

# Report to **Development Permit Panel**

To:

Development Permit Panel

Date:

March 1, 2010

From:

Brian J. Jackson, MCIP

File:

DP 08-429887

Director of Development

Re:

Application by Orion Estates Ltd. for a Development Permit at 7140 Railway

Avenue

#### Staff Recommendation

That a Development Permit be issued which would:

- 1. Permit the construction of 12 town houses at 7140 Railway Avenue on a site zoned "Town Housing (ZT23) - Laurelwood"; and
- 2. Vary the provisions of Richmond Zoning Bylaw 8500 to:
  - a) Reduce the Minimum Public Road Setback from 6 m to 4.5 m and to 4.0 m at the west corner of the northern building for the open porch and second floor open balcony.
  - b) Permit 45% small car parking spaces (12 small car spaces of 27 total parking spaces).

Brian J. Jackson, MCIP Director of Development

BJJ:sb Att.

#### **Staff Report**

#### Origin

Orion Estates Ltd. has applied to the City of Richmond for permission to develop 12 town houses at 7140 Railway Avenue on a site zoned "Town Housing (ZT23) – Laurelwood". The site currently contains a single-family home.

The site is being rezoned from "Single-Detached (RS1/E) to "Town Housing (ZT23) — Laurelwood" for this project under Bylaw 8343 (RZ 07-361266). The Bylaw also amends the zoning district to reduce the minimum lot size.

The zoning district names have changed as the rezoning application was submitted under the former Zoning & Development Bylaw No. 5300 to rezone the site from "Single-Family Housing District, Subdivision Area E (R1/E)" to "Comprehensive Development District (CD/54)". The architect has also changed from Zebroski Associates Ltd. Architect to Patrick Cotter Architect Inc.

A Servicing Agreement (SA 09-483426) for frontage improvements, establishment of a public path, lane upgrade, watermain and storm sewer upgrade was secured through the rezoning.

#### **Development Information**

Please refer to attached Development Application Data Sheet (Attachment 1) for a comparison of the proposed development data with the relevant Bylaw requirements.

#### Background

The Blundell Area and Laurelwood Sub-Area lot is located at the curve of the major arterials Granville Avenue and Railway Avenue. Roughly, the northern half of the triangular lot is included in the Laurelwood Sub-Area Plan. Development surrounding the lot includes:

- To the north, across Granville Avenue, is Burnett High School, zoned "School and Institutional Use (SI)". Neighbouring the high school site is Thompson Community Centre and Blair Elementary;
- To the east, is a 155-unit town house development fronting onto Lynwood Road and a vacant City-owned lot at 7117 Lindsay Road, both zoned "Town Housing (ZT23) Laurelwood". Across the rear lane are single-family homes, under Land Use Contract (LUC 033);
- To the south, are single-family homes, under Land Use Contract (LUC 050) and zoned "Single-Detached (RS1/E)"; and
- To the west, across Railway Avenue is the unused CPR rail right-of-way, and across McCallan Road, strata-titled duplexes and single-family homes, zoned "Two-Unit Dwellings (RD1)" and "Single-Detached (RS1/E)".

#### Rezoning and Public Hearing Results

During the rezoning process, staff identified the following design issues to be resolved at the Development Permit stage [response included in 'bold italics']:

- Detailed review of building form and architectural character. Design development is needed throughout the project to provide articulation, harmonize proportions, rationalize garage design, and emphasize pedestrian orientation – Design substantially improved through the project redesign process with the new architect.
- Careful detailing of the building and front yard area adjacent to the Oak tree which is to be
  protected and retained in the boulevard. As noted previously, Parks Department staff is
  concerned about compounded impact of construction activity on the long-term health of the
  Oak tree. Successful protection will need coordination between the contractor, site arborist,
  engineering design consultant, City Engineering and Parks staff The developer, architect,
  engineering consultant, arborist, and City staff have been working together to protect the
  existing Oak tree.

The Public Hearing for the rezoning of this site was held on April 21, 2008. At the Public Hearing, correspondence objecting to the rezoning was received. The following concerns about the architectural form and character of the development were expressed and were responded to during the meeting [response included in 'bold italics']:

- Vehicle and pedestrian access to Railway Avenue—The development includes a new public path connecting to Railway in a Property Right-of-Way (PROP ROW) along the east property line. Vehicle access will be limited to the existing rear lane.
- Adequacy of off-street parking provision Each unit includes a two (2) car garage and visitor parking is provided on-site.

#### **Staff Comments**

The proposed scheme attached to this report has satisfactorily addressed the significant urban design issues and other staff comments identified as part of the review of the subject Development Permit application. In addition, it complies with the intent of the applicable sections of the Official Community Plan and is generally in compliance with the "Town Housing (ZT23) – Laurelwood" except for the zoning variances noted below.

#### Zoning Compliance/Variances (staff comments in bold)

The applicant requests to vary the provisions of Richmond Zoning Bylaw 8500 to:

1) Reduce the Minimum Public Road Setback from 6 m to 4.5 m and to 4.0 m at the west corner of the northern building for the open porch and second floor open balcony.

(Staff supports the proposed variance as it increases the setback to the east property line, and therefore increases the openness of the public pedestrian corridor along the east property line. The variance is a result of the irregular shape of the development site. Greater setbacks are provided at the north and south edges of the site where the project has interfaces to the front yards of the adjacent town house and single-family development. A reduced 4.5 m front yard setback was identified in the data sheet and preliminary concept included in the rezoning staff report and no concerns about the variance were expressed by the Public.)

2) Permit 45% small car parking spaces (12 small car spaces of 27 total parking spaces).

(Staff supports the proposed variance as it allows for the provision of a greater number of parking spaces for the development in standard two (2) car garages. The variance is limited to one small car parking space for each of the 12 town houses inside a standard two (2) car garage.)

#### **Advisory Design Panel Comments**

The Advisory Design Panel was supportive of the project and asked the applicant to consider making identified architectural and landscaping design improvements. An annotated copy of the relevant excerpt from the Advisory Design Panel Minutes from July 22, 2009 is attached for reference (Attachment 2). The design response from the applicant has been included immediately following the specific Design Panel comments and is identified in 'bold italics'.

#### **Analysis**

#### Conditions of Adjacency

- The proposed development includes appropriate interfaces to Granville Avenue and Railway Avenue, enhanced and animated with pedestrian-oriented front entries and landscaped front yards with a mix of Evergreen and deciduous tree planting.
- The development presents an appropriate mix of passive side yards, public path, front yards, green space, drive aisle, and landscape buffer interface to the adjacent town house development to the east and single-family home to the south.
- An appropriate transition in scale is provided with two-storey town houses along the south edge of the development site at the interface with the existing adjacent single-family lot.
- The development includes screening to the adjacent residential properties, with 1.8 m height privacy wood fencing and a mix of shrub and tree planting.

#### Urban Design and Site Planning

- The proposed development achieves a scale, design, circulation, public pedestrian path, internal road layout, and lane upgrade that addresses and improves the pattern and transportation network of the neighbourhood.
- A public path (PROP ROW) is provided along the east edge of the site, connecting the
  existing rear lane with the intersection of Railway Avenue and Granville Avenue. This will
  permanently establish the existing informal path that connects the existing neighbourhood to
  the southeast with the schools, community centre and park amenities located across Granville
  Avenue. Registration of a right-of-way (PROP ROW) and construction of a public path
  through a Servicing Agreement were secured through the rezoning.
- The outdoor amenity space is provided in two (2) areas, both provided along and contributing to the streetscape. A semi-private garden area is provided next to the north end of the internal drive aisle, providing residents with gardening beds in a fenced area. A significant unfenced passive green space is provided at the curve of Railway Avenue, at the north end of the public path along the east property line. The open space provides a sense of openness at the north end of the pedestrian path and a green link to the park space across Granville Avenue.
- The proposed pedestrian-oriented town house mixed-scale massing expression that curves along Railway Avenue and Granville Avenue with predominantly three-storey building height expresses the uniqueness of the site shape. The town house expression along the streetscape defines the edge of the public road.

- The curving property line along Railway Avenue and shifting building orientations provide visual interest along the streetscape and along the internal drive aisle.
- The proposed site layout includes 12 town houses in five (5) separate three-storey buildings including two-storey town houses at the south edge. All town houses along Railway Avenue have pedestrian-oriented front entries and gated front yards facing the streetscape, which are connected to the public sidewalk with either a shared or individual pedestrian path.
- Town house unit entries and vehicle garage entries are located on opposite ends of 10 of the 12 town houses. For two (2) internal units, the front entries and vehicle garage entries are separated from each other on different building faces, reinforcing the pedestrian orientation of the front entries.
- Private pedestrian routes are provided through the site connecting to Railway Avenue.
- Vehicular access is from the existing rear lane which runs from Lindsay Road through to Linfield Gate.
- Transportation infrastructure improvements were secured through the rezoning and provided through a required Servicing Agreement for works including:
  - Railway Avenue: Retention of the two (2) existing Oak boulevard trees and improvements along the entire frontage. Works include, but are not limited to, removing the existing sidewalk and relocating it closer to the property line, around the existing trees, with a new 1.5 m concrete sidewalk located on the same alignment/offset as the existing sidewalk ending at the "bend" of Granville Avenue/Railway Avenue complete with street lighting and a grass boulevard with street trees.
  - O <u>Public Path</u>: Construct a new 2 m wide concrete walkway in a new 3 m PROP ROW complete with the required drainage and walkway lighting from Granville Avenue southward to the lane. The path way is to be built by the developer and maintained in the future by the City.
  - o <u>Lane</u>: Upgrade existing rear lane with works including, but not limited to, storm sewer, "roll over" curb/gutter (both sides), 5.1 m wide asphalt pavement and lane lighting.
- Off-street parking for residents and visitors complies with the Zoning Bylaw requirements, including accessible parking. Visitor parking is centrally located. Off-street parking is accessed from the internal drive aisles, with the exception of the southeast town house unit, which has garage access directly from the existing rear lane.
- A roofed structure enclosing garbage and recycling is provided near the rear lane vehicle entry. Garbage and recycling collection will be from the existing lane.
- Mailboxes are provided at the side of the garbage and recycling enclosure.

#### Architectural Form and Character

- The three-storey building massing is appropriate along Railway Avenue and is articulated with: porches, projecting bays, main and secondary roof dormer elements with gable treatment, and a mix of building materials.
- The 12 town houses are provided in five (5) three-storey buildings ranging in size from two (2) to three (3) units each. Two (2) two-storey units are provided along the site's south edge.
- All of the town houses along the Railway streetscape feature frontage character with pedestrian-oriented entries with open porches.

- There are two (2) units located at the interface with the rear lane to the southeast. The unit that is located at the vehicle entry to the development fronts onto the lane and features frontage character pedestrian-oriented entry, upper floor gabled dormer bay projection connecting to pilasters at the entry, and fenced semi-private yard accessed from the internal drive aisle. The second unit at the south edge of the site, features a standard garage as a transition to the single-family lots to the south.
- The proposed building materials are generally consistent with the Official Community Plan (OCP) guidelines, including: HardiePlank fibre cement horizontal siding, HardieShingle fibre cement wall shingles, board and batten with HardiePanel fibre cement board, painted wood trim, and asphalt shingles.
- The colour palette includes a range of taupe, highlighted with white bay and trim elements and muted red for accent colour.
- The impact of blank garage doors has been mitigated with a panel pattern and transom windows, pedestrian entries, small planting areas, and generous building spacing for pedestrian pathways through the development. Natural light is provided into each of the garages, either through windows or transom windows in the garage door.
- One (1) convertible unit is provided, designed with conversion for universal accessibility in mind. Conversion would require installation of a vertical lift, accessed from both the garage and the main floor living area to provide access to both floors of the two-storey unit. The floor framing includes framing for the potential shaft opening. A slab depression is provided for a pit. This unit also includes a layout for a kitchen and bathroom that is appropriate for wheelchair manoeuvring.
- All units include aging in place features, such as handrails, lever handles, and blocking in washroom walls for future grab bar installation.

#### Tree Retention and Replacement Strategy

An Arborist report and tree retention and removal strategy was included in the rezoning staff
report presented to the public and Council. No concerns were expressed about tree retention
at Public Hearing.

