

### INFORMATION GUIDE BUILDING DIVISION

inspections@langleycity.ca 604-514-2804

## ADDITION OR ALTERATION TO A SINGLE- FAMILY DWELLING

This guide has been prepared to provide information only and is neither a bylaw nor legal document. Should there be any discrepancy between this guide and the relevant City Bylaws and/or applicable Codes, the text of the Bylaws and Codes shall be the legal authority.

### BACKGROUND:

The purpose of this guide is to assist the homeowner / builder or contractor with the Building Permit Application process for the construction of an addition or the alteration to an existing single-family dwelling. This guide will provide the public with information on the City of Langley's requirements for permits and inspections.

### **BUILDING PERMIT APPLICATION SUBMISSION**

#### Building permits are required when you wish to:

- Repair, renovate or add to an existing building;
- ~ Remove, relocate, alter or construct interior walls;
- Complete a previously unfinished area in an existing dwelling;
- ~ Construction or removal of a secondary suite;
- Construct, cover or enclose a porch or sundeck;
- ~ Convert an existing carport to a garage or living space;
- ~ Demolish a building;
- ~ Construct chimneys or install a wood stove or insert;
- ~ Construct retaining walls over 1m in height;
- ~ Install new plumbing fixtures;
- ~ Installation of a backflow prevention device;
- ~ Construction of a swimming pool.

# Building permits are NOT required for non-structural, minor modifications such as:

- ~ Replacing cupboards;
- ~ Painting;
- Roofing repairs or re-roofing (however, a third-party inspection by a recognized independent roofing inspection company is recommended);
- ~ Exterior finish repair or replacement;
- ~ Window replacement;
- ~ Landscaping, sidewalks,

### Important Notice:

No deposit of fill, excavation, erection, alteration, enlargement, repair, removal or demolition of any building or structure or part thereof, shall be commenced or undertaken without a Permit being first obtained from the Building Division of the City of Langley. \*\* Where an existing dwelling is over 30 years of age or the construction value of the renovation is greater than \$100,000.00; the Engineering Department will determine whether the existing utilities need to be up graded. The applicant is to request an estimate from the Engineering Dept. \*\*

### **Application for a Building Permit:**

The applicant must provide the following Information:

- ~ A completed building permit application form;
- ~ A completed Owner's acknowledgment (Form 1);
- A title search, (no older than 48 hours prior to the permit application);
- Agent's Authorization Form, (when a building contractor is involved in the project);
- Letter of Assurance Schedule B (when a Professional Engineer is involved with the project);
- Professional Proof of Insurance (Form 2) and copy of insurance (provided by the Professional Engineer involved with the project);
- $\sim$  2 sets of site and building plans drawn to scale.

### **Required Drawings:**

The minimum size paper accepted is 11"x17" for minor work or changes. *(Lined or graph-paper will not be accepted, nor will plans drawn in pencil.)* 

All plans and information submitted must be of an appropriate scale, with sufficient detail to establish compliance with the BC Building Code and City of Langley Bylaws. The plans are to be legible and of suitable quality for digitization. If you are unable to draw appropriate plans, then you must obtain the services of a qualified person. (Designer or Architect)

Single line drawings are acceptable for site plans only.

Drawings may be submitted in metric or imperial scale. Below are the minimum scales:

Site plan:	1:100	or	1/8" = 1'.0"
Foundation and floor plans	1:50	or	1/4" = 1'.0"
Cross sections	1:50	or	1/4" = 1'.0"
Elevations	1:50	or	1/4" = 1'.0"
Construction details	1:20	or	1/2" = 1'.0"

#### Site Plan:

The first page of the building plans is called the "site plan." A site plan is not a survey of the property; however, a survey could be used to create a site plan. (*A survey may* be required later at the forms inspection.)

The site plan is to include the following information:

- Lot shape and size, with the distances (setbacks) from the building to the property lines;
- ~ A north arrow;
- ~ Any easements, rights-of-way or water courses;
- ~ Driveway location, (existing and/or proposed);
- Over-all building dimensions of both the existing dwelling and the addition and any / all accessory buildings;
- The areas of the existing dwelling and addition and the total proposed site coverage of the property;
- ~ Show decks, projections and/or cantilevers;
- ~ Perimeter drainage sump location;
- Finished grade and top of foundation elevations at each corner of the building and finished grades along the side property lines; (if impacted by proposed work)

### Foundation and Floor Plans:

- <u>If</u> a Professional Engineer is involved with the project, these plans are to sealed;
- Show the foundation, with dimensions of the existing dwelling and the proposed addition. Provide the foundation wall thickness, size of footings, including pad footings for columns;
- Show all partition and bearing walls. Label finished and unfinished areas;
- Label room uses and their sizes, as well as adjacent rooms to the addition/alteration;
- Show all windows and doors, their sizes and the direction of the door swing/window opening;
- Stairs, showing direction of travel, stair dimensions, landings and required handrails/guardrails;
- All plumbing fixtures, hot water tank, appliances, fireplaces and the heating system;
- Provide the layout (direction) of all floor, ceiling, and roof systems. Include the spacing and sizing of the framing members. Provide the size of all beams and lintels;
- Provide a roof truss and / or floor truss layout (complete with point loads) signed and sealed by the structural engineer.

