



## CITY OF VANCOUVER

### POLICY REPORT URBAN STRUCTURE

Report Date: September 6, 2005  
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RTS No.: 4435  
CC File No.: 5301  
Meeting Date: September 13, 2005

TO: Vancouver City Council  
FROM: Director of City Plans  
SUBJECT: RT-10/RT-10N and RM-1/RM-1N Districts Schedules

#### RECOMMENDATION

- A. THAT the Director of City Plans be instructed to make application to:
- (i) amend the Zoning and Development By-law to create a new RT-10/RT-10N Districts Schedule generally in accordance with Appendix A;
  - (ii) amend the Zoning and Development By-law to create a new RM-1/RM-1N Districts Schedule, generally in accordance with Appendix B;
  - (iii) rezone the "Kingsway and Knight Housing Plan" area shown as shaded in Figure 1 from RS-1, RS-1A, RS-2 and RT-2 to RT-10/RT-10 N;
  - (iv) rezone the "Kingsway and Knight Housing Plan" area shown as shaded in Figure 2 from RS-1, RT-2 and RS-1A to RM-1/RM-1N.
  - (v) amend the Zoning and Development By-law for consequential amendments generally in accordance with Appendix C.

FURTHER THAT the Director of Legal Services be instructed to prepare the necessary By-laws for consideration at the Public Hearing.

AND FURTHER THAT the application and By-laws be referred to a Public Hearing.

- B. THAT subject to approval of the By-laws at the Public Hearing, the By-laws be accompanied at the time of enactment by the RT-10/RT-10N Small House/Duplex and RM-1/RM-1N Courtyard Rowhouse Guidelines, generally as outlined in Appendix D to be adopted by resolution of Council.
- C. THAT subject to approval of the rezoning of the areas to RT-10/RT-10N; RM-1/RM-1N, the Subdivision By-law be amended to exclude the areas as shown in Figure 1 and Figure 2 from the regulations pertaining to RS-1/RS-1A/RS-2, and RT-2, as set out in Appendix C.
- D. THAT subject to approval of the rezoning of the areas to RT-10/RT-10N; RM-1/RM-1N, the Parking By-law be amended generally in accordance with Appendix C.

### GENERAL MANAGER'S COMMENTS

The General Manager of Community Services RECOMMENDS approval of the foregoing recommendations A to C.

### COUNCIL POLICY

- In July 2004, Council approved the Kingsway and Knight Housing Area Plan which proposed two new residential zones for Small House/Duplex and Courtyard Rowhouse development and identified the locations for the new zones.
- In July 2004, Council instructed the Director of City Plans to draft District Schedules and Guidelines for the two new residential zones, and report back for referral to Public Hearing an application to rezone the area around Kingsway and Knight

### SUMMARY

This report introduces two new Districts Schedules: RT-10/RT-10N Small House/Duplex zone (SH/D) and RM-1N and RM-1N Courtyard Rowhouse Zone (CYRH). This report also makes application to rezone the areas identified in the Council-approved Kingsway and Knight Housing Area Plan to these new zones, and refers the application to a Public Hearing.

A Housing Area Plan for Kingsway and Knight was approved by Council in July 2004 as part of the first Neighbourhood Centre Delivery Program. The RT-10/10N and RM-1/RM-1N schedules will deliver housing that includes many of the desirable features of the single family home, while providing a more affordable alternative. They are ground-oriented, suitable to a variety of family types, and designed to fit within the existing structure and scale of the neighbourhood. The new zones offer housing types that can respond to various market conditions and can be developed incrementally in an existing neighbourhood without the need for large land assemblies. These new zones are suitable for application to other parts of the

City's single family areas through future neighbourhood centre programs or to achieve other community Vision housing directives.

The new housing types were developed by staff, based on a review of small scale housing projects in Vancouver and elsewhere, discussions with local housing developers, and consultation with staff from Planning, Engineering, Housing, Real Estate, Fire Prevention and the Office of the City Building Inspector.

The draft RT-10/RT-10N and RM-1/ RM-1N guidelines are attached as Appendix C. Details of the new zoning and guidelines, parking standards and development cost levies are also outlined.

Public Consultation for the area to be rezoned (Kingsway and Knight Housing Plan Area) was extensive, with a kick-off event in January 2003, design charette, 4 open houses, and a mailed newsletter/survey to every property owners and business) and a random telephone survey. The Housing Area Plan was presented to the KCC CityPlan Committee and representatives from the Urban Development Institute (UDI), the Greater Vancouver Homebuilders Association (GVHBA) and the Vancouver Planning Commission (VCPC).

Public response to the Housing Area Plan was positive. The results of the mail-back and random sample telephone survey showed support in the 64% to 72% range for the new housing types and their locations.

The draft zoning schedules and design guidelines were presented to the Kingsway and Knight Housing Area Working group in July for review. Notification of the Public Hearing will be sent to all residents in the Housing Plan area.

Recommendation A is to refer the RT-10/RT-10N and RM-1/RM-1N Districts Schedules and the rezoning of the Kingsway and Knight Housing Area to a Public Hearing, and to amend the Zoning and Development By-law generally in accordance with Appendix C.

Recommendation B is for the RT-10 and RM-1N and RM-1N Guidelines to accompany the By-law for the new zones at time of enactment.

Recommendation C is for the Subdivision By-law to be amended subject to approval of the rezoning and the District Schedules.

## PURPOSE

This report recommends that Council refer to Public Hearing two new District Schedules: RT-10/RT-10N and RM-1/RM-1N and related guidelines. This report also recommends that Council refer to a Public Hearing the proposed rezoning of the areas shown in Figure 1 and Figure 2 to RT-10/RT-10 N and to RM-1/RM-1N respectively. Recommendations also include consequential amendments to the Zoning and Development By-law and the Subdivision By-law.

## BACKGROUND

In July 2002, Council approved the Neighbourhood Centre Delivery Program in the Kingsway and Knight area, as a means to implement the KCC Community Vision Directions for shopping area improvements and new housing types. As part of the 18-month NCDP program, staff worked with residents and business owners to create the Kingsway and Knight Housing Area Plan and the Public Realm and Pedestrian Traffic Improvements Plan which Council approved in July 2004. (Implementation of the Public Realm Plan is underway with construction taking place now. It includes measures to upgrade the appearance, amenity, comfort and safety of the Kingsway shopping area such as a landscaped median, street furniture, pedestrian crossings, mini-parks and public art.)

When the Housing Plan was approved, Council instructed staff to draft District Schedules and Guidelines that will govern the new housing types. Council also instructed staff to report back for referral to Public Hearing an application to rezone the Housing Plan area to the two new zones.

This fall, planning staff will commence another Neighbourhood Centres Delivery Program in a Neighbourhood Centre area through the Community Vision directions.

## DISCUSSION

The Housing Area Plan proposes two new residential zones: a RT-10/RT-10N Small House/Duplex (SH/D) zone and the RM-1/RM-1N Courtyard Rowhouse (CYRH). These zones will deliver housing that includes many of the desirable features of the single family home while providing a more affordable alternative. It will be ground-oriented, suitable to a variety of family types, and designed to fit within the existing structure and scale of the neighbourhood. The new zones offer housing types that can respond to various market conditions and can be developed incrementally in an existing neighbourhood without the need for large land assemblies. All new development will be subject to guidelines to ensure attractive building design, quality materials, landscaping and neighbourhood fit.

### A. Proposed District Schedules and Guidelines

#### 1. RT-10 and RT-10N Districts Schedule (Small House Duplex)

This zone would permit small houses that reflect the original scale and fabric of the area. It will produce infill, "min-houses", and/or duplexes in different combinations depending on whether the site comprises one, two, three or more typical lots. New SH/D development would be required to retain existing character houses and would be subject to full design review.

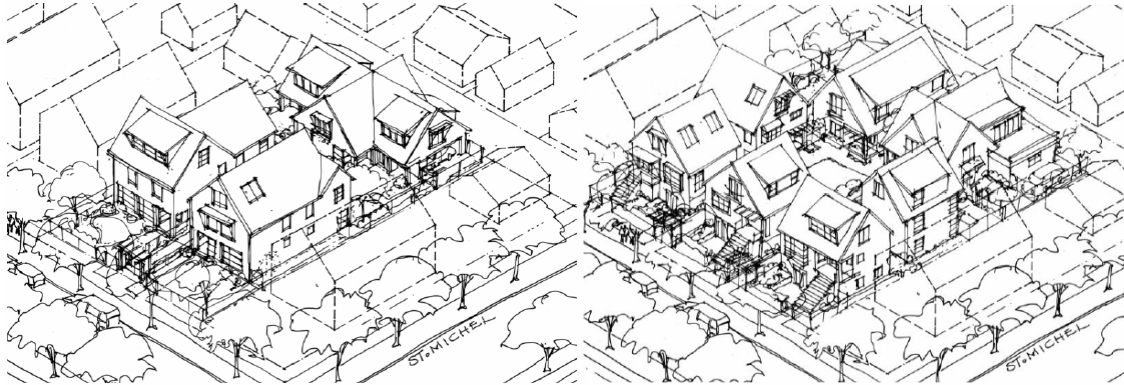
The quantitative parameters for small house/duplex development in the RT-10 zone are:

- a minimum site size of at least 511 m<sup>2</sup> (5,500 sq. ft.)
- a minimum frontage of at least 15.0 m (49.2 ft.)
- a 4.9 m (16 ft.) front yard
- a maximum height of 10.7 m (35 ft.) on the front and 7.7 m (25 ft.) on the rear

- parking at grade, accessed from the lane or the courtyard.
- typical unit sizes of 60.4 m<sup>2</sup> to 130m<sup>2</sup> (650 to 1,400 sq ft; and
- maximum .75 FSR; .80 FSR with character building(s) retention

On non-assembled sites (i.e., single lots), development would be similar to current RS 1 single family and duplex. However, new buildings would have design controls.

### Illustrations of Small House/Duplex



## 2. RM-1 and RM-1N Districts Schedule (Courtyard Rowhouse)

Courtyard rowhouse developments would have two rows of side-by-side units, one near the street the other near the lane. They would have smaller than usual front yards, and a courtyard between the front and rear units. They would all have full design review.

The quantitative parameters guiding courtyard rowhouse RM-1 are:

- a minimum site of at least 2 typical 10.1 m (33 ft.) wide lots (604 m<sup>2</sup>; 6,500 sq. ft.)
- a 2.4 m to 4.9 m (8 to 16 ft.) front yard;
- a maximum height of 10.7 m (35 ft.)
- parking at grade or underground, accessed off the lane;
- typical unit sizes of 111.5 m<sup>2</sup> to 130.1 m<sup>2</sup> (1,200 to 1,400 sq. ft.); and
- up to 1.0 FSR; up to 1.2 FSR if underground parking is provided.

On sites not large enough for courtyard row house developments (i.e., single lots), development would be similar to current RS-1 single family and duplex. However, new buildings would have design review.



### 3. RT-10/RT-10N and RM-1/RM-1N Guidelines

The guidelines that accompany the Districts Schedules will assist applicants and staff in designing and reviewing the proposed developments. The proposed guidelines are attached in Appendix C and would be brought forward for Council adoption at the time of enactment of the District Schedules. Minor changes may occur before then. The guidelines address new treatment.

#### B. Rezoning the Kingsway and Knight Housing Area

Most of the area is currently zoned single family residential (RS-1) along with some RS-1S, RS-1A, RS-2 and RT-2 zoning.

Properties along Kingsway, adjacent to the area proposed for rezoning, are zoned C-2, mixed use residential and commercial zoning. C-2 generally allows ground-level retail with three storeys of residential above. These are not proposed to be changed.

The Council-approved Kingsway and Knight Housing Area Plan specified locations for the two new zones.

Figures 1 and 2 show the locations of the proposed RT-10/RT-10N and RM-1/RM-1N within the Kingsway and Knight Housing area.

FIGURE 1 - PROPOSED RT-10/RT-10N ZONING AREA

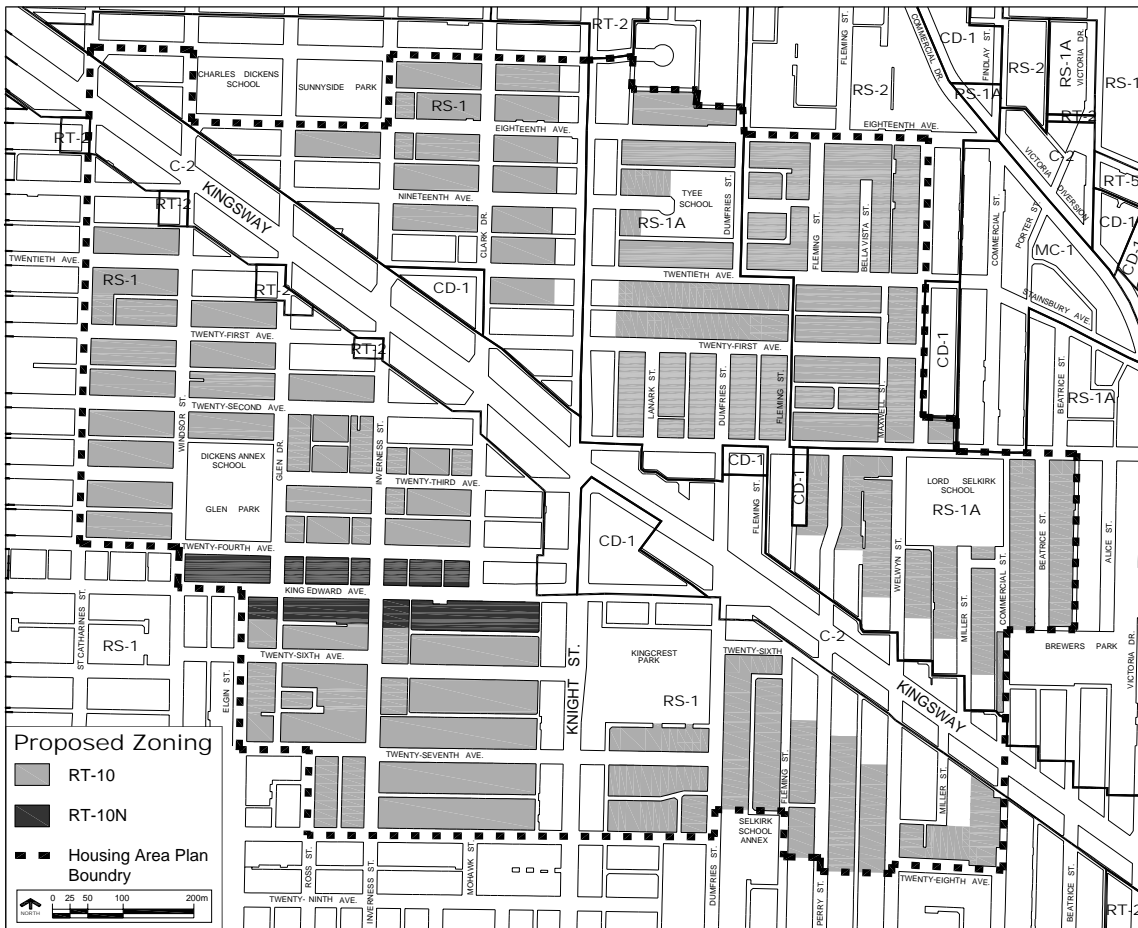
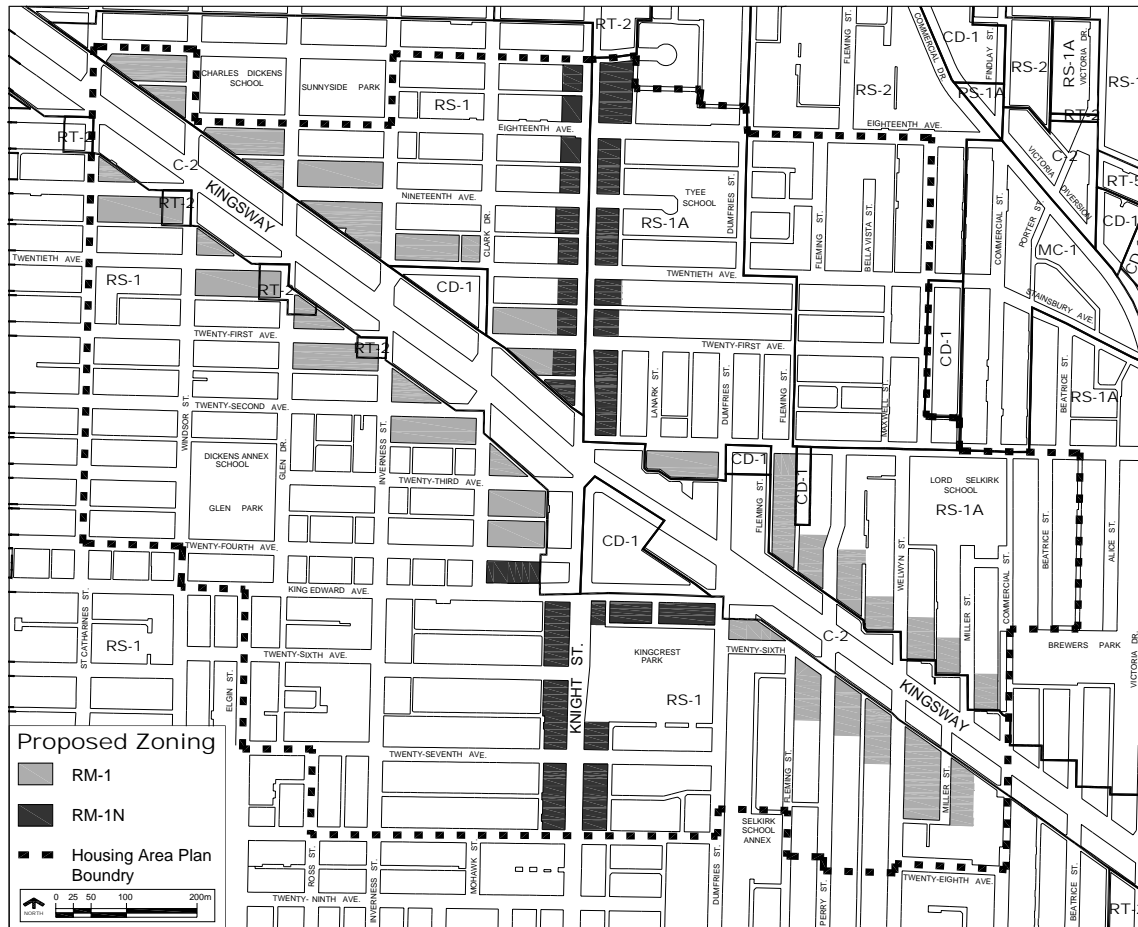


FIGURE 2 - PROPOSED RM-1/RM-1N ZONING AREA



The RT-10 zone is proposed in a fairly large area. It will introduce more housing variety in a way that fits well with the original scale and fabric of the area. The RT-10N, which includes acoustic requirements will be applied along King Edward, an arterial road with high traffic levels. The noise mitigation requirement is the only difference between the RT-10 and the RT-10N districts.

The RM-1 zone will be located along Knight Street and on the blocks behind the commercial mixed-use zone along Kingsway. The rowhouses will locate more housing convenient to transit and shopping, and provide a transition between the 4 storey C-2 zone along Kingsway and the smaller scale RT-10 zone.

The RM-1N zoning will be applied to the noisy arterial of Knight Street and along King Edward to provide better acoustic treatments to help mitigate noise from Knight Street and King Edward, higher traffic arterials.

Three storey apartments at the same density will be an option in the RM-1 in a small area around Kingsway and Knight. This will provide more housing choice for disabled and less



mobile seniors that is very close to services, shopping and transit, without being directly on an arterial.

### C. Consequential Amendments to other By-laws

#### (i) Amending the Subdivision By-law Schedule A and the Zoning and Development By-law

Since these new zones are replacing single family residential zones, the RS-1, RS-1A, RS-2, RT-2 areas in the proposed housing area will need to be deleted from the Subdivision By-law.

#### (ii) Amending the Parking By-law to include RT-10/RT-10N; RM-1/RM-1N

For both RT-10 and RM-1, Planning and Engineering staff have determined that a minimum parking standard of one on-site parking space per unit is appropriate for development at 1.0 FSR or less. The Parking By-law will be amended to reflect this. In addition, there will be a relaxation of one parking space for one small unit (i.e. less than 65 m<sup>2</sup>) per project. The amendments to the Parking By-law will be brought forward at the time of enactment.

### D. New Development Cost Levy Rates

On June 22, 2004, Council instructed staff to report back on an appropriate Development Cost Levy (DCL) rate for development in the two new zones, as well as residential developments with fewer than four units, with timing of the report to allow the DCLs to come into effect at the same time the zoning is enacted. The report recommending the amendments to the DCL system is scheduled to be brought forward prior to the Public Hearing.

### STAFFING IMPLICATIONS

The proposed zoning represents a small area and number of parcels relative to areas that already have similar types of discretionary zoning. Existing processing staff are expected to be able to handle the volume of applications.

|  | Acres | Parcels |
|--|-------|---------|
| Other Similar Discretionary Zones (RS-5, RS-7, RT-4, 5, 6, 7 and RT-8) | 2,500 | 17,400  |
| New RT-10 and RM-1 Zones   | 276   | 1,554   |

### PUBLIC CONSULTATION

The program that led to the Housing Area Plan included outreach and updates to community groups, a kick-off event in the community in January 2003, four newsletters with two surveys, a design charette, and four public open houses at different points in the process. All newsletters and surveys were distributed in both English and Chinese, and translations services were provided at public events.

There was also a series of meetings with a Housing Area Working Group in the housing area. This group was made up of area residents, property owners, and business owners. They brought their viewpoints as residents and property owners, and to help put forward ideas that the rest of the community might want to consider.

In April 2004, a newsletter/survey describing the draft Plan in English and Chinese was distributed to approximately 3,300 households in the housing plan area and in the block immediately adjacent. (325 absentee residential owners, 170 commercial property owners, 260 business license holders and interested individuals and groups.) The survey was also available for viewing on-line. Survey respondents were asked to comment on the new housing zones, possible locations, design guidelines and improvements to linkages and greening.

In total, 345 mail-back surveys were returned representing a return rate of approximately 7%. A random sample telephone survey was also conducted at the same time by the Mustel Group. This survey was based on the newsletter survey and had the same questions. It solicited 301 random telephone interviews were conducted representing a margin of error of +/-5.7%, at the 95% level of confidence. The results are generally consistent with those of the non-random survey.

Public response to the Housing Area Plan was positive in both surveys. For the proposed location of the courtyard rowhouse zone behind Kingsway, 65% (mail-back) and 68% (telephone) of respondents were supportive. For Courtyard Rowhouses along Knight the figures were 65% and 64%. For the Small House/ Duplex (SH/D) zone, the figures were 72% and 66%.

During the survey period, staff held two open houses to provide residents the opportunity to ask questions and to provide additional input. The open houses were advertised in the newsletter/survey with poster, newspaper ads and banners throughout the neighbourhood. About 75 people attended the open houses.

The draft district schedules and design guidelines were presented to the Kingsway and Knight Housing Area Working group in July for review. Notification of the Public Hearing will be sent to all residents in the Housing Plan Area.

## FINANCIAL IMPLICATIONS

There are no financial implications.

## CONCLUSION

This report introduces two new district schedules that will deliver a variety of housing types that includes many of the desirable features of the single family home, while providing a more affordable alternative. The accompanying guidelines will ensure overall quality of design and materials in all new development and ensure liveability and compatibility with existing development. Incentives for retaining character houses are a feature of both new schedules. Residents and property owners generally support the proposed rezoning of the Kingsway and Knight Housing Area.

\* \* \* \* \*

RT-10 and RT-10N Districts Schedule (Small House/Duplex)  
DRAFT BY-LAW PROVISIONS

By-law amendments will be prepared generally in accordance with the provisions listed below and are subject to change and refinement prior to By-law posting.

**1 Intent**

The intent of this Schedule is to encourage development of multiple small houses and duplexes on large lots and assembled sites, while continuing to permit lower intensity development on smaller sites. Siting and massing is intended to be compatible with, but not the same as, pre-existing single family development. Retention of older character buildings and high quality architectural design of all new development are encouraged.

**2 Outright Approval Uses**

2.1 Subject to all other provisions of this By-law and to compliance with the regulations of this Schedule, the uses listed in section 2.2 shall be permitted in this district and shall be issued a permit.

**2.2 Uses**

**2.2.A**

- Accessory Buildings customarily ancillary to any of the uses listed in this Schedule, provided that:
  - (a) no accessory building exceeds 3.7 m (12 ft) in height measured to the highest point of the roof if a flat roof, or 3.7 m (12 ft) measured to the deck line of a mansard roof, or to the mean height level between the eaves and the ridge of a gable, hip or gambrel roof, provided that no portion of an accessory building may exceed 4.6 m (15 ft) in height;
  - (b) all accessory buildings are located:
    - (i) within 7.1 m (26 ft) of the ultimate rear property line, but subject to clause (ii);
    - (ii) in no case less than 3.6 m (11.8 ft) from the ultimate centre line of any rear or flanking lane and less than 1.5 m (4.92 ft) from a flanking street, subject also to the provisions of section 11.1 of this By law;
  - (c) the total floor area, measured to the extreme outer limits of the building, of all accessory buildings is not greater than 48 m<sup>2</sup> (517 sq. ft.);
  - (d) not more than 80 percent of the width of the site at the rear property line of any lot is occupied by accessory buildings; and
  - (e) roof decks and sun decks are not located on an accessory building.
- Accessory Uses customarily ancillary to any of the uses listed in this section.

**2.2.DW [Dwelling]**

- Multiple Conversion Dwelling, provided that:

- (a) no additions shall be permitted;
- (b) no housekeeping or sleeping units shall be created;
- (c) the number of dwelling units is limited to two; and
- (d) no development permit shall be issued until the requisite permits required by other By-laws that relate to design, construction, and safety of buildings is issuable.

- One-Family Dwelling.

#### 2.2.1 [Institutional]

- Special Needs Residential Facility - Community Care - Class A, subject to the regulations and relaxations that apply to a one-family dwelling.

### 3 Conditional Approval Uses

3.1 Subject to all other provisions of this By-law, including section 3.3.3, and the provisions and regulations of this Schedule the Development Permit Board may approve any of the uses listed in section 3.2, including such conditions as it may decide, provided that it first considers:

- (a) the intent of this Schedule and all applicable policies and guidelines adopted by Council; and
- (b) the submission of any advisory group, property owner or tenant.

#### 3.2 Uses

##### 3.2.A

- Accessory Buildings customarily ancillary to any of the uses listed in this Schedule, other than as provided for in section 2.2.A of this Schedule.
- Accessory Uses customarily ancillary to any of the uses listed in this section.

##### 3.2.C [Cultural and Recreational]

- Club, provided that no commercial activities are carried on and the use does not adversely impact residential uses.
- Community Centre or Neighbourhood House.
- Library in conjunction with a Community Centre.
- Park or Playground.

3.2.D Deposition or extraction of material so as to alter the configuration of the land.

##### 3.2.DW [Dwelling]

- Dwelling Units, up to a maximum of two, in conjunction with a neighbourhood grocery store existing as of July 29, 1980, subject to the provisions of section 11.16 of this By-law.
- Infill One-Family Dwelling.
- Infill Two-Family Dwelling.
- Multiple Conversion Dwelling (other than as provided for in section 2.2.DW of this Schedule), resulting from the conversion of a building existing as of (date of enactment).
- One-Family Dwelling with Secondary Suite.
- Two-Family Dwelling.
- Seniors Supportive or Assisted Housing, subject to section 11.17 of this By-law.

#### 3.2.I [Institutional]

- Ambulance Station.
- Child Day Care Facility.
- Church, subject to the provisions of section 11.7 of this By-law.
- Hospital, subject to the provisions of section 11.9 of this By-law.
- Public Authority Use essential in this District.
- School - Elementary or Secondary, subject to the provisions of section 11.8 of this By law.
- Social Service Centre.
- Special Needs Residential Facility - Community Care - Class B, subject to the provisions of section 11.17 of this By law.
- Special Needs Residential Facility - Group Living, subject to the provisions of section 11.17 of this By law.

#### 3.2.R [Retail]

- Neighbourhood Grocery Store existing as of July 29, 1980, subject to the provisions of section 11.16 of this By-law.

#### 3.2.S [Service]

- Bed and Breakfast Accommodation, subject to the provisions of section 11.4 of this By-law.

### 3.2.U [Utilities and Communication]

- Public Utility.

## 4 Regulations

All uses approved under sections 2 and 3 of this District Schedule shall be subject to the following regulations.

### 4.1 Site Area

- 4.1.1 The minimum site area for one-family dwelling, one-family dwelling with secondary suite, multiple conversion dwelling, two-family dwelling, or any of these in combination with an infill one-family dwelling and infill two-family dwelling, shall be 306 m<sup>2</sup> (3,294 sq. ft.).
- 4.1.2 Notwithstanding Section 10.1 of this By-law, the Director of Planning may permit sites with a minimum site area of 511 m<sup>2</sup> (5500 sq. ft.), and conforming to Section 4.2.1, to have more than one principal building, provided the Director of Planning first considers all applicable policies and guidelines adopted by Council.

### 4.2 Frontage

- 4.2.1 Notwithstanding Section 10.1 of this By-law, the Director of Planning may permit sites with a minimum frontage of 15.0 m (49.2 ft) and conforming to Section 4.1.2, to have more than one principal building, provided the Director of Planning first considers all applicable policies and guidelines adopted by Council.

### 4.3 Height

- 4.3.1 A building shall not exceed 10.7 m (35 ft) in height in the front 60% of the site depth, and 7.7 m (25 ft) in the rear 40% of the site depth, except that the Director of Planning may vary the maximum height provided the Director of Planning first considers all applicable policies and guidelines adopted by Council.
- 4.3.2 A building shall not have more than 2 storeys, except that the Director of Planning may permit a building to exceed 2 storeys provided the Director of Planning first considers all applicable policies and guidelines adopted by Council.

### 4.4 Front Yard

- 4.4.1 On sites with a frontage greater than 18.3 m (60 ft), with more than one principal building, a front yard with a minimum depth of 4.9 m (16 ft) shall be provided.
- 4.4.2 On other sites, a front yard with a minimum depth equal to the average of the minimum front yard depths on the two adjacent sites shall be provided, except that:

- (a) where an adjacent site is vacant, the next adjacent site that is not vacant should be used to determine the average;
  - (b) if one or more of the adjacent sites front on a street other than that of the development site, or the adjacent sites area separated by a street or lane, or the Director of Planning is satisfied that one or more of the adjacent sites is an anomaly, then such adjacent sites shall not be used in computing the average;
  - (c) where the site is adjacent to a flanking street or lane, the depth shall equal the single adjacent site.
- 4.4.3 Provided he first considers all applicable policies and guidelines adopted by Council, the Director of Planning may vary the front yard requirement on a corner site; on a double fronting site; on a site where a building line has been established pursuant to section 14.1 of this By-Law; and on other sites.
- 4.4.4 Covered porches complying with section 4.7.3 (g) shall be permitted to project into the required front yard a maximum of 1.2 m (4 ft).
- 4.4.5 Notwithstanding the provisions of Section 10.7.1 (b) of the By-law, eaves and gutters or other similar projections as determined by the Director of Planning may project into the minimum front yard to a maximum of 1.0 m measured horizontally.
- 4.5 Side Yards**
- 4.5.1 A side yard with a minimum width of 10 percent of the width of the site shall be provided on each side of the buildings, except that the side yard need not exceed 1.2 m (4 ft) in width.
- 4.5.2 In the case of a corner site which has located at its rear, with or without the intervention of a lane, a site which fronts on the street flanking the corner site, the exterior side yard shall be a minimum of 2.4 m (8 ft).
- 4.5.3 On all sites, an additional side yard with a minimum width of 4.9 m (16 ft) and minimum length equal to 25 percent of the site depth shall also be provided on each side of the site. Each of these side yards shall be located so that its rear boundary is not less than 6.7 m (22 ft), nor more than a distance equal to 35 percent of the site depth, from the ultimate rear property line.
- 4.5.4 Provided the Director of Planning first considers all applicable policies and guidelines adopted by Council, the Director of Planning may vary the side yard requirements on a corner site; on a double fronting site; on a site where a building line has been established pursuant to section 14.1 of this By-Law; and on other sites.
- 4.5.5 Notwithstanding the provisions of Section 10.7 of the By-law, the following shall be permitted to project into the required side yards:
- (i) covered porches complying with Section 4.7.3 (f) to a maximum of 1.2 m (4 ft), where a side yard of at least 2.4 m (8 ft) in width has been provided; and

- (ii) eaves and gutters or other similar projections as determined by the Director of Planning, up to a maximum of 1.0 m (3.2 ft) measured horizontally, except that they must not be closer than 0.7 m (2.2 ft.) to a side property line.