Bylaw-sized trees	Existing	Retain	Remove	Compensation
On-site	4	0	4	29 new trees, which exceeds 2:1 replacement ratio
Boulevard	3	2	1	Approximately 10 new street trees, which exceeds 2:1 replacement ratio
Neighbouring	7	Protect	None	

- The removal of four (4) bylaw-sized trees on-site will be replaced with the planting of 29 new trees ranging in size from 6 cm to 10 cm calliper for deciduous trees and 2.5 m height for Evergreen trees. With more than a 7:1 replacement ratio, the proposal exceeds the 2:1 replacement ratio sought in the OCP.
- Two (2) existing Oak trees in the Railway Avenue boulevard will be protected and retained. The Servicing Agreement includes careful engineering design to accommodate the protection of the trees and the needed City infrastructure. A contract with a registered arborist for the protection of the trees was secured through the rezoning.

• One (1) other boulevard tree is proposed for removal due to conflict with required infrastructure improvements secured through the required Servicing Agreement as identified in the rezoning staff report. The frontage improvements will include the planting of approximately 10 new street trees, which exceeds the 2:1 replacement, or two (2) replacement trees that staff would seek.

#### Landscape Design and Open Space Design

- On-site outdoor amenity space is provided in two (2) locations along the streetscape, both contributing to the streetscape. The amenity areas are generous and meet the OCP requirements for size, location, visual surveillance and access.
- As noted above, an outdoor amenity garden area is provided next the north end of the internal drive aisle providing residents with gardening beds in a fenced area.
- As noted above, a second outdoor amenity area is provided as a significant unfenced passive green space at the north end of the public path along the east property line. The open space provides: a green open space at the intersection of Granville Avenue and Railway Avenue; a sense of openness at the north end of the public pedestrian path; and a green link to the park space across Granville Avenue.
- Children's play equipment is not provided for this small development, which is located across the street from a City Park with significant playgrounds. 9 of the 12 units have private yard areas which provide contained outdoor space for children.
- An open area is provided at the existing Oak City boulevard tree. Planting and fence lines are pulled back to respect the root zone of the mature Oak tree.
- The landscape plan includes communal, and semi-private landscaped spaces. In addition to the new trees noted above, the landscape design includes a variety of shrubs, perennial, ground cover, grasses and lawn planting.
- Fencing will include open rail wood fencing along the streetscape with individual front yard gates, communal entry gates, and the outdoor amenity garden area. 1.8 m height wood privacy fencing will be provided along the interior south property line outside of the road setback, and lower 1.2 m fencing along the lane.
- Paving treatment includes a variety of materials to mark the internal drive aisle entries, improve the internal streetscape, increase site permeability, and differentiate between pedestrian and vehicle areas. Materials include asphalt, concrete, and unit pavers.

### Sustainability

The proposal complies with Smart Growth principles of providing denser residential development in close proximity to bus routes and community amenities, such as schools and community centres. The project will incorporate the following sustainable measures:

- Proximity to public transportation (along Granville Avenue and Railway Avenue)
- Drought tolerant/native plant species
- Enhanced on-site permeability in the form of soft landscaping and pavers
- Enhanced pedestrian realm, including new public path, to encourage walking
- Rigid insulation beneath entire slab of ground floor habitable space to improve envelope performance
- Low E glass to improve envelope performance by reducing solar heat gain
- Energy efficient appliances

#### Floodplain Management

- The proposal complies with Flood Plain Designation and Protection Bylaw No. 8204. The Bylaw requires minimum flood construction level of 2.9 m (geodetic) and includes an exemption that allows the subject 'Area A' site to be developed with habitable area at 0.3 m above the highest crown of road.
- Registration of a flood indemnity covenant was secured through the rezoning.

#### Servicing Capacity

As noted in the rezoning staff report, a Servicing Agreement was secured through the rezoning, including engineering infrastructure improvements:

- <u>Storm Sewer</u>: Upgrade across the Railway frontage (approximately 96 m of sewer pipe upgraded to 1050mmØ from the existing manhole MH654 to MH652).
- Watermain: Upgrade across Railway Avenue and along the site frontage (approximately 115 m of 100mmØ watermain pipe upgraded to 200mmØ across the frontage and complete with a 200mmØ road crossing connected to the existing 300mmØ watermain along the west side of Railway Avenue at the south edge of the site).

#### Community Benefits

- As outlined in the rezoning staff report, the proposal includes the following community benefits which were secured through the rezoning:
- Registration of a 3 m wide public path PROP ROW along the east property line for a public access to the intersection of Granville and Railway Avenues, which is to be built by the developer and maintained in the future by the City.
- The provision of \$0.60 per buildable ft² (e.g., \$11,423) towards the City's Affordable Housing Strategy.
- The provision of \$12,000 in-lieu of on-site indoor amenity space for the town house development as per the Official Community Plan (OCP) and Council policy.

#### Conclusions

The applicant has satisfactorily addressed staff and the Advisory Design Panel's comments regarding conditions of adjacency, site planning and urban design, architectural form and character, and landscape design during the Development Permit review process. The proposal for frontage improvements and the formalization of a well-used public pedestrian path support the vision for this area. The design has improved significantly, and staff are supportive of this multi-family residential development, which is in close proximity to bus routes, a park, two (2) schools, and a community centre. Staff recommend support of this Development Permit application.

Sara Badyal, M. Arch, MCIP Planner 2 (Urban Design)

Sava Badyal.

SB:sb

The following are to be met prior to forwarding this application to Council for approval:

Receipt of a Letter-of-Credit for landscaping in the amount of \$50,784.00.

Prior to future Building Permit issuance, the developer is required to complete the following:

• The applicant is required to obtain a Building Permit for any construction hoarding associated with the proposed development. If construction hoarding is required to temporarily occupy a street, or any part thereof, or occupy the air space above a street or any part thereof, additional City approvals and associated fees may be required as part of the Building Permit. For further information on the Building Permit, please contact Building Approvals Division at 604-276-4285.

• Submission of a construction traffic and parking management plan to the satisfaction of the City's Transportation Division (http://www.richmond.ca/services/ttp/special.htm).



## **Development Application Data Sheet**

**Development Applications Division** 

DP 08-429887

**Attachment 1** 

Address: 7140 Railway Avenue

Applicant: Orion Estates Ltd.

Owner: 0832892 BC Ltd.

Planning Area(s): Blundell Area (Laurelwood Sub-Area for northern portion of site)

Floor Area Gross: 2,359 m<sup>2</sup>

Floor Area Net: 1,770 m<sup>2</sup>

	Exis	ting	Proposed
Site Area:	2,68	0 m <sup>2</sup>	Remains the same
Land Uses:	Formerly single-f	family residential	Town housing residential
OCP Designation:	Neighbourho	od residential	Remains the same
Area Plan Designation:	Residential (t	own houses)	Remains the same
Zoning:	Formerly Single-D	Detached (RS1/E)	Town Housing (ZT23) – Laurelwood
Number of Units:	Formerly 1 sing	le-family home	12 town houses
	Bylaw Requirement	Proposed	Variance
Floor Area Ratio:	Town houses Max. 0.66	0.66	None permitted
Lot Coverage:	Max. 40%	33%	None
Setback – Public Road:	Min. 6 m	4.0 m to 4.5 m	1.5 m Reduction 2.0 Reduction for unit NW unit porch & balcony
Setback – Side Yard (east):	Min. 3 m	3 m to 3.6 m	None
Setback – South Yard (south):	Min. 3 m	3 m	None
Height (m):	Min. 11 m & 3-storey	Max. 11 m & 3-storey	None
Lot Size:	Min. 1,830 m <sup>2</sup>	2,680 m <sup>2</sup>	None
Off-street Parking: Resident Visitor Accessible Total Spaces	24 3 (1) 27	24 3 (1) 27	None
Tandem Parking Spaces	Not permitted	None	None
Small Car Parking Spaces	Not permitted	45% (12 spaces)	45% (1 space per unit)
Amenity Space – Indoor:	Min. 70 m <sup>2</sup>	Cash-in-lieu	None
Amenity Space – Outdoor:	Min. 72 m <sup>2</sup>	183 m²	None

# Annotated Excerpt from the Minutes from The Design Panel Meeting

Wednesday, July 22, 2009 – 4:00 p.m. Rm. M.1.003 Richmond City Hall

2. Development Permit 08-429887 – 12 unit town house development APPLICANT: Patrick Cotter, Patrick Cotter Architect Inc. LOCATION: 7140 Railway Avenue

[The design response from the applicant has been included immediately following the specific Design Panel comments and is identified in 'bold italics'.]

#### Panel Discussion

Comments from the Panel were as follows:

- this is a good design for a difficult site; concerned with the green space at the triangle area at the north end of the project, consider hard surfaces as this area will see lots of traffic and due to maintenance;
- the front entrance for the self contained garbage enclosure is not very inviting, in particular with the mailboxes directly next door; the duplex seems off from the rest of the streetscape; consider staggering the two units rather than side by side, while continuing to accommodate the drive aisle as it may help soften that corner;
- the duplex positioning is not successful; need to carefully look at this; strongly suggest that sustainability features be incorporated into this project, regardless of its scale; the scale and clustering of the buildings is quite successful, and how the project is conceived on this site; like the elevations along Railway Avenue; the project generally has a nice character;
- there are opportunities to make sustainable gestures i.e., reduce the amount of paving from the driveway to Unit B3 and increase pervious surface along that edge and/or reduce the amount of gravel to the other side of Unit B3; consider using other forms of ground cover versus lawn i.e., west of the mailbox facility and above the parking lot; and
- generally this is a successful project; the site planning for Unit 1 at the south east corner is problematic with the entry being off the lane; consider what can be done to increase surveillance of the entry; consider the relationship for Units 4 and 3 at the south facing property line face the front and backyard of adjacent units; Units 11 and 12, particularly Unit 12, the side walkway faces the existing duplex immediately to the east—there are safety and security concerns; the building forms are generally successful; the side entries seem sparsely detailed and do not give a sense of ownership; consider some trim to articulate the inset balconies; consider articulating the garage doors; need articulation, review the effect of the repeated element for the west elevation of the three block.

#### **Panel Decision**

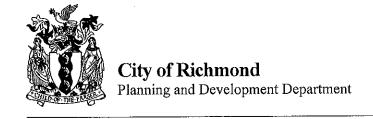
It was moved and seconded

That DP 08-42988 move forward to the Development Permit Panel taking into consideration the following comments of the Advisory Design Panel:

- 1. consider the unit entries from a CPTED perspective Unit entries revised.
- 2. consider adding detail to unit entries Detail added.
- 3. consider adding detail and articulating the inset balconies Incorporated.
- 4. consider design development to the streetscape elevation articulation Detail added.
- 5. consider more hard surface at the POPA location due to the frequency of use Incorporated.
- 6. consider separating the site entry from the garbage area Considered, but difficult on small irregular lot. Modest landscape buffer added.
- 7. consider staggering units or softening the duplex northwest corner Corner further detailed.
- 8. consider increasing the setback for the north duplex Considered by applicant and staff.

  Building located to provide setbacks to both streetscape and public path.
- 9. consider incorporating sustainable features in the development of the design Sustainable features added: rigid insulation for slab and Low E glass.
- 10. consider increasing sustainability with increasing landscaping including (i) reducing paving at the northeast edge of the drive aisle; and (ii) reducing gravel on the opposite side of Unit B3 *Incorporated*.
- 11. consider increasing sustainability with other ground cover versus lawn i.e., west of the mailbox area and north east of the parking area *Incorporated*.
- 12. consider the site planning for Unit 1 facing the lane at the southeast corner Revised.
- 13. consider the relationship for Units 4 and 3 at the south facing property line Revised.
- 14. consider safety and security matters in relation to Unit 12, facing the ROW Revised.
- 15. consider articulating the garage doors Incorporated.
- 16. consider articulation for the west elevation of the three blocks Considered. Articulation provided with projecting bays and recessed porches and balconies. Detail added.

**CARRIED** 



### **Development Permit**

No. DP 08-429887

To the Holder:

ORION ESTATES LTD.