### Typical Cross Sections and Construction Details:

- ~ All construction materials;
- Floor to ceiling height of all rooms, including crawl or roof spaces;
- ~ Floor, ceiling, roof, and wall assemblies;
- ~ Footings and foundation walls;
- ~ Building envelope details for the exterior cladding;
- ~ Finished grades and top of foundation.

### <u>Elevation Plan</u>: (the view of the four building faces)

- ~ Exterior finish;
- Window and door sizes. (If windows or doors are being added on any exterior wall facing an adjacent property line, the entire building elevation of that wall face is to be shown. The addition of openings is limited to the percentage permitted in the current edition of the BC Building Code);
- Finished grades and top of foundation elevations shown at each corner of the building;
- ~ Roof slope.

### **INSPECTIONS:**

- Inspections must be requested by the owner of the property or their authorized agent;
- All work for the inspection being requested must be completed and ready;
- Work may only proceed as each stage has received an "accepted" inspection;
- The street address and permit card must be posted in a visible location on the site;
- ~ The approved permit drawings are to be available on site for all inspections.

### Required Inspections:

The inspections to be requested will depend on the scope of work taking place.

- Forms Inspection: on completion of the concrete form work, prior to placing concrete for footings or foundations. (The Survey and engineer's inspection report (if applicable) are to be submitted to the Building Department prior to requesting the inspection.);
- 2) **Service Connection:** when all piping for the water service, storm and sanitary sewer are in place, but prior to covering the pipes.
- 3) **Prior to Backfill:** when the drain tile is in place and covered with the min. 6" of drain rock and filter cloth. The foundation damp-proofing will be inspected at the same time.
- Rough Plumbing: when all drains, waste pipes, vents and water piping have been completed and with the appropriate test applied.
   <u>Note:</u> Any plumbing to be covered by concrete must first be inspected and accepted;

- 5) **Floor Slab Inspection:** if radiant heating is being used in the floor slab, an inspection of the insulation and poly is required prior to pouring the concrete. A compaction certificate is required from a professional engineer for the sub-slab fill material.
- 6) **Frame Inspection:** when all framework, sheathing, duct work, electrical wiring and plumbing rough-ins have been completed. The application of exterior cladding or the installation of thermal insulation may proceed after this inspection has been passed. (*If a Professional Engineer is involved with the project, the field report from the professional engineer is to have been submitted to the Building Department prior to requesting the inspection.)*
- 7) Insulation and Vapour Barrier Inspection: when the thermal insulation and vapour barrier are completed and prior to drywall being applied. <u>Note:</u> The building paper or house wrap must be applied to the exterior sheathing prior to the insulation being installed to protect it from weather damage.
- Final Building Inspection: when all construction is completed and before occupancy. "All construction" includes, but is not limited to, final lot grading, exterior stairs, guardrails, caulking. (And if applicable, Engineering Department approval,)

No person may occupy or permit occupancy of any Building or Structure until a Final Inspection has been undertaken by the Building Inspector and occupancy has been authorized in writing.

### **TECHNICAL INFORMATION:**

- The owner of the property, (whether or not there is a designer or contractor involved in the project) is responsible to review all applicable City of Langley Bylaws and Engineering Department requirements.
- Although seismic design may be taken from Part 9 of the BC Building Code, if the designer has no expertise in this area, the drawings are required to be reviewed and sealed by a Professional Engineer. (The addition of a storey to a dwelling will automatically require the involvement of a Professional Engineer).
- Be advised: the BC Building and Plumbing Codes experience revisions throughout their code cycle.
   Designers are to be aware of any updates or changes to the codes.
- Any windows serving a bedroom must conform to the emergency egress opening requirements. Minimum area of 0.35m2 (3.77sqft) with no dimension less than 380mm (15").

- Additions to existing dwellings will be required to meet the current energy and ventilation requirements of the BC Building Code.
- Sanitary or storm sewer lift pumps are not permitted in the single-family residential areas.
- Required storm drainage is to be connected to the city storm sewer system. If there is no existing connection, an engineered infiltration gallery may be permitted.
- Secondary Suites are covered under a separate information guide.
- Required electrical permits are to be obtained through Technical Safety BC. Please contact their office at: 1-866-566-7233.
   Email: contact@technicalsafetybc.ca.

### **BUILDING PERMIT FEES:**

The Building Permit fees are based on the value of construction. A non-refundable application fee will be collected at the time of application. The remainder of the total building and plumbing permit fees will be calculated after the plan review has been completed. A refundable damage deposit is required prior to the issuance of the Building Permit.

### **ADDITIONAL INFORMATION:**

All contractors / trades people undertaking work in the City of Langley are to have a valid business licence with the City.

### HOMEOWNER PROTECTION OFFICE (HPO)

When the proposed addition or alteration to an existing single-family dwelling exceeds 75% of the original building, the completed HPO documentation may be required. For complete information and documents, please contact: BC Housing, Licensing and Consumer Services at: 604-646-7050. Web site: www.bchousing.org.