4.5.6 Notwithstanding the provisions of Section 10.7 of the By-law, and provided he first considers all the applicable policies and guidelines adopted by Council, the Director of Planning may permit other projections into the required side yards.

#### 4.6 Rear Yard

4.6.1 A rear yard with a minimum depth of 0.6 m (2 ft) shall be provided. Where the rear property line abuts a lane that is only partially dedicated, or where a lane dedication is required, the rear yard to be provided shall be measured from the ultimate rear property line.

4.6.2 Where the rear property line does not abut a lane, and a lane dedication is not required, a rear yard with a minimum depth of 1.2 m (4 ft) shall be provided, but the Director of Planning may increase the required rear yard provided the Director of Planning first considers all applicable policies and guidelines adopted by Council.

4.6.3 Notwithstanding the provisions of Section 10.7.1 (b) of the By-law, eaves and gutters or other similar projections as determined by the Director of Planning may project into a minimum rear yard to a maximum of 1.0 m (3.2 ft) measured horizontally.

#### 4.7 Floor Space Ratio

4.7.1 The floor space ratio shall not exceed 0.40, except that provided he first considers the intent of this District Schedule, all applicable policies and guidelines adopted by Council, and the submissions of all advisory groups, property owners or tenants, the Director of Planning may permit:

- (a) for dwelling uses, an increase in the floor space ratio up to a maximum 0.80;
- (b) for other uses permitted by this District Schedule, an increase in the floor space ratio up to a maximum of 0.60 for all these uses combined.

4.7.2 The following shall be included in the computation of floor space ratio:

- (a) all floors, including earthen floor, to be measured to the extreme outer limits of the building;
- (b) stairways, fire escapes, elevator shafts, and other features which the Director of Planning considers similar, to be measured by their gross cross-sectional areas and included in the measurements for each floor at which they are located;
- (c) where the distance from a floor to the floor above, or where there is no floor above to the top of the roof joists, exceeds 3.7 m, and amount equal to the area of the floor below the excess height.

4.7.3 The following shall be excluded in the computation of floor space ratio:



- (a) open residential balconies or sundecks, and any other appurtenances which, in the opinion of the Director of Planning, are similar to the foregoing, provided that the total area of these exclusions does not exceed eight percent of the permitted residential floor area;
- (b) patios and roof gardens, provided the Director of Planning first approves the design of sunroofs and walls;
- (c) where floors are used for off-street parking and loading, bicycle storage in multiple conversion dwellings containing 3 or more units or uses which in the opinion of the Director of Planning are similar to the foregoing, those floors or portions thereof not exceeding 7.3 m (23.9 ft.) in length so used, which:
  - (i) for dwelling uses, on sites with only one principal building, are located in an accessory building located on the site in accordance with section 2.2.A of this schedule or in an infill building up to a maximum of 48 m<sup>2</sup>;
  - (ii) for dwelling uses, on sites with no developed secondary access and with only one principal building, are located in a principal building, an accessory building, or infill building up to a maximum area that the Director of Planning may determine provided the Director of Planning first considers all applicable policies and guidelines adopted by Council;
  - (iii) for dwelling uses, on sites with more than one principal building, are located in a principal building or an accessory building up to a maximum area of 24 m<sup>2</sup> (258 sq ft.) per dwelling unit;
  - (iv) for dwelling uses, on sites with no developed secondary access and with more than one principal building, are located in a principal building, or an accessory building up to a maximum area that the Director of Planning may determine provided the Director of Planning first considers all applicable policies and guidelines adopted by Council;
  - (v) for non-dwelling uses, are located at or below base surface.
- (d) areas of undeveloped floors which are located:
  - (i) above the highest storey or half-storey and to which there is no permanent means of access other than a hatch; or
  - (ii) adjacent to a storey or half-storey with a ceiling height of less than 1.2 m; or
  - (iii) under covered verandas or porches as described in section (g) below, and to which there is no permanent means of access.
- (e) floors located at or below finished grade with a ceiling height of less than 1.2 m; and
- (f) covered verandas or porches, provided that:
  - (i) the portion facing the street, rear property line, or common open space shall be open or protected by guard rails the height of which shall not exceed the minimum specified in the Building By-law; and
  - (ii) the total area of these exclusions, when combined with the balcony and deck exclusions under section 4.7.3 (a), does not exceed 13 percent of the permitted floor space; and

- (iii) the ceiling height, excluding roof structures, of the total area being excluded does not exceed 3.1 m (10 ft) measured from the porch floor.
- (g) where exterior walls greater than 152 mm in thickness have been recommended by a Building Envelope Professional as defined in the Building By-law, the area of the walls exceeding 152 mm, but to a maximum exclusion of 152 mm thickness, except that this clause shall not apply to walls in existence prior to March 14, 2000.

#### 4.8 Site Coverage

- 4.8.1 The maximum site coverage for buildings shall be 45 percent of the site area.
- 4.8.2 For the purpose of this section, site coverage for buildings shall be based on the projected area of the outside of the outermost walls of all buildings and includes carports, but excludes steps, eaves, balconies, and sundecks.
- 4.8.3 Except where the principal use of the site is a parking area, the maximum site coverage for any portion of the site used as parking area shall be 30 percent.
- 4.8.4 The area of impermeable materials, including building coverage, shall not exceed 70 percent of the total site area.
- 4.8.5 For the purposes of section 4.8.4 the following materials shall be considered impermeable: the projected area of the outside of the outermost walls of all buildings including carports, covered porches and entries; asphalt; concrete; brick; stone; and wood.
- 4.8.6 Notwithstanding section 4.8.5, gravel, river rock less than 5 cm in size, wood chips, bark mulch, permeable pavers, wood decking with spaced boards and other materials which, in the opinion of the Director of Planning, have fully permeable characteristics when in place installed on grade with no associated layer of impermeable material (such as plastic sheeting) that would impede the movement of water directly to the soil below, are excluded from the area of impermeable materials.

4.9 to 4.14 (Reserved)

#### 4.15 Acoustics

- 4.15.1 A development permit application for a dwelling use in RT-10N District shall require evidence in the form of a report and recommendation by persons trained in acoustics and current techniques of noise measurements, demonstrating that the noise levels expressed in decibels in those portions of the dwelling units listed below shall not exceed the noise levels expressed in decibels set opposite such portions of the dwelling units. For the purposes of this section the noise level is the A-weighted 24-hour equivalent (Leq) sound level and will be defined simply as the noise level in decibels.

| Portion of Dwelling Unit         | Noise Level (Decibels) |
|----------------------------------|------------------------|
| Bedrooms                         | 35                     |
| Living, dining, recreation rooms | 40                     |

Kitchen, bathrooms, hallways

45

#### **4.16 Building Depth**

4.16.1 For sites where there is one principal building or one principal building with infill, the maximum distance between the required minimum front yard and the rear of the principal building shall be 40 % of the site depth (measured prior to any required lane dedication).

4.16.2 The Director of Planning may permit the maximum building depth to be increased, provided he first considers all applicable policies and guidelines adopted by Council.

#### **4.17 External Design**

4.17.1 A portion of the surface of the ground adjoining a building may be lowered and excluded from the average elevation for the purpose of calculating finished grade, when the purpose is to provide light or access to a basement or cellar, provided that:

- (a) the lowered surface does not extend more than 3.1 m from the building; and
- (b) that portion of the building abutting the lowered surface, is not greater than half the width of the building, or 4.6 m, whichever is the lesser; and
- (c) the lowered surface does not extend into the 1.2 m (4 ft.) side yard or as prescribed in Section 4.5.1.

#### **4.18 Dwelling Unit Density**

4.18.1 On sites 18.3 m (60 ft.) or more in frontage, the total number of dwelling units shall not exceed 74 units per hectare (30 units per acre) except where the calculation of dwelling units per hectare results in a fractional number the number shall be rounded down.

4.18.2 On sites equal to or greater than 15.0 m (49.2 ft.) but less than 18.3 m (60 ft.), in frontage, the total number of dwelling units shall not exceed three.

4.18.3 On sites with less than 15.0 m (49.2 ft.) in frontage, the total number of dwelling units shall not exceed two, except that the Director of Planning may increase this to 3 units provided he first considers all applicable policies and guidelines adopted by Council.

4.18.4 The Director of Planning may vary the number of dwelling units resulting from sections 4.18.1, 4.18.2, and 4.18.3 provided he first considers all applicable policies and guidelines adopted by Council.

#### **5 Relaxation of Regulations**

5.1 The Director of Planning may relax the minimum site area provisions of section 4.1 with respect to any of the following developments if the lot was on record in the Land Title Office for Vancouver prior to (date of enactment):

- (a) one-family dwelling;
  - (b) one-family dwelling with secondary suite;
  - (c) two-family dwelling.
- 5.2 The Development Permit Board or the Director of Planning, as the case may be, may relax the area and site coverage limitations for accessory buildings and sections 4.7 and 4.9 of the Parking By law where the Development Permit Board or the Director of Planning is satisfied that adequate off-street parking on any site less than 36.5 m in depth cannot otherwise be accommodated, provided that in developments where a carport or garage is planned he also has regard to the effect on neighbouring sites of building height, shadow, open space and landscaping.

RM-1 and RM-1N Districts Schedule (Courtyard Rowhouse)  
DRAFT BY-LAW PROVISIONS

By-law amendments will be prepared generally in accordance with the provisions listed below and are subject to change and refinement prior to By-law posting.

**1 Intent**

The intent of this Schedule is to encourage development of courtyard rowhouses on larger sites while continuing to permit lower intensity development on smaller sites. Siting and massing is intended to be compatible with, but not the same as, pre-existing single family development. High quality architectural design of all new development is encouraged.

**2 Outright Approval Uses**

2.1 Subject to all other provisions of this By-law and to compliance with the regulations of this Schedule, the uses listed in section 2.2 shall be permitted in this district and shall be issued a permit.

**2.2 Uses**

2.2A Accessory Buildings customarily ancillary to any of the uses listed in this Schedule, provided that:

- (a) no accessory building exceeds 3.7 m (12 ft) in height measured to the highest point of the roof if a flat roof, or 3.7 m (12 ft) measured to the deck line of a mansard roof, or to the mean height level between the eaves and the ridge of a gable, hip or gambrel roof, provided that no portion of an accessory building may exceed 4.6 m (15 ft) in height;
- (b) all accessory buildings are located:
  - (i) within 7.1 m (26 ft.) of the ultimate rear property line; but subject to clause (ii);
  - (ii) in no case less than 3.6 m (11.8 ft.) from the ultimate centre line of any rear or flanking lane and less than 1.5 m from a flanking street, subject also to the provisions of section 11.1 of this By law;
- (c) the total floor area, measured to the extreme outer limits of the building, of all accessory buildings is not greater than 48 m<sup>2</sup> (517 sq. ft.);
- (d) not more than 80 percent of the width of the site at the rear property line of any lot is occupied by accessory buildings; and
- (e) roof decks and sun decks are not located on an accessory building.

- Accessory Uses customarily ancillary to any of the uses listed in this section.

**2.2.DW [Dwelling]**

- Multiple Conversion Dwelling, provided that:

- (b) no additions shall be permitted;
- (c) no housekeeping or sleeping units shall be created;
- (d) the number of dwelling units is limited to two; and
- (e) no development permit shall be issued until the requisite permits required by other By-laws that relate to design, construction, and safety of buildings is issuable.

- One-Family Dwelling.

#### 2.2.1 [Institutional]

- Special Needs Residential Facility - Community Care - Class A, subject to the regulations and relaxations that apply to a one-family dwelling.

### 3 Conditional Approval Uses

3.1 Subject to all other provisions of this By law, including section 3.3.3, and the provisions and regulations of this Schedule the Development Permit Board may approve any of the uses listed in section 3.2, including such conditions as it may decide, provided that it first considers:

- (a) the intent of this Schedule and all applicable policies and guidelines adopted by Council; and
- (b) the submission of any advisory group, property owner or tenant.

#### 3.2 Use

3.2.A Accessory Buildings customarily ancillary to any of the uses listed in this Schedule, other than as provided for in section 2.2.A of this Schedule.

- Accessory Uses customarily ancillary to any of the uses listed in this section.

#### 3.2.C [Cultural and Recreational]

- Club, provided that no commercial activities are carried on and the use does not adversely impact residential uses.
- Community Centre or Neighbourhood House.
- Library in conjunction with a Community Centre.
- Park or Playground.

3.2.D Deposition or extraction of material so as to alter the configuration of the land.

#### 3.2.DW [Dwelling]

- Dwelling Units, up to a maximum of two, in conjunction with a neighbourhood grocery store existing as of July 29, 1980, subject to the provisions of section 11.16 of this By-law.

- Infill One-Family Dwelling
- Infill Two-Family Dwelling
- Multiple Conversion Dwelling (other than as provided for in section 2.2.DW of this Schedule), resulting from the conversion of a building existing as of (date of enactment).
- Multiple Dwelling
- One-Family Dwelling with Secondary Suite
- Two-Family Dwelling.
- Seniors Supportive or Assisted Housing, subject to section 11.17 of this By-law.

3.2.I [Institutional]

- Ambulance Station.
- Child Day Care Facility.
- Church, subject to the provisions of section 11.7 of this By-law.
- Hospital, subject to the provisions of section 11.9 of this By-law.
- Public Authority Use essential in this District.
- School - Elementary or Secondary, subject to the provisions of section 11.8 of this By law.
- Social Service Centre.
- Special Needs Residential Facility - Community Care - Class B, subject to the provisions of section 11.17 of this By-law.
- Special Needs Residential Facility - Group Living, subject to the provisions of section 11.17 of this By-law.

3.2.R [Retail]

- Neighbourhood Grocery Store existing as of July 29, 1980, subject to the provisions of section 11.16 of this By-law.

3.2.S [Service]

- Bed and Breakfast Accommodation, subject to the provisions of section 11.4 of this By-law.

### 3.2.U [Utilities and Communication]

- Public Utility.

## 4 Regulations

All uses approved under sections 2 and 3 of this District Schedule shall be subject to the following regulations.

### 4.1 Site Area

- 4.1.1 The minimum site area for a one-family dwelling, one-family dwelling with secondary suite, multiple conversion dwelling, two-family dwelling, or any of these in combination with an infill one-family dwelling, or infill two-family dwelling shall be 306 m<sup>2</sup> (3294 sq. ft.).
- 4.1.2 The minimum site area for a multiple dwelling shall be 604 m<sup>2</sup> (6500 sq. ft.), and notwithstanding section 10.1 of this By-law these sites may have more than one principal building.
- 4.1.3 Provided he first considers all applicable policies and guidelines adopted by Council, the Director of Planning may permit multiple dwelling and/or more than one principal building on sites smaller than 604 m<sup>2</sup> (6500 sq. ft.)

### 4.2 Frontage

- 4.2.1 The minimum frontage for a multiple dwelling shall be 18.3 m (60 ft).

### 4.3 Height

- 4.3.1 A building shall not exceed 10.7 m (35 ft.) in height.
- 4.3.2 A building shall not have more than 2 storeys, except that the Director of Planning may permit a building to exceed 2 storeys provided he first considers all applicable policies and guidelines adopted by Council.
- 4.3.2 Provided he first considers all applicable policies and guidelines adopted by Council, the Director of Planning may vary the maximum height.

### 4.4 Front Yard

- 4.4.1 On sites with a multiple dwelling, a front yard with a minimum depth of 3.1 m (10 ft.), increased to 4.9 m (16 ft) within 4.9 m (16 ft) of the side property lines, shall be provided.



- 4.4.2 On other sites, a front yard with a minimum depth equal to the average of the minimum front yard depths on the two adjacent sites shall be provided, except that:
- (a) where an adjacent site is vacant, the next adjacent site that is not vacant should be used to determine the average;
  - (b) if one or more of the adjacent sites front on a street other than that of the development site, or the adjacent sites area separated by a street or lane, or the Director of Planning is satisfied that one or more of the adjacent sites is an anomaly, then such adjacent sites shall not be used in computing the average;
  - (c) where the site is adjacent to a flanking street or lane, the depth shall equal the single adjacent site.
- 4.4.3 Provided he first considers all applicable policies and guidelines adopted by Council, the Director of Planning may vary the front yard requirement on a corner site; on a double fronting site; on a site where a building line has been established pursuant to section 14.1 of this By-Law; and on other sites.
- 4.4.4 Covered porches complying with section 4.7.3 (g) shall be permitted to project into the required front yard a maximum of 1.2 m (4 ft.).
- 4.4.5 Notwithstanding the provisions of Section 10.7.1 (b) of the By-law, eaves and gutters or other similar projections as determined by the Director of Planning may project into the minimum front yard to a maximum of 1.0 m (3.28 ft.) measured horizontally.
- 4.5 Side Yards**
- 4.5.1 A sideyard with a minimum width of 10 percent of the width of the site shall be provided on each side of the buildings, except that the sideyard need not exceed 1.2 m (4 ft.) in width.
- 4.5.2 In the case of a corner site which has located at its rear, with or without the intervention of a lane, a site which fronts on the street flanking the corner site, the exterior side yard shall be a minimum of 2.4 m (8 ft).
- 4.5.3 On all sites, an additional side yard with a minimum width of 4.9 m (16 ft) and minimum length equal to 25 percent of the site depth shall also be provided on each side of the site. Each of these sideyards shall be located so that its rear boundary is not less than 6.7 m (22 ft.), nor more than a distance equal to 35 percent of the site depth, from the ultimate rear property line.
- 4.5.4 Provided he first considers all applicable policies and guidelines adopted by Council, the Director of Planning may vary the side yard requirements on a corner site; on a double fronting site; on a site where a building line has been established pursuant to section 14.1 of this By-Law; and on other sites.
- 4.5.5 Notwithstanding the provisions of Section 10.7 of the By-law, the following shall be permitted to project into the required side yards:
- (i) covered porches complying with Section 4.7.3 (g) to a maximum of 1.2 m (4 ft.) where a side yard of at least 2.4 m (8 ft) in width has been provided; and

- (ii) eaves and gutters or other similar projections as determined by the Director of Planning, up to a maximum of 1.0 m (3.2 ft.) measured horizontally, except that they must not be closer than 0.7 m (2.2 ft.) to a side property line.

4.5.6 On a corner site, where a side yard of at least 2.4 m (8 ft.) has been provided, covered porches complying with section 4.7.3 (g) shall be permitted to project into the required side yard a maximum of 1.2 m (4 ft.).

4.5.7 Notwithstanding the provisions of Section 10.7 (b) of the By-law, eaves and gutters or other similar projections as determined by the Director of Planning may project into a minimum side yard to a maximum of 1.0 m, measured horizontally, except that they must not be closer than 0.7 m from a side property line.

#### 4.6 Rear Yard

4.6.1 A rear yard with a minimum depth of 0.6 m (2 ft.) shall be provided. Where the rear property line abuts a lane that is only partially dedicated, or where a lane dedication is required, the rear yard to be provided shall be measured from the ultimate rear property line.

4.6.2 Where the rear property line does not abut a lane, and a lane dedication is not required, a rear yard with a minimum depth of 1.2 m (4ft.) shall be provided, but the Director of Planning may increase the required rear yard provided he considers all applicable policies and guidelines adopted by Council.

4.6.3 Notwithstanding the provisions of Section 10.7.1 (b) of the By-law, eaves and gutters or other similar projections as determined by the Director of Planning may project into a minimum rear yard to a maximum of 1.0 m (3.2 ft.)

#### 4.7 Floor Space Ratio

4.7.1 The floor space ratio shall not exceed 0.40, except that provided he first considers the intent of this District Schedule, all applicable policies and guidelines adopted by Council, and the submissions of all advisory groups, property owners or tenants, the Director of Planning may permit:

- (a) for multiple dwelling or seniors supportive or assisted housing, an increase in the floor space ratio up to a maximum 1.2;
- (b) for other dwelling uses, an increase in the floor space ratio up to a maximum of 0.65;
- (c) for other uses permitted by this District Schedule, an increase in the floor space ratio up to a maximum of 0.60 for all these uses combined.

4.7.2 The following shall be included in the computation of floor space ratio:

- (a) all floors, including earthen floor, to be measured to the extreme outer limits of the building;
- (b) stairways, fire escapes, elevator shafts, and other features which the Director of Planning considers similar, to be measured by their gross cross-sectional areas and included in the measurements for each floor at which they are located.

- (c) where the distance from a floor to the floor above, or where there is no floor above to the top of the roof joists, exceeds 3.7 m, an amount equal to the area of the floor below the excess height.

4.7.3 The following shall be excluded in the computation of floor space ratio:

- (a) open residential balconies or sundecks, and any other appurtenances which, in the opinion of the Director of Planning, are similar to the foregoing, provided that the total area of these exclusions does not exceed eight percent of the permitted residential floor area;
- (b) patios and roof gardens, provided the Director of Planning first approves the design of sunroofs and walls;
- (c) where floors are used for off-street parking and loading, bicycle storage in multiple conversion dwellings containing 3 or more units or uses which in the opinion of the Director of Planning are similar to the foregoing, those floors or portions thereof not exceeding 7.3 m in length so used, which:
  - (i) for multiple dwellings, are at or above base surface and located in a principal building, up to a maximum of 24 m<sup>2</sup> per dwelling unit; or are located below base surface;
  - (ii) for other dwelling uses, are located in an accessory building located on the site in accordance with section 2.2.A of this schedule or in an infill building up to a maximum of 48 m<sup>2</sup>;
  - (iii) for dwelling uses, on sites with more than one principal building, are located in a principal building or an accessory building up to a maximum area of 24 m<sup>2</sup> (258 sq ft.) per dwelling unit;
  - (iv) for other dwelling uses located on sites with no developed secondary access, are located in a principal building, an accessory building, or infill building up to a maximum area that the Director of Planning may determine provided he first considers all applicable policies and guidelines adopted by Council;
  - (v) for non-dwelling uses, are located at or below base surface.
- (d) areas of undeveloped floors which are located:
  - (i) above the highest storey or half-storey and to which there is no permanent means of access other than a hatch; or
  - (ii) adjacent to a storey or half-storey with a ceiling height of less than 1.2 m; or
  - (iii) under covered verandas or porches as described in section (g) below, and to which there is no permanent means of access.
- (e) floors located at or below finished grade with a ceiling height of less than 1.2 m; and
- (f) covered verandas or porches, provided that:
  - (i) the portion facing the street or rear property line shall be open or protected by partial walls or guard rails the height of which shall not exceed the minimum specified in the Building By law; and
  - (ii) the total area of these exclusions, when combined with the balcony and deck exclusions under section 4.7.3(a), does not exceed 13 percent of the permitted floor space;
- (g) where exterior walls greater than 152 mm in thickness have been recommended by a Building Envelope Professional as defined in the Building By-law, the area of the walls exceeding 152 mm, but to a maximum exclusion of 152 mm thickness, except that this clause shall not apply to walls in existence prior to March 14, 2000.

#### 4.8 Site Coverage

- 4.8.1 The maximum site coverage for buildings shall be 45 percent of the site area, except that for multiple dwellings, the maximum site coverage for buildings shall be 55 percent of the site area.
- 4.8.2 For the purpose of this section, site coverage for buildings shall be based on the projected area of the outside of the outermost walls of all buildings and includes carports, but excludes steps, eaves, balconies, and sundecks.
- 4.8.3 Except where the principal use of the site is a parking area, the maximum site coverage for any portion of the site used as parking area shall be 30 percent.
- 4.8.4 In the case of a sloping site where a structure is located in or beneath a yard, the structure shall be excluded from the site coverage calculation provided that it does not, except for required earth cover, permitted fences and similar items, project above the average elevation of the portions of the streets, lanes or sites located adjacent to such structure, and does not, in any event, project more than 1.0 m above the actual elevation of adjoining streets, lanes, and sites.
- 4.8.5 The area of impermeable materials, including building coverage, shall not exceed 75 percent of the total site area, except that the Director of Planning may increase this amount for developments providing underground parking.
- 4.8.6 For the purposes of section 4.8.4 the following materials shall be considered impermeable: the projected area of the outside of the outermost walls of all buildings including carports, covered porches and entries; asphalt; concrete; brick; stone; and wood.
- 4.8.7 Notwithstanding section 4.8.5, gravel, river rock less than 5 cm in size, wood chips, bark mulch, permeable pavers, wood decking with spaced boards and other materials which, in the opinion of the Director of Planning, have fully permeable characteristics when in place installed on grade with no associated layer of impermeable material (such as plastic sheeting) that would impede the movement of water directly to the soil below, are excluded from the area of impermeable materials.

4.9 to 4.14 (Reserved)

#### 4.12 Dedication of Land for Road Widening

- 4.12.1 A dedication to the City up to a maximum of .9 m (2.95 ft.) at the front of a site for boulevard widening, as determined by the City Engineer shall be required for developments of sites which front Knight Street.
- 4.12.2 Where dedication is made, it shall be deemed not to reduce the site area for the purpose of calculating floor space ratio.

#### 4.15 Acoustics

4.15.1 A development permit application for a dwelling uses in RM-1N District shall require evidence in the form of a report and recommendation by persons trained in acoustics and current techniques of noise measurements, demonstrating that the noise levels expressed in decibels set opposite such portions of the dwelling units. For purposes of this section the noise level is the A-weighted 24-hour equivalent (Leq) sound level and will be defined simply as the noise level in decibels.

| Portion of Dwelling Unit         | Noise Level (Decibels) |
|----------------------------------|------------------------|
| bedrooms                         | 35                     |
| living, dining, recreation rooms | 40                     |
| Kitchen, bathrooms, hallways     | 45                     |

#### 4.16 Building Depth

4.16.1 For sites where there is one principle building or one principal building with infill, the maximum distance between the required minimum front yard and the rear of the principal building shall be 40 percent of the site depth (measured prior to any required lane dedication).

4.16.2 The Director of Planning may permit the maximum building depth to be increased provided he first considers all applicable policies and guidelines adopted by Council.

#### 4.17 External Design

4.17.1 A portion of the surface of the ground adjoining a building may be lowered and excluded from the average elevation for the purpose of calculating finished grade, when the purpose is to provide light or access to a basement or cellar, provided that:

- (a) the lowered surface does not extend more than 3.1 m from the building; and
- (b) that portion of the building abutting the lowered surface, is not greater than half the width of the building, or 4.6 m, whichever is the lesser; and
- (c) the lowered surface does not extend into the 1.2 m (4ft) side yard or as prescribed in Section 4.5.1.

#### 4.18 Dwelling Unit Density

4.18.1 For multiple dwelling use, maximum dwelling unit densities shall not exceed:

- (a) for development up to and including 1.0 FSR, 86 units per hectare (35 units/acre) except where the calculation of dwelling units per hectare results in a fractional number the number shall be rounded down.
- (b) for development more than 1.0 FSR, 98 units per hectare (40 units/acre).

4.18.2 Provided he first considers all applicable policies and guidelines adopted by Council, the Director of Planning may vary the number of units for multiple dwellings.

4.18.3 For other uses, the total number of dwelling units on a site shall not exceed 2, except that the Director of Planning may vary this to 3 units provided he first considers all applicable policies and guidelines adopted by Council.

**5 Relaxation of Regulations**

- 5.1 The Director of Planning may relax the minimum site area provisions of section 4.1 with respect to any of the following developments if the lot was on record in the Land Title Office for Vancouver prior to (date of enactment):
- (a) one-family dwelling;
  - (b) one-family dwelling with secondary suite;
  - (c) two-family dwelling.
- 5.2 The Development Permit Board or the Director of Planning, as the case may be, may relax the area and site coverage limitations for accessory buildings and sections 4.7 and 4.9 of the Parking By law where he is satisfied that adequate off-street parking on any site less than 36.5 m in depth cannot otherwise be accommodated, provided that in developments where a carport or garage is planned he also has regard to the effect on neighbouring sites of building height, shadow, open space and landscaping.

## Proposed Amendments to the Zoning and Development, Subdivision and Parking By-laws

### 1. Zoning and Development By-law

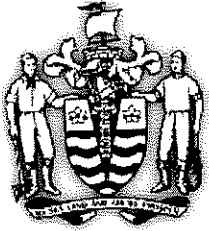
- Amend Section 3 to insert RT-10/RT-10N and RM-1/RM-1N after RT-9 in section 3.2.6
- Amend Section 5 to insert RT-10/RT-10N and RM-1/RM-1N after RT-9 in Section 5.14 in Column B
- Amend Section 5 to insert RM-1/RM-1N after
- Amend Section 9 to insert RT-10-10/RT-10N after RT-9 in section 9.1 and RM-1 and RM-1N before RM-2 in Section 9.1
- Amend the Zoning District Plan attached as Schedule D to By-law No. 3575 to change the zoning for the "Kingsway and Knight House Plan" area.

### 2. Subdivision By-law

- A consequential amendment is required to delete the RS-1 areas being rezoned from the RS-1, RS-3, RS-3A, RS-5 and RS-6 maps forming part of Schedule A of the Subdivision By-law
- An amendment will be required to add standards for RT-10/RT-10N and RM-1/RM-1N to Schedule A of the Subdivision By-law.

### 3. Parking By-law

For both RT-10 and RM-1, Planning and Engineering staff have determined that a minimum parking standard of one on-site parking space per unit is appropriate for development under 1.0 FSR. The Parking By-law will be amended to reflect this. In addition, there will be a relaxation of one parking space for one small unit (i.e. less than 65 m<sup>2</sup>) per project. The amendments to the Parking By-law, necessary to give effect to these changes will be brought forward at the time of enactment.

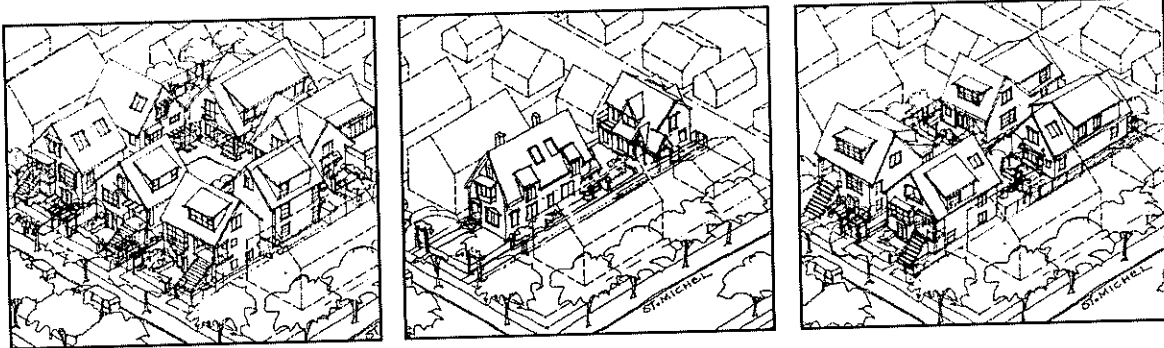


# City of Vancouver *Land Use and Development Policies and Guidelines*

Community Services, 453 W. 12th Ave Vancouver, BC V5Y 1V4 F 873.7344 fax 873.7060  
[planning@vancouver.ca](mailto:planning@vancouver.ca)

## **RT-10 AND RT-10N SMALL HOUSE/ DUPLEX GUIDELINES**

*Adopted by City Council on (date)*





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#### Appendix A

**Note:** The guidelines are organized under standardized headings. As a consequence, there are gaps in the numbering sequence where no guidelines apply.

## 1 Application and Intent

These guidelines are to be used in conjunction with the RT-10 District Schedule of the Zoning and Development By-law throughout the City.

The intent of these guidelines is to:

- (a) Encourage the development, on sites of sufficient size, of multiple small houses and duplexes in order to introduce a wider variety of housing choice into previously single-family zoned areas;
- (b) Ensure neighbourliness while recognizing that the new development's siting is not intended to be the same as earlier development under RS zoning;
- (c) Ensure high quality design, but allowing architectural diversity rather than prescribing any particular architectural character; and
- (d) Require or encourage the retention and renovation of character buildings (refer to Section 2 for definition of character buildings) (Heritage restoration or rehabilitation to more stringent standards is a voluntary option for any older building, but is not required under these guidelines.)

