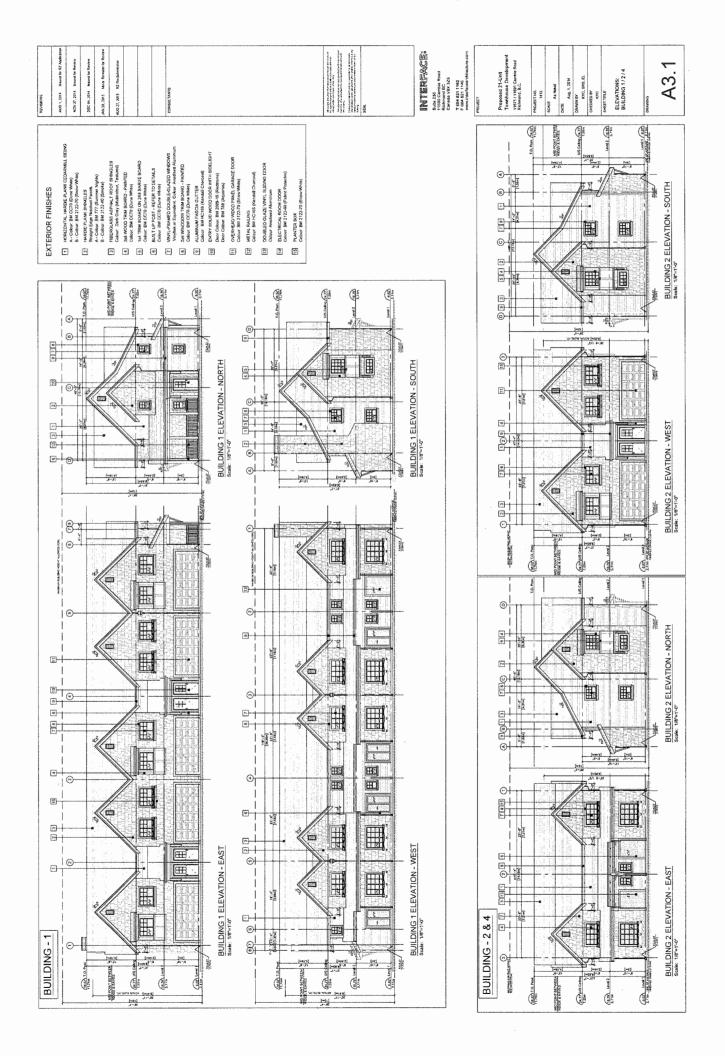
Revision Date:

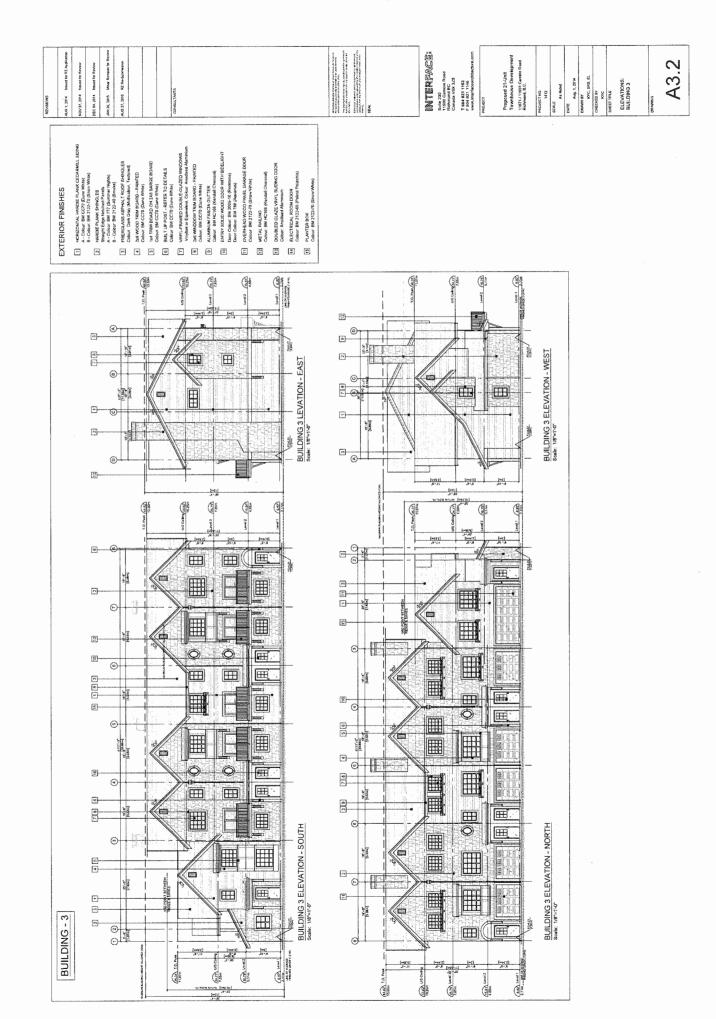
Note: Dimensions are in METRES

ATTACHMENT 2

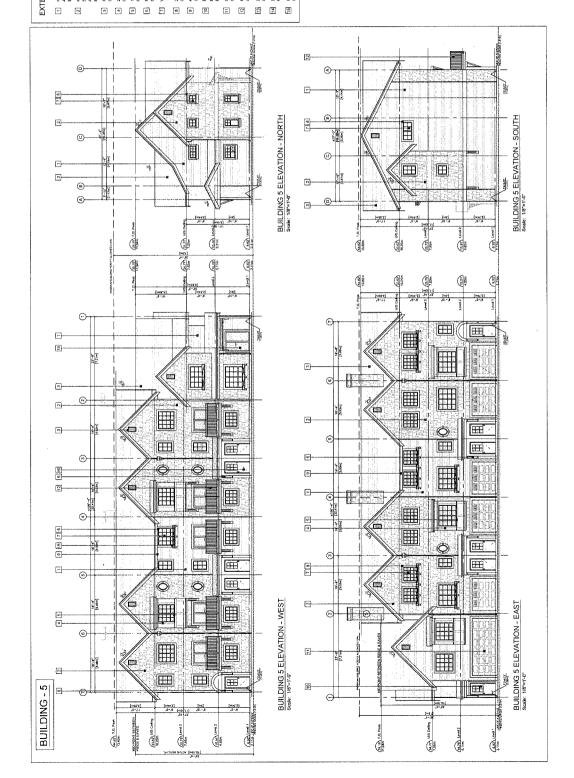


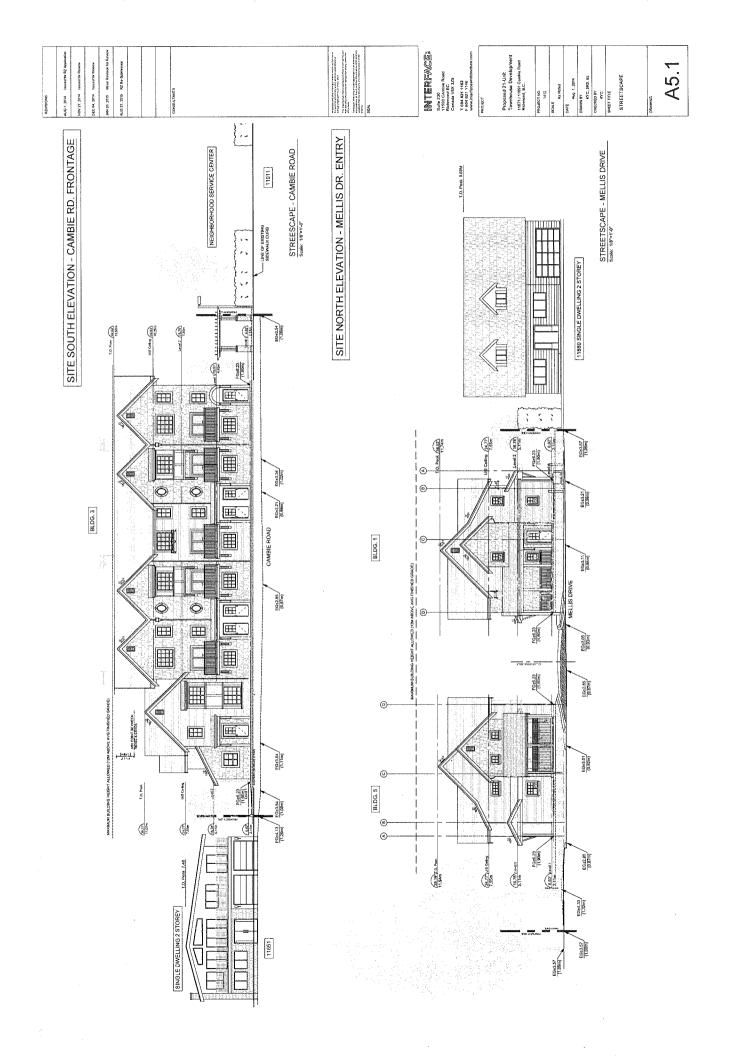
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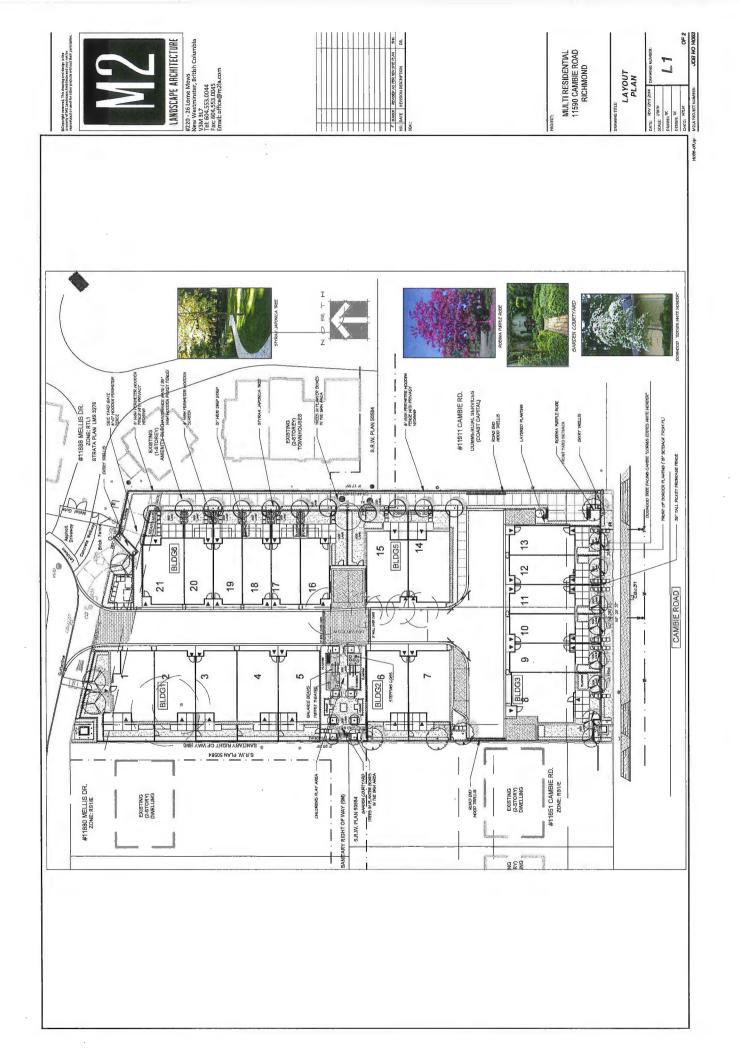