A Notice of Project is required by WorkSafe BC for all new building projects and renovations having a capital expenditure of \$100,000 or greater. For additional information please go to: www.worksafebc.com/builders

### ZONING:

### Setback requirements:

RS-1

Building Type	Front	Rear	Interior	Exterior
Principal Building	7.5m	7.5m	1.5m	4.5m
	(24.61ft)	(24.61ft)	( <b>4.92ft</b> )	(14.76ft)
Accessory Buildings and	7.5m	1.5m	1.5m	4.5m
2 0				
Structures	(24.61ft)	( <b>4.92ft</b> )	( <b>4.92ft</b> )	14.76ft)

### RS-2

Building Type	Front	Rear	Interior	Exterior
Principal Building	7.5m	7.5m	3.0m	4.5m
	(24.61ft)	(24.61ft)	( <b>9.84ft</b> )	(14.76ft)
Accessory Buildings and	7.5m	1.5m	3.0m	4.5m
Structures	(24.61ft)	( <b>4.92ft</b> )	( <b>9.84ft</b> )	14.76ft)

### Lot Coverage:

The maximum permitted lot coverage for both RS-1 and RS-2 Zoned properties is thirty-three percent (33%). *Lot Coverage* means the horizontal area covered by all buildings and enclosed structures and is expressed as a percentage of the *lot* area.

### Height requirements:

### RS-1 and RS-2

Building Type	Height
Principal Building	9.0m (29.53ft)
Accessory Buildings and Structures	4.6m (15.09ft)

<u>Please note:</u> Building height: is the vertical distance, measured from the "lowest" finished grade, to the highest point on a flat roof, or the average level between the eaves and ridge of a gable, hip or gambrel roofed building or the deck line of a mansard roof. Where there is more than one type of roof, the greater of these measurements shall apply.

\*For complete zoning requirements refer to the City of Langley Zoning Bylaw.



**INFORMATION GUIDE** 

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# SOUTH LANGLEY

### INTEGRATED RAINWATER MANAGEMENT FOR UNSERVICED PROPERTIES

This guide has been prepared to provide information only and is neither a bylaw nor legal document. Should there be any discrepancy between this guide and the relevant City Bylaws and/or applicable Codes, the text of the Bylaws and Codes shall be the legal authority.

### BACKGROUND:

The purpose of this guide is to provide basic information on the requirements for integrated rainwater management in South Langley on properties <u>NOT</u> serviced by City storm sewer. For detailed design information, please see **Section 5.0, Integrated Rainwater Management in the City of Langley Design Criteria Manual** of the new Subdivision and Development Servicing Bylaw 2020 No.3126.

### Requirements:

Where a City drainage system is **NOT** available to a single-family dwelling lot in South Langley for which a building permit application for new construction, or an addition to a single family dwelling or accessory building an Integrated Rainwater Management plan will be required.

The requirement for an infiltration gallery is **<u>exempt</u>** if an additional roof area of 25m2 (269sqft.) or less is proposed for a single family dwelling or if the <u>total</u> roof area of an accessory building is less than 25m2 (269sqft.).

South Langley is located roughly south of Grade Crescent and 50 Ave between 196 Street and 210 Street. For the exact location and properties included in the South Langley area see the City of Langley Design Criteria Manual Dwg SS-SLO1

The following is a list of Integrated Rainwater Management requirements:

- Submission of a design for the Integrated Stormwater Management system by a Professional Geotechnical Engineer (to include a soils report, infiltration gallery design, downspout discharge, pervious pavement, lot grading and amended soils).
- The property must have existing soil conditions that are permeable or porous
- The infiltration gallery shall be located a minimum 5m away from the foundation of the nearest building and minimum 1m separation from the property line.
- A minimum <u>8.5m</u> front yard setback for the proposed construction will be required where the infiltration gallery is located in the front yard. The infiltration gallery will only be permitted in the rear yard when the property is on the north side of east-west streets in South Langley that are generally sloped north toward their backyard.
- Downspouts must discharge to splash pads.
- Impervious surfaces are not permitted.
- Amended soils must be placed on the property unless it can be shown by a Professional Geotechnical Engineer that the infiltration rate of the native soil is greater than 50mm/hour and as such amended soils are not required.
- Minimum building elevation of 0.30m above the crown of the road.

### **Requirement for Professional Geotechnical Engineer**

The owner of the property is to obtain the services of a Professional Geotechnical Engineer, who is to provide:

- a report on the suitability of the soil and groundwater table depth of the subject property.
- provide an Integrated Rainwater Management and Lot Grading Plan. (Refer to Section 5.0 of the Design Criteria Manual for requirements).
- Schedule B and sealed design drawings
- Sealed copy of the on-site infiltration design template.

### **Covenant Requirements**

Once the report and design drawings have been accepted by the City of Langley Engineering Department, a rough draft of the restrictive covenant and the engineer's report is to be submitted electronically to the City of Langley Building Department at inspections@langleycity.ca for review. The property owner will be notified if the draft document will require corrections or amendments. Once the draft restrictive covenant has been accepted, the owner is to provide 2 original signed documents, title search and letter of undertaking from the lawyer or notary to the City of Langley for final signatures. The report from the Geotechnical Engineer will be attached to a restrictive covenant that is to be registered against the property with the Land Title Office for the on-site infiltration gallery.