### 1.1 Minor Applications

Under RT-10, almost all development permit applications will involve a conditional use, or a discretionary variation in the regulations. This means a discretionary review process, which can be quite time-consuming.

There will be situations where an applicant wishes to make only a minor change to an existing development, and the application of a full set of guidelines would be onerous.

Where an application fulfills one or more of the following criteria, the application will be evaluated against the guidelines in Sections 2, 3 and 4 but not against those in 5, 7, and 8:

- (a) the number of units is not increasing (other than for the provision of a secondary suite);
- (b) additions are not proposed, or if proposed are less than 9.3 m<sup>2</sup> (100 sq. ft.) and are not visible from the street(s); and
- (c) an application to strata-title the development is not being made.

## 2 General Design Considerations

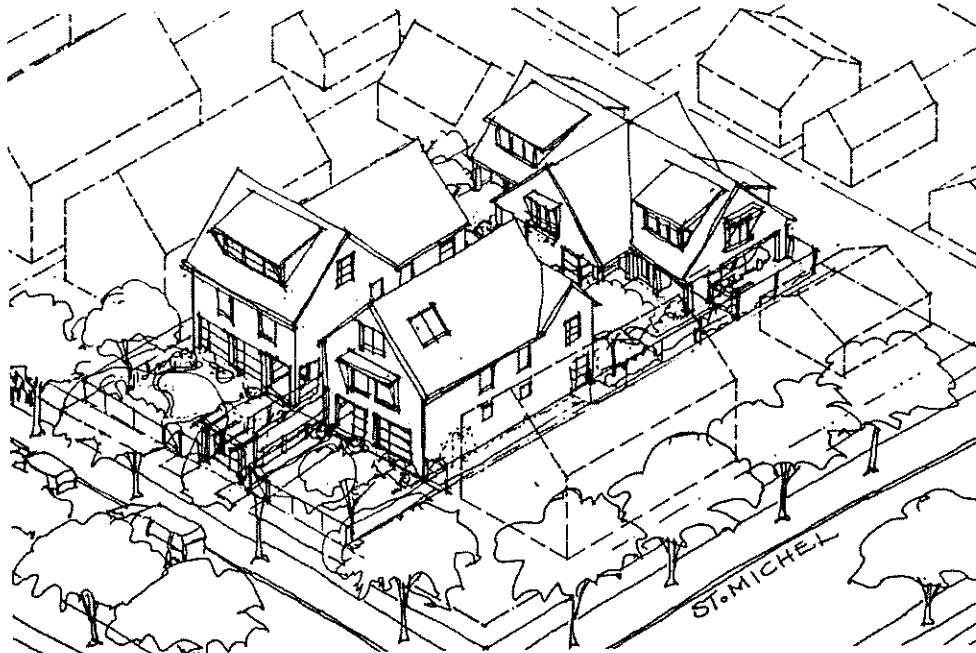
### 2.1/2.2 Neighbourhood/Streetscape Character

#### 2.1.1/2.2.1 Development Scenarios

- (a) Sites with a minimum area of 511 m<sup>2</sup> (5500 sq. ft.) and minimum frontage of 15.0 m (49.2 ft.) qualify for more than one principal building with a combination of dwelling uses. This type of development will be referred to as Small House/Duplex (SH/D) development. Figure - illustrates a variety of development scenarios: others may be possible.
- (b) On sites that do not qualify for SH/D development or that choose not to do SH/D development, the intent is to continue to allow approximately the same development potential that existed under RS zoning. These sites will be limited to one principal building, except that developments that choose to retain a character building may have an infill one- or two-family dwelling, as well as the principal building (subject to being able to meet fire access requirements).
- (c) No building should contain more than 2 dwelling units, unless it is a character building being retained as a multiple conversion dwelling with 3 or more units. (See S. 3).
- (d) Separations between buildings on the same site should be at least 2.4 m (8 ft.).
- (e) Provided Building By-law equivalencies can be achieved, lesser building separations may be considered:
- (i) to assist the retention of character buildings; and
  - (ii) for other buildings, provided that the appearance of them as separate smaller buildings is maintained.
- (f) Existing buildings, including character buildings, may be moved to achieve better siting and conform better to the regulations and guidelines.
- (g) Existing buildings may be raised to achieve adequate headroom for basement useability. In the case of character buildings the resulting main floor elevation should not be more than 2.0 m (6.5 ft) above the grade at the front of the building.

**Illustrative Examples of Small House / Duplex Development  
[Sites over 604 m<sup>2</sup> (6,500 sq. ft.) and 18.3 m (60 ft.) frontage]**

**Figure \_\_\_\_: Duplex Court Development on Two 10 m (33 ft.) Lots**



**Figure \_\_\_\_: Four Small Houses on Two 10 m (33 ft.) Lots**

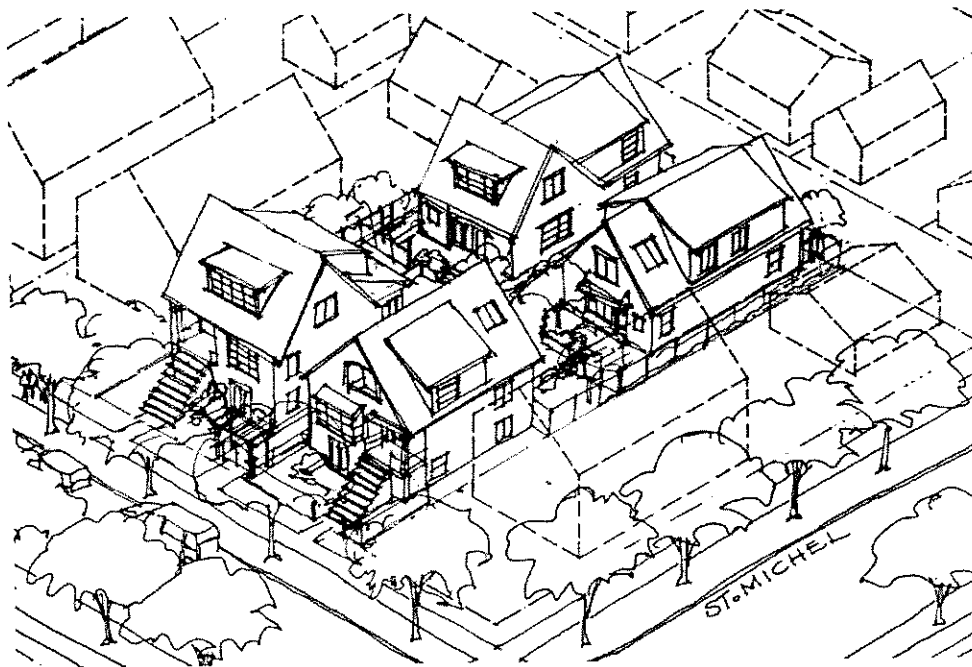


Figure \_\_\_\_: Four Small Houses on Two 10 m (33 ft.) Lots at a Corner

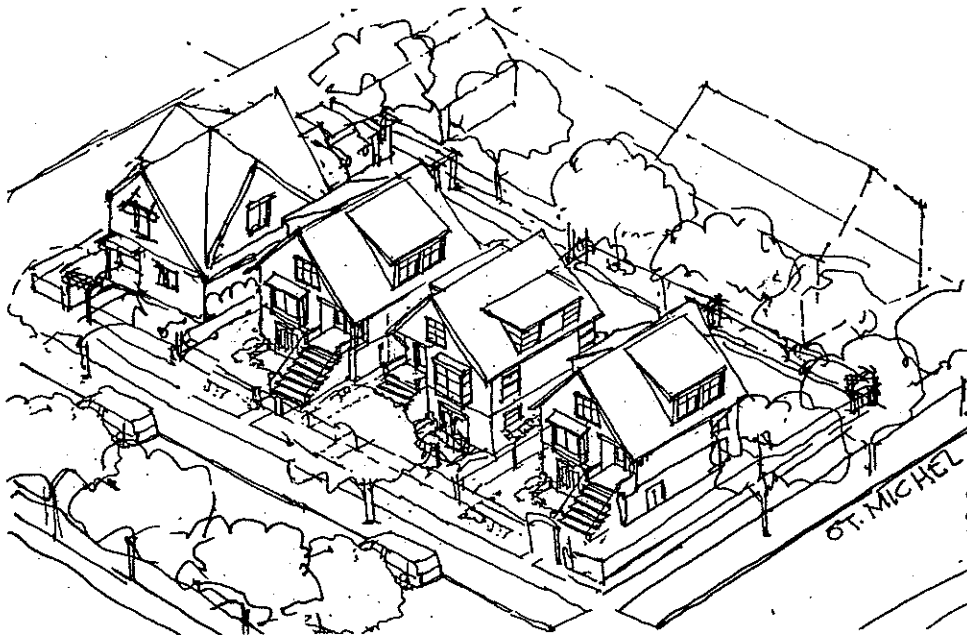


Figure \_\_\_\_: Cottage Development on Three 10 m (33 ft.) Lots or Two 15.24 m (50 ft.) Lots

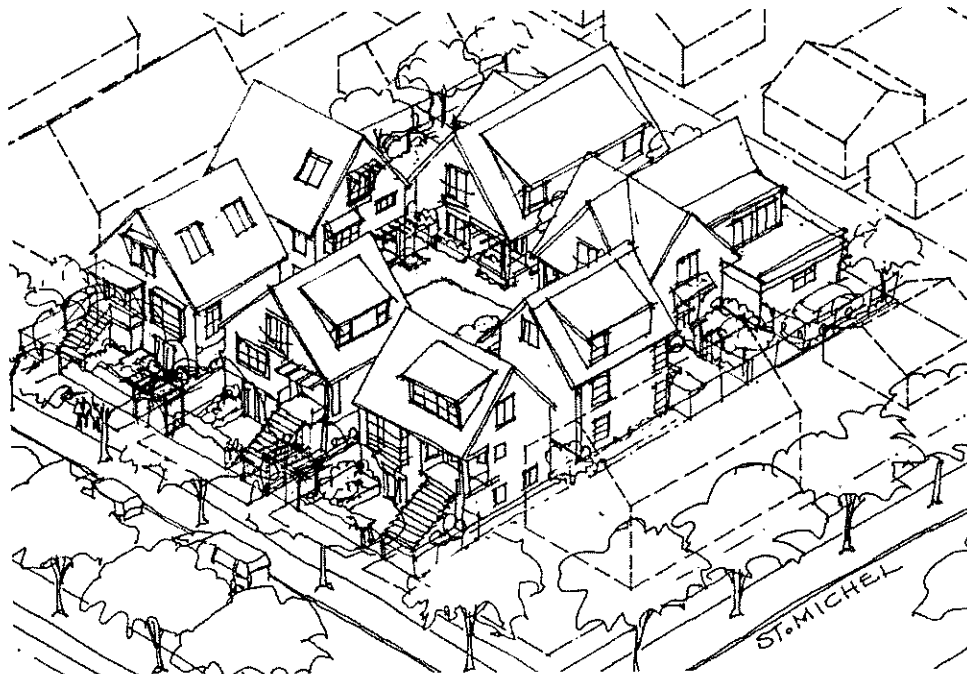
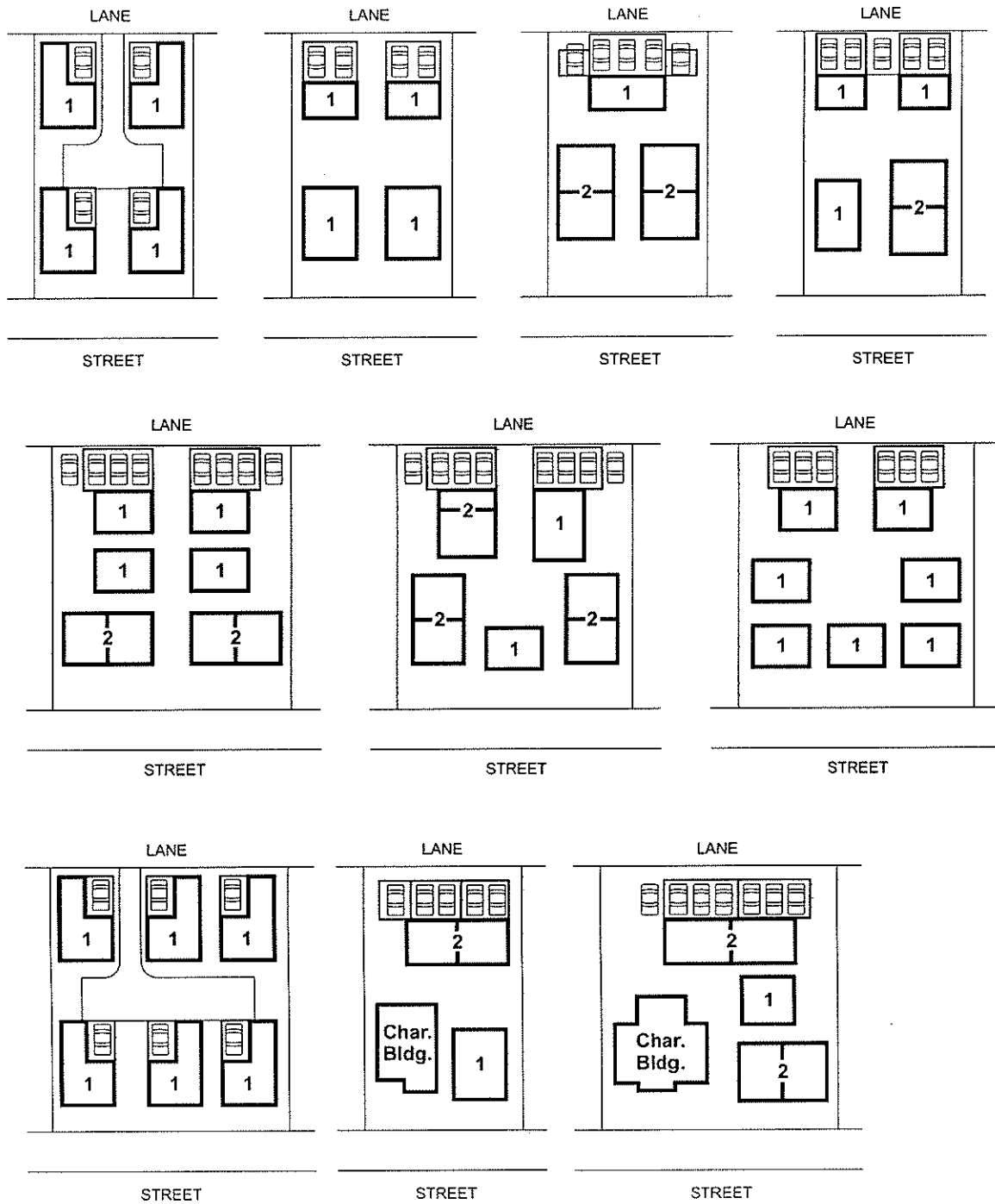
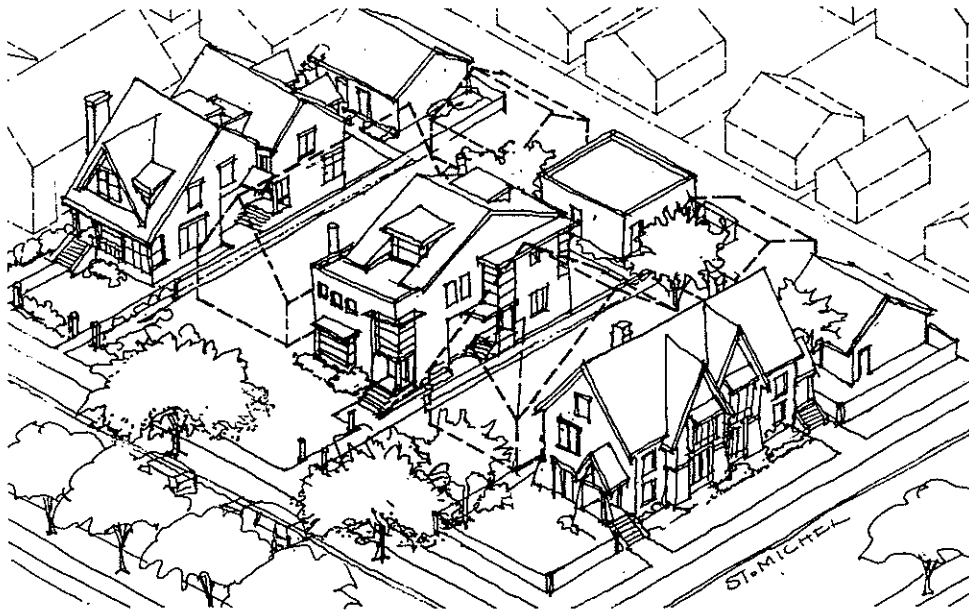


Figure \_\_\_\_: Small House / Duplex Development Scenario Examples  
 [Sites less than 18.2 m (60 ft.) assemblies]



**Illustrative Examples of Non-Single House / Duplex Development  
[Sites less than 511 m<sup>2</sup> (5,500 sq. ft.) and 15.2 m (50 ft.) frontage]**

**Figure \_\_\_\_\_: Duplex Option**



**Figure \_\_\_\_: Single-Lot Character House with Infill (Mid-block Location)**

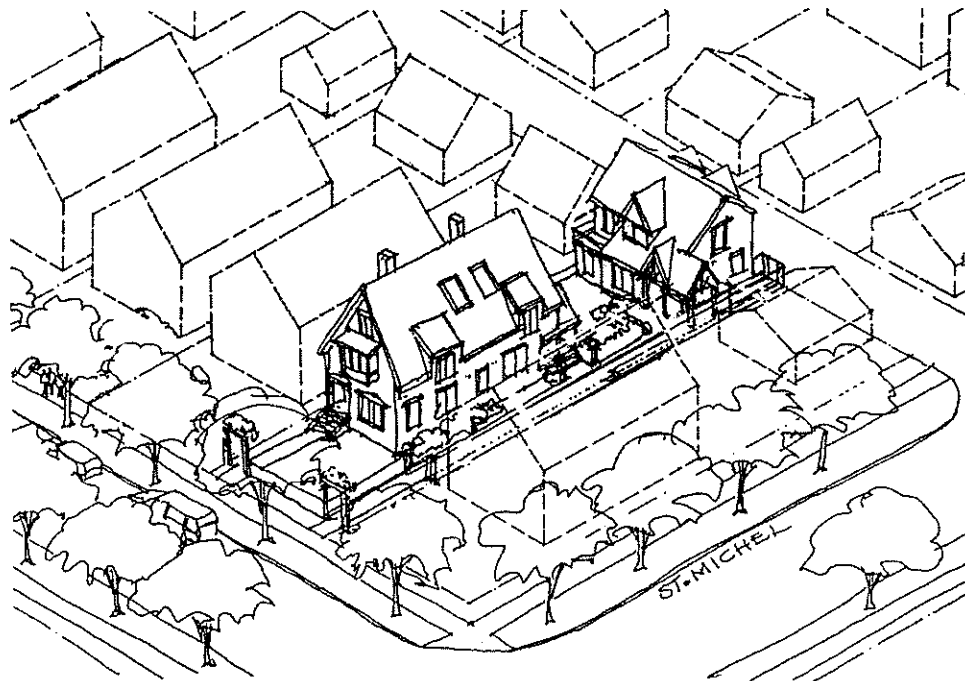
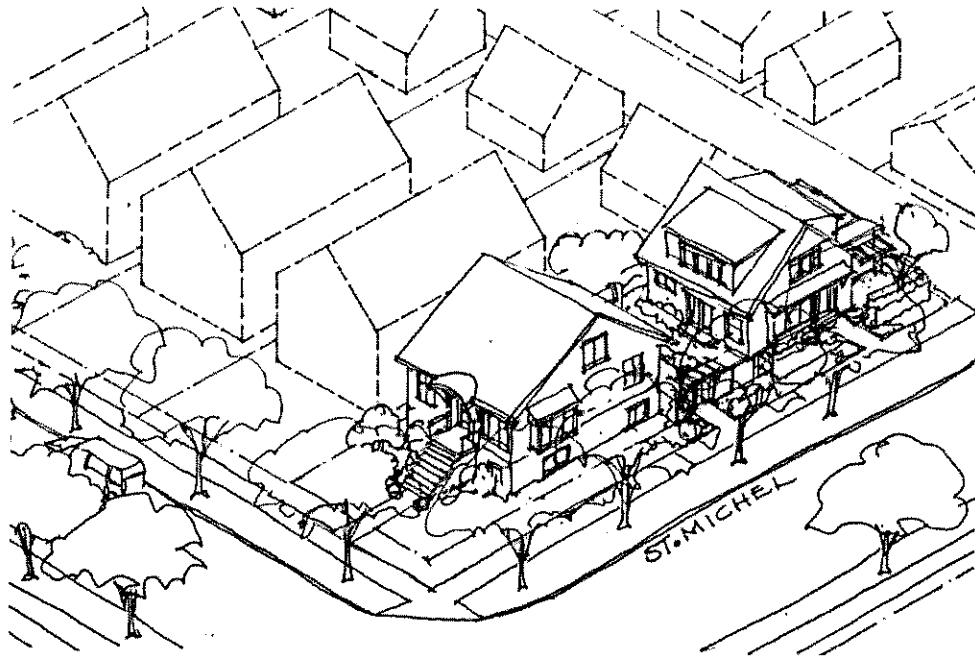




Figure \_\_\_\_: Single-Lot Character House with Infill (Corner Lot Location)



## 2.1.2/2.2.2 Character Building Retention

Character buildings are those built before 1940 and maintaining significant elements of their original character. (See below for details on the determination of whether a building qualifies as a character building.) Various incentives and relaxations for retaining character buildings are outlined in later sections of these Guidelines.

(a) If a site for SH/D development contains a character building, it must be retained and renovated;

(b) If more than one character building exists on an SH/D development site, only one need be retained, with the choice of which building at the discretion of the Director of Planning. On assemblies with frontages larger than 30.4 m (100 ft.), the Director of Planning may require more than one character building to be retained, taking into consideration the architectural quality of the character buildings;

(c) In non-SH/D developments, retention of a character building is at the applicant's discretion;

(d) Pre-1940 buildings which have been too altered to qualify as character buildings may, if character elements are fully restored as part of the development proposal, allow the development to be considered for the incentives and relaxations available to developments with character buildings; and

### (e) Definition of a Character Building

For the purposes of these guidelines, a character building is defined as a building built before January 1, 1940\* which in the opinion of staff meets at least four of the following seven criteria with respect to the street facing facades (See Appendix A for more detailed information about character buildings in Vancouver).

A character house has retained at least 4 of the following features on the street-facing façade(s):

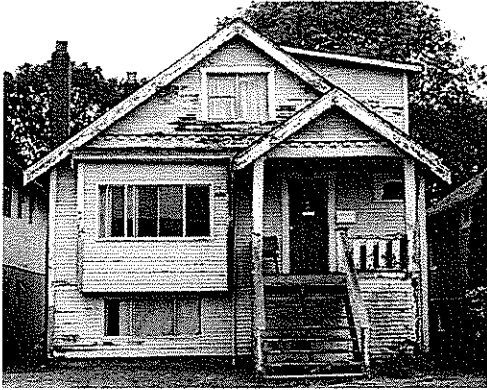
1. Retains original massing and roof form
2. Has original front porch or veranda or only partially (no more than half filled in)
3. Has original cladding or replaced with materials typical of the pre-1940's
4. Has 50% or more of typical period window openings (original location, size and shape)
5. Has 50% or more original casings or trim such as wood treatment around windows and doors
6. Retains a minimum of 2 period detailing or decorative elements (fascias, eave brackets, soffits, exposed beam or joist ends, half timbering, decorative shingling, porch columns, original wood doors, entry transom/sidelights,

decorative or feature windows of round, diamond, octagonal or palladian shapes or crafted glass)

7. Exhibits other period features (secondary porch, secondary roof with gable ends and dormers, brick or stone foundations etc.)

\*as determined by building permit or water connection records.

## EXAMPLES OF CHARACTER BUILDING ASSESSMENT OF PRE-1940'S HOUSES



- original massing and roof form
- original front porch (or only partially filled in)
- cladding is original
- contains 50% or more typical period window openings
- retained 50% or more original casings or trims
- retained pre-1940's detailing (eave fascias, brackets, etc)
- other features (intact secondary porch, turrets, etc.)

5 TOTAL (character elements)



- original massing and roof form
- original front porch (or only partially filled in)
- cladding is original
- contains 50% or more typical period window openings
- retained 50% or more original casings or trim
- retained pre-1940's detailing (eave fascias, brackets, etc.)
- other features such as intact secondary porch, etc.

2 TOTAL (character elements)



- original massing and roof form
- original front porch (or only partially filled in)
- cladding is original
- contains 50% or more typical period window openings
- retained 50% or more original casings or trim
- retained pre-1940's detailing (eave fascias, brackets, etc.)
- other features such as intact secondary porch, etc.

4 TOTAL (character elements)



- original massing and roof form
- original front porch (or only partially filled in)
- cladding is original
- contains 50% or more typical period window coverings
- retained 50% or more original casings or trim
- retained pre-1940's detailing (eave fascias, brackets, etc.)
- other features such as intact secondary porch, etc.

5 TOTAL (character elements)

### 2.3 Orientation

(a) Developments should orient main entrances of buildings to the street, following the existing pattern. On corner sites, entries may be located facing both streets.

(b) On a corner or double-fronting site, all elevations which face a street should be fully designed and detailed.

### 2.9 Privacy

Given the intent of having multiple buildings on one site, some overlook of private open space and direct lines of sight into windows is to be expected within a development. However, effort should be made to minimize these impacts on existing adjacent development.

(a) The location and orientation of windows, decks and balconies in new development should be considered carefully to reduce looking into close-by windows of existing adjacent development;

(b) Within the development, efforts should be made to orient major rooms and patios of the units in such a way that they are offset, separated by a significant distance, and/or screened by landscape elements; and

(c) Privacy for patios, balconies, porches and decks should be provided by careful location, inseting, or screening with lattice or landscaping. This is a particularly important consideration when they are located above grade.

### 2.10 Security

Security is improved when casual surveillance by neighbours and passersby is possible.

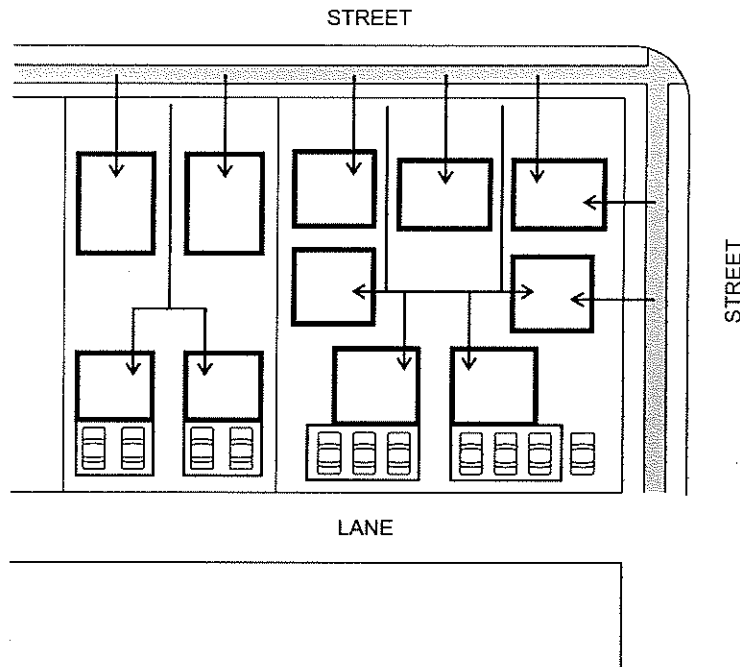
(a) Visibility of unit entrances from the sidewalk is desirable, noting that given development siting intended in this District, it is not expected that the entries to all rear units will be visible; and

(b) Discreet lighting of paths and entries should be provided.

### 2.11 Access and Circulation

(a) Pedestrian access to the front doors of units should be from the street where the units abut a street.

Figure \_\_\_\_: Pedestrian Access



- (b) In order to provide fire access to buildings at the rear of sites:
- (i) Pedestrian access routes to buildings at the rear should maintain a minimum building separation of 2.4 m (8 ft.) and clear path of 2.0 m (6.5 ft).
  - (ii) In cases where there is only one unit in the building at the rear (infill or principal building) and only one other building on the site:
    - (a) the separation between the building and the property line, and the clear path width may be 1.2 m (4 ft.); or
    - (b) on a corner site, access may be provided to the rear unit directly from the flanking street; or
    - (c) on a site with a flanking lane, access may be provided directly from the lane. Where access to an infill unit is proposed from a flanking lane, approval and posting of a restricted area of no parking along the flanking lane must be sought from the Director of Engineering Services. Marking of the presence of the infill unit at the street, including addressing and signage is to be to the satisfaction of the City's Fire Prevention Services.
    - (d) Where a clear 1.2 m path from the street to the rear infill unit cannot be provided on site, it may be possible to covenant with an adjacent neighbour to provide access to the rear of the site from the street. A combined and covenanted access should provide a minimum clear building separation of 1.6 m (5.5 ft), with a clear unobstructed path of 1.2m. The path may serve no more than a total of two units, one per site. A covenant must provide access in perpetuity, and cannot be terminated without the explicit approval of the City's fire prevention services.

(iii) Pedestrian access should be provided between the lane and outdoor space between principal buildings, or between principal buildings, or principal buildings and infill.

(iv) On lots without lanes, additional requirements for firefighter access, or upgrades to fire protection standards may affect the placement, separation, or construction of buildings. Applicants should review the specific siting conditions of lots without lanes with City fire prevention staff at the outset of a proposed project involving infill or small houses at the rear of a laneless site.

(c) Vehicular access should be from the lane, where one exists. Where a site is wide enough to allow the driveway to be internal to the site (i.e., well separated from the neighbouring site), parking may be provided internally to the site, subject to the related guidelines.

Where there is no developed lane:

(d) On sites with SH/D development:

(i) Access to corner sites should be along the alignment of the future lane or from the flanking street.

(ii) Access to mid-block sites may be from the street, provided that there is only one driveway access per site. The driveway should be located internally to the site when the frontage size makes this possible. When there is no choice but to run a drive along the side of neighbouring properties, it should be separated from the adjacent property line by a 1 m (3 ft) landscaped setback.

(iii) The width of the curb cut and drive should be minimized.

(iv) No garages should face the street.

(e) On sites with non-SHD development, access may be from the street to a garage that faces the street:

(i) Curb cut width should be minimized. The manoeuvring area in front of the garage door should be limited to what is necessary to get the vehicles into the garage. An offset, rather than centred, curb cut should be considered in order to consolidate space left for landscape and entries;

(f) Flexibility in guidelines (c), (d) and (e) should be allowed:

(i) for a character building being retained

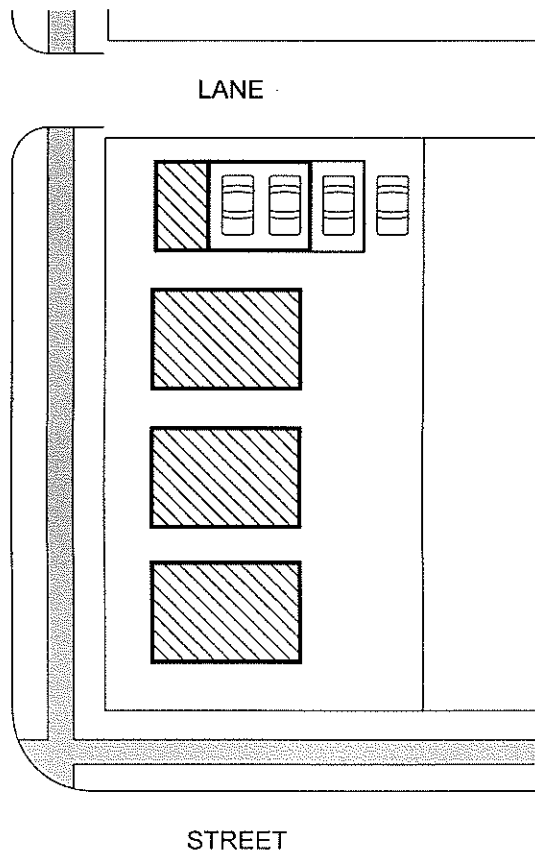
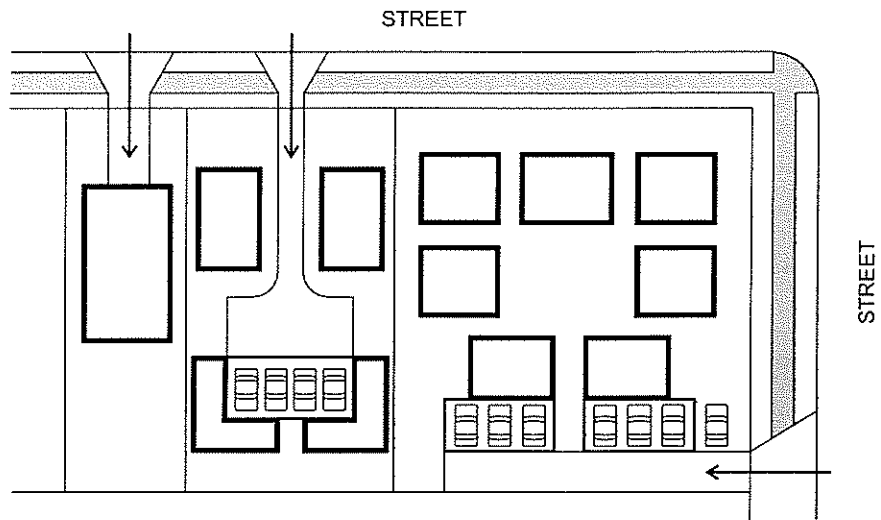
(ii) whenever the retention of a street tree or significant on-site tree will be achieved.