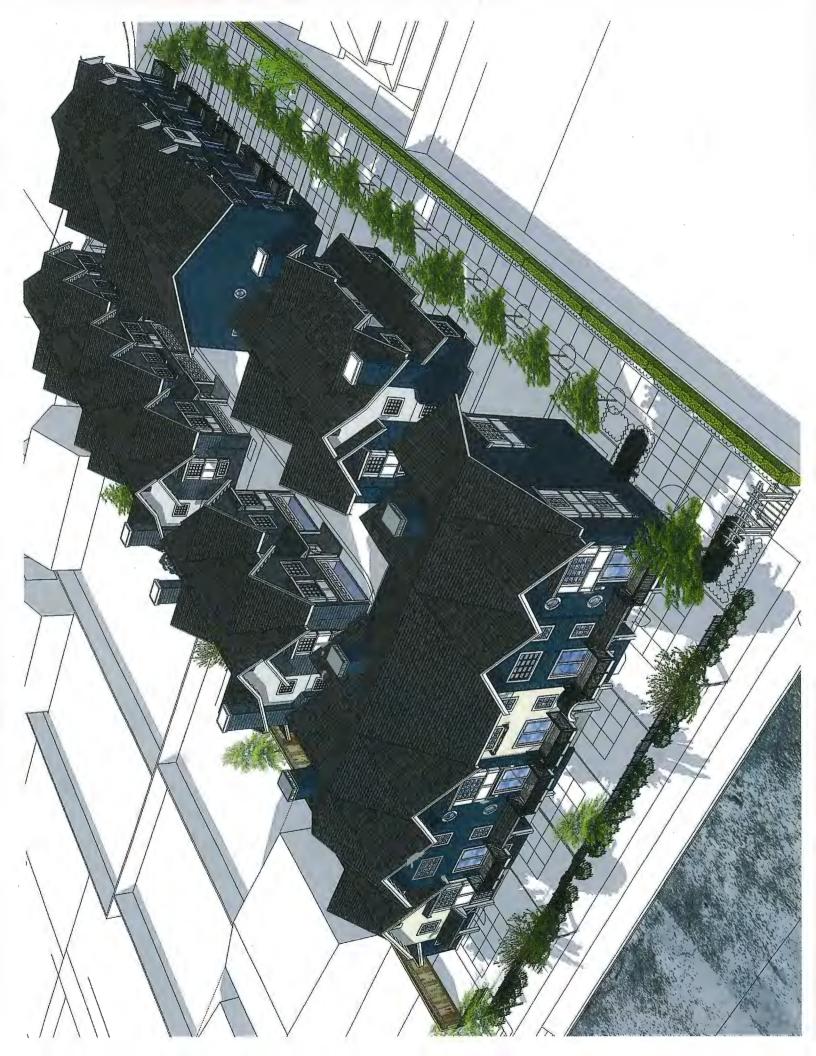














Development Application Data Sheet

Development Applications Division

RZ 14-670471

Attachment 3

Address: 11671 and 11691 Cambie Road

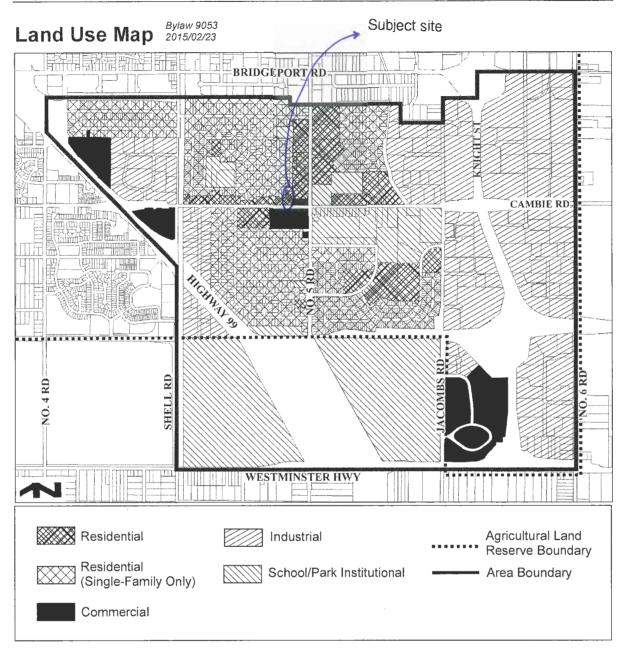
Applicant: Interface Architecture Inc.