#### See over for Checklist of Design Plan Requirements

DocsLang # 182353-v1 South Langley Integrated Rainwater Management Plan July 11, 2022

### SOUTH LANGLEY INTEGRATED RAINWATER MANAGEMENT PLAN CHECKLIST

Address: BP#:

### SOUTH LANGLEY INTEGRATED RAINWATER MANAGEMENT PLANS ARE REQUIRED FOR THE FOLLOWING:

- Single family dwellings: new, reconstruction of, additions, and •
- Accessory Buildings •

### **GENERAL REQUIREMENTS**

Req'd	Rec'd	N/A	
			Sealed soils report from a Professional Geotechnical Engineer complete with Schedule B
			2-sets of Professional Geotechnical Engineer sealed plans conforming to the specifications and standards of the City's Subdivision and Development Servicing on an A1 size, 22"x34" sheet
			Dimension all lot lines
			Benchmark Information
			Integrated Rainwater management legend
			Lot area, building, and driveway area(s)
			Existing and proposed building footprint, driveway, parking, storage & other impermeable surfaces
			Location and specifications of amended soils
			Location and specifications of infiltration gallery (5.0m from building foundation and 1.0m minimum from property lines). Engineering design calculations showing the infiltration gallery size required to contain a 100-year, 24-hour rainfall event.
			Proposed location of swales and lawn basins.
			Rainwater leader splash pad locations (not to flow over walking surfaces)
			Show adjacent properties surface flow direction
			Show pre-development & post-development contours at maximum 0.25m intervals extending 30m outside the development site/property
			Proposed location of the sediment trap
			Existing and proposed elevations at all lot corners
			Note minimum building elevation (0.30 above crown of road)
			Cross section of property complete with proposed building and elevations.
			Final infiltration rate in mm/hr for infiltration gallery design

Please note that it is the sole responsibility of the owner/agent to ensure that they have reviewed the project requirements and provided all applicable information on the integrated stormwater management plans. Additional information may be requested during the plan review process.



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### INTEGRATED RAINWATER MANAGEMENT FOR <u>SERVICED</u> PROPERTIES

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#### BACKGROUND:

The purpose of this guide is to provide basic information on the requirements for integrated rainwater management in Langley on properties serviced by City storm sewer. For detailed design information, please see Section 5.0, Integrated Rainwater Management in the City of Langley Design Criteria Manual of the Subdivision and Development Servicing Bylaw 2020 No.3126.

### Requirements:

Where a City drainage system is available to a single-family dwelling lot in Langley for which a building permit application for new construction, or an addition to a single family dwelling or accessory building an Integrated Rainwater Management plan will be required.

The requirement for a Rainwater Management is **exempt** if an additional roof area of 25m2 (269sqft.) or less is proposed for a single family dwelling or if the total roof area of an accessory building is less than 25m2 (269sqft.).

The following is a list of Integrated Rainwater Management requirements:

- Submission of a design for the Integrated Rainwater Management system by a Professional Geotechnical Engineer (to include a soils report, downspout discharge, pervious pavement, lot grading, sediment trap, storage manhole and amended soils).
- The property must have existing soil conditions that are permeable or porous
- Downspouts must discharge to splash pads.
- Impervious surfaces are not permitted.
- Amended soils must be placed on the property unless it can be shown by a Professional Geotechnical Engineer that the infiltration rate of the native soil is greater than 50mm/hour and as such amended soils are not required.
- The minimum building elevation (MBE) is to be 0.60m above the storm sewer service connection invert and 0.30m above the Major drainage System Hydraulic Grade Line (HGL), whichever governs.

#### **Requirement for Professional Geotechnical Engineer**

The owner of the property is to obtain the services of a Professional Geotechnical Engineer, who is to provide:

- a report on the suitability of the soil and groundwater table depth of the subject property.
- provide an Integrated Rainwater Management and Lot Grading Plan. (Refer to Section 5.0 of the Design Criteria Manual for requirements).
- Schedule B and sealed design drawings

#### **Covenant Requirements**

Once the report and design drawings have been accepted by the City of Langley Engineering Department, a rough draft of the restrictive covenant and the engineer's report is to be submitted electronically to the City of Langley Building Department at <u>inspections@langleycity.ca</u> for review. The property owner will be notified if the draft document will require corrections or amendments. Once the draft restrictive covenant has been accepted, the owner is to provide 2 original signed documents, title search and letter of undertaking from the lawyer or notary to the City of Langley for final signatures. The report from the Geotechnical Engineer will be attached to a restrictive covenant that is to be registered against the property with the Land Title Office for the Integrated Rainwater Management System.