(iii) where hydro pole locations limit driveway placement.

(iv) where site topography better suits alternate parking access location.



Figure Vehicular Access



### 3 Uses

(a) Uses may be considered as per the following table and subsequent guidelines.

| Uses   | Small House/Duplex Development         | Non-SH/D Development          | Non-SH/D Development retaining a Character Building |
|--|--|-------------------------------|---|
| 1 Family Dwelling                              | ✓                                      | ✓                             | ✓   |
| 1 Family Dwelling with Secondary Suite         | ✓                                      | ✓                             | ✓   |
| 2 Family Dwelling                              | ✓                                      | ✓                             | ✓   |
| MCD 2 units, no additions                      | ✓                                      | ✓                             | ✓   |
| MCD 2 units, with additions                    | ✓<br>in any existing building          | ✓<br>in any existing building | ✓<br>in any existing building                       |
| MCD 3 units or more, with or without additions | ✓<br>in the character building(s) only |                               | ✓<br>in the character building(s) only              |
| Infill One-Family                              |  |                               | ✓   |
| Infill Two-Family                              |  |                               | ✓   |

(b) In considering MCDs, quality and livability of the resulting units will be taken into consideration.

(c) In SH/D development, the intent is to achieve housing variety in multiple small buildings. Developments which provide only two family dwellings should be discouraged. Placing an inordinate amount of the floor space in one building, creating an overly large house or duplex, should also be discouraged.

(d) While Infill may be considered for non-SH/D developments that are retaining a character building, achieving adequate fire access (see Section 2 (b)) may preclude this option on some mid block sites.

(e) Seniors Supportive or Assisted Housing may be considered on any site, subject to all the regulations and guidelines that would apply to other dwelling uses on the site.

## 4.0 Guidelines Pertaining to Regulations of the Zoning and Development or Parking By-laws

### 4.2 Frontage

#### 4.2.1 Determination of Frontage

For sites with boundaries on more than one street, Section 10.5 of the Zoning and Development By-law allows the Director of Planning to determine which side of the site will be deemed the front.

(a) Generally, in deeming frontage, the established pattern in the immediate vicinity of the site should be followed, noting however that because SH/D development allows multiple buildings on a site, building fronts and entries may be located facing both streets (see Section 2.3).

#### 4.2.2 Frontage Size

There is no maximum frontage size. However:

(a) For developments with frontages of 32 m (105 ft) or more, particular care should be taken to avoid monotony in building massing and design so that the development fits with the variety inherent in an existing streetscape.

### 4.3 Height

The District Schedule sets out a two part height envelope. The intent of the lower 7.7 m (25 ft) rear height is to ensure that buildings that will abut the rear yards and garages of neighbouring single family will be lower.

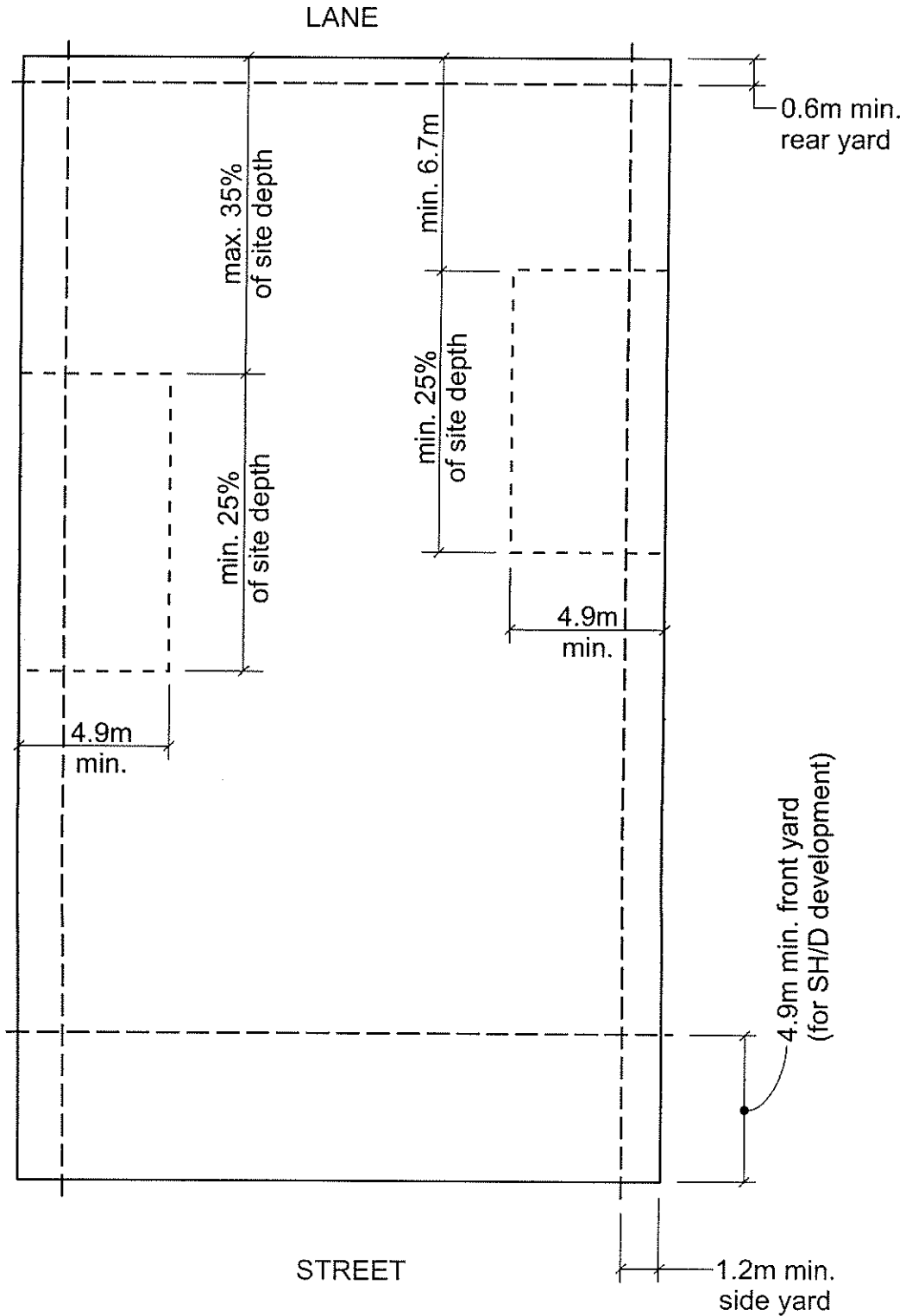
The maximum permitted height on the front 60% of the site depth is 10.7 m (35 ft.). However, because the minimum 4.9 m (16 ft.) front yard for some developments is less than many existing neighbouring houses (usually about 7.3 m (24 ft.)), the front portion of new buildings should be lower than 10.7 m (35 ft.). Buildings in this area should be one and a partial 2<sup>nd</sup> storey with or without a basement.

(a) In the portion of the site between 4.9 m (16 ft.) and 7.3 m (24 ft) from the front property line, the height of new buildings should not exceed 9.2 m (30 ft.) in height. The 9.2 m (30 ft.) can be measured from the front property line, horizontally, rather than having to conform to the normal measurement from "base surface". (See Section 5.0 for related guidelines about roof forms.)

(b) Rear yard infill or principal buildings located in the rear should be one- storey plus partial second storey, or one storey plus partial second storey with basement. In considering the partial second storey, the guidelines in Section 5.1 should be followed.

(c) The Director of Planning may relax the 7.7 m (25 ft) height limit on corner sites and on sloping sites to 9.1 m (30 ft.) where the infill or principal building is more than 4.9 m (16 ft.) from the adjacent property. However, a maximum height of 7.7 m (25 ft.) shall be maintained within 4.9 m (16 ft.) of adjacent properties.

(d) The Director of Planning may vary the height in the rear 40% of the site to allow projecting eaves and secondary roof forms on buildings in the front 60% of the site.



#### 4.4 Front Yard

(a) As provided for in the District Schedule, variations in the front yard requirement may occur as follows:

(i) Where the site is less than 36.5 m. (119.7 ft.) in depth, the front yard may be reduced.

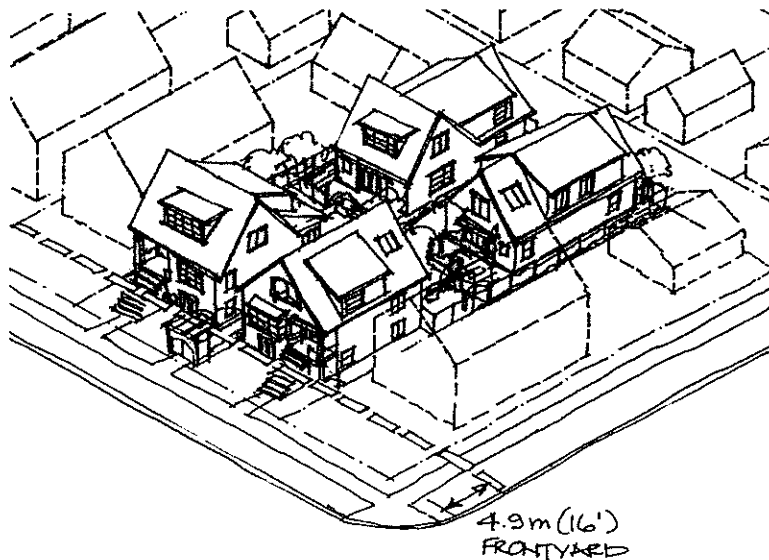
(ii) Where the site is more than 41 m (135 ft.) deep, the front yard may need to be increased, to be more compatible with adjacent development.

(iii) On corner sites with SH/D development, the front yard of the new building adjacent to a neighbouring house should maintain the required 4.9 m (16 ft.) front yard. However, the front yard of new buildings closer to the corner may be reduced to 2.4 m. (8 ft.)

(iv) To assist the retention of character buildings.

(b) The District Schedule permits porches to project up to 1.2 m. (4 ft) into the required front yard. In SH/D developments, the location of projecting porches should consider the impact on neighbouring sites. A full 1.2 m (4 ft) projection should be a minimum of 4.9 m (16 ft) from the adjacent property line, while smaller projections may be closer.

Figure \_\_\_\_\_ Front Yard on SH/D development with over 18.3 m (60 ft.) frontage



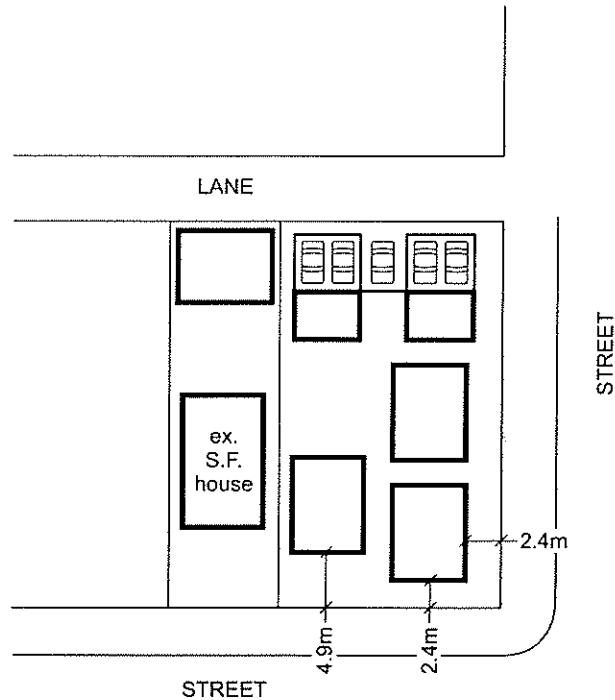


Figure \_\_\_\_ Front Yard Variation on Corner Site

#### 4.5 Side Yards

On all sites a basic sideyard is required along the full depth. However, a wider enhanced side yard is also required. This is in order to allow a neighbourly relationship to the rear yards of adjacent development. The location of the enhanced side yard is flexible, within certain limits, in order to allow a variety of development scenarios. As illustrated in Figure \_\_\_\_, the enhanced sideyard need not be located in the same position on both sides.

As provided for in the District Schedule, the required sideyards may be varied as follows:

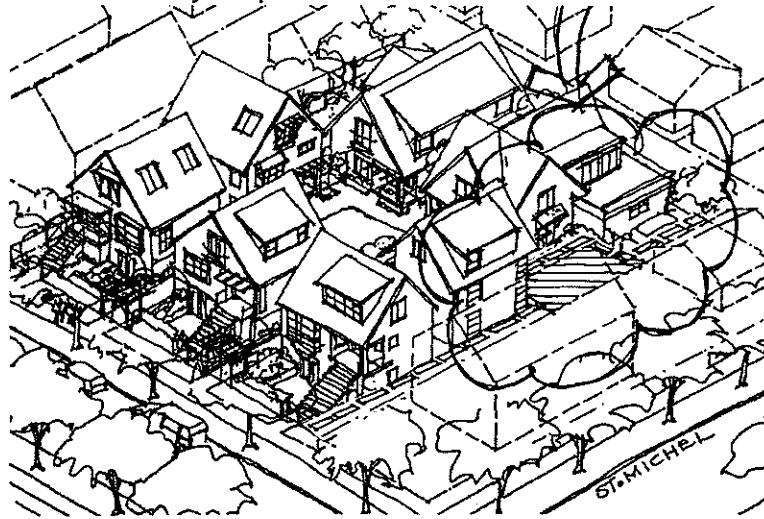
- (a) On the flanking side of corner sites, the enhanced side yard need not be provided. However, on a corner site, if the development proposes reducing the front yard at the corner to less than 4.8 m (16 ft.) for the buildings at the corner, then the flanking side of a corner site must be increased from 1.2 m (4 ft.) to 2.4 m (8 ft.).
- (b) The size of the enhanced sideyard may be reduced to assist in the retention of character houses, and for infill on a smaller site that is retaining a character house. The reduction of the enhanced sideyard should retain a minimum separation between the infill building and the character house of 4.9 m (16 ft.)
- (c) Where a site is more than 41 m (135 ft.) deep, the enhanced sideyard location may need to be varied (pulled forward) in order to be more compatible with the siting of adjacent development.

(d) Section 4.5.6 of the District Schedule allows consideration of unspecified projections into the sideyards. This is intended to allow only:

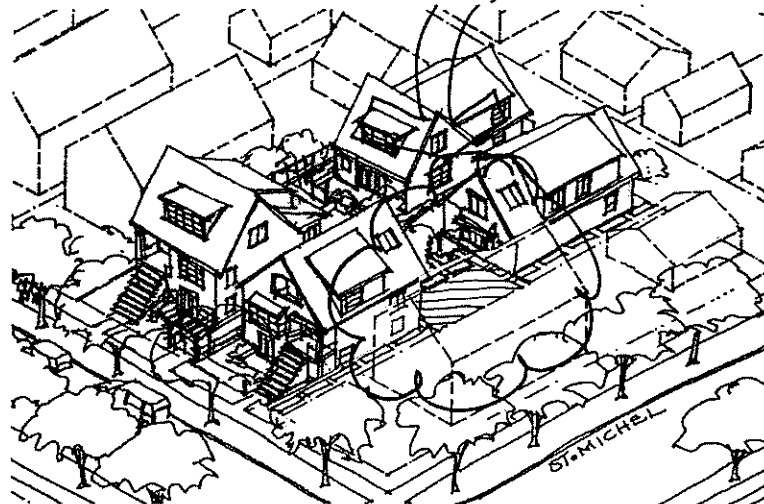
- Steps accessing main levels or basements to be located in the larger, enhanced side yard provided they are not closer than 2.4 m (8 ft.) to the side property line;
- Steps to accommodate grade changes in pathways to be located in any side yard, provided they stay more or less even with grade.

Figure \_\_\_ Side Yard Variations

Enhanced Sideyard placement closer to lane



Forward Placement of Enhanced Sideyard



#### 4.6 Rear Yard

The minimum rear yard of 0.6 m (2ft.) is intended to provide space for vehicle access as well as space for planting at the lane. (Note that the enhanced sideyard effectively replaces the normal rear yard requirement.)

#### 4.7 Floor Space Ratio

(a) The discretionary increases in floor space ratio, provided for in the District Schedule, may be considered up to the maximums listed below.

|  |          |
|--|----------|
| (i) Small House/Duplex Developments                |          |
| Without character building(s) retention            | 0.75 FSR |
| With the required character building (s) retention | 0.80 FSR |
| (ii) Non-SH/D Developments                         |          |
| Without character building retention               | 0.60 FSR |
| With the optional character building retention     | 0.65 FSR |

The additional floor space for development retaining character buildings is intended to provide an incentive, and to accommodate the existing basement space most of these buildings will have. (Refer to Section 2.1.1/2.2.1(g) regarding raising character houses.)

To achieve the maximums with an acceptable form and siting, it is likely that some floor space will need to be on a third level: either in the basement or the level under the roof. In most cases, some floor space will be under a sloping roof and will not be full height space.

(b) A floor space exclusion for inaccessible space under porches has been included in the District Schedule in order to make providing porches easier.

(c) For Seniors Supportive or Assisted Housing, on sites that would qualify in size and frontage for SH/D development, the maximum FSR to be considered should be as in (a)(i) above, and for other sites, as in (a)(ii) above.

(d) The District Schedule limits the discretionary increase in floor space ratio for non-dwelling uses to a maximum of 0.60. This is the same density potential these mainly conditional uses (e.g. schools, community centres, libraries) have historically been able to achieve in RS zones. While there are no further guidelines in this document for these uses because of their diversity in size, scale, age and style, their design should strive for neighbourliness and compatibility with their immediate surroundings.

#### 4.9 Off-Street Parking and Loading

It is intended that parking be provided at grade in order to assist with affordability. Parking spaces will normally be located in garages accessed directly off the lane. See 5.1.1(f) Scale and Form for guidelines related to rear yards and the lane.



#### 4.9.1 Parking Internal to Site

(a) Parking may be considered on the interior of an SH/D development to enable one family dwellings to have internal parking. The following conditions should be met:

(i) Parking spaces should be enclosed within the unit, and there should only be one enclosed parking space per unit.

(ii) Parking spaces accessed from the interior of the site should generally be located a couple of feet below grade in a 'basement', with the main floor of the unit located above.

(iii) Maneuvring areas for more than one car should be at least 3.1 m (10 ft.) from neighbouring properties; and should be at least 2.4 m (8 ft.) from units not served by the parking

(iv) Access drives and maneuvring areas should be permeable, and conform to guidelines regarding treatment and landscaping (see S. 8)

#### 4.9.2 Front Garages

(a) As outlined in S. 2.11 (f), only non-SH/D developments without developed lane access may have garages facing the street. Such garages should be well-designed, appearing to be set into the building massing, rather than being expressed as a base with the house sitting on top:

(i) the garage door area should be as small as possible, so that the wall reads strongly as a base for the whole building;

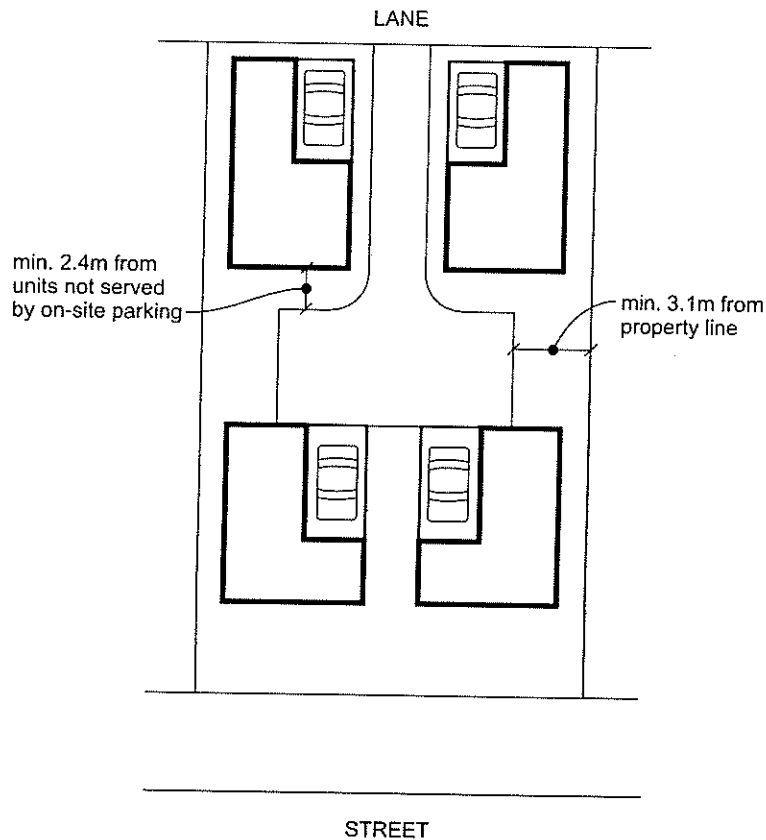
(ii) the garage doors should tone in to the wall through avoiding high contrast in colour or tone (i.e. between light and dark);

(iii) generally the garage face should be kept in the same plane as the upper building massing (i.e. with the same walls carrying down to grade); and

(iv) use of contrasting horizontal trim, skirt roofs, decks etc. at the top of the garage, which act to emphasize it as separate from the building, should be avoided.

(b) Some older houses have existing front garages which may be kept. Inserting new front garages in older houses should be avoided whenever possible.

Figure Parking Internal to Site



#### 4.18 Unit Density

Sites where Small House/Duplex development is not occurring are generally limited to 2 units. However, the District Schedule allows the Director of Planning to increase this to 3 units.

(a) An increase to 3 units may be considered when a character building is being retained and renovated. This may be a 1 Family Dwelling plus Infill Two-family Dwelling, a 2 unit MCD plus Infill One-Family or a 3 unit MCD.

(b) Requirements for firefighting access may limit the number of units that can be achieved on certain sites.

(c) Sites with unusual depths may not be able to achieve the maximum number of units.

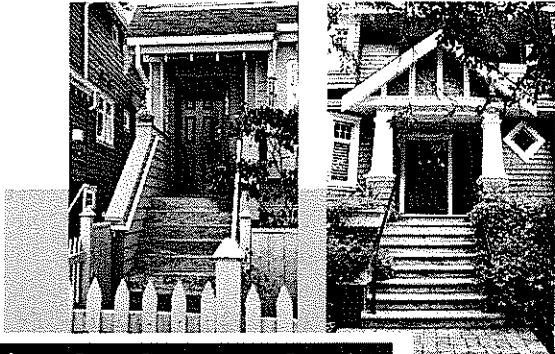
## 5 Architectural Components

The following guidelines are organized into two broad categories:

Section 5.1 applies to all new buildings whether a single family house, a duplex, an infill building, or a small house/duplex development on a larger lot or lot assembly. It also applies to renovations and additions to existing 'non-character' buildings. The guidelines allow for a choice of traditional and contemporary architectural styles in new and 'non-character' buildings.

Section 5.2 applies to renovations and additions to existing 'character' buildings as defined in Sections 2.1.2 and 2.2.2. These guidelines are aimed at ensuring that changes to 'character' buildings are done in a manner consistent with the original character.

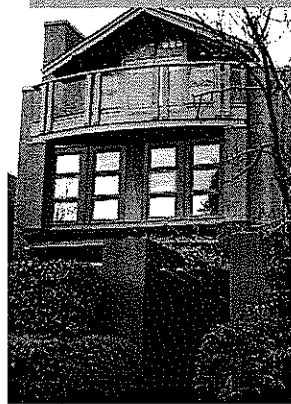
(To determine whether an existing building is considered a 'character' building refer to Sections 2.1.2 and 2.2.2.)



**traditional style examples**



**contemporary style examples**



Duplex, Infill and Small House Examples



## **5.1 New Development, Infill, and Addition to 'Non-Character' Buildings**

The intent of these guidelines is to allow a variety of architectural styles, so that neighbourhoods may continue to evolve, but in a way that respects the character of existing buildings and streetscapes. The guidelines are intended to ensure that all new development, of any architectural style, demonstrates high quality design and neighbourhood fit.

The guidelines can be interpreted in a contemporary style, or in a traditional style, with the choice of direction being the proponent's.

While choice of style is up to the proponent, it should be noted that a successful contemporary style building is both more difficult to design, and harder to judge because precedents are not as clear as with traditional designs. Staff will need to bring more judgement to the assessment of contemporary designs.

Section 5.1.1 outlines General Design Considerations that address fundamental aspects of building form, massing and design. Sections 5.1.2 through 5.1.6 address more detailed aspects of the design of building elements. Finally depending on the style chosen, Section 5.1.7, Additional Guidelines for Traditional Style Buildings, or Section 5.1.8, Additional Guidelines for Contemporary Style Buildings will apply.

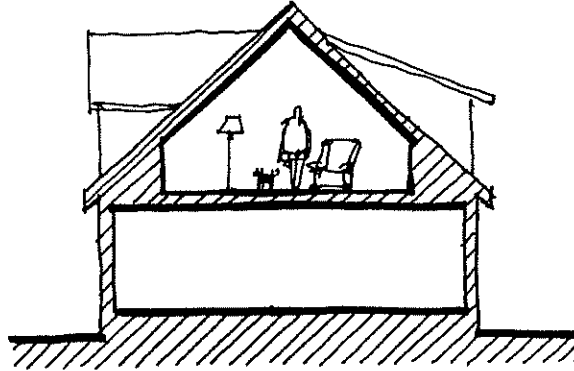
### **5.1.1 General Design Considerations**

#### **a) A simple mass with a simple sheltering roof.**

Most of the original housing forms in Vancouver had substantially pitched roofs with eave lines that descended far enough to fully or partially envelop the top floor. Bringing the eaves closer to grade and expressing the form of the roof within the upper level inhabited space emphasizes the main level of the house and reduces the apparent mass of the building as viewed from the street.

- i. The main roof should be pitched.
- ii. Building forms should begin as a simple mass, with a clear, simple, visible and dominant roof. The integrity and simplicity of the main building forms should be readable from the street and from the lane. Roof forms should generally not be 'busy' composite roof forms.
- iii. Main roof forms can be, but are not limited to, the following:
  - end-gable (gable facing the street, ridge running lengthwise on the lot) or
  - cross-gable (slope facing the street, ridge running across the lot), hipped, or
  - double or transverse-gable
- iv. Secondary roof forms and dormers should be clearly subordinate to the main form in size and number. Dormers should generally be setback from the buildings edge to assist in maintaining the integrity and dominance of the main roof.

- v. When older 'non-character' buildings are being renovated, changes to the main roof line or to the basic building form will not be expected.
- vi The upper floor of new development should be substantially contained within a steeply pitched roof. For further information and exceptions, see Section 5.1.2.



**b) Scale and form in relation to the streetscape**

The scale and form of new buildings is an important part of compatibility with an existing streetscape. For some forms of development the guidelines allow a smaller front yard than typically required in single family zones. This will result in some new buildings being located closer to the street than existing adjacent buildings. It is particularly important in these circumstances that the buildings be designed to reduce apparent massing as they approach the street and adjacent properties.

- i. In addition to roof design, other massing and design aspects including floor to floor heights, horizontal elements, changes in material, and the proportion and placement of openings, should seek to reduce the apparent scale of new development, and ensure that upper floor massing does not visually overwhelm the scale of lower floors.
- ii. Any portion of building that is located forward of its neighbours should suggest the massing of a one and a 'half' storey structure, with or without a 'basement', and the ridgelines of roofs in this area should not exceed 30'. (Upper storey massing is not limited to a literal 'half storey' as defined in the Zoning and Development By-Law, but will be a reduced 'partial' storey as necessary to achieve the desired massing).

**c) Entry transition**

Site and building design should work together to create a transition from the public space of the street to the private space of the home. New street-fronting buildings should be designed with a progression of elements that emphasize the principal entrance.



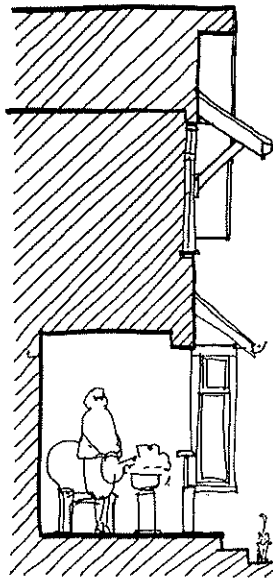
i. An entry transition should be made through elements such as:

- a defined garden edge with landscaping and/or fencing
- an entry gate or other entry marker such as an arbor or feature landscape marking the transition from the street to the semi-private space of the front garden
- steps or a change in level
- a well defined porch

#### d) Building Façade Depth

- i. Street-facing and lane-facing building façades should be enriched through a limited number of simple voids and projections that create visual interest and a strong play of light and shadow on the façade. These may include inset porches on main and upper floors, projecting or recessed entry porches, bay windows and box window bays, overhangs, brackets, canopies, etc.

These features should enliven the basic form, but should not overwhelm it, and in all cases a large portion of the main wall plane should be present to ensure the visual strength and unity of the whole.

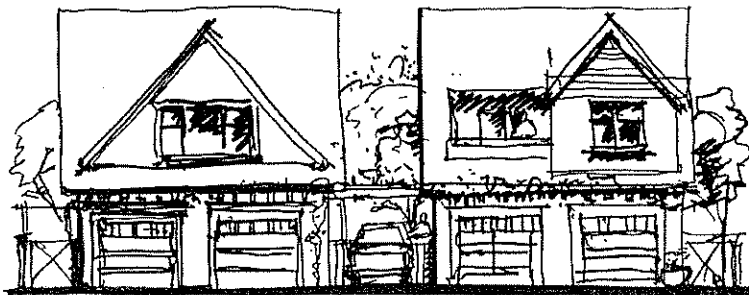




e) **Scale and form in relation to rear yards and the lane.**

The zoning allows for several different options for small house, duplex, and infill forms at the rear of the site, next to neighbouring yards and to the lane. The enhanced sideyard requirement that applies to the middle of the site is intended to assist in accomplishing good relationships to neighbouring rear yards. In addition:

- i Buildings in the rear section of the site should be designed to reduce apparent massing adjacent to the lane and neighbouring properties by adopting massing of a one and a 'half' storey structure, with or without a basement.
- ii Principal buildings along the lane that are over approximately 12 m (40') in width should be designed with a massing that suggests two buildings as viewed from the lane. This may be accomplished through setback portions of building at grade and distinct main roof lines.
- iii The lane will become a focus of development, and in effect, an exposure that is as important as the streetscape. The lanescape should be a visually interesting experience for passersby and a pleasant outlook for residences near the lane, while at the same time accommodating garage doors, parking spaces, and garbage and recycling areas.
- v. Insets, projections and overhangs should be used to lend interest to the lane fronting façade, and to give greater emphasis to the presence of living space over car places.
- vi. Garage doors should be high quality, preferably single width. Projections and overhangs such as arbours over the garage would add depth to the façade, create a shadow line, and potentially create places for planting to enrich the lanescape.
- vii Garbage areas should be purpose-designed as integral part of the development either in the building or the lanescape.



f) **Consistency and Variety**

- i. A variety of architectural styles is acceptable in different buildings. However, within a single building, materials and elements such as windows, doors, architectural detailing and trim should be consistent with the style chosen for a new building, or with the style of an existing building being renovated. While

consistency is sought within the chosen style, a greater variety of expression may be considered on less visible facades.