Property Address:

7140 RAILWAY AVENUE

Address:

C/O BILL STILLWELL 5271 FRANCIS ROAD RICHMOND, BC V7C 1K2

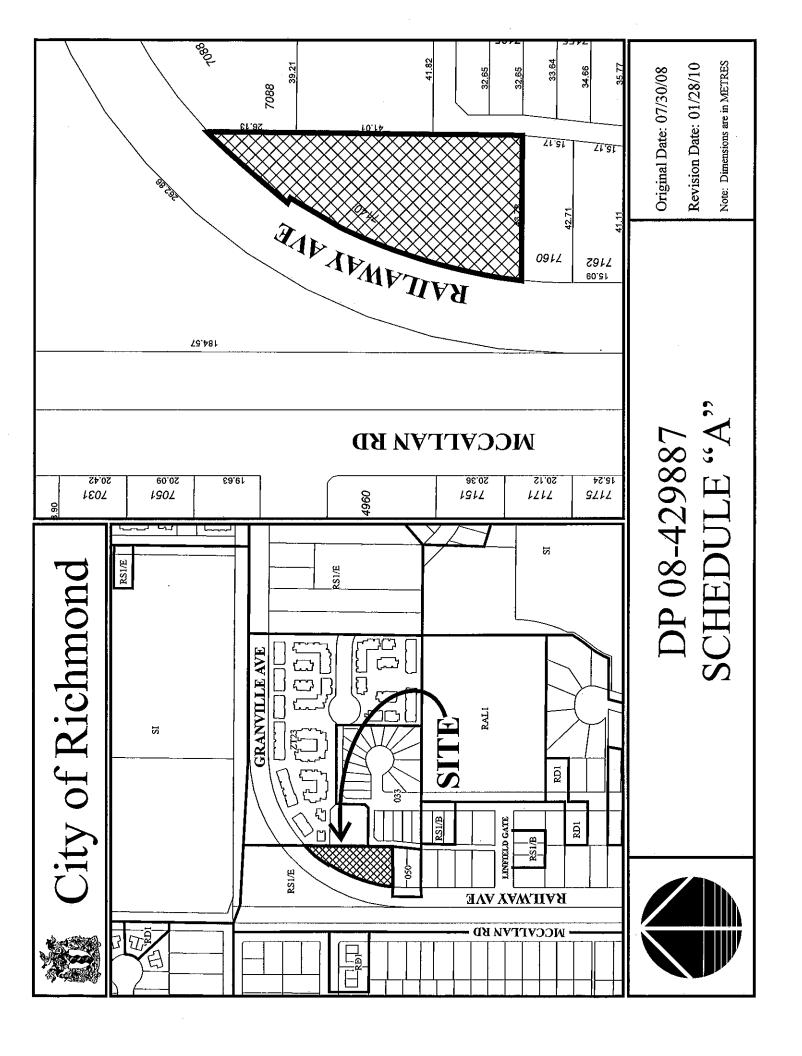
- 1. This Development Permit is issued subject to compliance with all of the Bylaws of the City applicable thereto, except as specifically varied or supplemented by this Permit.
- 2. This Development Permit applies to and only to those lands shown cross-hatched on the attached Schedule "A" and any and all buildings, structures and other development thereon.
- 3. The "Richmond Zoning Bylaw 8500" is hereby varied to:
  - a) Reduce the Minimum Public Road Setback from 6 m to 4.5 m and to 4.0 m at the west corner of the northern building for the open porch and second floor open balcony.
  - b) Permit 45% small car parking spaces (12 small car spaces of 27 total parking spaces).
- 4. Subject to Section 692 of the Local Government Act, R.S.B.C.: buildings and structures; off-street parking and loading facilities; roads and parking areas; and landscaping and screening shall be constructed generally in accordance with Plans #1 to #22 attached hereto.
- 5. Sanitary sewers, water, drainage, highways, street lighting, underground wiring, and sidewalks, shall be provided as required.
- 6. As a condition of the issuance of this Permit, the City is holding the security in the amount of \$50,784.00. to ensure that development is carried out in accordance with the terms and conditions of this Permit. Should any interest be earned upon the security, it shall accrue to the Holder if the security is returned. The condition of the posting of the security is that should the Holder fail to carry out the development hereby authorized, according to the terms and conditions of this Permit within the time provided, the City may use the security to carry out the work by its servants, agents or contractors, and any surplus shall be paid over to the Holder. Should the Holder carry out the development permitted by this permit within the time set out herein, the security shall be returned to the Holder. The City may retain the security for up to one year after inspection of the completed landscaping in order to ensure that plant material has survived.
- 7. If the Holder does not commence the construction permitted by this Permit within 24 months of the date of this Permit, this Permit shall lapse and the security shall be returned in full.

# **Development Permit**

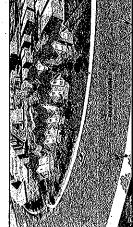
No. DP 08-429887

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Property Address:	7140 RAILWA	Y AVEI	NUE
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	sions of this Permit		enerally in accordance with the terms and y plans and specifications attached to this
This Permit is not a l	Building Permit.		
AUTHORIZING RESO DAY OF ,	LUTION NO.		ISSUED BY THE COUNCIL THE
DELIVERED THIS	DAY OF	,	

MAYOR



	,	DEVELOPMENT PERMIT: DP # 09-4239837		NT PECK	OFF-STIE WORKS DESIGNED & CONSTRUCTED	VIA SEPARATE REBUIRED SERVICING	RARGEMENT, INCLUDING PUBLIC PATH	ES AGING IN TACE FEATURES IN ALL UNITS	AND BUCKING IN ALL WAS HEAVED FREE THE THE THE THE THE THE THE THE THE T	GRAG BAR INSTALLATION	ONE (I) CONVERTIBLE UNIT PROVIDENT	OK AD!	
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PROJECT DATA:	CIVIC ADDRESS: 7140 RAILWAY AVENUE, RICHMOND, BRITISH COLUMBIA	LEGAL ADDRESS: PARCEL "ONE"  REFERMAN TOTA" EXCEPTED. "A"  REFERMAN 7255: SECATERAN ETM ETM	NEW WESTMINSTER DISTRICT PLAN 1348	PROJECT VARIANCES (1. SETBACK PUBLIC ROAD REDUCT TO 4.5M PLUS FRUTHER REDUCTION AT UNIT 11 TO 4.6M FOR GOT PROTECT AND SECOND FLOOR DECK		PROJECT DIRECTORY	nicteral	Accelerated St. Vivestor Ann. Restroy, 80, 905, 27. Parties Control & Virenovan Co Voy IV3 Figure 2019 1100 to 100, 2110 100,	Bechanicat ELO Engineera Lad. 1952 East 63 Ave Vancaver 65, VSX 116, Vancaver 67, VSX 116,			Richmond, BC VeV 578 T(RoA)570+6331,	
	STRUCTURAL.	**** \$\delta\del	××1	* × × ×		* *		****			64 TYPE ALAN 64 TYPE AI A.A.2 LEVEL 1 & 2 65 TYPE BI (LEVEL 1, 2 & 3		32
DRAWING LIST:	ARCHIECTURAL	"	A-102 STE PLAN. PARIGING PLAN A-103 AREA OVERLAY	w w	A-2020 BUILDING No.2 FLOOR PLANS A-2020 BUILDING No.3 FLOOR PLANS A-2020 BUILDING No.3 FLOOR PLANS A-2040 BUILDING No.4 FLOOR PLANS A-2040 BUILDING No.4 FLOOR PLANS	A-2040 BUILDING NO.4 FLOOR PLANS		A-251A UNITA2 PLANS (ADAPTABLE)		A-WZB EXTENDED EVATIONS UNITS 4-5 A-WAR EXTENDED EVATIONS UNITS 6-7 A-WZB EXTENDED EVATIONS UNITS 6-7		A-3058 EXTERIOR ELEVATIONS UNITS TI-12 A-3058 EXTERIOR ELEVATIONS UNITS TI-12	







Plan 1A Mar 2 2010 DP 08-429887 COPMENT WITHOUT, WE FAM NO DESCRIPTION AND AND A SERVICE STATES TO SERVICE STATES OF A SERVICE STATES OF A

ORION ESTATES LTD. SZ71 FRANCIS ROAD RICHMOND, BRITISH COLUMBIA

Patrick Cotter

7440 RAILWAY AVENUE
RICHMOND, BRITISH COLUMBIA

A-000

DP:08-429887

7140 RÁH WÁY AVENUE, RICHMOND, B.C.

PROJECT DATA:

7140 RAILWAY AVENUE, RICHMOND, BRITISH COLUMBIA LEGAL ADDRESS: CIVIC ADDRESS:

PARCEL "ONE" (REF.PLAN 7713), LOT "A" EXCEPT.PCL, "A" (REF.PLAN 12425), SEC.13, R.4 N, R.7 W. NEW WESTMINSTER DISTRICT PLAN 1343

DEVELOPMENT DATA

SITE AREA	ITE AREA: GROSS:	23,363,30	Sq. Ft.		
	NET:	28,868,80	4.8		
OVERAGE	ü	40%	Max, Permitted Nox, Permitted	33.0% Provided 9.518.30 Provided	
AR:	AR: AX FAR ALLOWED:	0.68	Max, Permitted	0.66 Provided	
DDITIONS	DDITIONS TO FAR: Porches/decks:	6.03 FAR 886.06	Max, Pormitted Sq. Ft. (Max Permitted)	854.10 Provided	
THER FA	THER FARGarges/Storago:	50m/unit *12 Unit: Max Pormittod 6,458.35 Sq. Ft. (M	t Max Permitted Sq. Ft. (Max Permitted)	3,384.20 Provided	
THER FA	THER FARAmenfry:	.10 FAR 2,886.88	Max. Permitted Max. Permitted	0.00 Provided	
ARKING	Resident Visitor	2.04mit 0.24mit	24 Required 3 Required	24 Provided 3 Provided	
	Total		27 Required	Z7 Provided	
Acce.	Accessible (Included in visitor):	of in visitor):	1 Required	1 Provided	
(E)	An additional 50 m2 (538.2"	1 sq.fl.) per desaling unit (for	cynuw An additional 50 m2 (538.21 sq.ft.) per dwelling unit (for the enclusive use of indystaga) units		
	or for the total development	t) for the use as off-street pe	or for the total development) for the use as off-street parking, storage norms or accessory		
8	0.03 FAR, which must be us	buildings and for norms for methanical or electrical topidaes. 2.03 FAR, which must be used contactivity for covered secon	buildings and for rooms for mechanical or electrical topistes. C.O.S. FAR, which must be used contactively for coverned senses of the newchan building.		
	which are open on one or more aides.	nore sides.			
Ø:	An additional 0.10 floor area	a radio provided that It is ont	An additional 0.10 floor area radio provided that it is entirely used to accommodate Amerity Space.		
•	The second second second second	-			

(4) 2% of Animals Parkin Species ary 10 to Accordate
SITE AND BUILDING DATA -metric
NOTE: SEE SHEET A-103 FOR AREA OVERLAYS

CRUTS SUMMARY				i			STAIL SCARE	2	
	UNAT A1	UNIT A2	UNST BL3	UNIT B-2	UNITAZ UNITRA UNITRAZ UNITRAS UNITCO)	UNIT Cla)	ELEC. RMS	8	TOTAL
LEVEL 1:	5	62.0	27.8		28.0	282			
LEVEL 2:	8.6	91.8		57.3		X			
LEVEL 3:	0,0	0.0	8	į		60,3			
total unit areas	152.9	153,8	<u> </u>	148.9	146.0	140.8			
GARAGES	38.5	37.6				<b>27.</b>	-	Total Genegas(eq M):	
PORCHOECKS ELECTHAIL/GARBAGE(excluded area)			10,5	33	83	ş	18.5	Total Porch/Decks(sq M): Total Service Rms(sq M):	85 BE
QUANTITY OF RES. UNITS:	-	-	ľ	-	~	2			ş
AREAS (No units * Areavunit)	152.9	153.6	740.8	148.9	292.0	281.6		Total Unit Areas(eq M):	1,770.0
LOY COVERAGE PER UNIT	101.8	101.8	ĕ	6,79	96.2	ş	. #F		
COVERAGES (No Units Coverage/unit)	101.8		350.3	6'29	132.3	130.1		Total Lot Coverage(so M):	202

SITE AND BUILDING DATA -metric

SITE AREA: GROSS:	r GROSS:	2,682,00 Sq. Netors	543	
		2,682,00 Sq. Natures	tars	
COVERAGE	ái	40% Max. Permitted	ernitted	33.0% Provided
		1,072.80 Mar. Permitted	ermitted	-884.28 Provided
FAR:		0.56 Max. Permitted,	ermitted,	0.56 Provided
MAX FAR ALLOWED:	TT CAMED:	1,770.12 Sq Met	1,770.12 Sq Meters (Nex Permitted)	1,770.0 Provided
ADDITIONS TO FAR: Porches	S TO FAR: Porches/decks:	0.03 FAR Max, Pormitted	Perm Httpd	
		80.46 Sq. Ma	80.46 Sq. Maters (Max Permitted)	79.35 Provided
OTHER FA	R:Garages/Storage: 50	OTHER FAR:Garages/Storage: Sûmûnit * 12 Unit; Max Pernitted 600.00 Sq. Maters (Max	12 Unit: Max Pormitted 606.00 Sq. Maters (Max Permitted)	314.40 Provided
ОТНЕК FA	OTHER FAR:Amenity:	.10 FAR Max. Permitted 268.20 Max. Permitted	erm itted	0.00 Provided
			;	
	Keshaoth	Z WOUL	Contraction of	CONTRACTOR OF
	Visitor	0.2/unit	3 Required	3 Provided
	Total		27 Required	27 Provided
	Accessible (Included in visitor):	d in visitor):	1 Required	1 Providence