### See over for Checklist of Design Plan Requirements

### INTEGRATED RAINWATER MANAGEMENT FOR SERVICED PROPERTIES CHECKLIST

Address: BP#:

### RAINWATER MANAGEMENT PLANS ARE REQUIRED FOR THE FOLLOWING:

- Single family dwellings: new, reconstruction of, additions, and •
- **Accessory Buildings** •

### **GENERAL REQUIREMENTS**

Req'd	Rec'd	N/A	
			Sealed soils report from a Professional Geotechnical Engineer complete with Schedule B
			2-sets of Professional Geotechnical Engineer sealed plans conforming to the specifications and standards of the City's Subdivision and Development Servicing on an A1 size, 22"x34" sheet
			Dimension all lot lines
			Benchmark Information
			Lot area, building, and driveway area(s)
			Existing and proposed building footprint, driveway, parking, storage & other impermeable surfaces
			Location and specifications of amended soils
			Proposed location of swales, lawn basins and storage manhole etc.
			Rainwater leader splash pad locations (not to flow over walking surfaces)
			Show adjacent properties surface flow direction
			Show pre-development & post-development contours at maximum 0.25m intervals extending 30m outside the development site/property
			Proposed location of the sediment trap
			Existing and proposed elevations at all lot corners
			The minimum building elevation (MBE) is to be 0.60m above the storm sewer service connection invert and 0.30m above the Major drainage System Hydraulic Grade Line (HGL), whichever governs.
			Cross section of property complete with proposed building and elevations.

Please note that it is the sole responsibility of the owner/agent to ensure that they have reviewed the project requirements and provided all applicable information on the integrated stormwater management plans. Additional information may be requested during the plan review process.



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# SECONDARY SUITE APPLICATION AND TECHNICAL REQUIREMENTS

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### **BACKGROUND:**

The purpose of this guide is to assist the homeowner / builder or contractor with the Building Permit Application process to establish a Secondary Suite in a single-family dwelling. This guide provides information on the BC Building Code and City of Langley's requirements for permit applications, construction and inspections of.

### Zoning Bylaw Requirements

Before a Secondary Suite may be considered, the owner of the property is to ensure the following conditions are met:

- The registered owner of the lot on which the secondary suite is situated, must reside in either the principal dwelling or the secondary suite;
- Only one (1) secondary suite is permitted in a singlefamily residential building;
- The secondary suite is in, and part of a building which is a single real estate entity. The secondary suite cannot be subdivided from the building under the Strata Property Act. (This means, both dwelling units are registered under the same title);
- The secondary suite will not be permitted in a townhouse, multi-family unit building, or row-house.
- The secondary suite shall not exceed 90m2 (968sqft) of finished living area. (This does not include areas used for common storage, laundry facilities or egress);
- The secondary suite shall not exceed 40% of the gross floor area of the building in which the principal dwelling and secondary suite are located;
- The secondary suite shall be provided at least one (1) off-street parking space, in addition to the two (2) spaces required for a single-family dwelling as set out in Part I
   E. 4 of the City of Langley Zoning Bylaw;
- ~ The secondary suite shall be provided with a "hard surfaced" walkway/sidewalk to the entrance of the suite.
- The secondary suite shall be inspected and approved for compliance with all the requirements by way a Building Permit.

# Technical Requirements for New and Existing Secondary Suites

All suites are required to have the following:

- a kitchen sink, lavatory, bathtub (or shower), and water closet;
- a heating system capable of maintaining a minimum temperature of 22°C during the heating season (e.g. electric baseboard heaters or isolated forced air);
- a minimum ceiling height 2.0m (6'6").

Where an existing dwelling is over 30 years of age or the extent of the renovations are more than \$100,000.00; the Engineering Department of the City of Langley will determine whether the existing utilities need to be up graded.

### **Application for a Building Permit**

The applicant must provide the following Information:

- ~ A completed building permit application form;
- ~ Owner's Acknowledgment (Form 1);
- A title search, (no older than 48 hours prior to the permit application);
- ~ Agent's Authorization Form, (when a building contractor is involved in the project);
- Letter of Assurance Schedule B (when a Professional Engineer is involved with the project);
- Professional Proof of Insurance (Form 2) and copy of insurance (provided by the Professional Engineer involved with the project);
- 2 sets of site and building plans drawn to scale.

### **Required Drawings:**

The minimum size paper accepted is 11"x17". (Lined or graph-paper will not be accepted, nor will plans drawn in pencil.)

All plans and information submitted must be of an appropriate scale, with sufficient detail to establish compliance with the BC Building Code and City of Langley Bylaws. The plans are to be legible and of suitable quality for digitization. If you are unable to draw appropriate plans, then you must obtain the services of a qualified person. (Designer or Architect)

### Site Plan:

The site plan is to be drawn in  $1/8^{\circ} = 1^{\circ}0^{\circ}$  scale and include the following:

- ~ address;
- ~ the dwelling sited on the property;
- ~ north arrow;
- fronting and adjacent streets;
- ~ driveway and proposed off-street parking spot;
- ~ hard surfaced walkway to suite entry.

### Floor Plan:

The floor plans are to be drawn in 1/4" = 1'0" scale and include the following information:

- both floors of the principal dwelling and the secondary suite;
- ~ all rooms clearly labeled and their sizes;
- ~ all door and window locations, with sized shown;
- locations of smoke and CO detectors;
- locations of exiting or proposed sprinkler heads to be relocated or installed (only if a fire suppression is existing);
- the method of heating the secondary suite.
   (e.g. electric base boards or isolated forced air,);
- a detail of the construction for the fire separation between the dwelling and secondary suite ceilings and walls; complete with the fire resistance and sound ratings;

### Cross Section:

The cross-section view is to be drawn in 1/4" = 1'0" scale and include the following information:

- All construction materials for the walls, ceilings, and floors;
- Wall and floor assemblies with required fire resistance and sound ratings;
- Floor to ceiling height of all rooms;

### BC Building Code Safety Requirements:

- All work is to comply fully with the current edition of the BC Building Code;
- Dwelling units that contain a secondary suite shall be separated from each other by a fire separation having a fire-resistance rating of not less than 30 min.
- Smoke alarms shall be installed in each sleeping room and hallway of the suite. The smoke alarms shall be wired so that the activation of one smoke alarm will cause the others to sound.
- An additional, interconnected, photo-electric smoke alarm shall be installed in both the principal dwelling and the suite.