- ii. On sites where there is more than one building, the buildings may express different architectural styles, including in the case of infill behind an existing character building. On larger sites, it may be desirable to express a variety of architectural styles to avoid a monotonous or 'project-like' appearance.
- iii. In the case of an older house with little remaining 'character' as defined in Section 2.1.2/2.2.2, it may be possible to restore more traditional elements, or to redirect the architectural expression to a contemporary style. However, the architectural style chosen should be compatible with the basic massing and roof form of the existing building, unless the renovation is extensive enough that even these elements may change.

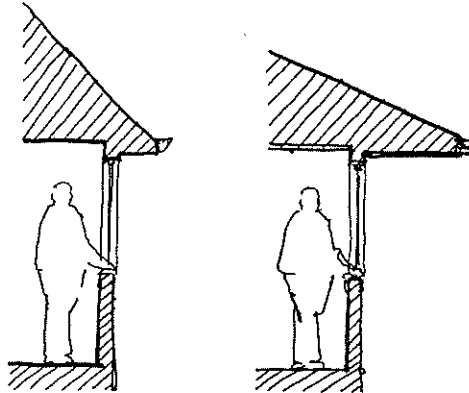
**g) Composition**

- i. Regardless of the architectural style of the building, a clear sense of order should be apparent in the alignment, proportion and placement of building elements and features.
- li. The incorporation of projections and recesses, the play of solid and void, and the proportion, design, and placement of windows should contribute to a balanced, not necessarily symmetrical, visual expression. It should be recognized that buildings of contemporary expression may have a sense of order and composition that relies more on asymmetry and a dynamic relationship and juxtaposition of building elements.
- lii. Building elements should be designed and placed in a way that considers the building as a whole, and how it is viewed from the street or lane, not simply as an outwards expression of interior program.
- iv. A sense of hierarchy should be brought to bear upon architectural elements to avoid competing focal points and rampant 'featurism' (e.g. repetitive arched window forms, bay windows for every room of the house, or multiple purposeless roof forms).

**5.1.2 Roof and Chimneys**

- (a) The main roof should spring from somewhere between the upper floor level and approximately 4' above it (Note: it is anticipated that some of the allowable floor space will be between 4' and 8' in height in most developments). Buildings with three storeys above grade, or with two storeys above a basement should have the main roof spring from the top floor level or lower.
- (b) Exceptions may be made to (a) above for two storey buildings which do not project beyond the front yard of existing adjacent houses, provided that the eaveline is not more than about 6m above grade as viewed from the street.

- (c) The main roof pitch may be steep or shallow. Shallow pitched roofs should have strong and visible horizontal eavelines, and large overhangs. In general, the shallower the roof pitch, the broader the overhang should be. Roof pitches of less than 7:12 should have overhangs of 0.6m or more.

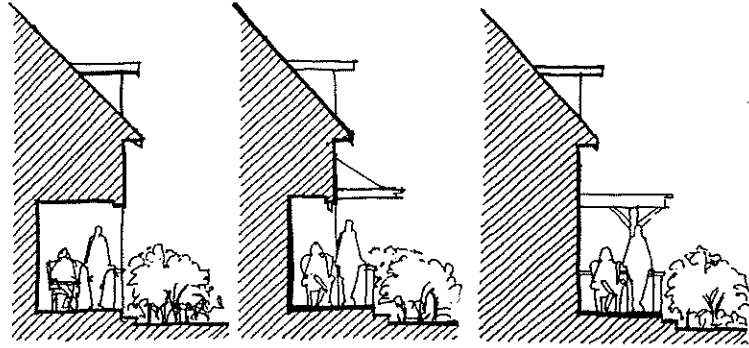


- (d) Smaller secondary roof elements and dormers may vary from the pitch of the main roof and may include flat roofs and shallow pitches. A larger area of flat roof may be considered provided it is a green roof and contributes to the sustainability of the project.
- (e) If a secondary roof or gable interrupts the eave line of the main roof, it should mark or cover a significant element such as an entry, a porch, a recessed area, or a substantial projection.
- (f) Secondary roofs that project from the building façade should also clearly relate to an architectural element such as a box bay or porch. Roof 'skirting' on the building facade is discouraged.

### 5.1.3 Entrances, Stairs and Porches

#### (a) Porches

- i. Street fronting units should generally have entry porches that are big enough to allow access to the front door and to provide a place for seating: generally a minimum of 3.75 m<sup>2</sup> (40 sq ft.). However, flexibility will be applied in considering the design and size of porches. Units in buildings with access from within the site should also be designed with entry porches but the size is less important.
- ii Front entry porches should be one-storey, have sufficient cover and be integrated into the overall building design. The entrance cover may be provided by recessing the porch area and front door, by adding to the main façade of the building, or a combination of both. Porch roofs on traditional designs should have a clear means of support - columns, brackets, ties, etc. Entrances expressed with double height columns and elements such as second storey arches and large fan lights are discouraged.



ii The zoning allows for a raised main level of up to 2.0 m (6.5 ft.) to enable houses to reflect the entry step and porch sequence seen in Vancouver's older neighbourhoods, and allow liveable basements with good access to light and outdoor space. Alternatively, the main floor may be close to grade, but in these cases the main floor should still be raised one or two feet to provide a comfortable relationship between the inside space of the dwelling and the public space of the street.

#### (b) Stairs

- i. Exterior entry stairs should be generous in width and substantial in design.
- ii. Stairs to levels above the main or ground floor must be accommodated within the internal space of the house or unit. Exterior stairs and landings that directly access levels above the main or ground floor are not supportable.

#### (c) Doors and Entrances

- i. Except as described below, each building should have one clearly expressed main entrance facing the street. Other doors may be located on the front façade as long as clarity is maintained with respect to which is the main entrance. These secondary doors may include french doors and sliding glass doors.
- ii. When doors to side by side units are located together, the entry area should be developed and expressed as a single porch which may have both doors visible. Side by side units may have separately expressed entries and porches when they are located at the outside edge of the building form, or where the unit width separates the entries.
- iii. Where entries to units are not clearly visible from a street (e.g. rear units), the presence and location should be announced through architectural or landscape gateway elements.

### 5.1.4 Windows and Skylights

- (a) Projecting bay windows should be limited in number - generally only one per façade, or per unit. They should be treated as a focal element on the building facade, not a means to excessively expand indoor space at the expense of streetscape.



- (b) Window placement and design should be well-ordered, and competing 'feature' windows should be avoided.
- (c) Windows on upper levels should generally tuck closely under the eaves to help emphasize the roof.
- (d) Skylights may be used to access light on upper levels as long as a strong and simple roof line is maintained.
- (e) Proportion
- I. Traditional style new buildings may use larger openings than existing character houses, but should maintain their feeling of solidness, proportion, and geometric order.
  - II. Contemporary style new buildings may use larger areas of glazing with different proportions than character houses
- g) Articulation
- I. Except where brick or stone is the main surface material, windows on traditional style buildings should be installed with surrounding trim to emphasize their presence.
  - II. Window openings should generally have depth, with substantial frames and mullions, except that contemporary designs may consider alternative approaches such as windows that are flush with the main wall surface, and expressed as an integral part of surface articulation elements or banding.
  - III. Where a more contemporary window expression doesn't utilize trim, windows, doors and other openings should be articulated and emphasized through other means: a deep reveal to the window face, a broad overhang or canopy accenting the window, or strong and repetitive horizontal articulation of window divisions.

### 5.1.5 Balconies and Decks

- a) Balconies and decks should be designed as integral parts of the building massing and façade composition
- b) Projecting balconies and decks including over projecting porches should generally not be located on the front façade. Small balconies projecting up to 0.6m may be acceptable.

### 5.1.6 Exterior Walls and Finishing

#### (a) Quality and Durability of Materials

Materials should be used in a rational and robust way. They should be designed and detailed to express quality and ensure durability. A list of materials can be found under Additional Guidelines for Traditional Style Buildings and Additional Guidelines for Contemporary Style Buildings.

- i. Materials used should be appropriate to the scale and design of building elements. For example, large and heavy roof tiles should not be used on a roof with angles and elements that are too complicated and small in scale for the large size of the tiles.
- ii. Materials should be used in a way that is true to their nature. For example, stone facing should be used as a foundation element, and as the base of columns, but should not be used as a facing on upper levels with no clear means of support below.
- iii. Exterior wall cladding materials should be limited in number. Changes in cladding should relate to the building design, such as to express the base or foundation of the building.
- iv. In general, the same materials should be used in consistent proportions on all facades and not just on the street face. Materials should carry around corners and terminate at logical points to avoid appearing as a thin veneer or 'false front'.
- v. All sides of a building that extend forward of an adjacent building must be designed and detailed in a manner appropriate to a visible location.
- vi. Large blank walls, including interior sidewalls, should be avoided whenever possible. Window openings, detailing, materials, colour, wall articulation and landscaping should be used to enliven them and reduce their scale.

### 5.1.7 Additional Guidelines for Traditional Style Buildings

#### (a) Materials:

- I. Acceptable wall materials are wood siding, wood shingles, stucco, true dimension brick (solid colour), unpolished true-cut stone. Wood should be

- narrow horizontal wood clapboard, wood shingle, or board and batten. Stucco should be pebble-dashed or untrowelled cement dashed.
- II. The material finish or colour may be varied on the basement level, or first floor level if there is no basement, following the traditional pattern;
  - III. Foundations, basement walls, and/or porch column bases may be of (or faced in) brick, or stone. Brick and stone should be designed to turn and complete building corners.
  - IV. Roofs should be either wood shingle or asphalt shingle, slate, or low profile concrete tile
  - V. "Imitative" materials such as vinyl siding are generally not acceptable, although some materials that have advanced to a point where they convincingly replicate original materials may be acceptable and will be evaluated at time of application (e.g. some types of cementitious board, and cultured stone may be appropriate).
  - VI. High quality vinyl windows are acceptable provided they match the proportions and balanced openings of traditional wood frame windows. Thin-framed aluminum windows are not acceptable.

(b) Detailing:

New traditional style development should incorporate contrasting details of a substantial scale and depth, to enliven the facades.

Minimum detailing:

- bargeboards and fascias
- window frames and trim
- porch beams, columns, and balustrades; and
- sloped soffits under overhangs (rather than flat soffits)

Optional Detailing:

- window mullions (real) Use of 'stick-on' muntins, or leading is not acceptable
- roof brackets or extended joist ends;
- string courses at top of basement, as an extension of porch beam line, and (more rarely) at second floor and attic floor levels;
- contrasting corner trim on wood clad buildings;
- decorative patterned shingling in limited amounts
- small areas of 'plaster and beam'

(c) Where a material or detail is proposed that is not covered by (a) or (b), its acceptability will be evaluated on a case by case basis. Consideration will be given to materials and detailing that vary from the above when it can be demonstrated that they are consistent with the traditional style of architecture chosen.

### 5.1.8 Additional Guidelines for Contemporary Style Buildings

#### (a) Materials:

- I. Acceptable materials are wood siding or wood shingle, stucco (except for heavily textured trowelled finishes), ceramic or metal panels and seamed siding, corrugated metal siding, architecturally finished concrete, concrete block, true dimension brick (solid colour), unpolished true-cut stone.
- II. Changes in cladding should relate to the building design, such as to express the base or foundation of the building, or to emphasize the main level and minimize the scale of the upper level.
- III. Roofs can be wood shingle, asphalt shingle, slate, cement tile, clay tile, or metal
- IV. Brick and stone should be designed to turn and complete building corners.
- V. Materials used in detailing may be either metal and glass, or wood.
- VI. High quality vinyl windows are acceptable provided they meet the guidelines regarding design and divisioning. Thin-framed aluminum windows are not acceptable.

#### (b) Detailing:

New contemporary style development should incorporate contrasting details of a substantial scale and depth, to enliven the facades.

##### Minimum detailing

- strong divisioning of window areas and/or deeply recessed window surfaces, and/or window frames and trim
- strong horizontal expression of either main eave line, or other projecting element(s) on the main building façade
- articulation of support structure and detailing around entry porch - for example, metal hangers, brackets or struts, metal and glass railings, cantilevered roofing systems
- high quality soffit material and detailing

##### Optional Detailing:

- canopies, metal and glass, wood, or canvas
- window mullions (real). Use of 'stick-on' muntins, or leading is not acceptable
- roof brackets or extended joist ends;
- major chimney expressions as an anchoring element

(c) Where a material or detail is proposed that is not covered by (a) or (b), its acceptability will be evaluated on a case by case basis.



## 5.2 Renovation and Addition to retained 'Character' Building

The intent of the following guidelines is to ensure that changes to an existing 'character' building maintain its original form and character, and that additions are compatible. To determine whether an existing building is considered a 'character' building refer to Sections 2.1.2 and 2.2.2.

### 5.2.1 Principles:

#### a) Retention of Original Character

Where a renovation is occurring to a 'character' building as defined in these guidelines, the new architectural components should maintain the original character of the building. Renovation to current standards may require the replacement of a good deal of material. The amount of original exterior building fabric that is to be replaced is not limited as long as it is replaced in a manner closely similar to the original, as set out in the following guidelines. Provision of drawings documenting the extent of material to be replaced may be required at time of application.

#### b) Infill Character

Where an infill building is being added behind a retained 'character' house, it may be designed either to reflect the traditional character and style of the main house, or to express itself clearly as a later building by choosing a contemporary architectural style. Infill buildings should follow the guidelines in Section 5.1.

#### c) Additions

In general, additions will not be supported on the front of character buildings, as this would significantly alter the character of the building as viewed from the street. Additions to existing character buildings should always appear secondary in visual prominence to the main house as seen from the street.

### 5.2.2 Roofs and Chimneys

- a) The original roof forms should be maintained.
- b) Consideration will be given to changing the main roof form to reflect those of other neighbourhood 'character' buildings, in those cases where the height under the main ridge line is not sufficient to enable a reasonable configuration of inhabited space according to the City's by-laws.
- c) Where dormers are being added or extended, they should remain subordinate to, and not detract from the integrity of the main roof.
- d) Roofs on additions should be compatible with the existing building's roof form, or similar ones of the period.
- e) Secondary roof elements may vary from the pitch of the main roof and may include flat roofs and shallow pitches.
- f) If roofing material is to be replaced, either wood shingle or asphalt shingle should be used. Other materials may be considered where it can be shown

they were characteristic of the original house style. If roofing is to be repaired, material should match existing.

- g) Original chimneys should be retained and repaired where possible. While matching new chimneys to existing ones is desirable, boxed-in chimneys clad with a material that matches the building wall is also acceptable.

### 5.2.3 Windows and Skylights

- a) In general, original window openings on the front façade of existing buildings should be maintained. If it is not practical to keep original frames and exterior wood trim, new windows should match the original design as closely as possible. Window replacements from previous renovations that are not in character with the original building should be returned to a design in keeping with the original building. It is desirable to maintain existing window pane shapes and mullions as well, however, if reproduction is too costly, plain glass can be used. Use of 'stick-on' mullions or leading is not acceptable.
- b) On facades not visible from the street, more substantial alterations to existing window shape and size may be considered. Materials and detailing of frames should be compatible with the existing style.
- c) When an addition will be seen from the street, the addition's windows should follow the same general practices as in the original building regarding shape, placement, materials and trim.
- d) Skylights should be modest in size when visible from the street.

### 5.2.4 Entrances Stairs and Porches

#### (a) Entrances and Stairs

- i. Original front entrance frames, trim, and stairs should be maintained where these exist. If replacement is necessary, the design should match the original design and material as closely as possible
- ii. Maintaining the original front door and any sidelights is desirable. Where doors must be replaced, or where earlier renovations resulted in inappropriate doors, doors of similar quality to the original should be used.
- iii. When an original door and sidelights have been compromised, and an additional entrance is needed to a unit on the same level as the main entrance, a number of solutions are acceptable:
  - Placing the door inside the original entry in a lobby arrangement;
  - Placing two doors side-by-side.
  - Placing one entry at the side of the building.
- iv. When an additional entrance is desired to a basement unit, or to other living space on the basement level, it may be located on the front façade, but it should not detract from the visual dominance of the original entry.

(b) Porches

The District Schedule provides a floor space exclusion for porches, to both encourage new porches, and facilitate the opening up of old ones which may have been filled in for extra living space.

- i. Original porches on existing buildings should be kept and restored
- ii. If possible, porch infill should be removed. If the enclosed space must remain for livability, the detailing of the enclosure should be made consistent with the original style of the building

**5.2.5 Balconies and Decks**

- a) Projecting balconies and decks should not be located on the front façade of older houses. Decks located on, or partially within a roof may be acceptable on the front of the building provided they appear integrated and are modeled on traditional examples
- b) Projecting balconies or decks may be located at the rear, subject to guidelines regarding privacy and setbacks.

**5.2.6 Exterior Walls and Finishing**

- a) Materials:
  - i. Original materials should be retained and repaired where practical. If replacement is necessary, the same material should be used, although it may be manufactured in a different way. (For example, narrow wood clapboard is available in sheets). For further direction regarding alternatives, see (iv) below.
  - ii. Materials on additions should match those of the existing building
  - iii. The same materials should be used consistently on all facades, including the interior of inset porches. The use of a material only as a 'paste-on' on one or two facades is not acceptable.
  - iv. "Imitative" materials such as vinyl siding are generally not acceptable, although some materials that have advanced to a point where they convincingly replicate original materials may be acceptable and will be evaluated at time of application (e.g. some types of cementitious board will be appropriate).
- b) Detailing:
  - i. Existing detailing on buildings should be kept and restored. If it has been removed, it should be replaced in the original style and material;
  - ii. Uncharacteristic detailing (gingerbread to 'Victorianize' buildings) should not be added; and
  - iii. Detailing on additions should be compatible with that on the original building, but the degree of detailing may vary considerably, depending on the overall design intent of the addition and its visibility from the streets.

- c) Where a material is proposed that is not covered by (a) or (b), its acceptability will be evaluated on a case by case basis.

## **7 Open Space**

Open space on private sites in single family areas has traditionally been of two kinds. The semi-private space of the front yard provided a green streetscape - a public face for the visual enjoyment of both the residents and neighbours. The backyard was normally private open space for active use, while also mainly 'green' in appearance.

The front yard will play an expanded role as it will become the primary outdoor space of some dwellings. As such it must often accommodate the useable patio of a unit, as well as be the public face on the streetscape.

The flexible siting options for different housing types will result in a different patterning of rear yard space, with portions of the traditional rear yard being occupied by infill buildings and/or other small house forms. In some cases on larger assemblies, some open space will be brought into the centre of the space as a garden courtyard. In all cases, however, some portion of rear yard open space will be located adjacent to neighbouring rear yards.

### **a) Private open space**

Ground-orientation is an important aspect of the housing types contemplated under this zoning.

- i. A minimum area of 10m<sup>2</sup> with a minimum dimension of 2.4m of ground level (or near ground level) private outdoor space should be provided immediately adjacent to and accessible from each unit.
- ii. Balconies, decks and porches may augment, or substitute where semi-private open space is provided on site.
- iii. Small units (approx. 65m<sup>2</sup> sq.ft. or less) need not be provided with private open space if access is available to a shared open space.

### **b) Semi-private or shared open space**

Some siting options will create shared semi-private space, or garden/entry courtyards in the centre of the site. A minimum size or dimension has not been set for this to enable flexibility in design and siting of buildings.

- i. Semi-private open space should be designed:
  - as a focus of development and an organizing element, not as 'leftover' space
  - as a primary outlook and entrance for units in the middle and rear sections of a site
  - to provide sufficient distance, screening, landscape, and outlook considerations for the mutual comfort of dwellings overlooking the space.

## 8 Landscaping

The variety of housing types allowed may result in some increased coverage of the ground plane by building. It is therefore very important to ensure that outdoor space and landscaping is well designed to enhance the street and lanescape, and the enjoyment of private outdoor space. Larger scale planting with a vertical element enhances the definition and screening of private outdoor space, as well as contributing to improving the local micro-climate and reducing the rate and amount of stormwater released to the system.

- a) Landscaping should be varied, with use of shrubs, larger perennials, and trees, not just grassed areas.
- b) Existing trees and landscape features (such as stone walls) should be kept wherever possible
- c) At least part of the front yard should be grassed and/or planted as a visual amenity for the street. Patio areas in the front yard should be screened with planting. The presence of units at the rear of the site should be announced with entry gates, addressing, and other entry markers such as arbors or feature landscape.
- d) The front and back boulevard should be landscaped as a green space. At a minimum, they should be retained as grassed areas, but more intense planting is encouraged on most development particularly development that has the 4.9 m (16 ft.) front yard.
- e) In general, the By-law fence height limit of 1.2m in front yards, and 1.8m in rear and side yards should be respected. However, exceptions may be made for entry arbours, and trellises or screening elements immediately adjacent to patio or deck areas. Overheight elements in the front yard should assist with the definition of outdoor space but should not prevent all views or glimpses of the outdoor space from the street. Any overheight element should be largely transparent and limited in extent.
- f) Where walls or fences are provided they should be combined with soft landscape to provide visual depth, screening, and layering.
- g) Landscaping in semi-private common spaces in multi-unit developments should be designed to provide screening and filtering of views. Planting larger caliper trees is particularly necessary in this location.
- h) Where small houses or infill are located at the lane, every opportunity to enhance the lanescape with landscaping should be taken. This includes:
  - Entry gates and arbors over pedestrian entrances
  - Arbors over driveway entrances
  - Planted areas or planter boxes between garage doors
  - Trellised areas along the lane façade, between and above garage entries, to enable 'vertical greening' with vines.
  - Planters overhanging the lane on balconies and outside the windows of dwellings on upper levels.

- Planting of trees near the lane where possible
- i) Landscape treatment of driveways, outdoor parking spaces, and maneuvering areas is critical. As much soft landscaping as possible should be provided to soften the appearance of the paved area. Special decorative paving (interlocking pavers, brick, exposed aggregate etc.) and permeable paving should be used in maneuvering areas. Driveways should be paved wheel strips with planting in the mid section. Uncovered parking spaces should be well designed spaces with landscaped edges, decorative paving, permeable paving, or gravel surfaces. Where a driveway is located adjacent to a neighbouring property there should be a well landscaped setback of about 1m. Landscaping along this edge should include fencing, hedging, and closely spaced tree planting.

Where a semi-private common space is also utilized for vehicle access and maneuvering, it should be designed to function first as a space for pedestrians, and an outlook for dwellings. It should be treated as a court that happens to allow cars, and should be primarily paved with high quality, permeable or porous paving material. It will be of particular importance to design the courtyard and access in a way maximizes opportunities to introduce soft landscaping and vertical greening elements, and that will allow larger caliper trees to be planted and to thrive in the area. Materials and detailing adjacent to areas accessible to cars should be designed with resilience and durability to stand up well over time. It should be anticipated that trees in close proximity to maneuvering areas may need tree guards, and the design of these should be an integral part of the landscape and building design.

## **RT-10N**

### **Section 9 Additional Guidelines for Arterial Locations**

#### **9.1 Noise**

The RT-10N District Schedule which applies along noisy arterials contains acoustic standards and requires an acoustical report. Noise impacts to habitable areas in new development should be minimized through measures which may include:

- a) Building construction (eg. masonry construction, triple glazing)
- b) Site planning and unit design (in particular, locating living rooms and bedrooms away from the noise source where possible).

## Character Buildings

Much of the early residential development in many of Vancouver's neighbourhoods took place between 1910 and 1940. Homes built in this period were of various architectural styles and have been well documented. The most popular styles are described in Appendix A and range from the bungalow, cottage, and classic frame homes built in the craftsman style to the more elaborate homes such as the Queen Anne and Tudor styles seen in the City's older neighbourhoods of Shaughnessy and Mount Pleasant. Vancouver's neighbourhoods still contain a large proportion of the "pre-1940's houses, and these are often referred to as "character houses". Many "pre-1940's houses were modest structures with little ornament, and many have been modified over the years. Vancouver's neighbourhoods still contain a large proportion of the "pre-1940's houses, and these are often referred to as "character houses".

### Pre-1940's Character Buildings

The principal elements which are generally common to the traditional pre-1940's houses are the following:

- a) Simple mass with a dominant main pitched roof

Pre-1940's houses were simple with a basement projecting 1.2 to 1.8 metres above ground, a main floor, and optional full or partial second floor. On this basic box structure was a simple pitched primary main roof over the first storey eave. Roofs were most commonly end-gable (gable facing the street, ridge running lengthwise on the lot) or cross-gable (slope facing the street, ridge running across the lot). Roof pitch was usually substantial although bungalow styles feature low pitched gables roofs with broad overhangs. Other roof forms such as hip, gambrel or mansard were less common. Some houses also featured secondary roof elements over porches and verandas and projecting rooms.

- b) Emphasis on front entries and porches  
Covered porches on the main (entry) level were a universal feature, and were of several types.

- projecting from the facade under a separate roof structure, but with a solid base;
- projecting, but under an extension of the main roof; and
- inset from the facade

The front entrances were on the main level, about 1.2 metres (4 ft.) to 1.8 m (6 ft.) above grade. Upper level porches were also common on some styles. They were inset into the second storey wall, or partially inset into the wall and the porch roof below.

All porches has substantial depth, single storey height, robust wood supporting beams and columns, and robust picket type wood railing, or solid balustrade formed by an extension of the wall below. Any columns or posts were limited



to the first storey. They were single storey front entry covered porches, or recessed balconies.

c) **Windows and Doors**

Pre-1940's buildings were characterized by limited amounts of window area (relative to the wall) and simple rectangular shapes. Windows tended to be symmetrical often rectangular window openings with trim. Decorative window shapes were relatively rare. Doors were generally single, not double, but were usually panelled, some with windows.

d) **Materials and Detailing**

Wood was the most prevalent wall material. This was usually in the form of horizontal 3 to 4 inch clapboard, board and batten or shingles. Stucco was used on some "English Builder" and "Germanic cottage" style houses. Stucco was stone-dash, pebble-dash or medium textured stucco. Brick was used much more rarely.

Though not an exhaustive list, decorative detailing tended to be the expression of the wood trim such as around doors and windows, heavy beam and columns in porch structures, window casing frames and mullions, bargeboards and eaves brackets and braces, fascias, or exposed ends of "roof joists" under the roof overhangs. Detailing in wall materials included decorative shingling (fish-scale, scalloped, staggered or diamond-shaped), usually small amounts in the upper parts of gables and half timbering.

### **Popular "Pre-1940's" Architectural Styles**

The following architectural styles are representative of the less complex pre-1940's buildings prevalent in many of Vancouver's neighbourhoods.

#### **Bungalow or Craftsman**

The Bungalow and its variants dominated Vancouver domestic building in the years after 1910, supplanting the Classic Frame as the most popular house type. The features common to the many variations of Bungalows are low-pitched gabled roofs with broad eaves or overhangs, and the profuse use of wood detail (exposed rafters and beams, eaves brackets and braces, and textured wood clapboard or shingles). The most prevalent Bungalow type in Vancouver is an expansive house 1 or 1 ½ storeys high with the gable facing the street and often having a smaller, secondary gable over the projecting entrance porch. Entry stairs were solid substantial staircases, not flimsy open stairs. The porch columns/supports are usually short with sloping sides and their bases may be made of rough "clinker" bricks. The principal window beneath the main gable is often composed of three sashes.

#### **Bungaloid**

The term Bungaloid describes buildings in which features characteristic of Bungalows are seen in houses too large or different in form from that style. The most common Bungaloid type in Vancouver is a 2 ½ storey house with a front-facing gable, too tall to be a Bungalow, but sharing its profuse use of brackets, beam ends, stubby porch columns and other decorative wood features. Another version has side-facing gables, with dormers or other vertical features piercing the eaves.

### **Classic Box**

The Classic Box is a foursquare 2 or 2 ½ storey house with a hipped roof, often one of low pitch. The second storey is a full floor high, and if there is an attic floor, the roof has a dormer. Earlier versions are undecorated, like the Pioneer house. Later examples (after 1900) may have the ornamentation associated with the Decorated Pioneer, including bay windows and decorative window openings. Classical detail may also be found. Porches are common, and the bay windows may interrupt the simple lines of the hipped roof. The front door is usually on one side of the façade.

### **Classic Frame**

This is the most common Vancouver dwelling house for the middle class in the early 1900's. It is a timber-frame building between 1 ½ and 2 ½ storeys high, with the gable end of the roof presented to the street. Façade features usually include a porch and one or more bay windows. The door is located to one side. Ornamental variety in the wood and shingle siding is common. The house is similar to the Pioneer and Decorated Pioneer, but it has broader proportions and more interior space. A number of Classic Frames often appear side by side along the street, usually with minor variants in window shape, porches and decorative detailing.

### **Edwardian Builder**

This style was popular between 1900-1910, and used a variety of building forms. It's characterized by a steep roof and large porch, narrow bevelled wood siding or cedar shingle cladding, plain classical-inspired details such as small eaves brackets or dentils mouldings, porch column capitals, pediment roof forms, multi-paned or diamond-patterned windows; and stone/brick or porch supports or foundations not commonly used.

### **Pioneer**

These are modest houses usually 1 ½ (but sometimes 2 or 2 ½) storeys high with a front gabled roof facing the street containing the entrance door and perhaps a simple porch or veranda. Windows are usually plain, but a bay window may be situated beside the door or on the second floor. Proportions are tall and narrow. The houses are shiplap or narrow clapboard siding, the latter becoming prevalent around 1900. Corner boards and window trim are usually plain 25 mm x 150 mm (1 x 6 inch) boards, and windows are double-hung with two or four panes in each sash. A shed-roof kitchen is common at the rear. Basements are rare.

### **Decorated Pioneer**

Similar to Pioneer houses, but are more elaborate because of the addition of wood ornamentation at the gable ends, on porches, and for door and window detail. The fretwork - often called "gingerbread" - was created with the fret saw or the jig saw. Porch posts were turned with the lathe and chamfered. These dwellings often use contrasting patterns of wood siding and shingles, and scalloped and lozenge-shaped shingles appear frequently.

### **English Builder**

The English Builder style began to be built in the late 20's. It was an economical version of the more elaborate English Arts and Crafts or Tudor revival styles popular for

estates. Characteristics are step cross-gable main roof, with one or more large, steep, front-facing gables, usually asymmetrical placed; very small front porch; stucco cladding; and limited detailing (plain fascias and window frames, leaded windows; sometimes small pointed arches above windows, doors etc.

#### **Pioneer Cottage**

The Pioneer Cottage is a small dwelling, usually one storey high on a raised roof, and sometimes having a dormer window illuminating a bedroom in the attic space. They were frequently built in groups, and intact clusters have a row of them closely sited along the street. More elaborate versions may have a porch with classical columns and eaves brackets, but simpler ones have little ornament.

#### **Germanic Cottage (also called Eastern Cottage)**

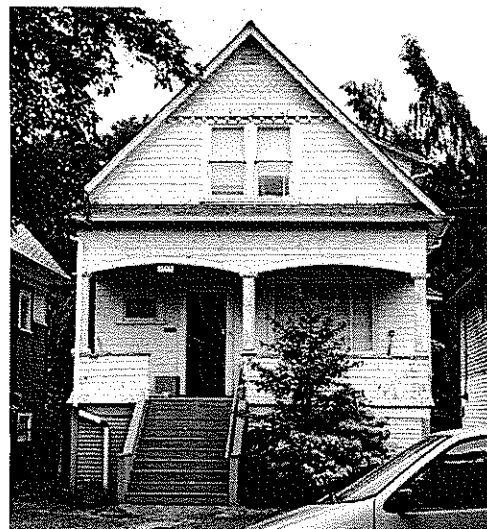
This style began to be used in the late 20's. Characteristics include small, 1 ½ storey form, with shallow-pitched end-gable roof, usually chamfered, stucco cladding, very small front porch, and detailing was limited: plain fascias and window frames, small window panes.