SITE AND BUILDING DATA -imperial

UNITS' SUMBLARY							MAIL/GARB			OKION ESTATES LTD.
	UNIT A1	UNIT A1 . UNIT AZ	UNIT B.t	UNET B-2	UNIT 8-3	UNATC	SIEC. RMS		TOTAL	5271 FRANCIS ROAD
										RICHMOND, BRITISH COLUMBIA
LEVEL 1:	827.20	6.999	298.7	315,8	300.9	7382.1				
LEVEL 2:	966.4	988.4	617.1	616.9	616.2	584.9				
LEVEL 3:	0.0	0.0	679.0	689.7	654.5	648.7				The set Call Call Call Call Call Call Call Cal
UNIT AREAS	1,646.2	1,655.3	1,594.8	1,602.4	1,571.6	1,515.7				And some he collection or where design addressed he are develor as date for advanced proper he accesses where complet,
										,
										Plan 1B Mar 2 2010
GARAGES	414.7	105.1	363.7	376.8	346.1	389.4		Total Carapean(sq ft);	3334.20	
PORCHOECKS FI. FCYMAH (CARRACE/archided sms)	9	8	112.8	36.3	61.9	0799	100	Yotal Perch/Decise fit	20	Dr 08-42988/
							Ē	Til belining gausse erge	ģ	THE LOCK
QUANTITY OF RES, UNITS:	-	-	8	-	2	ď			Ş	COVER SHEEL
AREAS (No embla " Aceasiusk)	1,646.2	1,655.3	7,974,0	1,602.4	3,143.2	3,031,4		Total Unit Anses (3q, ft);	19,052.5	
								SAY:	13,053.4	
LOT COVERAGE PER UNIT	1,095.6	1,095.6	754.2	Ę	123	700.2	198.7			
COVERAGES (No UniterCoverage/unit)	1,095.6	1,095.6	3,774.0	731.1	1,424,6	1,400,4	0,0	Total Lot Coverage(eq 5):	9,518.3	

ORION ESTATES LTD. SZ71 FRANCIS ROAD RICHMOND, BRITISH COLLIMBIA.

7140 RAILWAY AVENUE RICHMOND, BRITISH COLUMBIA

Patrick Cotter

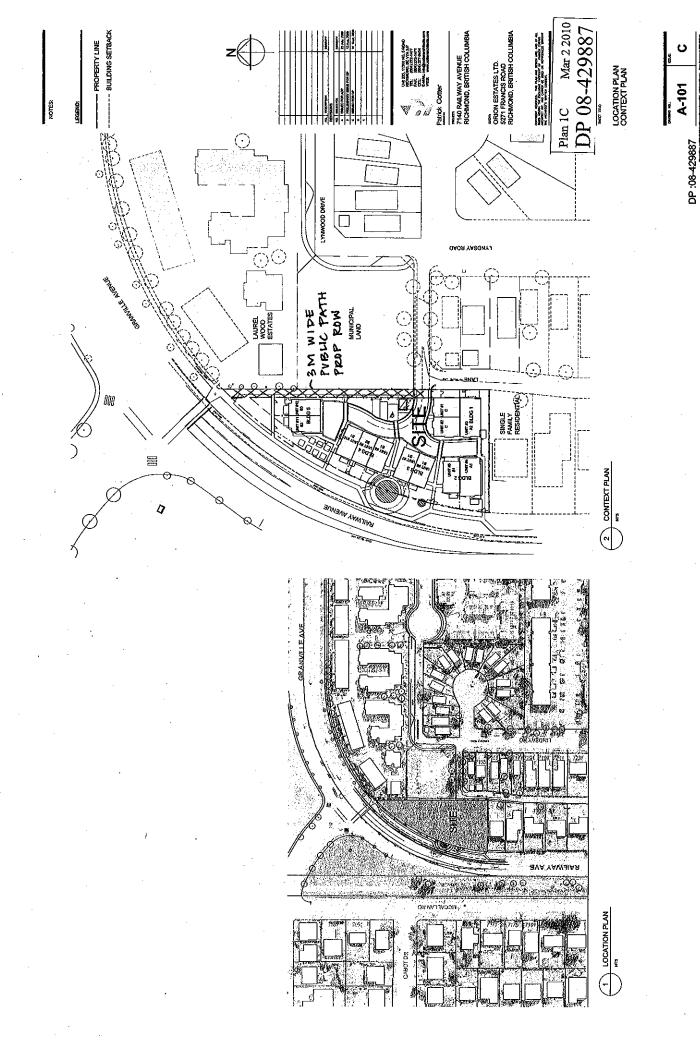
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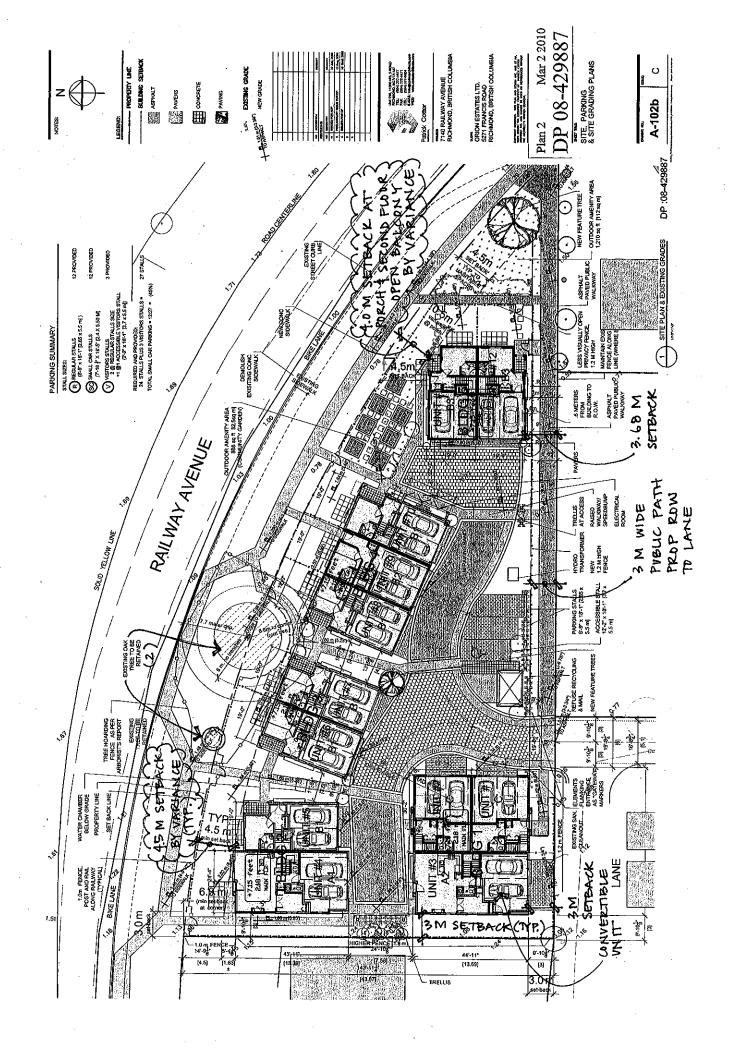
SITE AND BUILDING DATA -imperial

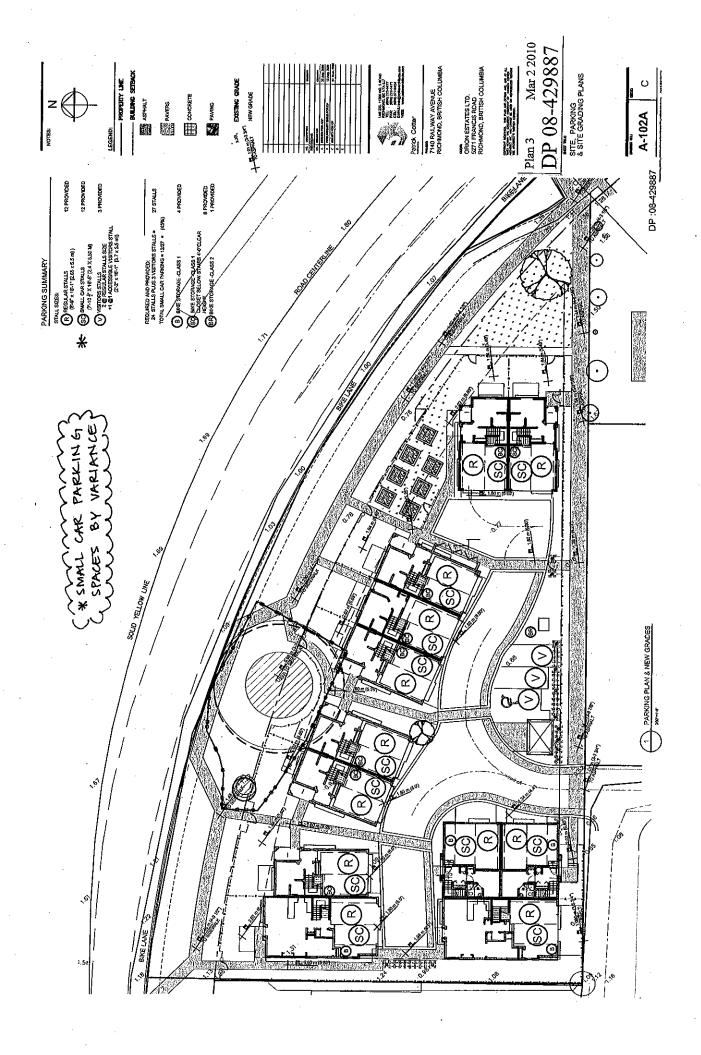
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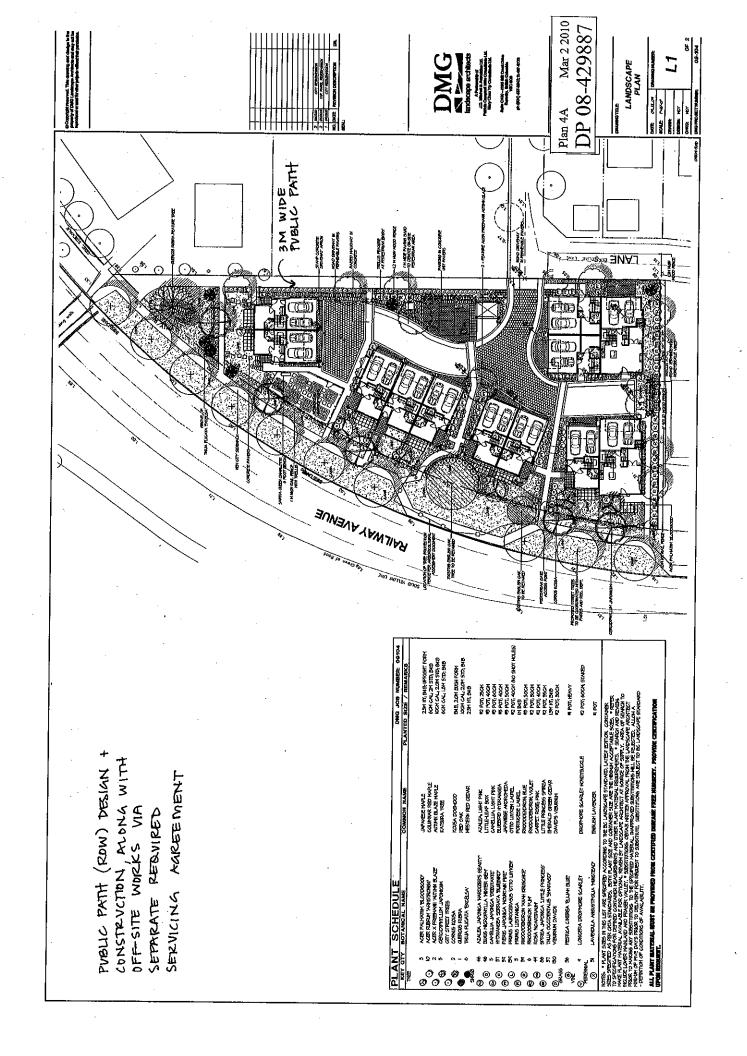
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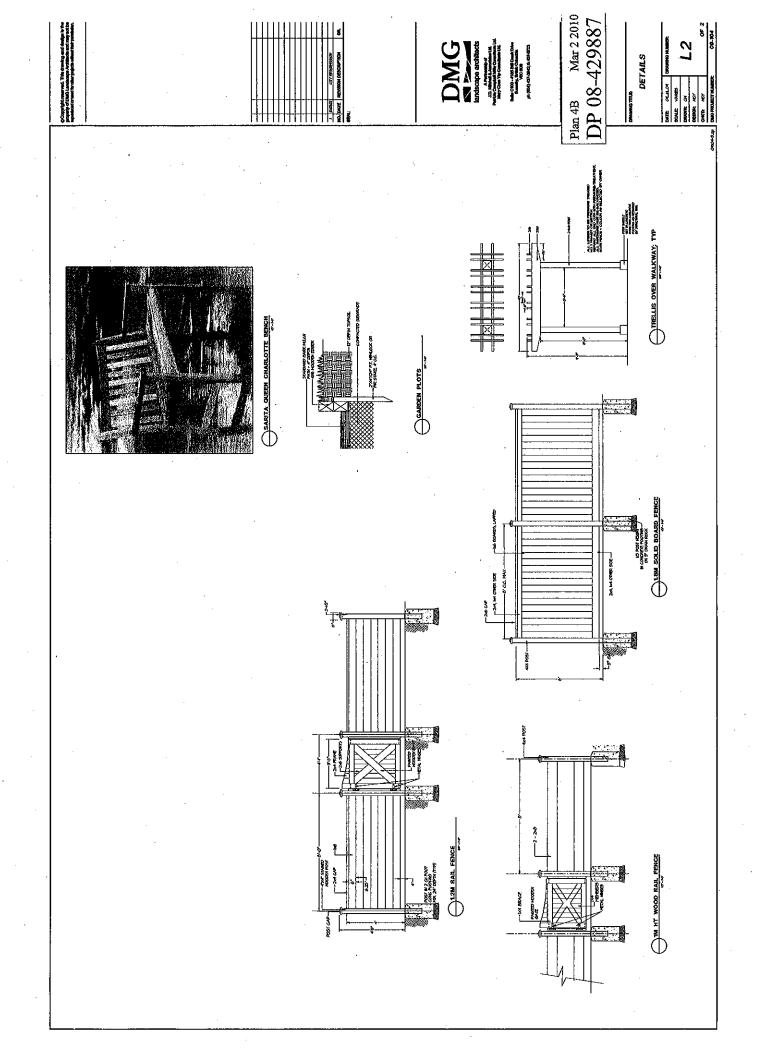
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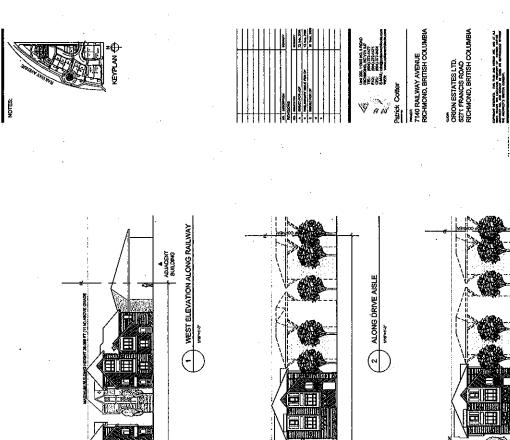