Planning Area(s): East Cambie

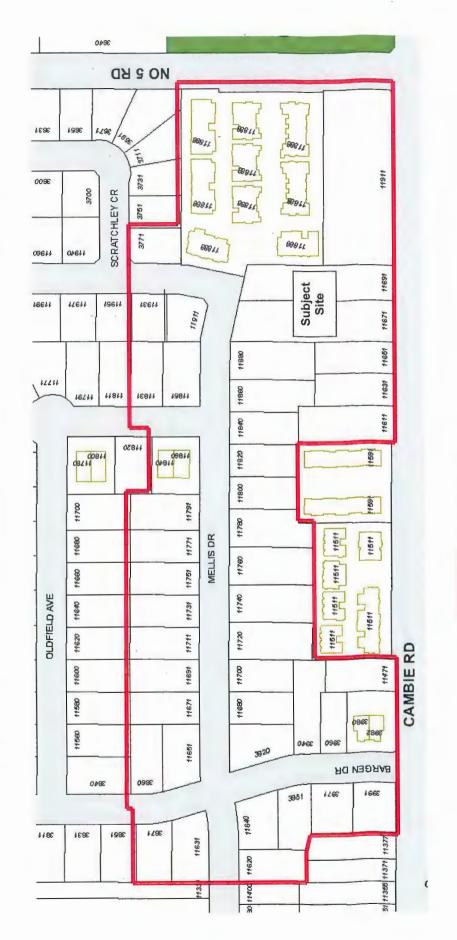
	Existing	Proposed
Owner:	11691 Cambie: John Josef Lewisch & Cora May Lewisch 11671 Cambie: Carol Jacqueline Lees & Terry Anne Neithercut	
Land Uses:	Single Family Residential	Multi-family Residential
OCP Designation:	Neighbourhood Residential	No Change
Area Plan Designation:	Residential	No Change
Zoning:	Single Detached (RS1/E)	Low Density Townhouses (RTL4)
Number of Units:	2	21
Lot Size:	3,844 m ²	3,757.4 m² (after 2m road dedication)

	Bylaw Requirement	Proposed	Variance
Floor Area Ratio:	Max. 0.6	0.6	none permitted
Lot Coverage – Building:	Max. 40%	38.5 %	none
Setback – Front Yard (m):	Min. 6 m	Min. 4.5 m	Variance requested
Setback – West Side Yard (m):	Min. 3 m	Min. 3.5 m	none
Setback – East Side Yard (m):	Min. 3 m	Min. 7 m	none
Setback – Rear Yard (m)	Min. 6 m	Min. 4.5 m	Variance Requested
Height (m):	Max. 12 m (3 storeys)	Max. 11.5 m (3 storeys)	none
Off-street Parking Spaces – Regular (R) / Visitor (V):	2 (R) and 0.2 (V) per unit	2 (R) and 0.2 (V) per unit	none
Off-street Parking Spaces – Total:	47	47	none
Tandem Parking Spaces:	Max. 50% (10 spaces)	10 spaces	none
Small Car Parking Spaces	Max. 50% (23 spaces)	11 spaces	none
Handicapped Parking Spaces	Min. 2% (1 space)	1 space	none
Amenity Space – Indoor:	Min. 70 m ² or cash-in-lieu	Cash-in-lieu	none
Amenity Space – Outdoor:	Min. 6 m ² x 21 units = 126 m ²	211 m ²	none

City of Richmond



September 9, 2015 Public Information Meeting Notification Area for RZ14-670471



ATTACHMENT 5

Notification Area

Park, Minhee

From: Sent: To: Subject:	Peter Thackwray [pthackwray@gmail.com] Wednesday, 08 April 2015 8:34 AM Park, Minhee File No. RZ 14-670471 #230 - 11590 Cambie Road re-development plans	
Categories:	Follow up	

To Minhee Park,

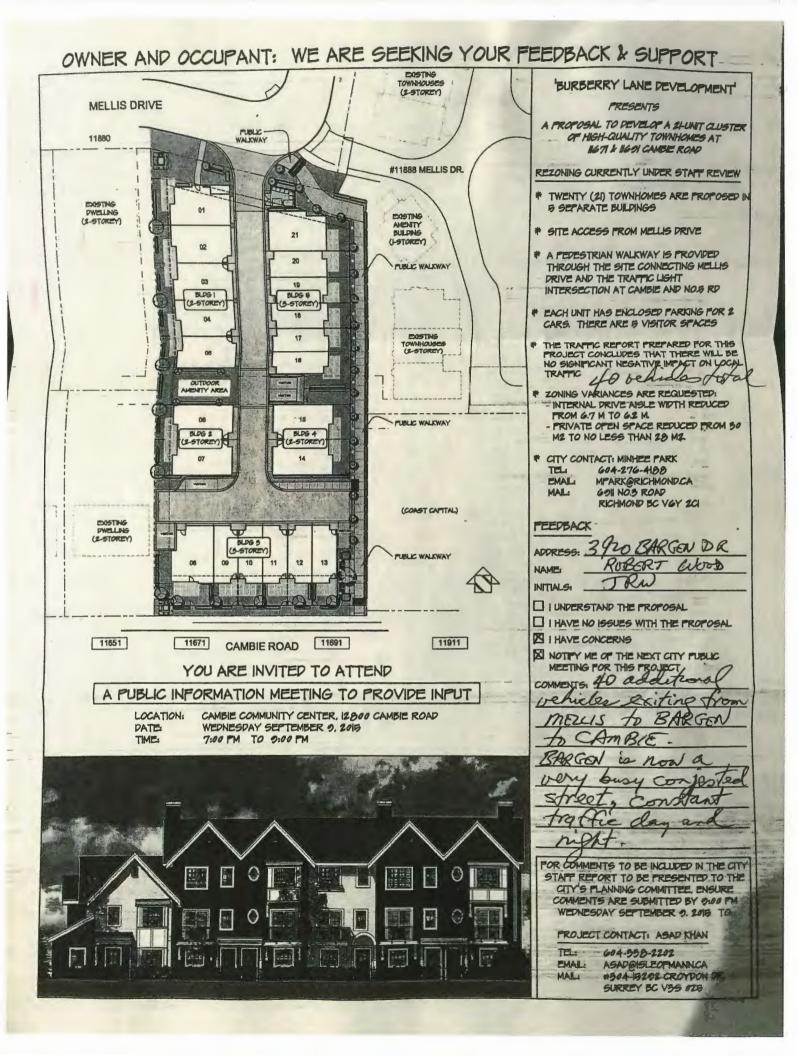
With regards to the City of Richmond plans for re-development from Interface Architecture Inc. for #230-11590 Cambie Road. Based on plans I have seen for this development, which appears to include over 20 units (up to 35 in additional phases), the plans seem to indicate the access to this complex will be from Mellis Drive. As a resident in the Mellis neighbourhood this would create significant traffic concerns. With a 30+ townhouse complex in the south-east corner of Mellis Drive already creating street parking issues along with entry and exit traffic issues from this neighbourhood during significant periods of the day (particularly at Bargen & Cambie) we could not possibly absorb a complex with the requested size and design in that same corner of Mellis Drive. If this complex were to go ahead, it would have to be restricted to Cambie Road for its driveway access. Mellis is already overtaxed in this corner and based on the plans we should expect the parking situation to become impossible, and the many additional vehicles trying to exit this neighbourhood (onto No.5 Road, Cambie, or Shell) would create traffic jams that would be unbearable.