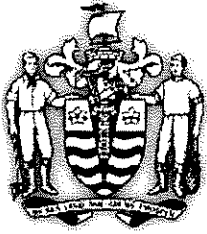
Figures \_\_\_\_\_ Photos of Character Buildings

Pre-1940's Character Houses: 1 to 1 ½ Storey Bungalow, Cottage and Pioneer Styles and their variants



Pre-1940's Character Houses: 1 to 2 storey Classic frame houses and variations

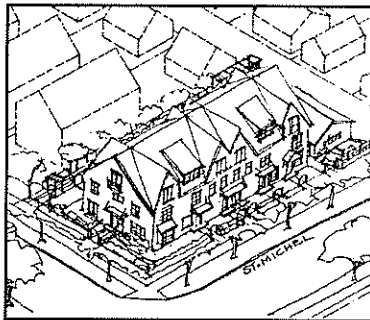
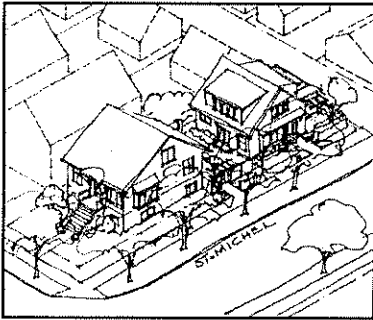




**City of Vancouver** *Land Use and Development Policies and Guidelines*  
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# **RM-1 AND RM-1N COURTYARD ROWHOUSE GUIDELINES**

*Adopted by City Council on (date)*



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Appendix A

Appendix B

Note: The guidelines are organized under standardized headings. As a consequence, there are gaps in the numbering sequence where no guidelines apply.



## 1 Application and Intent

These guidelines are to be used in conjunction with the RM-1 District Schedule of the Zoning and Development By-law throughout the City.

The intent of these guidelines is to:

- (a) Encourage the development of courtyard rowhouses, on sites of sufficient size, in areas previously zoned single-family;
- (b) In some defined locations, allow the construction of apartment form multiple dwellings.
- (c) Ensure neighbourliness while recognizing that the new development's siting is not intended to be the same as earlier development under RS zoning;
- (d) Ensure high quality design, but allowing architectural diversity rather than prescribing any particular architectural character; and
- (e) On sites not developing courtyard rowhouses, to encourage the retention and renovation of character buildings (refer to S 2 for definition of character buildings)
- (f) On sites not developing courtyard rowhouses, and where a character house does not exist, to allow two principal buildings.

### 1.1 Minor Applications

Under RM-1, almost all development permit applications will involve a conditional use, or a discretionary variation in the regulations. This means a discretionary review process, which can be quite time-consuming.

There will be situations where an applicant wishes to make only a minor change to an existing development, and the applications of a full set of guidelines would be onerous.

Where an application fulfills one or more of the following criteria, the application will be evaluated against the guidelines in Section 2, 3 and 4 but not against those in 5, 7, and 8:

- (a) the number of units is not increasing (other than for the provision of a secondary suite);
- (b) additions are not proposed, or if proposed are less than 9.3 m<sup>2</sup> (100 sq. ft.) and are not visible from the street(s); and
- (c) an application to strata-title the development is not being made.

## 2 General Design Considerations

### 2.1/2.2 Neighbourhood/Streetscape Character

#### 2.1.1/2.2.1 Development Scenarios

(a) Sites with a minimum area of 604 m<sup>2</sup> (6500 sq. ft.) and minimum frontage of 18.3 m (60 ft.) qualify for multiple dwelling and more than one principal building. The intent is to allow Courtyard Rowhouse development.

- (i) The basic type will have one row of side-by-side units near the street, and one near the lane, i.e. two principal buildings. Parking would be at grade under the rear row of units or, subject to rigorous design guidelines, internal to the site in a "carriage court".
- (ii) As an alternative, the applicant may wish to provide underground parking. In these cases additional floor space and more units may be considered.
- (iii) Stacked units may be considered, subject to the design guidelines in Section 5.0 dealing with this form.

(b) In some defined locations (see map in Appendix A) the multiple dwelling may take the form of a three storey apartment. The locations have been established during the planning process leading to the adoption of the District Schedule in a particular area. The intent is to provide a housing form that has single level units to suit seniors and the disabled.

(c) On sites that do not qualify for, or do not choose to do, a multiple dwelling development, the intent is to continue to allow approximately the same development potential that existed under RS zoning except that:

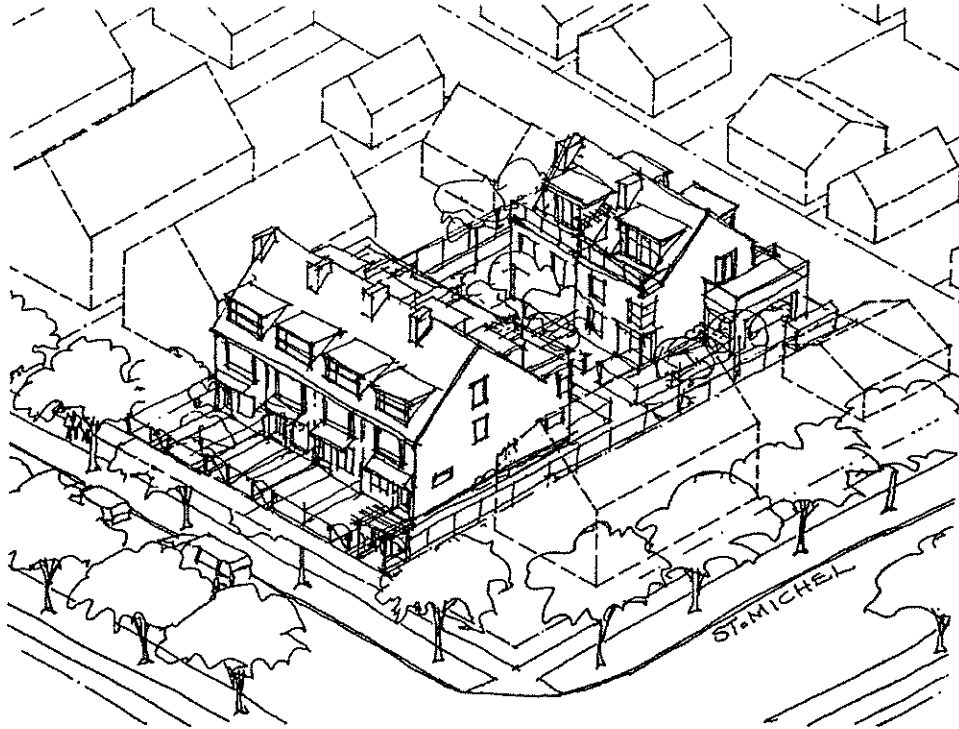
- (i) developments that choose to retain a character building, may have an infill one-or two-family dwelling, as well as the principal building, subject to being able to meet fire access requirements.
- (ii) sites without a character building may have two principal buildings, one at the front, one at the rear of the site. Guidelines for the form and massing of infill buildings will apply to new principal buildings at the rear of the site.

(d) Existing buildings, including character buildings, may be moved to achieve better siting and conform better to the regulations and guidelines.

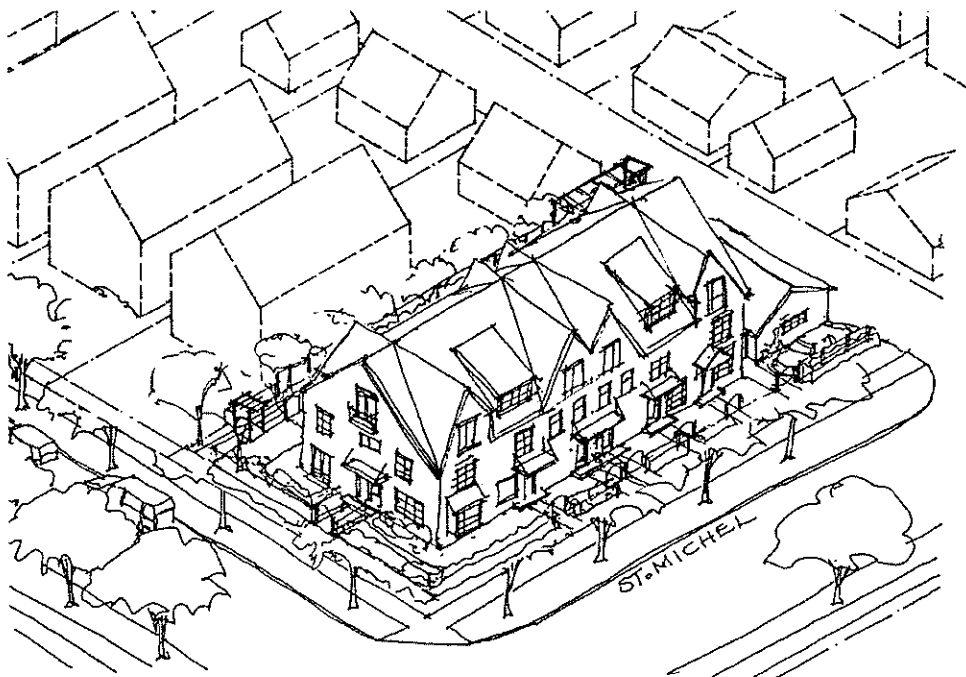
(e) Existing buildings may be raised to achieve adequate headroom for basement useability. In the case of character buildings the resulting main floor elevation should not be more than 2.0 m (6.5 ft) above the grade at the front of the building.

## Illustrative Examples of 2 Lot Site Plan Options

### Rowhouse - Mid-Block Option



### Rowhouse - Corner Lot Option



## Illustrative Examples of 3 Lot Site Plan Options

### Courtyard Rowhouse with Parking from Lane and Courtyard



### Courtyard Rowhouse with Underground Parking

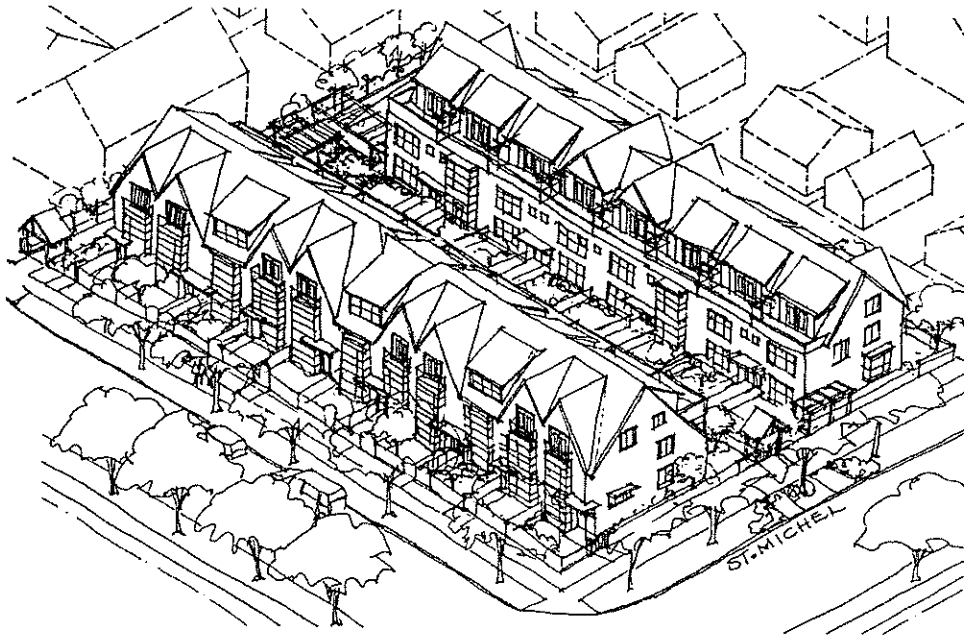
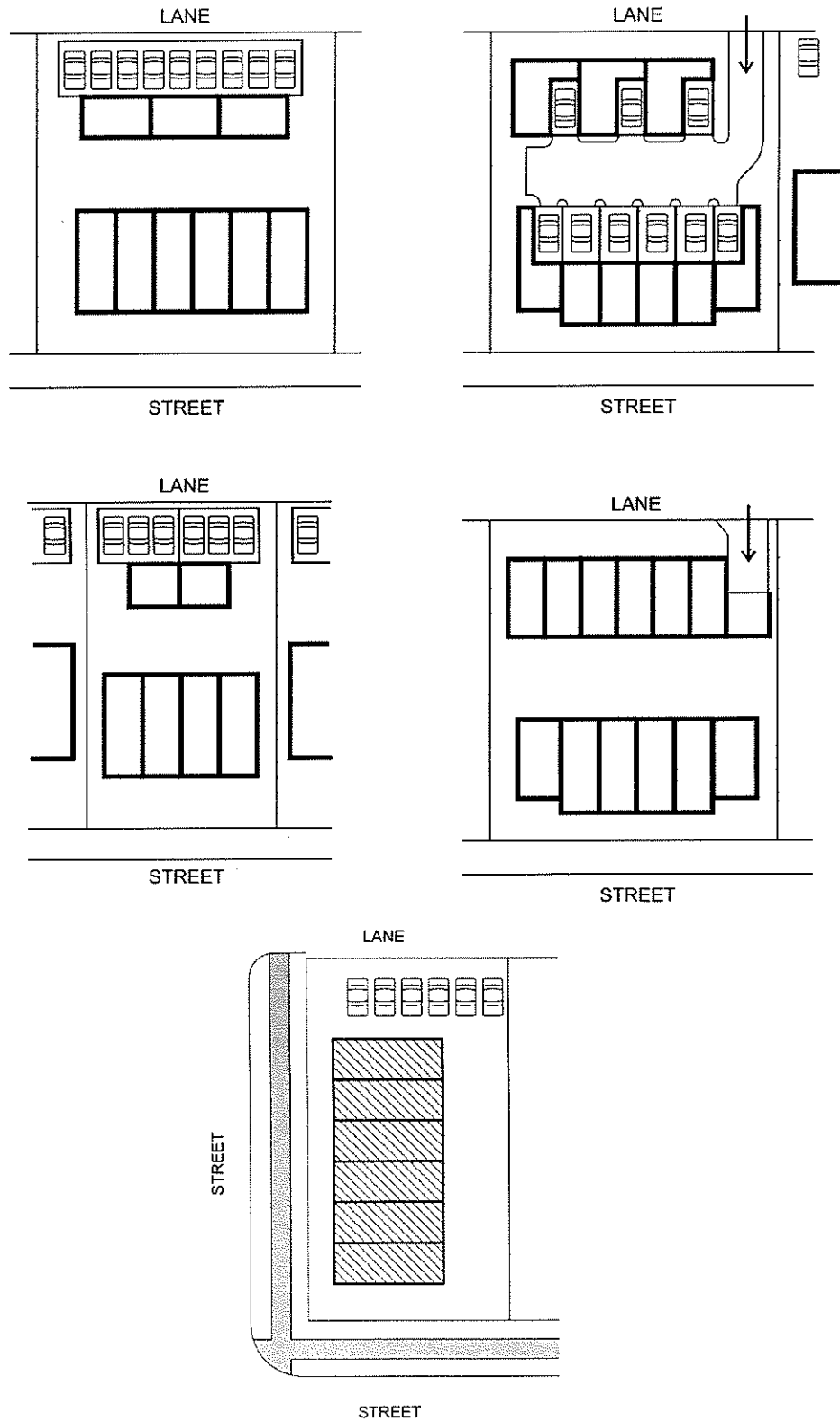


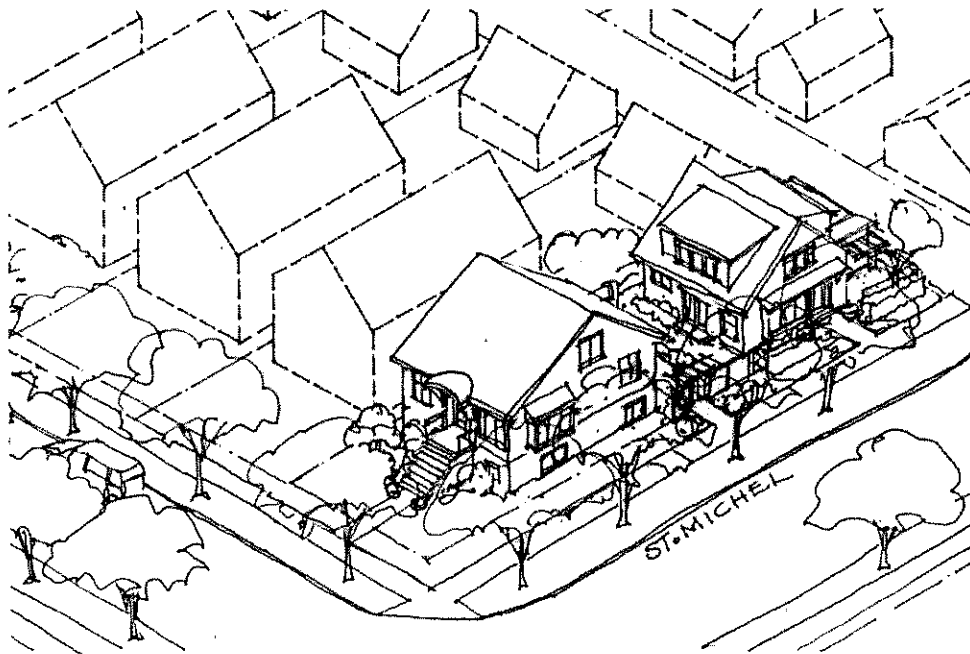
Figure \_\_\_\_ Development Scenario Diagrams



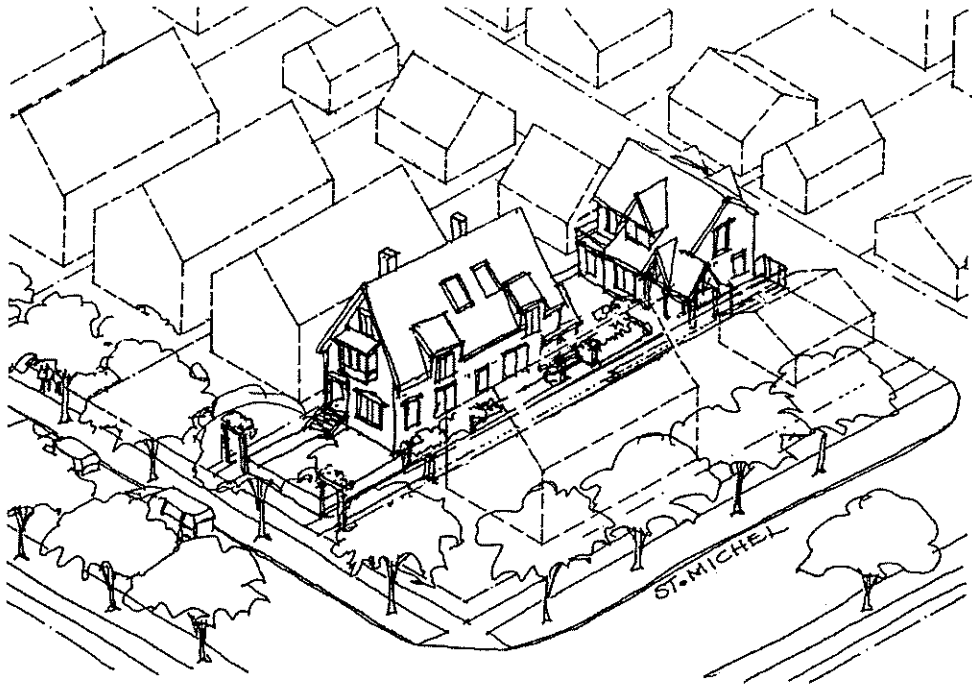
Duplex Option



Single-Lot Character House with Infill (Corner Lot Location)



### Single-Lot Character House with Infill (Mid-Block Option)



#### 2.1.2/2.2.2 Character Building Retention

Character buildings are those built before 1940 and maintaining significant elements of their original character. (See below for details on the determination of whether a building qualifies as a character building.) Various incentives and relaxations for retaining character buildings are outlined in later sections of these Guidelines.

(a) In non-multiple dwelling developments, retention of a character building is at the applicant's discretion.

(b) Pre-1940 buildings which have been too altered to qualify as character buildings may, if character elements are fully restored as part of the development proposal, allow the proposed development to be considered for the incentives and relaxations available to developments with character buildings.

#### Definition of a Character Building

For the purposes of these guidelines, a character building is defined as a building built before January 1, 1940\* which in the opinion of staff meets at least four of the following seven criteria with respect to the street facing facades (See Appendix B for more detailed information about character buildings in Vancouver.)

A character house has retained at least 4 of the following features on the street-facing façade(s):

1. Retains original massing and roof form

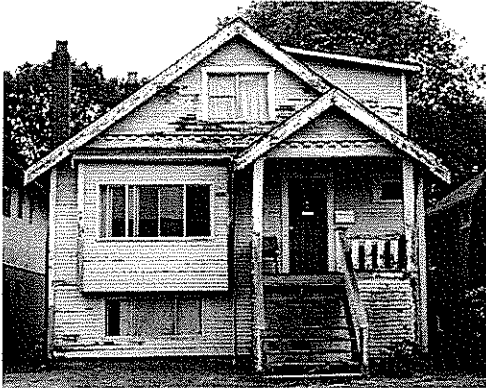
2. Has original front porch or veranda or only partially (no more than half filled in)
3. Has original cladding or replaced with materials typical of the pre-1940's
4. Has 50% or more of typical period window openings (original location, size and shape)
5. Has 50% or more original casings or trim such as wood treatment around windows and doors
6. Retains a minimum of 2 period detailing or decorative elements (fascias, eave brackets, soffits, exposed beam or joist ends, half timbering, decorative shingling, porch columns, original wood doors, entry transom/sidelights, decorative or feature windows of round, diamond, octagonal or palladian shapes or crafted glass)
7. Exhibits other period features (secondary porch, secondary roof with gable ends and dormers, brick or stone foundations etc.)

\*as determined by building permit or water connection records.



## EXAMPLES OF CHARACTER BUILDING ASSESSMENT

### Pre-1940's Houses that feature less than 5 character elements



- original massing and roof form
- original front porch (or only partially filled in)
- cladding is original
- contains 50% or more typical period window openings
- retained 50% or more original casings or trims
- retained pre-1940's detailing (eave fascias, brackets, etc)
- other features (intact secondary porch, turrets, etc.)

5 TOTAL (character elements)



- original massing and roof form
- original front porch (or only partially filled in)
- cladding is original
- contains 50% or more typical period window openings
- retained 50% or more original casings or trim
- retained pre-1940's detailing (eave fascias, brackets, etc.)
- other features such as intact secondary porch, etc.

2 TOTAL (character elements)



- original massing and roof form
- original front porch (or only partially filled in)
- cladding is original
- contains 50% or more typical period period window openings
- retained 50% or more original casings or trim
- retained pre-1940's detailing (eave (fascias, brackets, etc.)
- other features such as intact secondary porch, etc.

4 TOTAL (character elements)



- original massing and roof form
- original front porch (or only partially filled in)
- cladding is original
- contains 50% or more typical period period window coverings
- retained 50% or more original casings or trim
- retained pre-1940's detailing (eave (fascias, brackets, etc.)
- other features such as intact secondary porch, etc.

5 TOTAL (character elements)

## 2.3 Orientation

(a) Developments should orient main entrances of units in the front buildings to the street, and of units in rear buildings to the internal courtyard. On corner sites, entries may be located facing both streets.

(b) On a corner or double-fronting site, all elevations which face a street should be fully designed and detailed.

## 2.6 Lighting and Ventilation

The courtyard rowhouse development scenarios include a central courtyard that plays a role in providing light and ventilation to both rows of units.

(a) A garden and pedestrian courtyard should be a minimum of 7.3 m (24 ft.) clear width on the first and second levels, and a minimum of 9.8 m (32 ft.) on the third.

(b) "Carriage Court" courtyards, where vehicles are using the space, should be a minimum 8.5 m (28 ft.) on the first and second levels, and a minimum of 9.8 m (32 ft.) on the third.

(c) There are no set restrictions on what rooms can face the courtyard.

(d) Projections permitted into the courtyard should be the same as the allowable projections into yards in Section 10.7 of the Zoning and Development Bylaw, except that

(i) On the first level, entry porches and bay windows may project into the minimum courtyard width.

(ii) the minimum distance between projecting bay windows should be 7.3 m (24 ft.) on the second level.

(iii) on the third level, portions of roofs sloping away from the courtyard, balcony rails, pergolas and similar architectural features should also be permitted to project into the courtyard width.

**Figure \_\_\_: Garden Courtyard, Pedestrian Access Only**  
Minimum 24' width on first and second levels, increase to 32' on third level

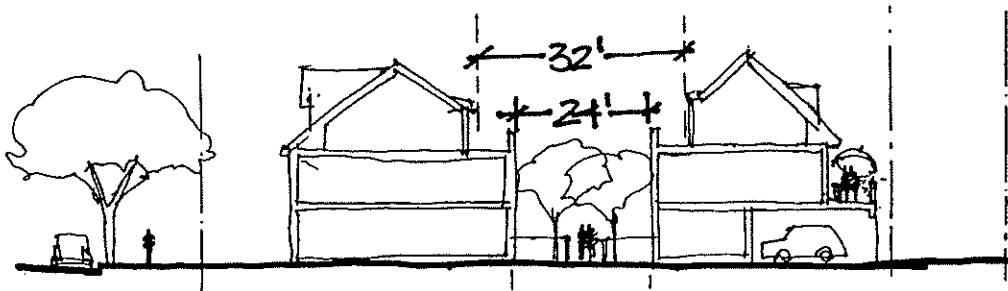
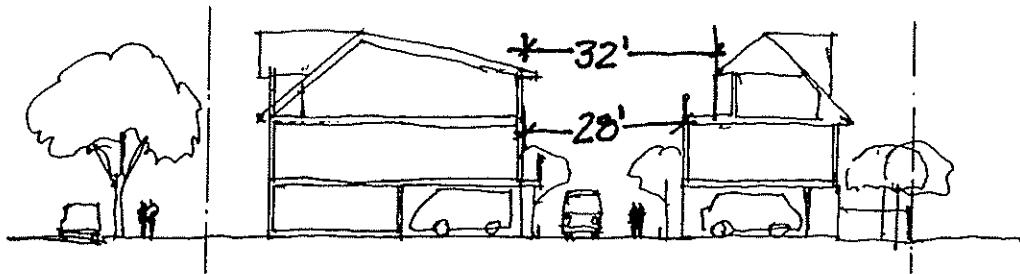


Figure \_\_\_: Carriage Courtyard, Vehicle Access Both Sides  
Minimum 28' width, increased to 32' on third level



### 2.9 Privacy

Given the intent of the courtyard rowhouse form, some overlook of private open space and direct lines of sight into windows is to be expected within a development. However, effort should be made to minimize these impacts on existing adjacent development.

New multiple dwelling development should:

- (a) The location and orientation of windows, decks and balconies in new development should be carefully considered to reduce looking into close-by windows of existing adjacent development.
- (b) Enhance visual privacy for units, balconies and private open space as much as possible through unit planning and landscape screening.

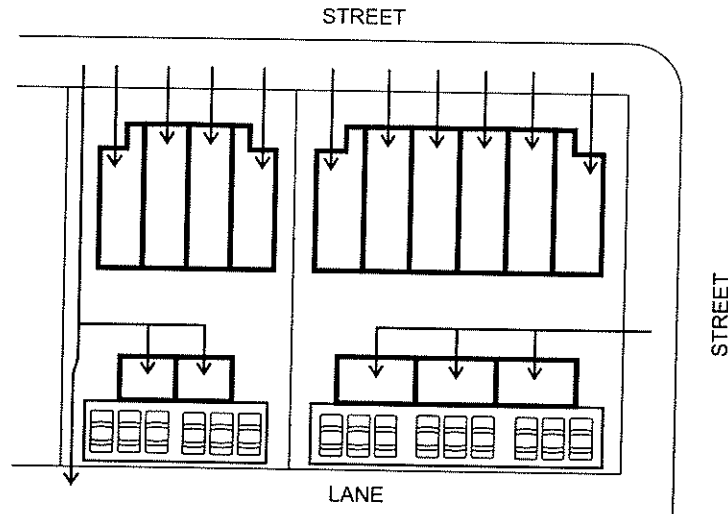
### 2.10 Security

Security is improved when casual surveillance by neighbours and passersby is possible.

- (a) Visibility of unit entrances from the sidewalk is desirable, noting that given development siting intended in this District, it is not expected that the entries to all rear units will be visible.
- (b) Discreet lighting of paths and entries should be provided.

### 2.11 Access and Circulation

- (a) Pedestrian access to the front doors of units should be from the street where the units face a street, and otherwise from the common courtyard.



(b) In order to provide fire access to buildings at the rear of sites:

(i) pedestrian access route(s) to buildings at the rear should maintain a minimum separation of 2.4 m (8 ft.) from the property line and any other building, and clear path of 2.0 m (6.5 ft).

(ii) in cases where a character building is being retained and there is only one unit in an infill building at the rear of the site;

- (a) the separation between the building and the property line, and the clear path width may be 1.2 m (4.ft); or
- (b) on a corner site, access may be provided to the rear unit directly from the flanking street; or
- (c) on a site with a flanking lane, access may be provided directly from the lane. Where access to an infill unit is proposed from a flanking lane, approval and posting of a restricted area of no parking along the flanking lane must be sought from the Director of Engineering Services. Marking of the presence of the infill unit at the street, including addressing and signage is to be to the satisfaction of the City's Fire Prevention Services.
- (d) Where a clear 1.2 m path from the street to the rear infill unit cannot be provided on site, it may be possible to covenant with an adjacent neighbour to provide access to the rear of the site from the street. A combined and covenanted access should provide a minimum clear building separation of 1.6 m (5.5 ft.), with a clear unobstructed path of 1.2m. The path may serve no more than a total of two units, one per site. A covenant must provide access in perpetuity, and cannot be terminated without the explicit approval of the City's fire prevention services.

(iii) Pedestrian access should be provided between the lane and the courtyard, or the outdoor space between principal buildings and infill.

(iv) On lots without lanes, additional requirements for firefighter access, or upgrades to fire protection standards may affect the placement, separation, or construction of buildings. Applicants should review the specific siting conditions of lots without lanes with City fire prevention staff at the outset of a proposed project involving buildings at the rear of the sites.

(c) Pedestrian access should be provided between the lane and the courtyard through the sideyard space.

(d) Vehicular access should be from the lane, where one exists. In a “carriage court” form of multiple dwelling the driveway from the lane may be located away from the neighbouring property or along the side of neighbouring property, but in the latter case it should be separated from the adjacent property line by a 1.0 m (3 ft) landscaped setback.

Where there is no developed lane:

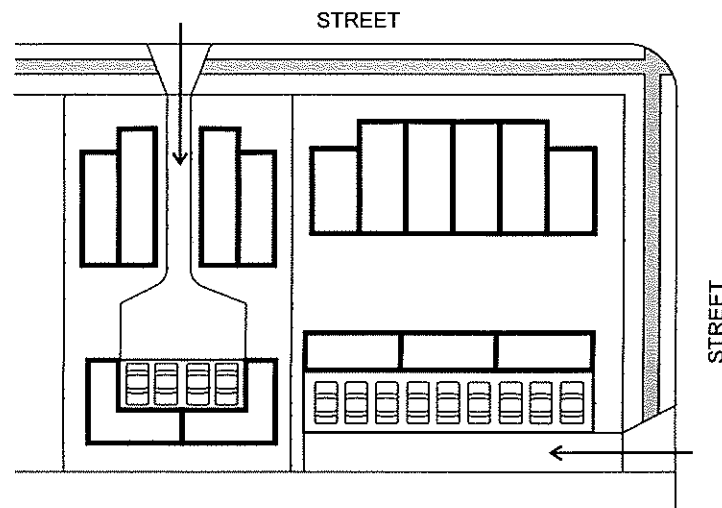
(e) On sites with multiple dwelling development:

(i) Access to corner sites should be along the alignment of the future lane, except in the case of carriage court developments where access directly into the carriage court may be considered.

(ii) Access to mid-block sites may be from the street, provided that there is only one driveway access per site. The driveway should be located internally to the site when the frontage size makes this possible. When there is no choice but to run a drive along the side of neighbouring properties, it should be separated from the adjacent property line by a 1.0 m (3 ft) landscaped setback.

(iii) The width of the curb cut and drive should be minimized.