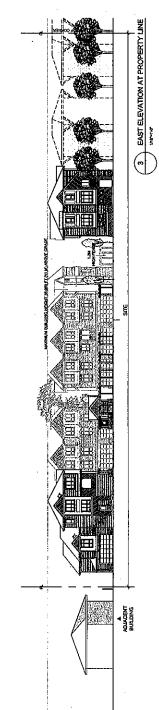








ADJACENT BUILDING

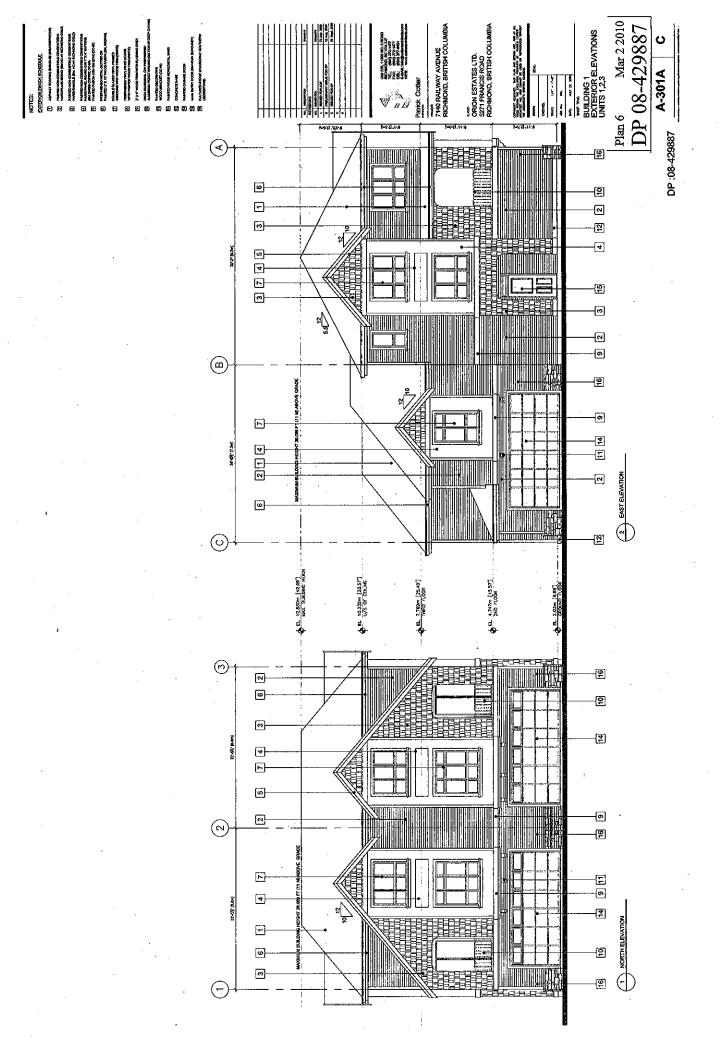


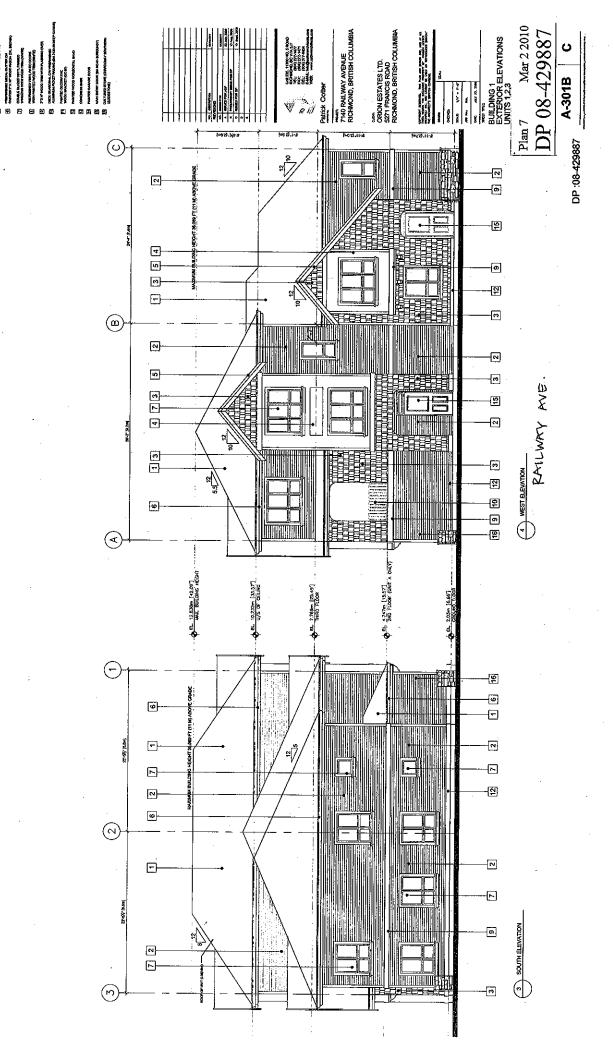
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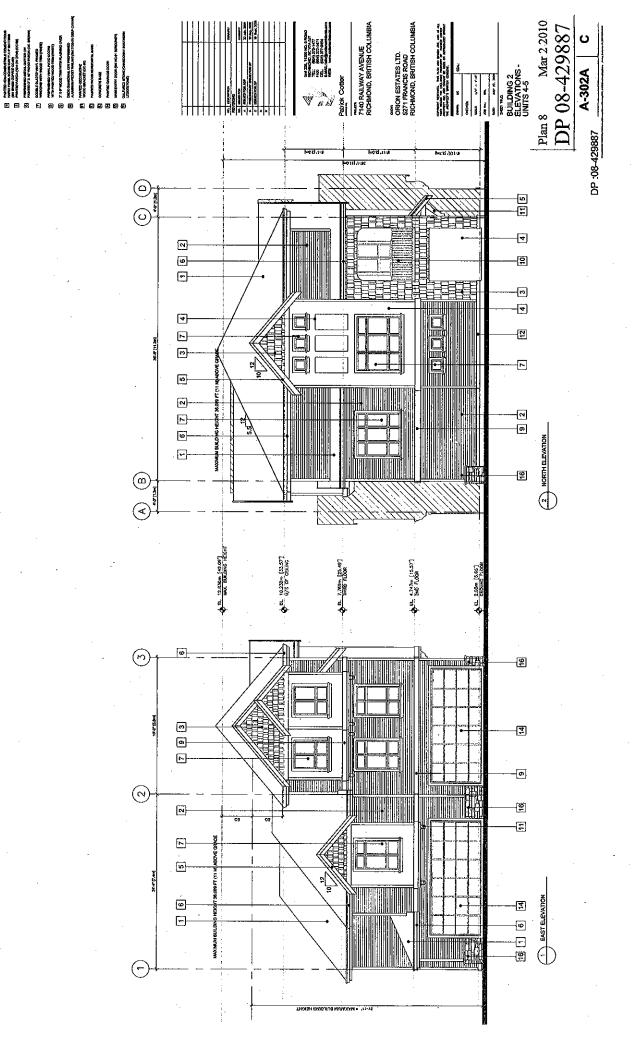
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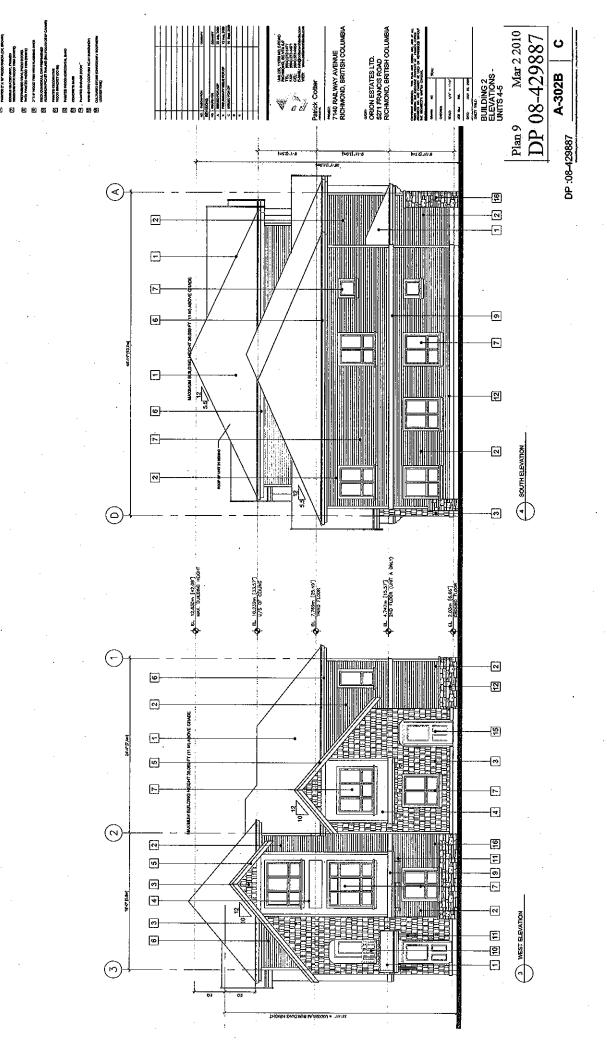
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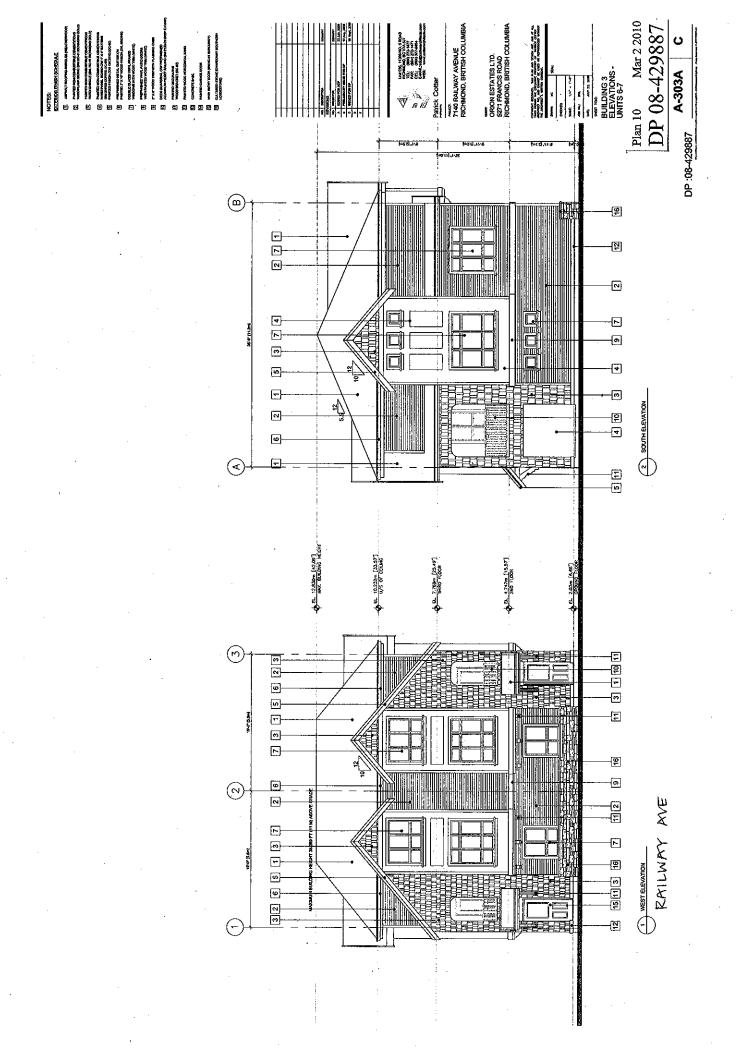
STREETSCAPES