- Carbon Monoxide (CO) alarms are required to be installed and interconnected between the dwelling and suite where a fuel fire appliance (natural gas furnace or hot water tank) is in the building or where a storage garage is present;
- An exit must be provided directly to the exterior from the suite. A second exit may be required dependant on egress from the suite. A window is acceptable as a second exit provided it has an unobstructed opening of not less than 0.50m2 (5.38sqft) with a maximum sill height of 1m;
- Exiting through a garage or service room is not permitted;
- All bedrooms shall have a window that provides emergency egress to the exterior. The window shall have an unobstructed opening of not less than 0.35m2 (3.77sqft) with no dimension less than 380mm (15");
- Stair width shall be a minimum 860mm (34") with a rise and run compliant to the BC Building Code;
- For dwellings equipped with a fire suppression system, modifications to the system will require a separate permit application.

### Secondary Suite Heating and Ventilation:

- For <u>existing</u> dwellings, with an interconnected forced air heating and ventilation system between the principal dwelling and the secondary suite, one of the following three options may be used to bring the system into compliance:
  - i) the heat registers and cold air returns are to be disconnected from the main air plenum and covered and sealed; the secondary suite is then supplied with electric base board heaters.
  - ii) where the heating or ventilation system will serve both the secondary suite and the principal dwelling, the system shall be designed to prevent the circulation of smoke upon the signal from a duct type smoke detector. Ducts penetrating fire separations shall be equipped with fire dampers.
  - iii) an independent furnace and duct system may be installed to heat the secondary suite.
- A secondary suite, new or existing, is to have its own principal fan, sized and controlled in conformance with the ventilation requirements of the current edition of the BC Building Code.
- New Dwellings are to be designed so that the furnace room for the principal dwelling is not located in the secondary suite
- A furnace room in an <u>existing dwelling</u> shall be separated from the secondary suite with a minimum 30 min. fire separation and have doors of a hinged type, complete with weather stripping and a selfclosing device.

# Separation between the Principal Dwelling and the Secondary Suite

 Secondary suites and the principal dwelling shall be separated by a fire separation having a minimum 30minute fire resistant rating;

### 30 minute FRR with a Sound Transmission Class Rating (STC)of 43:

- Joist spaces of floor/ceiling assemblies, are to be filled with preformed insulation of rock or slag fibres conforming to CAN/ULC S702. (REGULAR THERMAL INSULATION IS <u>NOT</u> ACCEPTABLE, MINERAL FIBRE INSULATION REQUIRED);
- Load bearing wall stud spaces (including the exterior walls of the suite) are to be filled with preformed insulation of rock or slag fibres conforming to

#### CAN/ULC S702. (REGULAR THERMAL INSULATION IS <u>NOT</u> ACCEPTABLE, MINERAL FIBRE INSULATION REQUIRED);

- Resilient channel, spaced at either 16" or 24" O.C. is required on at least one side of the walls separating the suite and dwelling as well as on the ceiling;
- Minimum 1/2" type X drywall is required on both sides of the walls and on the ceiling or construction providing an STC rating of not less than 43, or a separating assembly and adjoining construction, which together provide an ASTC rating of not less than 40;
- Combustible drain, waste, and vent piping must be enclosed by a minimum of 1/2" drywall. Penetrations of a horizontal fire separation (the ceiling of the suite) are not permitted. Openings in the drywall around drain, waste, or vent piping are to be sealed.

#### 45 minute FRR with a Sound Transmission Class Rating (STC) of 48:

- Floor/ceiling assemblies, joist spaces are to be filled with a minimum 6" of fibreglass insulation;
- Stud spaces of load bearing walls, (including the exterior walls of the suite) to be filled with fibreglass insulation;
- Non-load bearing suite separation walls to be filled with fibreglass insulation;
- Resilient channel is required on ceilings and 1 side of the suite separation wall.
- 5/8" type X drywall is required on both sides of the walls and ceilings;

### **Required Inspections:**

(As they are applicable to the scope of work being performed)

- ~ Preliminary inspection of an existing building;
- Under-slab plumbing;
- ~ Rough plumbing;
- Waterlines and P-trap;
- ~ Framing;
- Vapour barrier and insulation;
- Drywall inspection to confirm installation of the resilient channel and the thickness of drywall on the separation walls and ceiling;
- ~ Final.

No person may occupy or permit occupancy of any Building or Structure until a Final Inspection has been undertaken by the Building Inspector and occupancy has been authorized in writing.

### **BUILDING PERMIT FEES:**

The Building Permit fees are based on the value of construction. A non-refundable application fee will be collected at the time of application. The remainder of the total building and plumbing permit fees will be calculated after the plan review has been completed. A refundable damage deposit is required prior to the issuance of the Building Permit.