(iv) No garages should face the street.



(f) On sites with non-multiple dwelling development, access may be from the street to a garage that faces the street:

(i) curb cut width is minimized. The manoeuvring area in front of the garage door should be limited to what is necessary to get the vehicles into the garage. An offset, rather than centred, curb cut should be considered in order to consolidate space left for landscape and entries;

(g) Flexibility in guidelines (d), (e) and (f) should be allowed:

(i) for a character building being retained

(ii) whenever the retention of a street tree or significant on-site tree will be achieved.

(iii) where hydro pole locations limit driveway placement.

(iv) where site topography better suits alternate parking access location.

### 3 Uses

(a) Uses may be considered as per the following table and subsequent guidelines.

| Uses                                   | Multiple Dwelling Development | Non MD Development            | Non-MD Development retaining a Character Building |
|--|-------------------------------|-------------------------------|---|
| 1 Family Dwelling                      | ✓                             | ✓                             | ✓   |
| 1 Family Dwelling with Secondary Suite | ✓                             | ✓                             | ✓   |
| 2 Family Dwelling                      | ✓                             | ✓                             | ✓   |
| MCD 2 units, no additions              | ✓                             | ✓                             | ✓   |
| MCD 2 units, with additions            | ✓                             | ✓<br>in any existing building | ✓<br>in any existing building                     |
| MCD 3 units, with or without additions | ✓                             |                               | ✓<br>in the character building(s) only            |
| Multiple Dwelling                      | ✓                             |                               |   |
| Infill One-Family                      |                               |                               | ✓   |
| Infill Two-Family                      |                               |                               | ✓   |

(b) In considering MCDs, quality and livability of the resulting units will be taken into consideration.

(c) While Infill may be considered for non-multiple dwelling development that are retaining a character building, achieving adequate fire access (see Section 2 (b)) may preclude this option on some mid block sites.

(d) Seniors Supportive or Assisted Housing may be considered on any site, subject to all the regulations and guidelines that would apply to other dwelling uses on the site.

## 4.0 Guidelines Pertaining to Regulations of the Zoning and Development or Parking By-laws

### 4.1 Site Area

The District Schedule allows the Director of Planning to consider multiple dwelling on sites less than 604 m<sup>2</sup> (6500 sq. ft.). This is intended to allow for abnormally shallow or irregular sites.

(a) Multiple dwelling may be considered on sites with a minimum area of 510 m<sup>2</sup> (5489 sq. ft) provided they have the normally required 18.3 m (60 ft) frontage, and sufficient lane access. In these cases, it may only be possible to achieve a single row of units.

### 4.2 Frontage

#### 4.2.1 Determination of Frontage

For sites with boundaries on more than one street, Section 10.5 of the Zoning and Development By-law allows the Director of Planning to determine which side of the site will be deemed the front.

(a) Generally, in deeming frontage, the established pattern in the immediate vicinity of the site should be followed, noting however that on corners, building fronts and entries may be located facing both streets (see S. 2.3).

#### 4.2.2 Frontage Size

There is no maximum frontage size. However:

(a) For developments with frontages of 32 m (105 ft) or more, particular care should be taken to avoid monotony in building massing and design so that the development fits with the variety inherent in an existing streetscape.

### 4.3 Height

The maximum permitted height is 10.7 m (35 ft.), and it is anticipated that development will be two storeys plus partial third story. In order to achieve better compatibility with adjacent existing development:

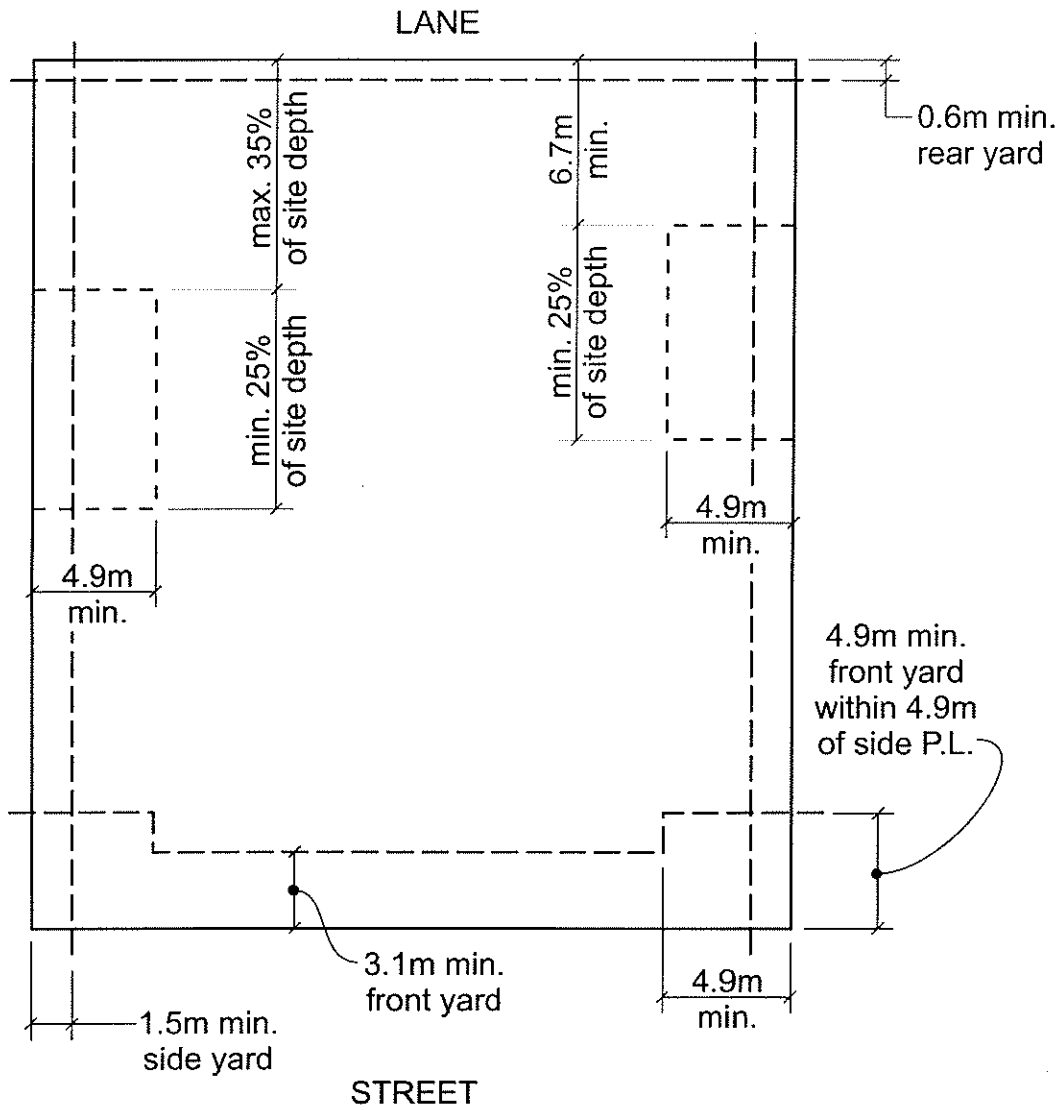
(a) On multiple dwelling rowhouse developments, the massing and roof forms along the sides and rear of the site should be designed to reduce apparent scale. (Refer to additional guidelines in Section 5.0)

(b) On non-multiple dwelling developments, rear yard infill or principal buildings located in the rear should be one-storey plus partial second storey, or one storey plus partial second storey with basement. In considering the partial second storey, the guidelines in Section 5.1 should be followed. The height of rear yard infill or principal buildings should be 7.7m (25 ft.)



(c) On non-multiple dwelling developments with rear yard infill or principal buildings, the Director of Planning may consider height above 7.7m on sloping sites and on corner sites where the infill or principal building is more than 4.9m (16ft.) from the adjacent property.

Figure Yard Requirements Diagram



#### 4.4 Front Yard

(a) As provided for in the District Schedule, variations in the front yard requirement may occur as follows:

- (i) Where the site is less than 36.5 m. in depth, the front yard may be reduced.
- (ii) Where the site is more than 41 m (135 ft.) deep, the front yard may be required to be increased, to be more compatible with adjacent development.
- (iii) On corner sites with multiple dwelling development, within 16 ft of the exterior side property line the front yard of the new building may be reduced to 3.1 m. (10 ft.)
- (iv) To assist the retention of character buildings.

(b) The District Schedule permits porches on multiple dwellings to project up to 0.6 m. (2 ft) into the required front yard. When a development is located beside existing houses or duplexes, these projections should be located a minimum of 4.9 m (16 ft) from the shared side property lines.

#### 4.5 Side Yards

On all sites, a basic side yard is required along the full depth. However, a wider enhanced side yard is also required. This is in order to allow a neighbourly relationship to the rear yards of adjacent development. The location of the enhanced side yard is flexible, within certain limits, in order to allow a variety of development scenarios. As illustrated in Figure \_\_\_\_, the enhanced side yard need not be located in the same position on both sides.

As provided for in the District Schedule, the required side yards may be varied as follows:

- (a) On the flanking side of corner sites, the enhanced side yard need not be provided. However, if a rowhouse development is oriented with primary dwelling entries facing the flanking street, the minimum sideyard should be increased to 2.4m (8 feet)
- (b) The size of the enhanced sideyard may be reduced to assist in the retention of character houses, and for infill on a site that is retaining a character house. The reduction of the enhanced sideyard should retain a minimum separation between the infill building and the character house of 4.9 m (16 ft.)
- (c) Where a site is more than 41 m (135 ft.) deep, the enhanced sideyard location may need to be varied (pulled forward) in order to be more compatible with the siting of adjacent development.

#### 4.6 Rear Yard

The minimum rear yard of 0.6 m (2ft) is intended to provide space for vehicle access as well as space for planting at the lane. (Note that the enhanced sideyard effectively replaces the normal rear yard requirement.)

Section 4.6.2 enables the Director of Planning to increase the rear yard requirement. On sites where there is no lane and dedication is not sought, the rear yard will be increased to a minimum of 4' for infill and single unit principal buildings with a one a partial second storey massing, and greater for multiple dwellings with a two and partial third storey massing.

#### 4.7 Floor Space Ratio

(a) The discretionary increases in floor space ratio, provided for in the District Schedule, may be considered up to the maximums listed below.

(i) Multiple Dwelling Developments

|   |          |
|---|----------|
| On sites 1068 m <sup>2</sup> (11,500 sq. ft.) or less, with on-grade parking            | 0.90 FSR |
| On sites greater than 1068 m <sup>2</sup> (11,500 sq.ft.), with on-grade parking        | 1.00 FSR |
| On sites greater than 1068m <sup>2</sup> (11,500 sq.ft.) with fully underground parking | 1.20 FSR |

(ii) Non-Multiple Dwelling Developments

|  |          |
|--|----------|
| Without character building retention         | 0.60 FSR |
| With character building retention (optional) | 0.65 FSR |

The additional floor space for development retaining character buildings is intended to provide an incentive, and to accommodate the existing basement space most of these buildings will have. (Refer to S. 2.1.1/2.2.1(g) regarding raising character houses.)

To achieve the maximums with an acceptable form and siting, it is likely that some floor space will need to be on a third level, and in parts of the development this will need to be under a sloped roof, and will not be full height space.

On sites where there is no lane, it is likely that the full discretionary increase for multiple dwellings will not be achievable with an acceptable siting and massing.

(b) A floor space exclusion for inaccessible space under porches has been included in the District Schedule in order to make providing porches easier.

(c) For Seniors Supportive or Assisted Housing, on sites that would qualify in size and frontage for multiple dwelling development, the maximum FSR to be considered should be as in (a)(i) above, and for other sites, as in (a)(ii) above.

(d) The District Schedule limits the discretionary increase in floor space ratio for non-dwelling uses to a maximum of 0.60. This is the same density potential these mainly conditional uses (e.g. schools, community centres, libraries) have historically been able to achieve in RS zones. While there are no further guidelines in this document

for these uses because of their diversity in size, scale, age and style, their design should strive for neighbourliness and compatibility with their immediate surroundings.

#### 4.8 Site Coverage

Section 4.8.5 of the District Schedule allows the Director of Planning to consider increasing the impermeability limit for developments with underground parking.

(a) In cases where a multiple dwelling provides most or all of its parking requirement underground, the 75% impermeability limit may be exceeded to the degree commensurate with the underground coverage of the parking. Particular efforts should be taken with these developments to use landscape treatments, green roofs and other measures to slow the run-off of stormwater.

#### 4.9 Off-Street Parking and Loading

The choice as to whether to provide parking at-grade or underground, is intentionally left to the developer. The at-grade parking option will greatly assist in ensuring affordability.

Parking spaces in courtyard rowhouse scenarios will normally be located under the rear building, accessed directly off the lane. However, "carriage court" developments are also an option, under the guidelines below.

##### 4.9.1 Parking Internal to Site

(a) Parking may be considered under the front row of buildings in the "carriage court" option. The following conditions should be met:

(i) Parking spaces should be enclosed within the unit, and there should only be one enclosed parking space per unit.

(ii) Maneuvring areas for more than one car should be at least 2.4 m (8 ft.) from neighbouring properties; and should be at least 2.4 m (8 ft.) from units not served by the parking

(iii) Access drives and maneuvring areas should be permeable, and conform to guidelines regarding treatment and landscaping (see S. 8)

(iv) Access drives may be located adjacent to neighbouring properties. For guidelines regarding driveways and landscaping see Section 8(h).

##### 4.9.2 Front Garages

(a) As outlined in S. 2.11 (f), only non-multiple dwelling developments without developed lane access may have a garage facing the street. Garages should be well-designed, appearing to be set into the building massing, rather than being expressed as a base with the house sitting on top:

(i) the garage door area should be as small as possible, so that the wall reads strongly as a base for the whole building;

(ii) the garage doors should tone in to the wall through avoiding high contrast in colour or tone (i.e. between light and dark);

(iii) generally the garage face should be kept in the same plane as the upper building massing (i.e. with the same walls carrying down to grade); and

(iv) use of contrasting horizontal trim, skirt roofs, decks etc. at the top of the garage, which act to emphasize it as separate from the building, should be avoided.

(b) Some older houses have existing front garages, which may be kept. Inserting new front garages in older houses should be avoided whenever possible.

#### 4.9.3 Parking and Drop-Off for Three Storey Apartments

(a) Three storey apartment buildings should generally locate their parking underground or in the main structure, but since seniors and disabled may use the buildings, provision should be made for limited drop-off/pick-up and waiting, preferably at the rear of the building but fully accessible to the elevator lobby.

Figure            Parking Internal to Site

#### 4.18 Dwelling Unit Density

The District Schedule provides for an increase in dwelling unit density, and where the calculation results in a fractional number, it should be rounded down.

(a) For sites up to and including 1.0 FSR with at grade parking, 86 units per hectare (35 units per acre).

(b) On sites greater than 36.5 metres (120 ft.) in depth, with a courtyard rowhouse scheme and at grade parking, it may not be possible to achieve all the dwelling units based on the units per acre calculation. This is because the site width may not accommodate the necessary parking spaces on the street, the limitations of parking along the lane, pedestrian access paths and garbage and recycling areas.

(c) On sites where there is no lane, it may not be possible to achieve all the dwelling units based on the units per acre calculation. This is due to potential difficulty in accommodating the required parking spaces.

(d) When underground parking is provided, the dwelling unit density may be increased to 98 units per hectare (40 units per acre) in a courtyard rowhouse scheme where no units are above or below each other; and to 130 units per hectare (53 units per acre) when units are stacked.

(e) An additional unit beyond the total given by the units per hectare calculation may be considered, provided this unit is 60 m<sup>2</sup> (650 sq. ft.) or less in area. A parking relaxation of 1 space is included in the Parking Bylaw for such a unit.

(f) For three storey apartment developments, there is no prescribed unit density, in order to allow more flexibility. The proposed density will be evaluated on site conditions, unit livability and the suitability of the proposal for accommodating seniors and disabled persons.

(g) Requirements for fire fighting access may limit the number of units that can be achieved on deeper than typical sites.

## 5 Architectural Components

The following guideline sections are organized into two broad categories:

Section 5.1 applies to all new buildings whether a courtyard rowhouse on a larger lot or lot assembly, a single family house, a duplex, or an infill building (Note that a courtyard rowhouse is referred to as a 'multiple dwelling' in the RM-1 District Schedule). This section also applies to renovations and additions to existing buildings that are 'non-character' buildings. The guidelines allow for a choice of traditional and contemporary architectural styles in new and 'non-character' buildings.

Section 5.2 applies to renovations and additions to existing 'character' buildings as defined in Sections 2.1.2 and 2.2.2. These guidelines are aimed at ensuring that changes to 'character' buildings are done in a manner consistent with the original character.

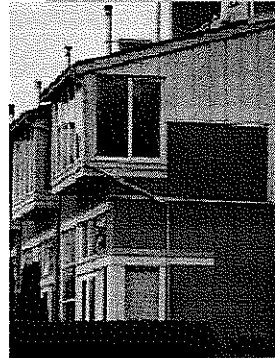
To determine whether an existing building is considered a 'character' building refer to Sections 2.1.2 and 2.2.2.





**traditional style examples**

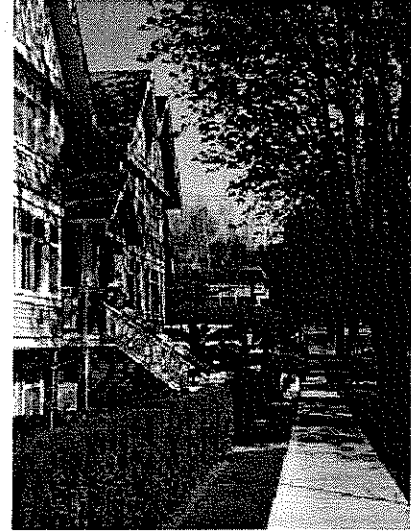
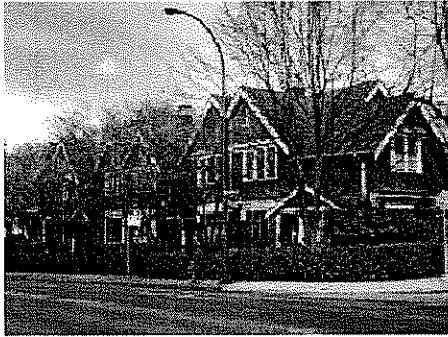
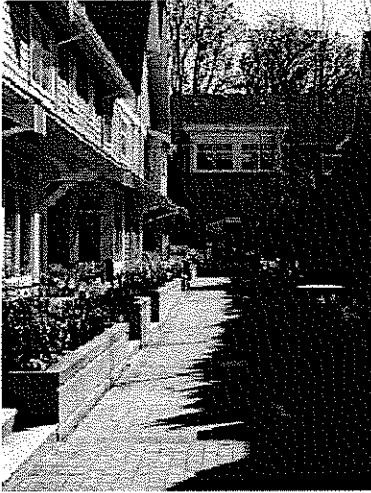
**contemporary style examples**



Duplex, Infill and Small House Examples



# Rowhouse Examples



## 5.1 New Development, Infill, and Addition to 'Non-Character' Buildings

The intent of these architectural guidelines is to allow a variety of architectural styles, so that neighbourhoods may continue to evolve, but in a way that respects the character and fabric of existing buildings and streetscapes. The guidelines are intended to ensure that all new development, of any architectural style, demonstrates high quality design and neighbourhood fit.

The guidelines can be interpreted in a contemporary style, or in a traditional style, with the choice of direction being the proponent's.

While choice of style is up to the proponent, it should be noted that undertaking a successful contemporary style building is both more difficult to design, and harder to judge because precedents are not as clear as with traditional designs. Staff will need to bring more judgement to the assessment of contemporary designs.

Section 5.1.1 outlines General Design Considerations that address fundamental aspects of building form, massing and design. Sections 5.1.2 through 5.1.6 address more detailed aspects of the design of building elements. Finally depending on the architectural approach chosen, Section 5.1.7, Additional Guidelines for Traditional Style Buildings, or Section 5.1.8, Additional Guidelines for Contemporary Style Buildings will apply.

While many of the following guidelines will apply to all new development, there are some distinctions made and different approaches sought depending on whether a development is a rowhouse form of development or a house form. Rowhouse developments have historically and successfully relied upon a different aesthetic from that of the house, and of the house form multiple family conversions and new construction typical of many of Vancouver's medium density zones. Instead of suggesting a single home through elements such as massing and a hierarchy of porch, window, and door location and design, rowhouses rely on a simple repetition of often identical or near identical side-by-side units, each expressing its boundaries and presence simply and clearly on the street facing façade of the building. The resulting distinctions and departure points in design direction are made in the guidelines.

### 5.1.1 General Design Considerations

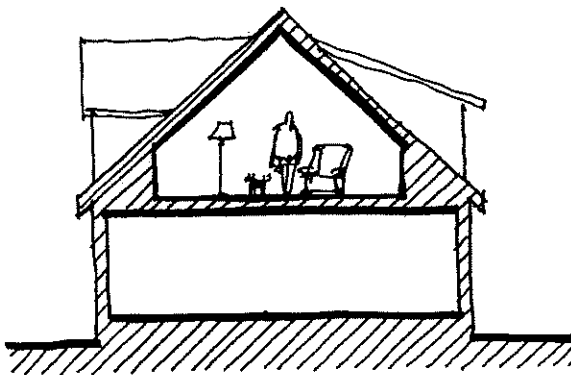
#### a) A simple mass with a simple sheltering roof.

Most of the original housing forms in Vancouver had substantially pitched roofs with eave lines that descended far enough to fully or partially envelop the top floor. Bringing the eaves closer to grade and expressing the form of the roof within the upper level inhabited space emphasizes the main level of the house and reduces the apparent mass of the building as viewed from the street.

- i. The main roof should be pitched.
- ii. Building forms should begin as a simple mass, with a clear, simple, visible and dominant roof. The integrity and simplicity of the main building forms should be readable from the street and from the lane. Roof forms should generally not be 'busy' composite roof forms, except that courtyard rowhouse roofs may

necessarily be more complicated in basic form than that of house form developments

- iii. Rowhouse developments will be required in part to have a pitched roof expression. Areas of flat roof, roof terrace, or low pitched roof are acceptable in the central section of a site and facing the courtyard, however, a pitched roof expression will be required along the edges of the site and along the lane to reduce apparent height and massing.
- iv. Main roof forms can be, but are not limited to, the following:
  - end-gable (gable facing the street, ridge running lengthwise on the lot) or
  - cross-gable (slope facing the street, ridge running across the lot), hipped, or
  - double or transverse-gable
- v. Secondary roof forms and dormers should be clearly subordinate to the main form in size and number. Dormers should generally be setback from the buildings edge to assist in maintaining the integrity and dominance of the main roof.
- vi. When older 'non-character' buildings are being renovated, changes to the main roof line or to the basic building form will not be expected.
- vii. The upper floor of new development should be substantially contained within a steeply pitched roof. For further information and exceptions see Section 5.1.2. On courtyard rowhouse developments, this principle will apply mainly to those portions of building adjacent to neighbouring properties and along the lane.



**b) Scale and form in relation to the streetscape**

The scale and form of new buildings is an important part of compatibility with an existing streetscape. For some forms of development, including courtyard rowhouses, the guidelines allow a smaller front yard than typically required in single family zones. This will result in some new buildings being located closer to the street than existing adjacent buildings. It is particularly important in these circumstances that the buildings be designed to reduce apparent massing as they approach the street and adjacent properties.



- i. In addition to roof design, other massing and design aspects including floor to floor heights, horizontal elements, changes in material, and the proportion and placement of openings, should seek to reduce the apparent scale of new development, and ensure that upper floor massing does not visually overwhelm the scale of lower floors.

**c) Entry transition**

Site and building design should work together to create a transition from the public space of the street to the private space of the home. New street fronting buildings should be designed with a progression of elements that emphasize the principal entrance.

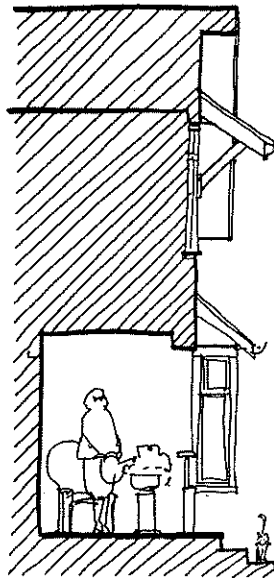


- i. An entry transition should be made through elements such as:
  - a defined garden edge with landscaping and/or fencing

- an entry gate or other entry marker such as an arbor or feature landscape marking the transition from the street to the semi-private space of the front garden
- steps or a change in level
- a well defined porch

**d) Building Façade Depth**

- i. Street facing and lane facing building facades should be enriched through a limited number of simple voids and projections that create visual interest and a strong play of light and shadow on the façade. These may include inset porches on main and upper floors, projecting or recessed entry porches, bay windows and box window bays, overhangs, brackets, canopies, etc.
- ii. These features should enliven the basic form, but should not overwhelm it, and in all cases a large portion of the main wall plane should be present to ensure the visual strength and unity of the whole.



**e) Scale and form in relation to rear yards and the lane.**

The zoning allows for several different options for courtyard rowhouse, small house, duplex, and infill building forms at the rear of the site, next to neighbouring yards and to the lane. The increased sideyard requirement that applies to a portion of the traditional rear yard area is intended to assist in accomplishing neighbourly relationships to rear yards. In addition:



- i. Buildings in the rear section of the site should be designed to reduce apparent massing adjacent to the lane and neighbouring properties.



- ii. On courtyard rowhouse developments, the partial third level adjacent to the lane and to neighbouring properties must be contained within a pitched roof, with the eaveline springing from the third floor level or below. Consideration may be given to stepping back at the third level along the lane to accomplish a reduced massing along this exposure. Where a courtyard rowhouse nears the rear yard of adjacent property the massing should be further reduced by increased setbacks, and/or bringing roof lines down to between the first and second level.
- iii. Infill buildings and single unit principal buildings at the rear of the site should generally not exceed 25' in height, and should have the massing of a one and a 'half' storey structure, with or without a 'basement'.
- iv. The lane will become a focus of development, and in effect, an exposure that is as important the streetscape. The lanescape should be a visually interesting experience for passersby and a pleasant outlook for residences near the lane, while at the same time accommodating garage doors, parking spaces, and garbage and recycling areas.
- v. Insets, projections and overhangs should be used to lend interest to the lane fronting façade, and to give greater emphasis to the presence of living space over car places.

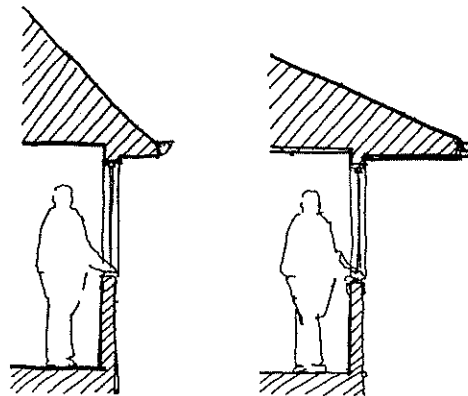


- vi. Garage doors should be high quality, preferably single width, Projections and overhangs such as arbours over the garage would add depth to the façade, create a shadow line, and potentially create places for planting to enrich the lanescape.
  - vii. Garbage areas should be designed as integral part of the building, or as well defined elements in the landscape.
- f) Consistency and Variety**
- i. A variety of architectural styles is acceptable in different buildings. However within a single building materials and elements such as windows, doors, architectural detailing and trim should be consistent with the style chosen for a new building, or the style of the existing building being renovated. While consistency is sought within the chosen style, a greater variety of expression may be considered on less visible facades.
  - ii. On sites where there is more than one building, the buildings may express different architectural styles, including in the case of infill behind an existing character building. On larger sites, it may be desirable to express a variety of architectural styles to avoid a monotonous or 'project-like' appearance.
  - iii. On courtyard rowhouse developments, side-by-side units may have an identical expression, or they may be varied. Attached sections of a courtyard rowhouse development may contrast contemporary and traditional approaches.
  - iv. In the case of an older house with little remaining 'character' as defined in Section 2.1.1/2.2.2, it may be possible to restore more traditional elements, or to redirect the architectural expression to a contemporary style. However, the architectural style chosen should be compatible with the basic massing and roof form of the existing building, unless the renovation is extensive enough that even these elements may change.
- g) Composition**
- i. Regardless of the architectural style of the building, a clear sense of order should be apparent in the alignment, proportion and placement of building elements and features.
  - ii. The incorporation of projections and recesses, the play of solid and void, and the proportion, design, and placement of windows should contribute to a balanced, while not necessarily symmetrical, visual expression. It should be recognized that buildings of contemporary expression may have a sense of order and composition that relies more on asymmetry and a dynamic relationship and juxtaposition of building elements.
  - iii. Building elements must be designed and placed in a way that considers the building as a whole, and how it is viewed from the street or lane, not just simply as an outwards expression of interior program.

- iv. Rowhouse façade composition may rely on a simple repetition of identical or near identical side-by-side units, each expressing its boundaries and presence simply and clearly on the street facing façade of the building.
- v. A sense of hierarchy should be brought to bear upon architectural elements to avoid competing focal points and rampant 'featurism' (eg., repetitive arched window forms, bay windows for every room of the house, or multiple purposeless roof forms).

### 5.1.2 Roof and Chimneys

- a) The main roof should spring from somewhere between the upper floor level and approximately 4' above it (Note: it is expected that some of the allowable floor space will be between 4' and 8' in height in all developments). Buildings with three storeys above grade or with two storeys above a high basement should have the main roof spring from the top floor level or lower.
- b) On courtyard rowhouse developments, the partial third level adjacent to a neighbouring property should generally be contained within a pitched roof, with the eaveline springing from the third floor level or below. If the ground floor of a development is raised more than a step or two above grade, the eave line should extend somewhat below the third floor level.
- c) Exceptions may be made to (a) above for two storey buildings which do not project beyond the front yard of existing adjacent houses, provided that the eaveline is not more than about 6m above grade as viewed from the street.
- d) A simple shallow pitched roof may be used, provided that it has strong and visible horizontal eavelines, and large overhangs. In general, the shallower the roof pitch, the broader the overhang should be. Roof pitches of less than 7:12 should have overhangs of 0.6m or more as viewed from the street. A simple shallow pitched roof may be used on courtyard rowhouse developments provided that the massing steps down to a two level height adjacent to neighbouring properties and the lane.



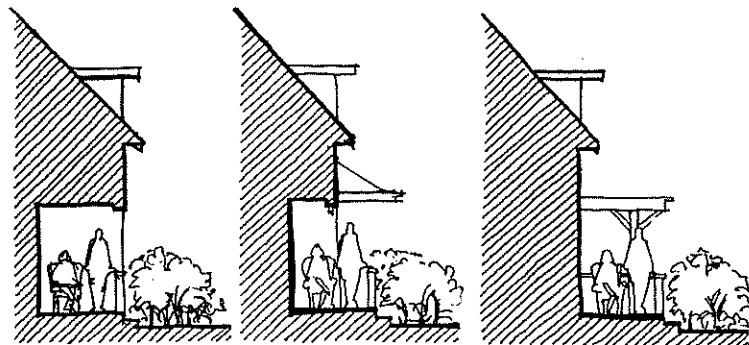
- e) On courtyard rowhouse developments, larger areas of flat roof and roof terraces may be considered in the central section of the street fronting façade and facing the courtyard
- f) Smaller secondary roof elements and dormers may vary from the pitch of the main roof and may include flat roofs and shallow pitches. A larger area of flat roof maybe considered provided it is a green roof and contributes to the sustainability of the project.

- g) If a secondary roof or gable interrupts the eave line of the main roof, it should do so to mark or cover a significant element such as an entry, a porch, or a substantial projection.
- h) Secondary roofs that project from the building façade should also clearly relate to an architectural element such as a box bay or porch. Roof 'skirting' on the building facade is discouraged.

### 5.1.3 Entrances, Stairs and Porches

#### a) Porches

- i. On rowhouse developments, entry porches can range from a small stoop area to a more traditional porch with a more generous space.
- ii. On house form developments, street fronting units should generally be designed with entry porches that are big enough to allow access to the front door and to provide a place for seating. In general, a defined porch area should be a minimum of 3.75 m<sup>2</sup> (40 sq.ft.). However flexibility will be applied in considering the design and size of porches. Units in buildings with access from within the site should also be designed with entry porches, but the size is less important.
- iii. Front entry porches should be well defined spaces. Front entry porches should be one-storey, have sufficient cover and be integrated into the overall building design. The entrance cover may be provided by recessing the porch area and front door, by adding to the main façade of the building, or a combination of both. Entrances expressed with double height columns and elements such as second storey arches and large fan lights are discouraged.