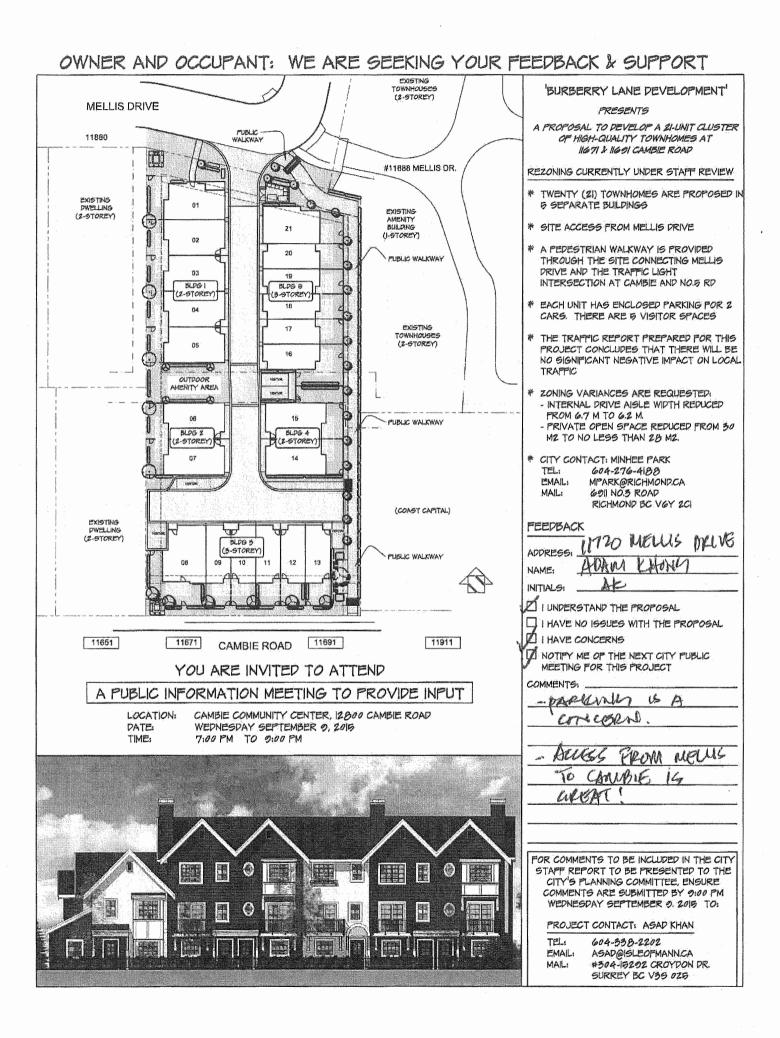
If the building of this complex must go ahead, the only reasonable option would be for the road access to be limited to the four lane Cambie Road *only*. Mellis Drive and this neighbourhood would otherwise become a compete traffic jam, which would be undesirable for the residents and the city. By adding all these vehicles and creating even more traffic in this area, there would be concerns for pedestrians, and children who have to walk through this residential area to get to school (Mitchell Elementary, McNeely Elementary, and Cambie Secondary).

Please reply to confirm to have received this email.

Thank you.

Peter Thackwray





September 10, 2015

Emailed to: mpark@richmond.ca

Minhee Parks, Planner

City of Richmond 6911 No. 3 Road Richmond, BC V6Y 2C1

Dear Minhee Park,

FEEDBACK RE: PROPOSED REZONING OF 11671 & 11691 CAMBIE ROAD "BURBERRY LANE DEVELOPMENT'

I attended the public information last night hosted by Isle of Mann for a proposal to rezone 11671 & 11691 Cambie Road. I live on Mellis Drive just a few houses down from this development. I am excited about the project and feel the proposed 21 unit townhouse development will greatly improve the former lands. I understand the City OCP currently allows townhouse developments along Cambie Road so it makes sense to permit rezoning of these lands.