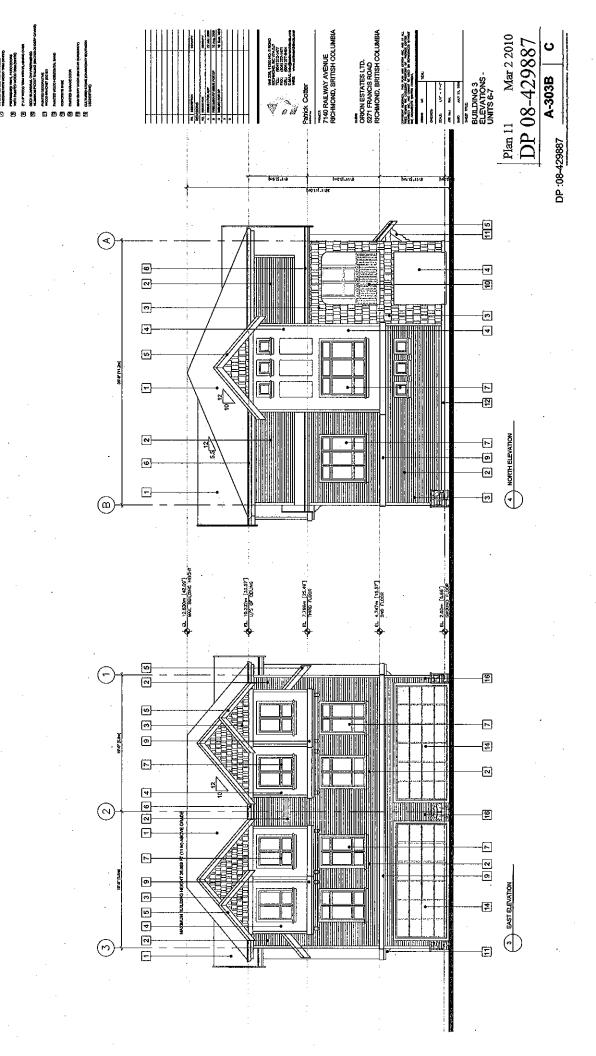


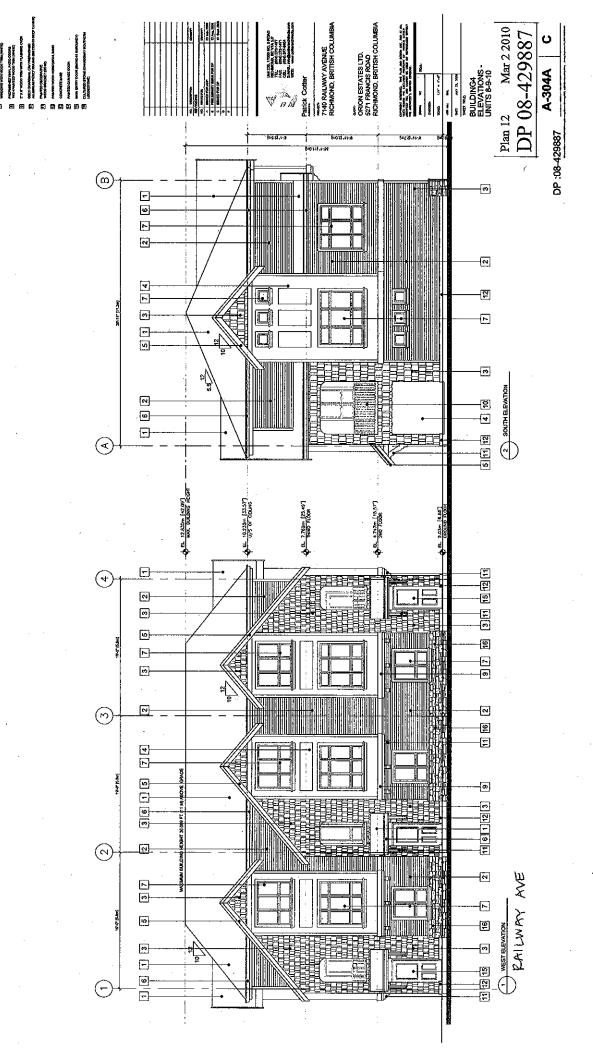


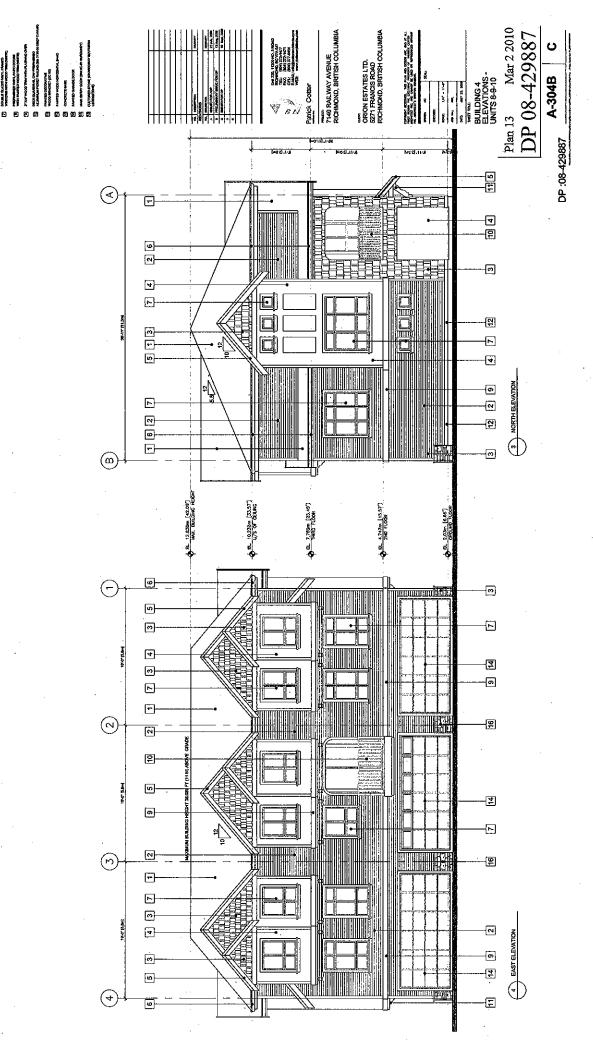


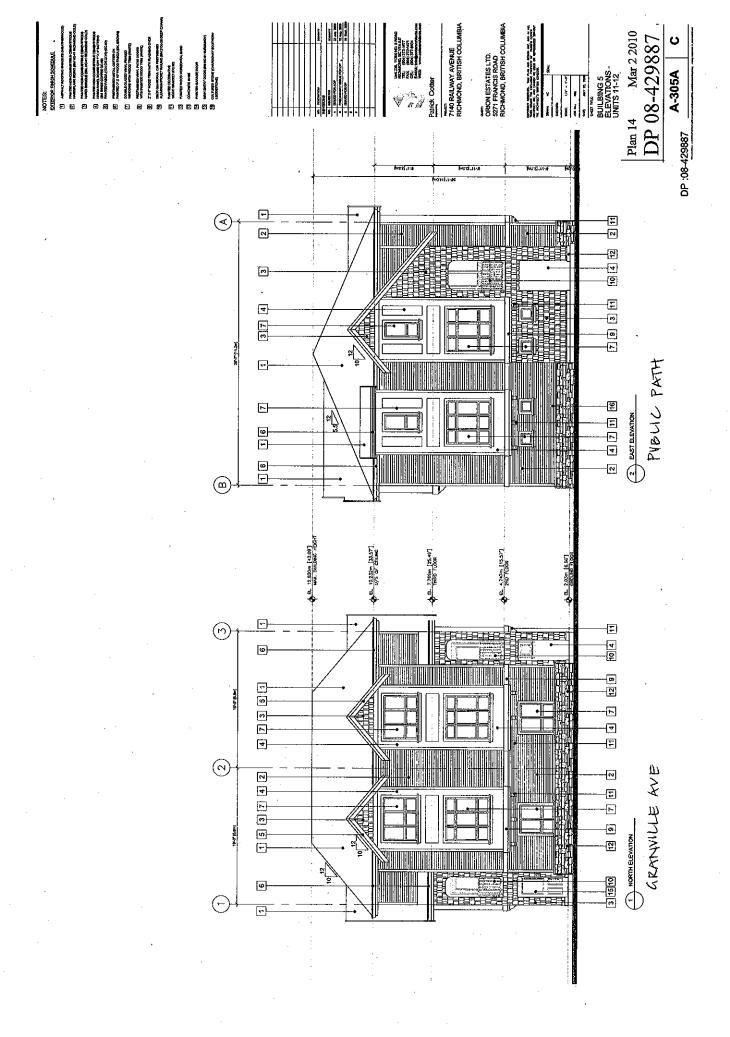


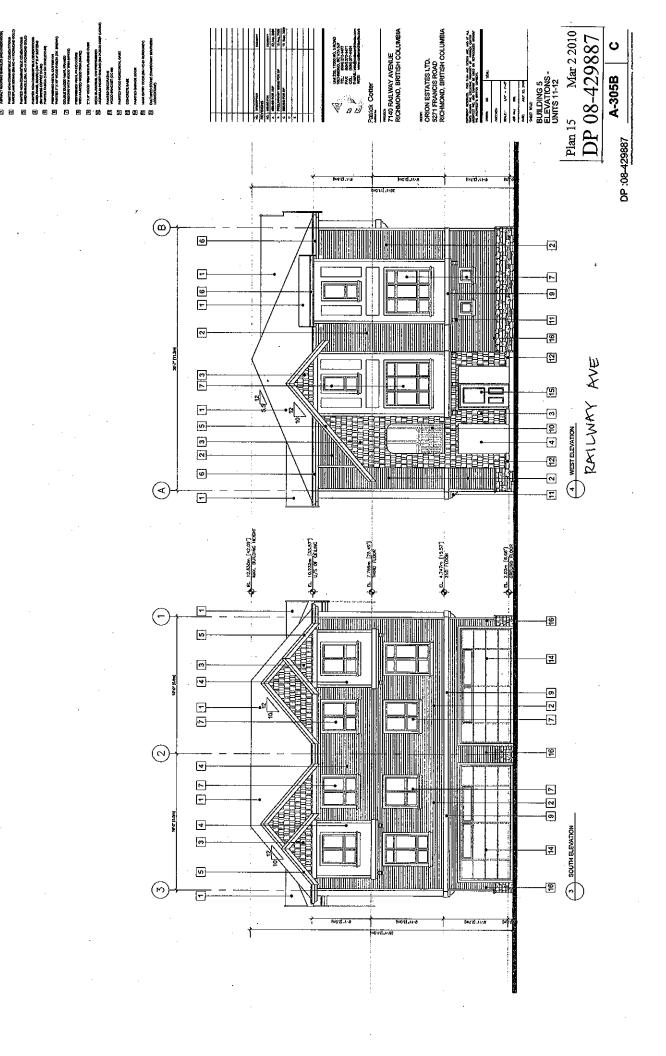


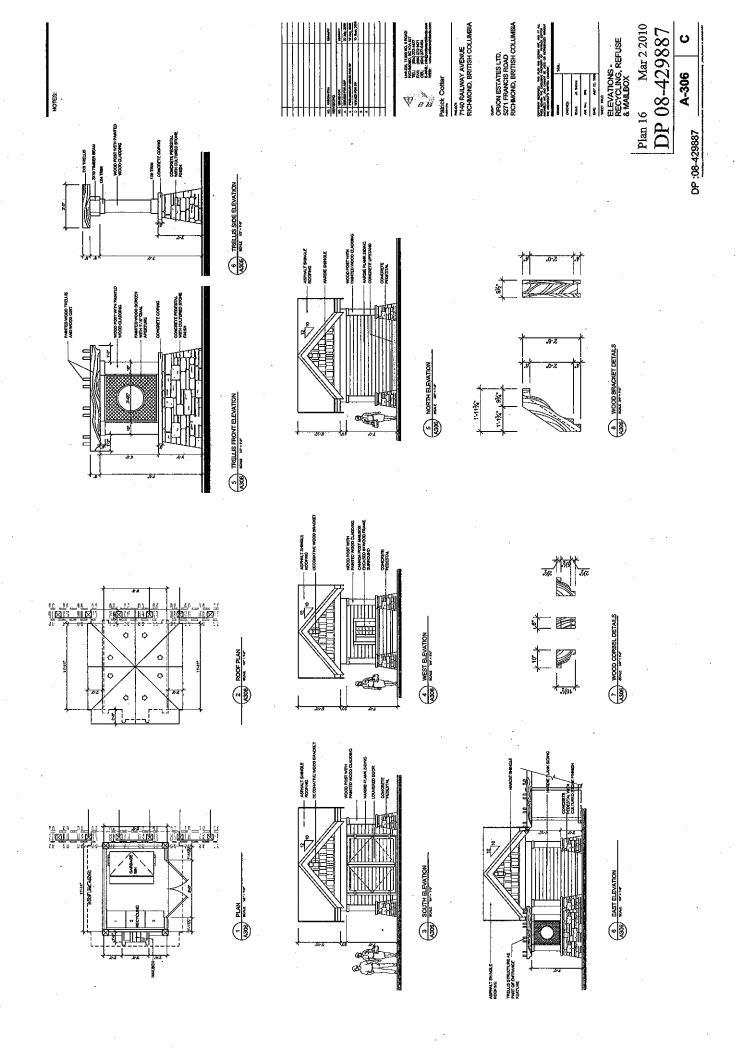


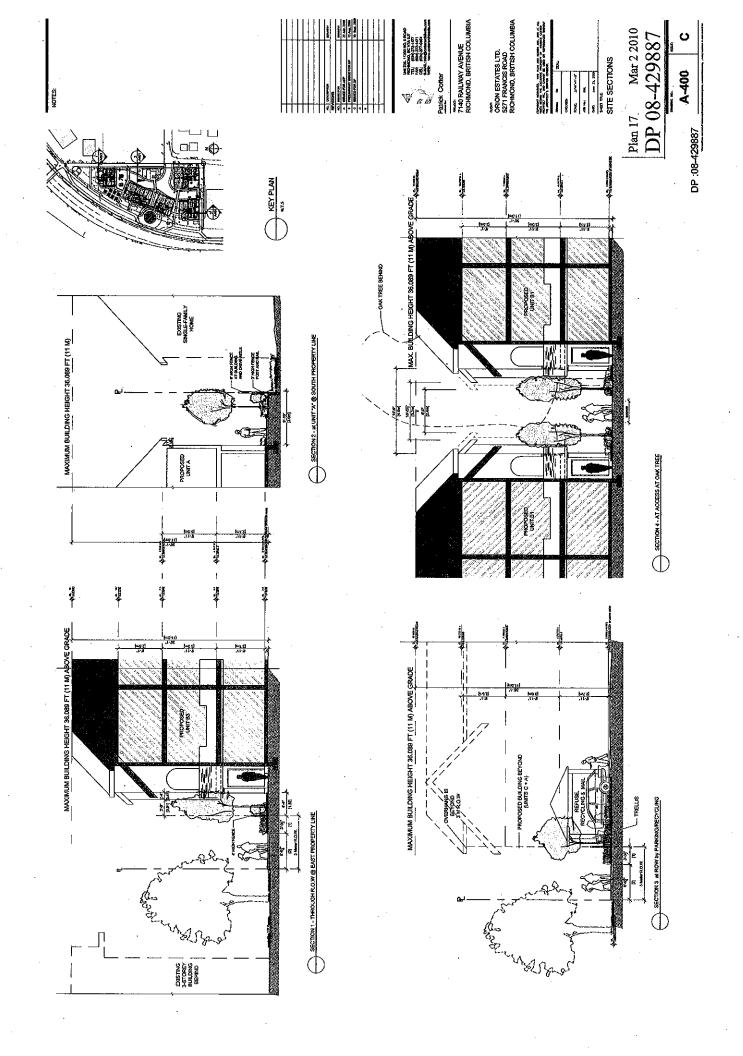


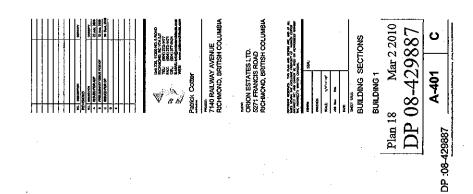