### ADDITIONAL INFORMATION:

- Storm sewer lift pumps are not permitted in the single-family residential areas.
- Required storm drainage is to be connected to the city storm sewer system. If there is no existing connection, an engineered infiltration gallery may be permitted.
- A Hazardous Material Survey and Notice of Project may be required for Homes constructed pre-1990.
   For additional information on asbestos removal, please go to: www.worksafebc.com.
- Required electrical permits are to be obtained through Technical Safety BC. Please contact their office at: 1-866-566-7233.
   Email: contact@technicalsafetybc.ca.



Langley City Hall, 20399 Douglas Crescent, Langley, BC Canada V3A 4B3

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### **RESIDENTIAL APPLICATION**

BUILDING DIVISION inspections@langleycity.ca 604-514-2804

		LOCATION & P	ROPERTY INFOR	RMATION		
Construction Ad	dress:					
Legal Descriptio	n: LotDL_	SEC	_TWN	Plan		
		TYPE OF	Nork Propos	ED		
New House 🗆	House c/w Suite	□ Addition □	Renovations	Secon	dary Suite 🗆	Accessory
Construction Va	lue: \$					
Except for the co	onstruction of a ne	ew dwelling, please	describe the sc	cope of wor	k proposed:	
·		371				
			t Informatio			
INSPECTION C	ONTACT EMAIL:					
		City:				
		C				
Address:		City:	Pi	rovince:	Postal:	
		e:				
Contact Person :_			Bus	iness Licenc	e #:	
Phone:	Cell:		email:			
Address:		City:	P	Province:	Postal:	
Plumbing Cont	ractor					
Company Name	:		Conta	ct Person:_		
Address:		City:		Province:	Postal:	
New or Relocat	ed Plumbing Fix	tures:				
To <mark>ilets</mark> Bas	ins Bath T	ubs Showers_	Sinks	Dishwas	her Refri	gerator
Clothes Washer	Laundry Tul	os HWT FC	) BFP	_ Hose Bib_		
		DE MUST BE COM			PI ICATION	
		APPLICATIONS WIL				NCE.

**INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED.** 

### **BUILDING DESCRIPTION**

No. of floor	s Main Fl	oor:	sqft Secon	d Floor:	sqft	Finished Basement:	sqft
Total Finish	ned Area:	sqft Un	finished Floor	Area:	_sqft Se	econdary Suite Area:	sqft
Attached G	arage Area:	sqft	Sundeck Area	a:so	qft Sun	deck with Roof Area:	sqft
Heating:	Forced Air $\Box$	Electric-B	aseboard: 🗆	Hot Water R	adiant 🗆	HW-Baseboard: 🗆	Other 🗆
		RESIDE	ΝΤΙΔΙ ΔΡΡ		CHEC	KLIST	

The purpose of this checklist is to describe typical information and documentation which may be necessary when applying for a new Single Family Dwelling or addition application. The following list is not exhaustive and additional items not listed may be required at a later date.

Req'd	NA	Rec'd	
			Completed Building Permit Application Form
			Application Fee
			Two complete sets of Building Permit and Structural Drawings. (Refer to Single Family Dwelling Guide).
			HPO form (available from BC Housing) (if applicable)
			Owner's Acknowledgement Form (Form 1)
			Agent Authorization Form (if Applicant is not the Owner)
			Title Search – (No older than 48hrs prior to the permit application)
			Engineered Truss layout (if applicable)
			Sealed TJI layout (if applicable)
			Topographical Survey - (For the purpose of site grading for infill lots. Must be original; no older than 30 days). To show main floor elevation(s) of neighbouring homes & grade elevations of adjacent lots.
			Schedule "B" from Registered Professional(s)
			Registered Professional's Proof of Insurance (Form 2)
			Certificate of Insurance from Registered Professional(s)
			Integrated Rainwater Management Plan, and soil report sealed by a Registered Professional. (if applicable)
			Flood Hazard Assessment Study
			Provide a reduced copy of the accepted Site Servicing, MBE, Flood Construction Level, Lot Grading. (for subdivisions only)
			Covenants (as applicable)
			Contractor`s business license number
			Apply to Engineering Department for estimate to upgrade services. (applicable to projects with a construction value of \$200,000.00 or greater)
			Application fee to be paid at time of application.

I hereby make an application for a Building Permit in accordance with the information stated above and declare that the information provided is complete. In consideration of the granting of the permission applied for, I/we hereby agree to indemnify and keep harmless the City of Langley against all claims, liabilities, judgments, costs and expenses of whatsoever kind, which may in any way accrue against the said City in consequence of, and incidental to, the granting of this permit, and I/we agree to pay the cost of repairing any damage to the sidewalk and/or curb by reason of the building operations in respect of which this permit is applied for, and I/we further agree to conform to all requirements of the building by-law and all other statutes and bylaws in force in the City of Langley, and I/we further acknowledge that the City accepts no responsibility for the accuracy of the information contained herein. I understand that payment of fees or acceptance of application does not guarantee that a building permit will be issued.