The following items were raised at the meeting and I believe the city and developer will address these issues as the project progresses through the approval/consultation process:

- A well lit public walkway from Mellis Drive to Cambie Road is a great idea and will help alleviate pedestrian traffic at Bargen Drive and Cambie Road.
- Concerns over street parking along Mellis Drive and if number of visitor parking stalls proposed is sufficient. I believe 12 of the 21 unit townhouses will have enclosed double side-by-side parking and only 9 units will have tandem parking. Future strata bylaws will restrict the conversion of any enclosed parking space into dwelling space.
- The proposed zoning variance presented at the meeting was different than what was noted in the handout.
- Consideration will be given to upgrade the pedestrian crosswalk signal at Bargen Drive and Cambie Road by the city. This signal does not work with current traffic patterns.
- The proposed architectural style of development fits within the overall form and character of the neighbourhood and project scale feels right. There will be further opportunities during the design development stage to comment on this further.

Overall, the proposed development looks promising and the developer appears to have an excellent track record with delivering quality and sustainable projects. I support this project based on what I see today and look forward to the next city public meeting.

Sincerely,

Adam Khong 11720 Mellis Drive Richmond, BC V6X 1M1

Park, Minhee

From: Sent: To: Cc: Subject: Isabel Humphreys [isabel.humphreys@univarcanada.com] Thursday, 10 September 2015 10:49 AM Park, Minhee isabelha47@gmail.com Feedback - Burberry Lane Development

Concerns regarding the current proposal for "Burberry Lane" development:

Parking

Each proposed unit has enclosed parking for two cars, however at least 9 of the units have tandem parking. Tandem parking will result in owners seeking a parking alternative – most likely on the street outside – which is Mellis Drive. As you can see in the photo below, the houses on Mellis Drive – which have ample parking with double driveways – are now swamped with parked cars from the existing townhouse complex at 11880 Mellis Drive:



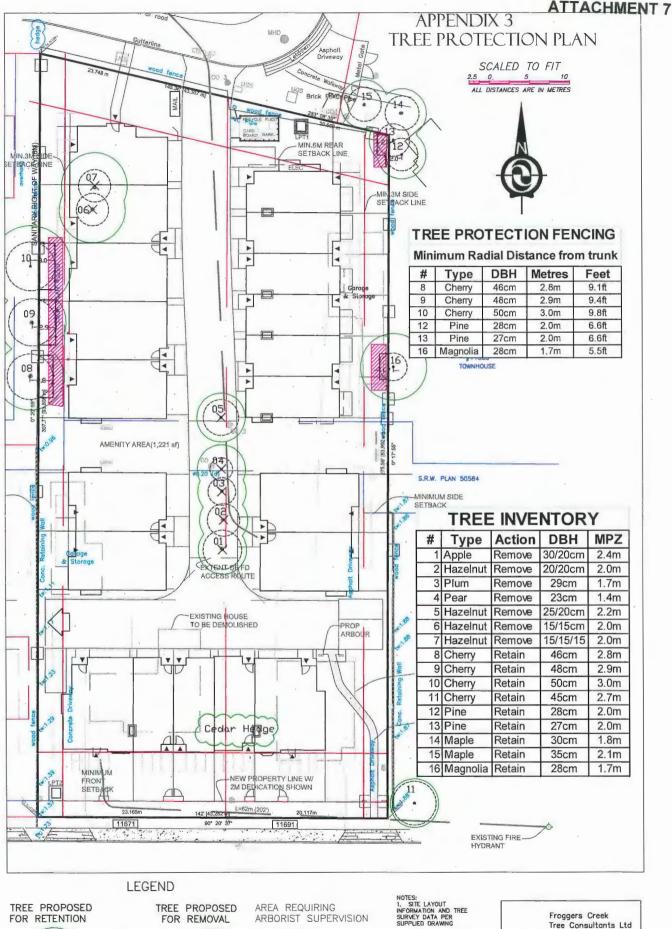
Mellis Drive was never designed for cars parked both sides of the street – it is too narrow. The City installed some "No Parking" signs after multiple accidents in the "L" bend.

The "Burberry Lane" proposal includes 5 visitor spaces. I believe this needs to be increased.

Thanks for your consideration

Bryan and Isabel Alexander 11880 Mellis Drive Richmond BC V6X 1M1 604-273-7962

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CANOPY

IN METRES

FENCING

(MPZ)

PROTECTION ZONE

FENCING DIMENSIONS

05 ×

12

Page7

Froggers Creek Tree Consultants Ltd 7763 McGregor Avenue Burnaby BC VSJ 4H4 Telephane: 604-721-6002 Fax: 604-437-0970

2. REFER TO ATTACHED TREE PROTECTION REPORT FOR INFORMATION CONCERNING TREE SPECIES, STEM DIAMETER, HEIGHT, CANOPY SPREAD AND CONDITION.