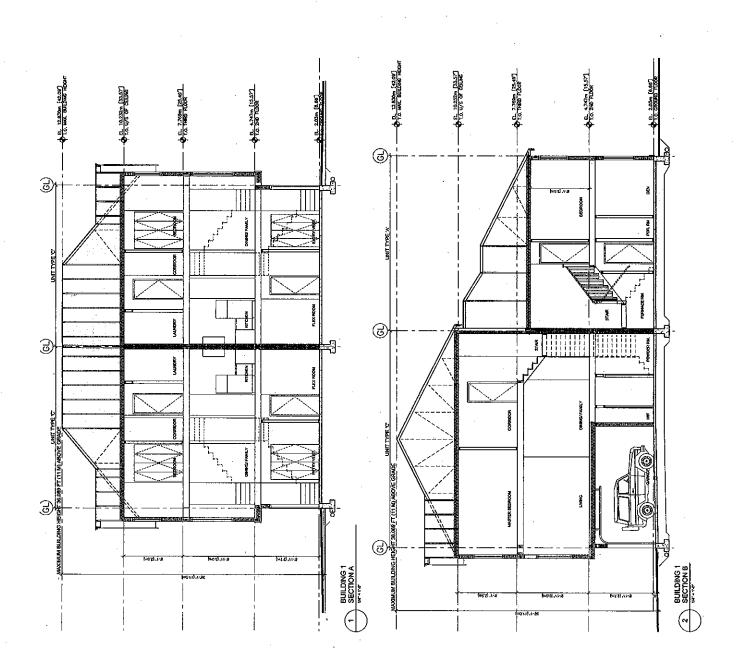


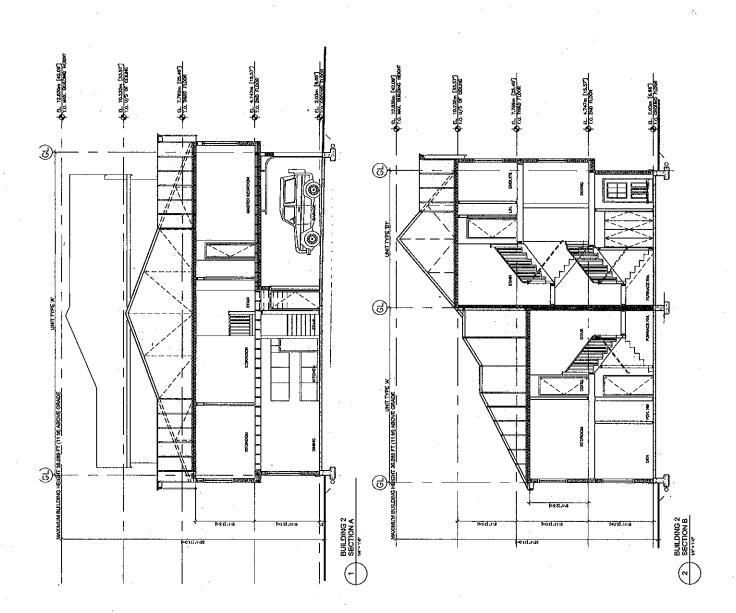




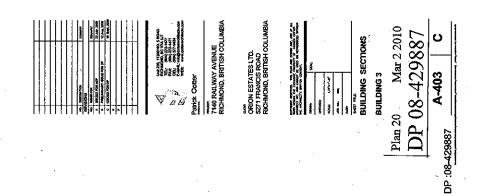


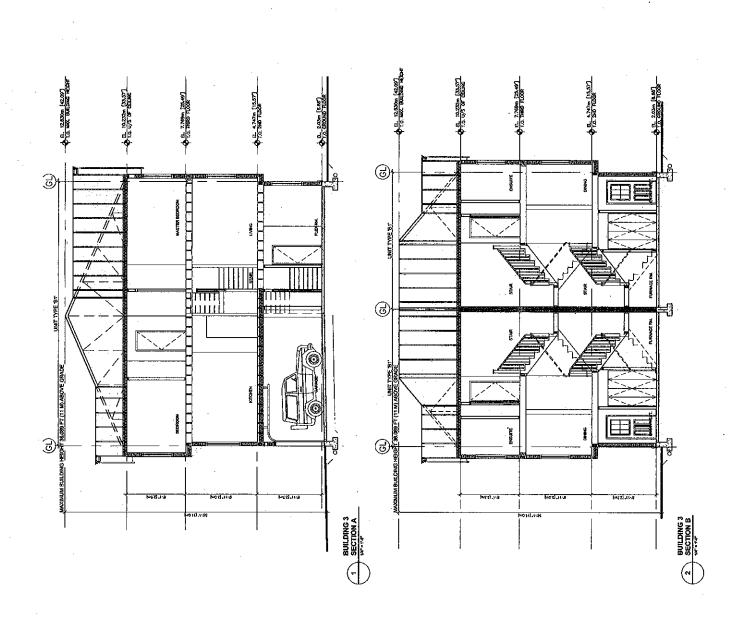


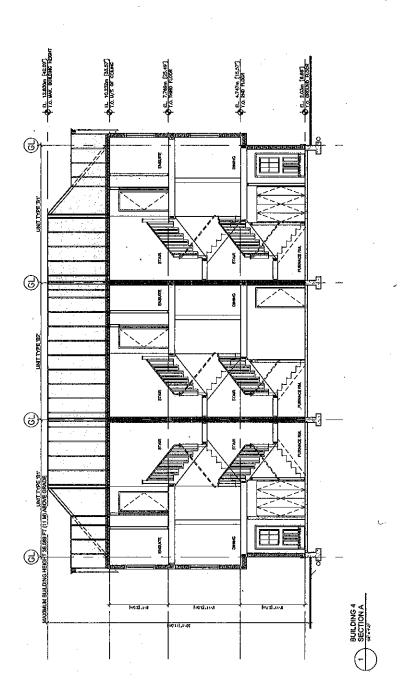




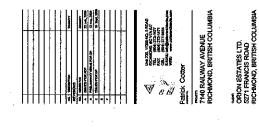
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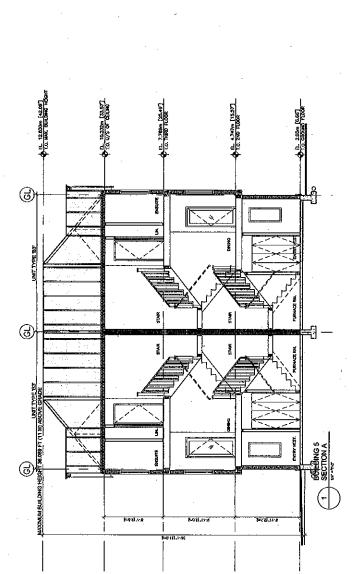