- iv. Porches on buildings with entries at or near grade will need special attention to articulation and definition to create a presence on the street.

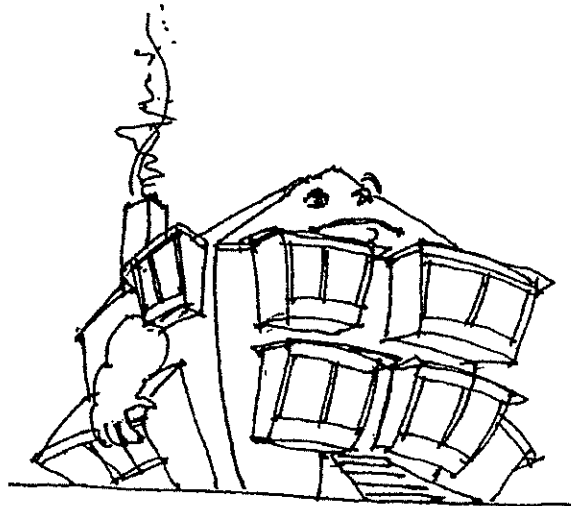
#### b) Stairs

- i. Exterior entry stairs should be generous in width and substantial in design.
- ii. Stairs to upper levels above the main floor must be accommodated within the internal space of the house or unit. Exterior stairs and landings that directly access levels above the main or ground floor are not supportable.

- iii. Steps are allowed in required side yards where they are designed to facilitate grade changes from the front to the rear of the site.
- c) **Doors and Entrances**
  - i. Rowhouses rely on a simple repetition of identical or near identical side by side units. A series of equally important doors and entries may therefore be present on the street fronting façade of a rowhouse development.
  - ii. When doors to side-by-side units are located together, the entry area should be developed and expressed as a single porch, which may have both doors visible. Side by side units may have separately expressed entries and porches when they are located at the outside edge of the building form, or where the unit width separates the entries.
  - iii. Except as described above, each building should have one clearly expressed main entrance area facing the street. Other entrances may be located on the front façade as long as clarity is maintained with respect to which is the main entrance. These entrances may include French doors and sliding glass doors.
  - iv. Where entries to units are not clearly visible from the street, the presence and location should be announced through architectural or landscape gateway elements.

#### 5.1.4 Windows and Skylights

- a) Projecting bay windows should be limited in number - generally only one per façade, or one per unit. They should be treated as a focal element on the building facade, not a means to excessively expand indoor space at the expense of the streetscape.



- b) Window placement and design should be well-ordered, and competing 'feature' windows should be avoided.
- c) Window openings should have depth, with substantial frames and mullions.

- d) Windows on upper levels should generally tuck closely under the eaves to help emphasize the roof.
- e) Skylights may be used to access light on upper levels as long as a strong and simple roof line is maintained.
- f) Proportion
  - I. Traditional style new buildings may use larger openings than existing character houses, but should maintain their feeling of solidness, proportion, and geometric order.
  - II. Contemporary style new buildings may use larger areas of glazing with different proportions than character houses
- g) Articulation
  - I. Except where brick or stone is the main surface material, windows on traditional style buildings should be installed with surrounding trim to emphasize their presence.
  - II. Window openings should generally have depth, with substantial frames and mullions, except that contemporary designs may consider alternative approaches such as windows that are flush with the main wall surface, and expressed as an integral part of surface articulation elements or banding.
  - III. Where a more contemporary window expression doesn't utilize trim, windows, doors and other openings should be articulated and emphasized through other means: a deep reveal to the window face, a broad overhang or canopy accenting the window, or strong and repetitive horizontal articulation of window divisions.

#### **5.1.5 Balconies and Decks**

- a) Balconies and decks should be designed as integral parts of the building massing and façade composition.
- b) Projecting balconies and decks including over projecting porches should generally not be located on the front façade. Small balconies projecting up to 0.6m may be acceptable.
- c) On rowhouse buildings, street fronting decks above the second level may be appropriate where they enable the third floor to be set back from the street.
- d) Balconies and decks may be located at the rear or facing a courtyard, subject to guidelines regarding privacy.

#### **5.1.6 Exterior Walls and Finishing**

##### **a) Quality and Durability of Materials**

Materials should be used in a rational and robust way. They should be designed and detailed to express quality and ensure durability. A list of materials can be found under Additional Guidelines for Traditional Style Buildings and Additional Guidelines for Contemporary Style Buildings.

- i. Materials used should be appropriate to the scale and design of building elements. For example, large and heavy roof tiles should not be used on a roof with angles and elements that are too complicated and small in scale for the large size of the tiles.
- ii. Materials should be used in a way that is true to their nature. For example, stone facing should be used as a foundation element, and as the base of columns, but should not be used as a facing on upper levels with no clear means of support below.
- iii. Exterior wall cladding materials should be limited in number, and changes in cladding should relate to the building design, such as to express the base or foundation of the building.
- iv. In general, the same materials should be used in consistent proportions on all facades and not just on the street face. Materials should carry around corners and terminate at logical points to avoid appearing as a thin veneer or 'false front'.
- v. All sides of a building that extend forward of an adjacent building must be designed and detailed in a manner appropriate to a visible location.
- vi. Large blank walls, including interior sidewalls, should be avoided whenever possible. Window openings, detailing, materials, colour, wall articulation and landscaping should be used to enliven them and reduce their scale.

#### **5.1.7 Additional Guidelines for Traditional Style Buildings**

The following additional guidelines apply to traditional style buildings. For additional guidelines specific to contemporary buildings see Section 5.1.8.

##### **(a) Materials:**

- i. Acceptable wall materials are wood siding, wood shingles, stucco, true dimension brick (solid colour), unpolished true-cut stone. Wood should be narrow horizontal wood clapboard, wood shingle, or board and batten. Stucco should be pebble-dashed or untrowelled cement dashed.
- ii. The material finish or colour may be varied on the basement level, or first floor level if there is no basement, following the traditional pattern;
- iii. Foundations, basement walls, and/or porch column bases may be of (or faced in) brick, or stone. Brick and stone should be designed to turn and complete building corners.
- iv. Roofs should be either wood shingle or asphalt shingle, slate, or low profile concrete tile
- v. "Imitative" materials such as vinyl siding are generally not acceptable, although some materials that have advanced to a point where they convincingly replicate original materials may be acceptable and will be evaluated at time of application (some types of cementitious board, and cultured stone may be appropriate).

- vi. High quality vinyl windows are acceptable provided they match the proportions and balanced openings of traditional wood frame windows. Thin-framed aluminum windows are not acceptable.

(b) Detailing:

New traditional style development should incorporate contrasting details of a substantial scale and depth, to enliven the facades.

Minimum detailing:

- bargeboards and fascias
- window frames and trim
- porch beams, columns, and balustrades; and
- sloped soffits under overhangs (rather than flat soffits)

Optional Detailing:

- window mullions (real) Use of 'stick-on' muntins, or leading is not acceptable
- roof brackets or extended joist ends;
- string courses at top of basement, as an extension of porch beam line, and (more rarely) at second floor and attic floor levels;
- contrasting corner trim on wood clad buildings;
- decorative patterned shingling in limited amounts
- small areas of 'plaster and beam'

(c) Where a material or detail is proposed that is not covered by (a) or (b), its acceptability will be evaluated on a case by case basis. Consideration will be given to materials and detailing that vary from the above when it can be demonstrated that they are consistent with the traditional style of architecture chosen.

### 5.1.8 Additional Guidelines for Contemporary Style Buildings

The following additional guidelines apply to contemporary style buildings. For additional guidelines specific to traditional style buildings see Section 5.1.7.

(a) Materials:

- i. Acceptable materials are wood siding or wood shingle, stucco (except for heavily textured trowelled finishes), ceramic or metal panels and seamed siding, corrugated metal siding, architecturally finished concrete, concrete block, true dimension brick (solid colour), unpolished true-cut stone.
- ii. Changes in cladding should relate to the building design, such as to express the base or foundation of the building, or to emphasize the main level and minimize the scale of the upper level.
- iii. Roofs can be wood shingle, asphalt shingle, slate, cement tile, clay tile, or metal
- iv. Brick and stone should be designed to turn and complete building corners.
- v. Materials used in detailing may be either metal and glass, or wood.
- vi. High quality vinyl windows are acceptable provided they meet the guidelines regarding design and divisioning. Thin-framed aluminum windows are not acceptable.

(b) Detailing:

New contemporary style development should incorporate contrasting details of a substantial scale and depth, to enliven the facades.

Minimum detailing

- strong divisioning of window areas and/or deeply recessed window surfaces, and/or window frames and trim
- strong horizontal expression of either main eave line, or other projecting element(s) on the main building façade
- articulation of support structure and detailing around entry porch - for example, metal hangers, brackets or struts, metal and glass railings, cantilevered roofing systems
- high quality soffit material and detailing

Optional Detailing:

- canopies, metal and glass, wood, or canvas
- window mullions (real). Use of 'stick-on' muntins, or leading is not acceptable
- roof brackets or extended joist ends;
- major chimney expressions as an anchoring element

(c) Where a material or detail is proposed that is not covered by (a) or (b), its acceptability will be evaluated on a case by case basis.



## **5.2 Renovation and Addition to retained 'Character' Buildings**

Retention of an existing 'character' building is at the option of the proponent, but it is encouraged by some additional floorspace and the potential to build an infill building.

The intent of the following guidelines is to ensure that changes to an existing 'character' building maintain its original form and character, and that additions are compatible. To determine whether an existing building is considered a 'character' building refer to Sections 2.1.2 and 2.2.2.

Heritage restoration or rehabilitation to more stringent standards is a voluntary option for any older building, but is not required under these guidelines.

### **5.2.1 Principles:**

#### **a) Retention of Original Character**

Where a renovation is occurring to a 'character' building as defined in these guidelines, the new architectural components should maintain the original character of the building. Renovation to current standards may require the replacement of a good deal of material. The amount of original exterior building fabric that is to be replaced is not limited as long as it is replaced in a manner closely similar to the original, as set out in the following guidelines. Provision of drawings documenting the extent of material to be replaced may be required at time of application.

#### **b) Infill Character**

Where an infill building is being added behind a retained 'character' house, it may be designed either to reflect the traditional character and style of the main house, or to express itself clearly as a later outbuilding by choosing a contemporary architectural style. Infill buildings should follow the guidelines in Section 5.1.

#### **c) Additions**

In general, additions will not be permitted on the front of character buildings, as this would significantly alter the character of the building as viewed from the street. Additions to existing character buildings should always appear secondary in visual prominence to the main house as seen from the street.

### **5.2.2 Roofs and Chimneys**

- a) The original roof forms should be maintained.
- b) Consideration will be given to changing the main roof form to reflect those of other neighbourhood 'character' buildings, in those cases where the ceiling height under the main ridge line is not sufficient to enable a reasonable configuration of inhabited space according to the city's by-laws.
- c) Where dormers are being added or extended, they should remain subordinate to, and not detract from the integrity of the main roof.
- d) Roofs on additions should be compatible with the existing buildings' roof form, or similar ones of the period.
- e) Secondary roof elements may vary from the pitch of the main roof and may include flat roofs and shallow pitches.

- f) If roofing material is to be replaced, either wood shingle or asphalt shingle should be used. Other materials may be considered where it can be shown they were characteristic of the original house style. If roofing is to be repaired, material should match existing.
- g) Original chimneys should be retained and repaired where possible. While matching new chimneys to existing ones is desirable, boxed-in chimneys clad with a material that matches the building wall is also acceptable.

### 5.2.3 Windows and Skylights

- a) Original window openings on the front façade of existing buildings should be maintained. If it is not practical to keep original frames and exterior wood trim, new windows should match the original design as closely as possible. Window replacements from previous renovations that are not in character with the original building should be returned to a design in keeping with the original building. It is desirable to maintain existing window pane shapes and mullions as well, however, if reproduction is too costly, plain glass can be used. Use of 'stick-on' mullions or leading is not acceptable.
- b) On facades not visible from the street, more substantial alterations to existing window shape and size may be considered. Materials and detailing of frames should be compatible with the existing style.
- c) When an addition will be seen from the street, the addition's windows should follow the same general practices as in the original building regarding shape, placement, materials and trim.
- d) Skylights should be modest in size.

### 5.2.4 Entrances Stairs and Porches

- a) Entrances and Stairs
  - i. Original front entrance frames, trim, and stairs should be maintained where these exist. If replacement is necessary, the design should match the original design and material as closely as possible
  - ii. Maintaining the original front door and any sidelights is desirable. Where doors must be replaced, or where earlier renovations resulted in inappropriate doors, doors of similar quality to the original should be used.
  - iii. When an original door and sidelights have been compromised, and an additional entrance is needed to a unit on the same level as the main entrance, a number of solutions are acceptable:
    - Placing the door inside the original entry in a lobby arrangement;
    - Placing two doors side-by-side.
    - Placing one entry at the side of the building.
  - iv. When an additional entrance is desired to a basement unit, or to other living space on the basement level, it may be located on the front façade, but it should not detract from the visual dominance of the original entry.

#### b) Porches

The District Schedule provides a floor space exclusion for porches, to both encourage new porches, and facilitate the opening up of old ones which may have been filled in for extra living space.

- (i) Original porches on existing buildings should be kept and restored

- (ii) If possible, porch infill should be removed. If the enclosed space must remain for livability, the detailing of the enclosure should be made consistent with the original style of the building

#### 5.2.5 Balconies and Decks

- a) Projecting balconies and decks should not be located on the front façade of older houses. Decks located on, or partially within a roof may be acceptable on the front of the building provided they appear integrated and are modeled on traditional examples
- b) Projecting balconies or decks may be located at the rear, subject to guidelines regarding privacy and setbacks.

#### 5.2.6 Exterior Walls and Finishing

- a) Materials:
  - i. Original materials should be retained and repaired where practical. If replacement is necessary, the same material should be used, although it may be manufactured in a different way. (For example, narrow wood clapboard is available in sheets). For further direction regarding alternatives, see (iv) below.
  - ii. Materials on additions should match those of the existing building
  - iii. The same materials should be used consistently on all facades, including the interior of inset porches. The use of a material only as a 'paste-on' on one or two facades is not acceptable.
  - iv. "Imitative" materials such as vinyl siding are generally not acceptable, although some materials that have advanced to a point where they convincingly replicate original materials may be acceptable and will be evaluated at time of application (some types of cementitious board will be appropriate).
- b) Detailing:
  - i. Existing detailing on buildings should be kept and restored. If it has been removed, it should be replaced in the original style and material;
  - ii. Uncharacteristic detailing (gingerbread to 'Victorianize' buildings) should not be added; and
  - iii. Detailing on additions should be compatible with that on the original building, but the degree of detailing may vary considerably, depending on the overall design intent of the addition and its visibility from the streets.
- c) Where a material is proposed that is not covered by (a) or (b), its acceptability will be evaluated on a case by case basis.

## **7 Open Space**

Open space on private sites in single family areas has traditionally been of two kinds. The semi-private space of the front yard provided a green streetscape - a public face for the visual enjoyment of both the residents and neighbours. The backyard was normally private open space for active use, while also mainly 'green' in appearance.

The front yard will play an expanded role as it will become the primary outdoor space of some dwellings, as such it must often accommodate the useable patio of a unit, as well as be the public face on the streetscape.

The flexible siting options for different housing types will result in a different patterning of rear yard space, with portions of the traditional rear yard being occupied by courtyard rowhouses or infill buildings. In some cases some open space will be brought into the centre of the space as a garden courtyard. In all cases, however, some portion of rear yard open space will be located adjacent to neighbouring rear yards.

### **a) Private open space**

Ground-orientation is an important aspect of the variety of housing types allowed under this zoning.

- i. A minimum area of 10m<sup>2</sup> with a minimum dimension of 2.4m of ground level (or near ground level) private outdoor space should be provided immediately adjacent to and accessible from each unit.
- ii. Balconies, decks and porches may augment, or substitute where semi-private open space is provided on site.
- iii. Small units (approx. 65m<sup>2</sup> sq.ft. or less) need not be provided with private open space if access is available to a shared open space.

### **b) Semi-private or shared open space**

Some siting options will create shared semi-private space, or garden/entry courtyards in the centre of the site.

- i. On courtyard rowhouses, where the shared open space is a major element of the design, minimum widths for semi-private courtyard space have been set (see section 4.17).
- ii. Semi-private open space should be designed:
  - as a focus of development and an organizing element, not as 'leftover' space
  - as a primary outlook and entrance for units in the middle and rear sections of a site
  - to provide sufficient distance, screening, landscape, and outlook considerations for the mutual comfort of dwellings overlooking the space.

## 8 Landscaping

The variety of housing types allowed may result in some increased coverage of the ground plane by building. It is therefore very important to ensure that outdoor space and landscaping is well designed to enhance the street and lanescape, and the enjoyment of private outdoor space. Larger scale planting with a vertical element enhances the definition and screening of private outdoor space, as well as contributing to improving the local micro-climate and reducing the rate and amount of stormwater released to the system.

- a) Landscaping should be varied in type and scale, with areas of shrubs, larger perennials, and trees, not just grassed areas.
- b) Existing trees and landscape features (such as stone walls) should be kept wherever possible
- c) At least part of the front yard should be grassed and/or planted as a visual amenity for the street. Patio areas in the front yard should be screened with planting. The presence of units at the rear of the site should be announced with entry gates, addressing, and other entry markers such as arbors or feature landscape.
- d) The front and back boulevard should be landscaped as green space. At a minimum, they should be retained as grassed areas, but more intense planting is encouraged on most development, and particularly on any courtyard rowhouse development. The space between the sidewalk and the front property line should receive similar treatment.
- e) In general, the by-law fencing height limit of 1.2m in front yards, and 1.8 in rear and side yards should be respected. However, exceptions may be made for entry arbours, and trellises or screening elements immediately adjacent to patio or deck areas. Overheight elements in the front yard should assist with the definition of outdoor space but should not prevent all views or glimpses of the outdoor space from the street. Any overheight element should be largely transparent and limited in extent.
- f) Where walls or fences are provided, they should be combined with soft landscape to provide visual depth, screening and layering.
- g) Landscaping in semi-private common spaces in courtyard rowhouse and infill developments should be designed to provide screening and filtering of views. Planting larger caliper trees is particularly necessary in these locations.
- h) Where courtyard rowhouses, single unit principal buildings, or infill buildings are located at the lane, every opportunity to enhance the lanescape with landscaping should be taken. This includes:
  - Entry gates and arbors over pedestrian entrances
  - Arbors over driveway entrances
  - Planted areas or planter boxes between garage doors

- Trellised areas along the lane façade, between and above garage entries, to enable 'vertical greening' with vines.
  - Planters overhanging the lane on balconies and outside the windows of dwellings on upper levels.
  - Planting of trees near the lane where possible
- i) Landscape treatment of driveways, outdoor parking spaces, and maneuvering areas is critical. As much soft landscaping as possible should be provided to soften the appearance of the paved area. Special decorative paving (interlocking pavers, brick, exposed aggregate etc.) and permeable paving should be used in maneuvering areas. Driveways should be paved wheel strips with planting in the mid section. Uncovered parking spaces should be well designed spaces with landscaped edges, decorative paving, permeable paving, or gravel surfaces. Where a driveway is located adjacent to a neighbouring property there should be a well landscaped setback of about 1m. Landscaping along this edge should include fencing, hedging, and closely spaced tree planting.

Where a semi-private common space is also utilized for vehicle access and maneuvering, it should be designed to function first as a space for pedestrians, and an outlook for dwellings. It should be treated as an entry court that happens to allow cars, and should be primarily paved with high quality, permeable or porous paving material. It will be of particular importance to design the courtyard and access in a way maximizes opportunities to introduce soft landscaping and vertical greening elements, and that will allow larger caliper trees to be planted and to thrive in the area. Materials and detailing adjacent to areas accessible to cars should be designed with resilience and durability to stand up well over time. It should be anticipated that trees in close proximity to maneuvering areas may need tree guards, and the design of these should be an integral part of the landscape and building design.

**Section 9**  
**Additional Guidelines for Arterial Locations**

**9.1 Noise**

The RM-1N District Schedule which applies along noisy arterials, contains acoustic standards and requires an acoustical report. Noise impacts to habitable areas in new development should be minimized through measures which may include:

- a) Building construction (eg. masonry construction, triple glazing)
- b) Site planning and unit design (in particular, locating living rooms and bedrooms away from the noise source where possible).

## Section 10 Additional Guidelines for Apartment Buildings

Three storey apartment buildings are allowed in designated areas to provide opportunities for single level units for seniors and disabled persons.

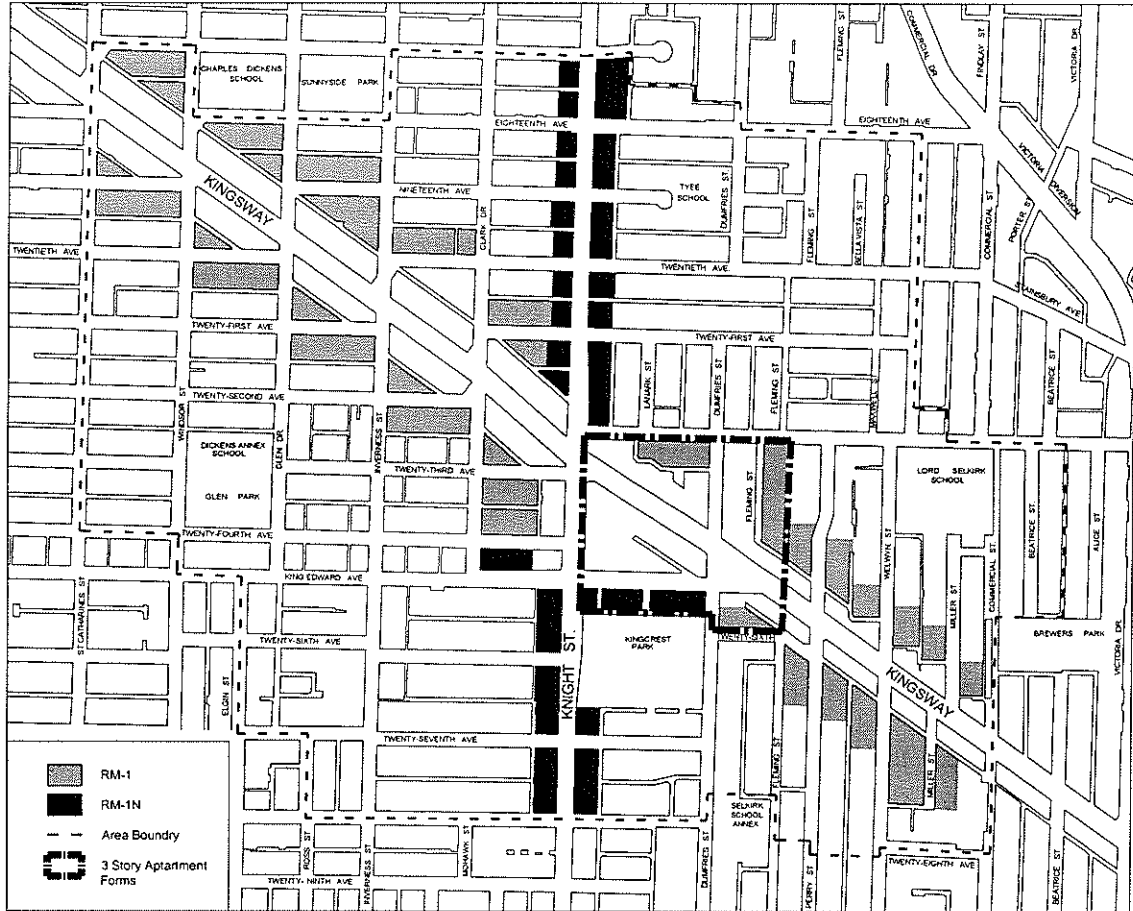
Most of the preceding guideline content that applies to courtyard rowhouses will also apply to apartment buildings. In particular it should be noted that guidelines affecting massing and neighbourly adjacencies will mean that the third floor will be a partial floor, and may in part be contained within a roof form.

The following additional guidelines also apply:

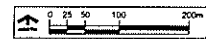
- a) Provide individual access from grade for as many units as possible
- b) Provide grade level units with a presence on the street including separate entry gates and front gardens, porch areas or door stoops.
- c) Break the massing into smaller vertical components to express the rhythm of a series of house forms, or the individual and repeated expression of rowhouses.
- d) On larger developments, consideration should be given to creating separate buildings or recessing the main entry in a courtyard area to avoid overly long facades on the streetscape.
- e) Provide private unit open space in the form of patios, gardens, balconies, and/or decks.



The map below indicates where 3 storey apartment building forms may be considered, as described in Section 2.1.1/2.2.1 (b) of these Guidelines.



**Kingsway and Knight Street Housing Area**



## Appendix B

### Pre-1940's Character Buildings

The principal elements which are generally common to the traditional pre-1940's houses are the following:

a) Simple mass with a dominant main pitched roof

Pre-1940's houses were simple with a basement projecting 1.2 to 1.8 metres above ground, a main floor, and optional full or partial second floor. On this basic box structure was a simple pitched primary main roof over the first storey eave. Roofs were most commonly end-gable (gable facing the street, ridge running lengthwise on the lot) or cross-gable (slope facing the street, ridge running across the lot). Roof pitch was usually substantial although bungalow styles feature low pitched gables roofs with broad overhangs. Other roof forms such as hip, gambrel or mansard were less common. Some houses also featured secondary roof elements over porches and verandas and projecting rooms.

b) Emphasis on front entries and porches

Covered porches on the main (entry) level were a universal feature, and were of several types.

- projecting from the facade under a separate roof structure, but with a solid base;
- projecting, but under an extension of the main roof; and
- inset from the facade

The front entrances were on the main level, about 1.2 metres (4 ft.) to 1.8 m (6 ft.) above grade. Upper level porches were also common on some styles. They were inset into the second storey wall, or partially inset into the wall and the porch roof below.

All porches has substantial depth, single storey height, robust wood supporting beams and columns, and robust picket type wood railing, or solid balustrade formed by an extension of the wall below. Any columns or posts were limited to the first storey. They were single storey front entry covered porches, or recessed balconies.

c) Windows and Doors

Pre-1940's buildings were characterized by limited amounts of window area (relative to the wall) and simple rectangular shapes. Windows tended to be symmetrical often rectangular window openings with trim. Decorative window shapes were relatively rare. Doors were generally single, not double, but were usually panelled, some with windows.

d) Materials and Detailing

Wood was the most prevalent wall material. This was usually in the form of horizontal 3 to 4 inch clapboard, board and batten or shingles. Stucco was used on some "English Builder" and "Germanic cottage" style houses. Stucco was

stone-dash, pebble-dash or medium textured stucco. Brick was used much more rarely.

Though not an exhaustive list, decorative detailing tended to be the expression of the wood trim such as around doors and windows, heavy beam and columns in porch structures, window casing frames and mullions, bargeboards and eaves brackets and braces, fascias, or exposed ends of "roof joists" under the roof overhangs. Detailing in wall materials included decorative shingling (fish-scale, scalloped, staggered or diamond-shaped), usually small amounts in the upper parts of gables and half timbering.

### **Popular "Pre-1940's" Architectural Styles**

The following architectural styles are representative of the less complex pre-1940's buildings prevalent in many of Vancouver's neighbourhoods.

#### **Bungalow or Craftsman**

The Bungalow and its variants dominated Vancouver domestic building in the years after 1910, supplanting the Classic Frame as the most popular house type. The features common to the many variations of Bungalows are low-pitched gabled roofs with broad eaves or overhangs, and the profuse use of wood detail (exposed rafters and beams, eaves brackets and braces, and textured wood clapboard or shingles). The most prevalent Bungalow type in Vancouver is an expansive house 1 or 1 ½ storeys high with the gable facing the street and often having a smaller, secondary gable over the projecting entrance porch. Entry stairs were solid substantial staircases, not flimsy open stairs. The porch columns/supports are usually short with sloping sides and their bases may be made of rough "clinker" bricks. The principal window beneath the main gable is often composed of three sashes.

#### **Bungaloid**

The term Bungaloid describes buildings in which features characteristic of Bungalows are seen in houses too large or different in form from that style. The most common Bungaloid type in Vancouver is a 2 ½ storey house with a front-facing gable, too tall to be a Bungalow, but sharing its profuse use of brackets, beam ends, stubby porch columns and other decorative wood features. Another version has side-facing gables, with dormers or other vertical features piercing the eaves.

#### **Classic Box**

The Classic Box is a foursquare 2 or 2 ½ storey house with a hipped roof, often one of low pitch. The second storey is a full floor high, and if there is an attic floor, the roof has a dormer. Earlier versions are undecorated, like the Pioneer house. Later examples (after 1900) may have the ornamentation associated with the Decorated Pioneer, including bay windows and decorative window openings. Classical detail may also be found. Porches are common, and the bay windows may interrupt the simple lines of the hipped roof. The front door is usually on one side of the façade.

#### **Classic Frame**

This is the most common Vancouver dwelling house for the middle class in the early 1900's. It is a timber-frame building between 1 ½ and 2 ½ storeys high, with the gable end of the roof presented to the street. Façade features usually include a porch

and one or more bay windows. The door is located to one side. Ornamental variety in the wood and shingle siding is common. The house is similar to the Pioneer and Decorated Pioneer, but it has broader proportions and more interior space. A number of Classic Frames often appear side by side along the street, usually with minor variants in window shape, porches and decorative detailing.

### **Edwardian Builder**

This style was popular between 1900-1910, and used a variety of building forms. It's characterized by a steep roof and large porch, narrow bevelled wood siding or cedar shingle cladding, plain classical-inspired details such as small eaves brackets or dentils mouldings, porch column capitals, pediment roof forms, multi-paned or diamond-patterned windows; and stone/brick or porch supports or foundations not commonly used.

### **Pioneer**

These are modest houses usually 1 ½ (but sometimes 2 or 2 ½) storeys high with a front gabled roof facing the street containing the entrance door and perhaps a simple porch or veranda. Windows are usually plain, but a bay window may be situated beside the door or on the second floor. Proportions are tall and narrow. The houses are shiplap or narrow clapboard siding, the latter becoming prevalent around 1900. Corner boards and window trim are usually plain 25 mm x 150 mm (1 x 6 inch) boards, and windows are double-hung with two or four panes in each sash. A shed-roof kitchen is common at the rear. Basements are rare.

### **Decorated Pioneer**

Similar to Pioneer houses, but are more elaborate because of the addition of wood ornamentation at the gable ends, on porches, and for door and window detail. The fretwork - often called "gingerbread" - was created with the fret saw or the jig saw. Porch posts were turned with the lathe and chamfered. These dwellings often use contrasting patterns of wood siding and shingles, and scalloped and lozenge-shaped shingles appear frequently.

### **English Builder**

The English Builder style began to be built in the late 20's. It was an economical version of the more elaborate English Arts and Crafts or Tudor revival styles popular for estates. Characteristics are steep cross-gable main roof, with one or more large, steep, front-facing gables, usually asymmetrical placed; very small front porch; stucco cladding; and limited detailing (plain fascia and window frames, leaded windows; sometimes small pointed arches above windows, doors etc).

### **Pioneer Cottage**

The Pioneer Cottage is a small dwelling, usually one storey high on a raised roof, and sometimes having a dormer window illuminating a bedroom in the attic space. They were frequently built in groups, and intact clusters have a row of them closely sited along the street. More elaborate versions may have a porch with classical columns and eaves brackets, but simpler ones have little ornament.

### **Germanic Cottage (also called Eastern Cottage)**

This style began to be used in the late 20's. Characteristics include small, 1 ½ storey form, with shallow-pitched end-gable roof, usually chamfered, stucco cladding, very

small front porch, and detailing was limited: plain fascias and window frames, small window panes.

Figures \_\_\_\_ Photos of Character Buildings

Pre-1940's Character Houses: 1 to 1 ½ Storey Bungalow, Cottage and Pioneer Styles and their variants



Pre-1940's Character Houses: 1 to 2 storey Classic frame houses and variations