3. ALL MEASUREMENTS

Telephone: 504–721–5002 Fax: 604–437–0970 1671 and 11691 Camble Road Richmond BC

THEY DAIL THEY COMMON TOOL NUMMARIA THE PROTECTION DRAMMAC THE DRAWING PLOTS ALL TREES, PROPOSED FOR RETENTION, PROVING THEY CANOPIES, PROTECTION ZONES AND PROTECTION FENCING IN RELATION TO PROPOSED LAYOUT December 21, 2014



Rezoning Considerations

Development Applications Division 6911 No. 3 Road, Richmond, BC V6Y 2C1

Address: 11671 and 11691 Cambie Road

File No.: RZ 14-670471

Prior to final adoption of Richmond Zoning Bylaw 8500, Amendment Bylaw 9293, the developer is required to complete the following:

- 1. 2 m road dedication along the entire Cambie frontage.
- 2. Consolidation of all the lots into one development parcel.
- 3. Registration of a cross-access easement, statutory right-of-way, and/or other legal agreements or measures, as determined to the satisfaction of the Director of Development, over the full width and extent of the internal drive-aisle in favour of future residential developments to the west to allow future access from the subject property. Language should be included in the SRW document that the City will not be responsible for maintenance or liability within the SRW and that utility SRW under the drive aisle is not required.
- 4. Registration of a 3.5 metre wide Public Right-of-Passage (PROP) statutory right-of-way along the entire eastern edge of the site for access for a pedestrian walkway, including installation of way-finding signage on the subject property. The City would assume maintenance and liability for hard surfaces and the owner would assume maintenance and liability of soft landscaping.
- 5. Submission of a Contract entered into between the applicant and a Certified Arborist for supervision of any on-site works conducted within the tree protection zone of the trees located on the neighbouring properties to be retained. The Contract should include the scope of work to be undertaken, including: the proposed number of site monitoring inspections, and a provision for the Arborist to submit a post-construction assessment report to the City for review.
- 6. Registration of a Flood Indemnity Covenant on title.
- 7. Registration of an Aircraft Noise Sensitive Use Restrictive Covenant on title.
- 8. City acceptance of the developer's offer to voluntarily contribute \$0.77 per buildable square foot (e.g. \$18,685.7) to the City's public art fund.
- 9. City acceptance of the developer's offer to voluntarily contribute \$2.00 per buildable square foot (e.g. \$48,534.4) to the City's affordable housing fund.
- 10. Contribution of \$23,000 in-lieu of on-site indoor amenity space.
- 11. Registration of a legal agreement on title prohibiting the conversion of the tandem parking area into habitable space.
- 12. Registration of a legal agreement on title identifying that the proposed development must be designed and constructed to meet or exceed EnerGuide 82 criteria for energy efficiency and that all dwellings are pre-ducted for solar hot water heating.
- 13. Enter into a Servicing Agreement* for the design and construction of engineering infrastructure improvements. Works include, but may not be limited to:

Cambie Road Frontage Improvements

a) Along the Cambie Road frontage, a minimum 1.5m wide new concrete sidewalk at the new property line and a minimum of 1.5m treed/landscape boulevard

Intersection of Bargen Drive and Cambie Road

- a) Installation of side street detection and count-down timer
- b) All civil, utility and traffic signal modifications required due to this development are sole responsibility of the developer including but not limited to:
 - Traffic pole/base relocations
 - Hydro pole relocation and other utility relocation
 - Junction box/conduit relocations
 - Associated traffic signal cable/conductors and vehicle detector loops.
 - Signal head additions or modifications

- Pavement markings and signage, including yellow truncated dome tactile warning strips
- Traffic signal modification design drawings (to be identified during the SA process) the design of the intersection is to be the TAC standard for intersection design.

Intersection of Cambie Road and No. 5 Road

a) Contribution of \$20,000 related to provision of Accessible Pedestrian Signal (APS) and illuminated street signs

Mellis Drive Frontage Improvements

- a) Along the Mellis Drive frontage, a minimum 1.5m wide new concrete sidewalk at the new property line and a minimum of 1.5m treed/landscape boulevard. Road pavement modification and existing curb alignment works may be required to smooth out the roadway near the vicinity of the site. Additional signage and pavement marking may be required.
- b) SA should demonstrate two SU9 trucks passing simultaneously in opposing directions, with adequate clearance eastbound to northbound on Mellis Drive.

Water Works

- a) Using the OCP Model, there is 144 L/s of water available at a 20 psi residual at the Cambie Road frontage, and 199 L/s of water available at a 20 psi residual at the Mellis Drive frontage. Based on the proposed development, thesite requires a minimum fire flow of 220 L/s. Upgrade to the frontage water main along Mellis Dr and Cambie Road may be required. Or alternatively, the developer should submit fire flow calculations signed and sealed by a professional engineer based on the Fire Underwriter Survey (FUS) or International Organization for Standardization (ISO) to confirm that there is adequate available flow for onsite fire protection without upgrading the existing frontage water main.
- b) The two existing water service connections along the Cambie Road frontage are to be disconnected. Site water service to tie-in to Mellis Drive. Details to be finalized in the Servicing Agreement designs.

Storm Sewer Works

- a) Replace the existing storm manhole SMH2425 (fronting of 11911 Cambie Road) with a 1200mm diameter, and upgrade the frontage storm sewer main to 600mm diameter from SMH2425 to another new 1200mm diameter manhole at the west PL. Details to be finalized in the Servicing Agreement designs.
- b) Site storm drainage is to be directed towards Cambie Road, and one of the exiting tie-in points at Cambie Road is to be utilized for service connection; all other service connections are to be abandoned and/or removed at developer's cost. Details to be finalized in the Servicing Agreement designs.
- c) There is a shared IC with 11911 Cambie Road in the SE corner; the developer is required to confirm if 11911 Cambie Road is utilizing this IC. If yes, cap the west connection at IC and maintain the service to 11911 Cambie Road; if no, remove the IC and connections altogether as mentioned in item b.