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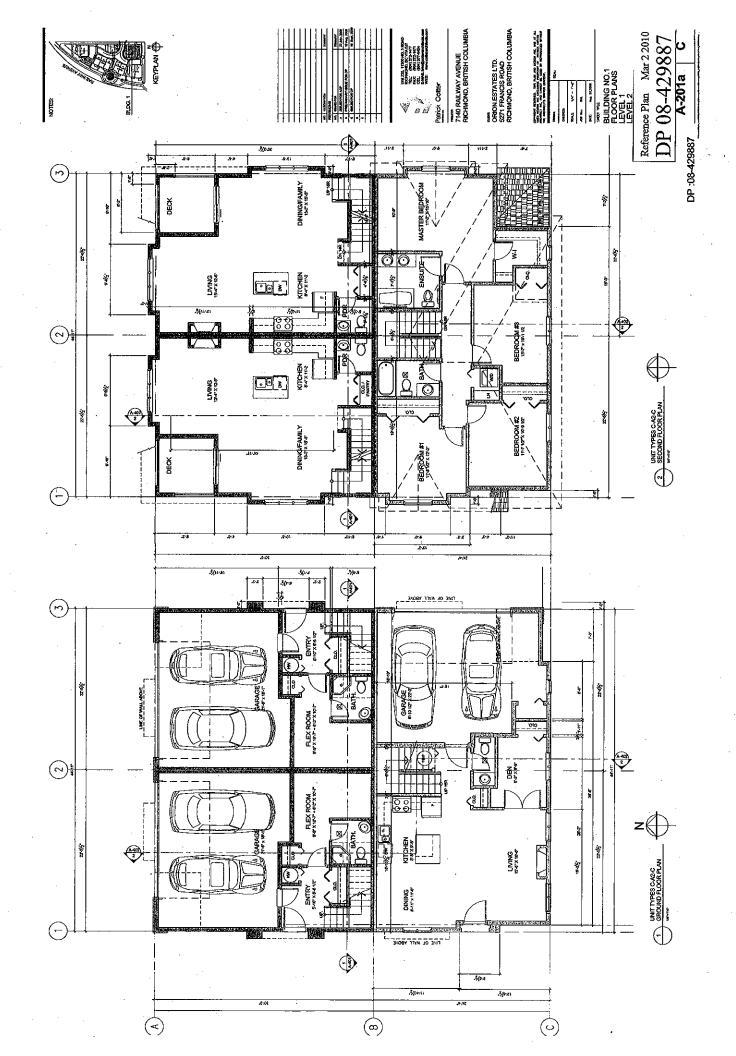


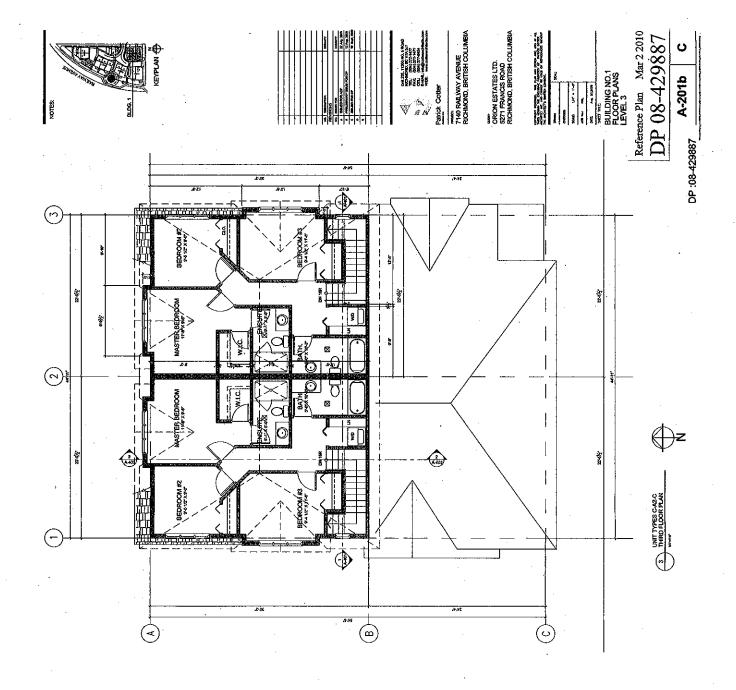
BUILDING SECTIONS
BUILDING 5

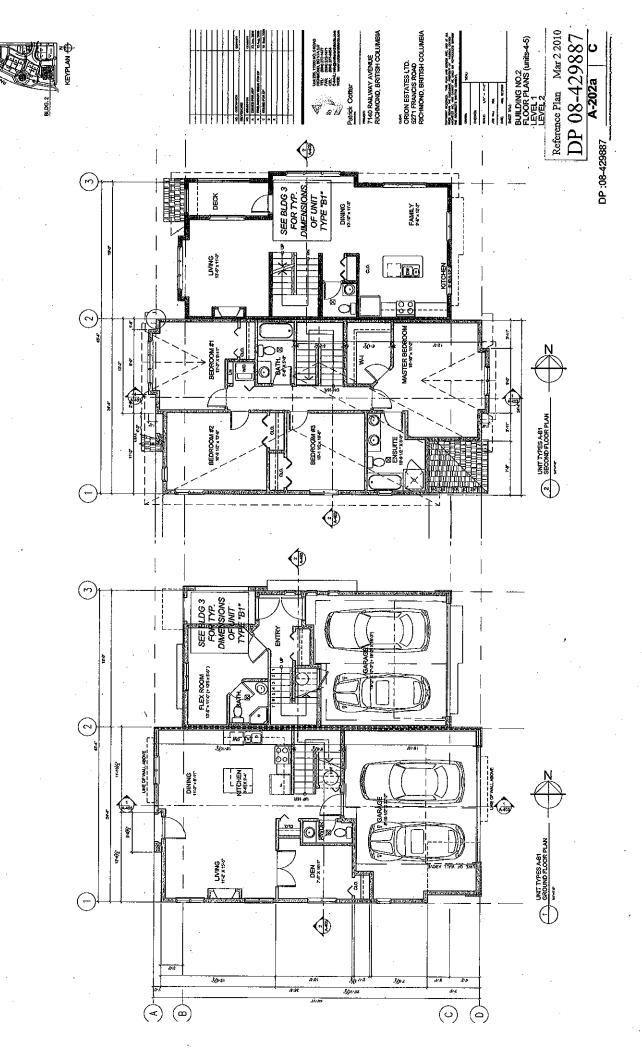
Plan 22 Mar 2 2010

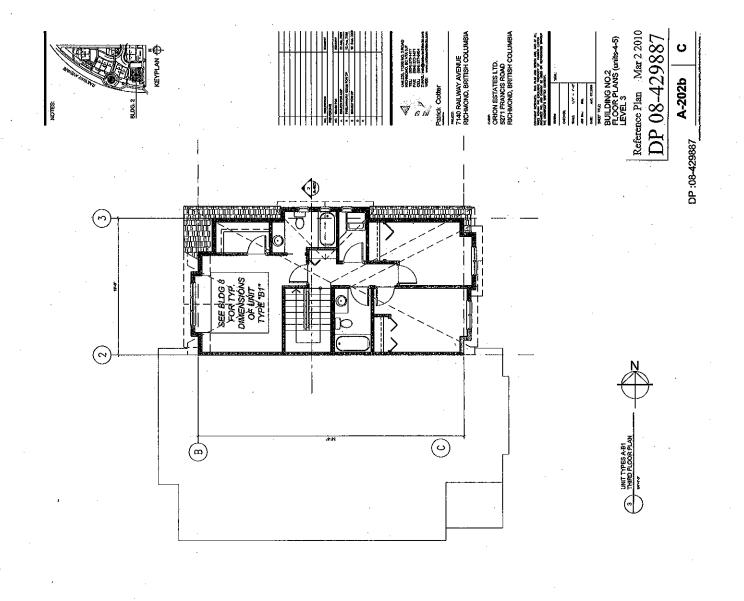
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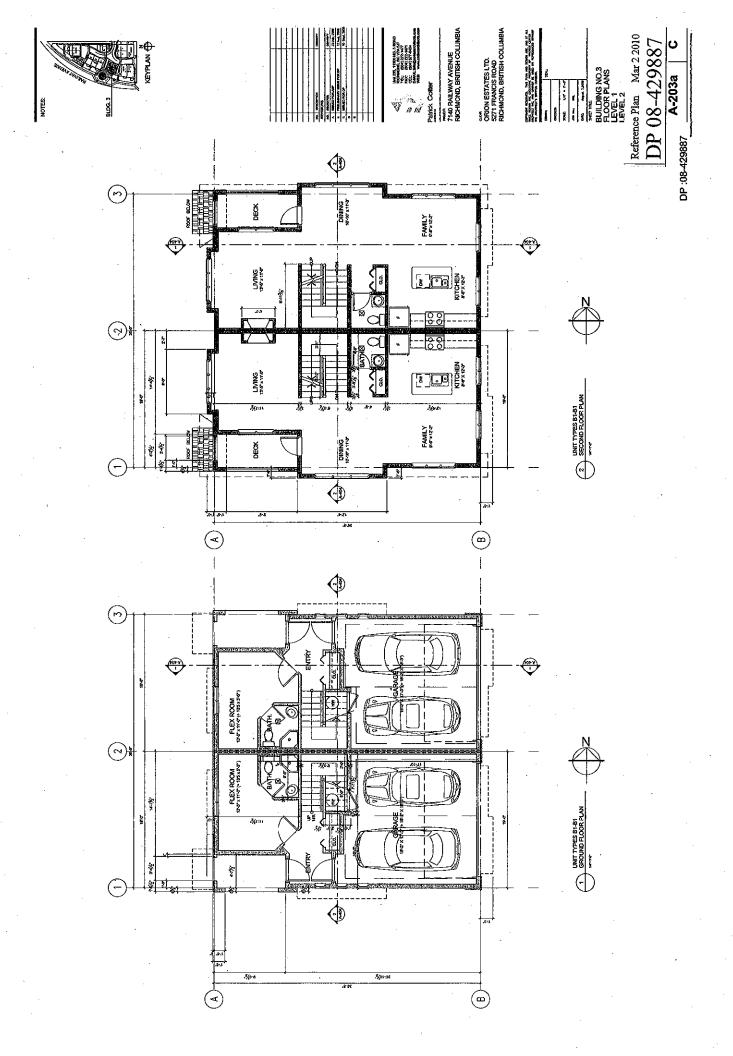
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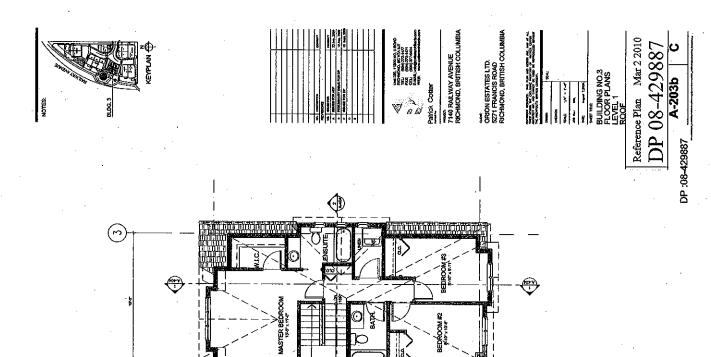






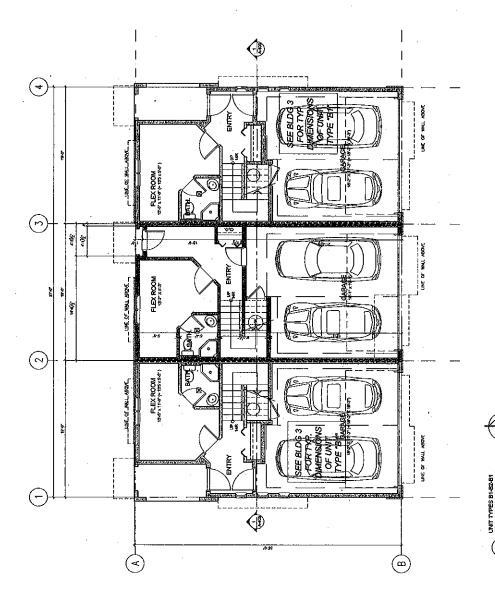




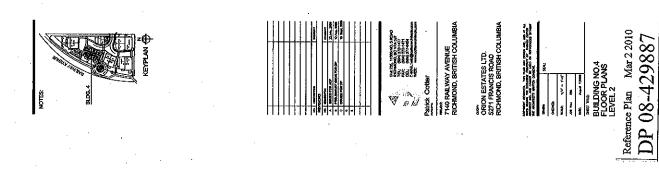








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