Sanitary Sewer Works

- a) No upgrade is required to the sanitary sewer mains.
- b) The existing sanitary ICs and connections in the SROW are to be removed. Site sanitary service to tie-in to a new manhole on Mellis Drive at the west property line. Details to be finalized in the Servicing Agreement designs.

Private Utilities

a) Developer is responsible for under-grounding of the property's electrical and telecommunication services along Cambie Road and Mellis Drive. The developer shall provide private utility companies with the required rights-ofways for their equipment (e.g. Vista, PMT, LPT, SAC Pad, kiosks, etc.) and/or to accommodate the future undergrounding of the overhead lines. These equipments must be located on private property and not within the City's SROWs or Public Rights of Passage and not impact public amenities such as sidewalks, boulevards and bike paths. The developer is responsible for coordination with private utility companies.

General Items

a) Additional legal agreements, as determined via the subject development's Servicing Agreement(s) and/or Development Permit(s), and/or Building Permit(s) to the satisfaction of the Director of Engineering may be required, including, but not limited to, site investigation, testing, monitoring, site preparation, de-watering, drilling, underpinning, anchoring, shoring, piling, pre-loading, ground densification or other activities that may result in settlement, displacement, subsidence, damage or nuisance to City and private utility infrastructure.

14. The submission and processing of a Development Permit* completed to a level deemed acceptable by the Director of Development.

Prior to a Development Permit^{*} being forwarded to the Development Permit Panel for consideration, the developer is required to:

 Complete an acoustical and thermal report and recommendations prepared by an appropriate registered professional, which demonstrates that the interior noise levels and noise mitigation standards comply with the City's Official Community Plan and Noise Bylaw requirements. The standard required for air conditioning systems and their alternatives (e.g. ground source heat pumps, heat exchangers and acoustic ducting) is the ASHRAE 55-2004 "Thermal Environmental Conditions for Human Occupancy" standard and subsequent updates as they may occur. Maximum interior noise levels (decibels) within the dwelling units must achieve CMHC standards follows:

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

2. Complete a proposed townhouse energy efficiency report and recommendations prepared by a Certified Energy Advisor which demonstrates how the proposed construction will meet or exceed the required townhouse energy efficiency standards (EnerGuide 82 or better), in compliance with the City's Official Community Plan.

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

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

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

- 1. Incorporation of accessibility measures in Building Permit (BP) plans as determined via the Rezoning and/or Development Permit processes.
- Submission of a Construction Parking and Traffic Management Plan to the Transportation Department. Management
 Plan shall include location for parking for services, deliveries, workers, loading, application for any lane closures, and
 proper construction traffic controls as per Traffic Control Manual for works on Roadways (by Ministry of
 Transportation) and MMCD Traffic Regulation Section 01570.
- 3. Obtain a Building Permit (BP) for any construction hoarding. If construction hoarding is required to temporarily occupy a public street, the air space above a public street, or any part thereof, additional City approvals and associated fees may be required as part of the Building Permit. For additional information, contact the Building Approvals Department at 604-276-4285.

Note:

- * This requires a separate application.
- Where the Director of Development deems appropriate, the preceding agreements are to be drawn not only as personal covenants of the property owner but also as covenants pursuant to Section 219 of the Land Title Act.

All agreements to be registered in the Land Title Office shall have priority over all such liens, charges and encumbrances as is considered advisable by the Director of Development. All agreements to be registered in the Land Title Office shall, unless the Director of Development determines otherwise, be fully registered in the Land Title Office prior to enactment of the appropriate bylaw.

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

• Additional legal agreements, as determined via the subject development's Servicing Agreement(s) and/or Development Permit(s), and/or Building Permit(s) to the satisfaction of the Director of Engineering may be required including, but not limited to, site investigation, testing, monitoring, site preparation, de-watering, drilling, underpinning, anchoring, shoring, piling, pre-loading,

Initial:

ground densification or other activities that may result in settlement, displacement, subsidence, damage or nuisance to City and private utility infrastructure.

• Applicants for all City Permits are required to comply at all times with the conditions of the Provincial *Wildlife Act* and Federal *Migratory Birds Convention Act*, which contain prohibitions on the removal or disturbance of both birds and their nests. Issuance of Municipal permits does not give an individual authority to contravene these legislations. The City of Richmond recommends that where significant trees or vegetation exists on site, the services of a Qualified Environmental Professional (QEP) be secured to perform a survey and ensure that development activities are in compliance with all relevant legislation.

Signed

Date

CITY OF

RICHMOND APPROVED by

APPROVED

by Director or Solicitor

M



Richmond Zoning Bylaw 8500 Amendment Bylaw 9293 (RZ 14-670471) 11671 and 11691 Cambie Road

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

1. The Zoning Map of the City of Richmond, which accompanies and forms part of Richmond Zoning Bylaw 8500, is amended by repealing the existing zoning designation of the following area and by designating it **"LOW DENSITY TOWNHOUSES (RTL4)".**

P.I.D. 000-527-360 Lot B Except: Part Subdivided by Plan 83682, Section 25 Block 5 North Range 6 West New Westminster District Plan 9472

and

P.I.D. 011-397-781 Lot A Except: Part Subdivided by Plan 83682, Section 25 Block 5 North Range 6 West New Westminster District Plan 9472

2. This Bylaw may be cited as "Richmond Zoning Bylaw 8500, Amendment Bylaw 9293".

FIRST READING

A PUBLIC HEARING WAS HELD ON

SECOND READING

THIRD READING

OTHER CONDITIONS SATISFIED

ADOPTED

MAYOR

CORPORATE OFFICER