Name of Applicant:

Signature:

Date:

Personal Information collected on this form as per the Freedom of Information and Protection of Privacy Act, Sec 26 (c), is for the sole purpose of processing the access to records request and will be managed in accordance with the Act. Questions regarding the collection and use of your Personal Information may be directed to the Corporate Officer at <u>kkenney@langleycity.ca</u>



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# **OWNER'S ACKNOWLEDGEMENT**

BUILDING DIVISION inspections@langleycity.ca 604-514-2804

ivic Address of the Project:	
egal Description:	
roject Name and Description:	

I acknowledge that the owner of the land in respect of which this permit application is made is solely responsible for carrying out the work in accordance with the Building Code and other applicable laws respecting safety.

I acknowledge that the owner of the land is solely responsible for determining whether the work contravenes any covenant, easement, right of way, building scheme or other restriction affecting the building site, and whether the work requires the involvement of an architect under the Architect's Act or an engineer or geoscientist under the Engineers and Geoscientists Act.

I acknowledge that the City of Langley provides a limited monitoring service in relation to the building construction and does not, by accepting or reviewing plans, inspecting construction, monitoring the inspection of construction by others or issuing building or occupancy permits, make any representation or give any Assurance that the construction authorized by the permit for which application is made complies in every or any respect with the Building Code or any other applicable laws respecting safety.

If the City of Langley so indicates on any permit issued pursuant to this application, I acknowledge that the City has issued the permit in reliance on the certification of a registered professional, engaged by me to provide such a certification, that the plans for the work authorized by the permit comply with the Building Code and other applicable enactments, and that the fee for the permit has been accordingly reduced. I acknowledge that the City of Langley, by issuing this permit or any occupancy permit, makes no representations to me or any other person as to any such compliance.

### ALL REGISTERED OWNERS MUST PRINT AND SIGN NAME(S):

Name of Registered Owner(s)

Print	Signature	Date
Print	Signature	Date

if more than two (2) owners, please submit a separate letter

If the registered owner of the property is a company or not-for-profit corporation, then an authorized signatory as identified by the solicitor must submit a separate letter **OR** all persons on the Company Title Certificate / Society Summary must sign the Letter of Authorization. A copy of the Company Title Certificate / Society Summary must also be provided.
 All signatures must be original. Photocopies, scans, or digital copies are not accepted.

Any personal information collected on this form will be managed in accordance with the Freedom of Information and Protection of Privacy Act. Direct enquiries, questions, or concerns regarding the collection, use, disclosure, or safeguarding of personal information associated with this form to: Head of Freedom of Information, City of Langley, 20399 Douglas Crescent, Langley, BC V3A 4B3, info@langleycity.ca or 604.514-4591



T 604.514.2800 F 604.530.4371 langleycity.ca

Building and Plumbing By-law Bylaw No. 2498

### AGENT AUTHORIZATION

BUILDING DIVISION inspections@langleycity.ca 604-514-2804

I/We,		(List of ALL Owners)
Contact Phone No:	Contact Email:	
Own the land described below and confirm the	appointment of:	
Agent's Name:		
Address:		
Phone No: Email: _		
As agent with respect to the		(permit application type)
regarding the property described as: Civic Address:	PID:	Folio:
_egal Description: Lot:, Dist. Lot:	, Plan:	

It is understood that:

- the City of Langley shall deal exclusively with the above noted agent with respect to all matters pertaining to the application mentioned above and is under no obligation to communicate with the owner(s) or any other person;
- the above-noted agent has authority to make all necessary arrangements with the City of Langley to perform all matters and to take all necessary proceedings with respect to the application mentioned above; and
- 3. A written letter is required from the Owner to cancel this appointment.

Further, I/We hereby agree that all information, including personal information, contained on this document and on the application mentioned above may be made available to the public.

### ALL REGISTERED OWNERS MUST PRINT AND SIGN NAME(S):

Name of Registered Owner(s)

Print	Signature	Date
Print	Signature	Date

if more than two (2) owners, please submit a separate letter

If the registered owner of the property is a company or not-for-profit corporation, then an authorized signatory as identified by the solicitor must submit a separate letter **OR** all persons on the Company Title Certificate / Society Summary must sign the Letter of Authorization. A copy of the Company Title Certificate / Society Summary must also be provided.
 All signatures must be original. Photocopies, scans, or digital copies are not accepted.

### FOR STRATA TITLE PROPERTIES PLEASE COMPLETE Page 2 AS WELL



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### REGISTERED PROFESSIONAL'S PROOF OF INSURANCE (FORM 2)

### BUILDING DIVISION inspections@langleycity.ca 604-514-2804

City of Langley 20399 Douglas Crescent Langley, BC V3A 4B3

Attention: Chief Building Inspector:

### **RE** : (address of project)

The undersigned hereby gives Assurance that:

- I have fulfilled my obligation to obtain a policy of professional liability insurance as outlined in section 15.3 of the Building and Plumbing Bylaw, 2003, No. 2498;
- I have enclosed a copy of my certificate of insurance indicating the particular of such coverage;
- I am a registered professional as defined in the current edition of the British Columbia Building Code;
- I will notify the Building Official immediately if this insurance coverage is reduced or terminated at any time during construction.

	[affix seal]	
Name of Registered Professional (please print)		
Signature of Registered Professional	Date	
Email address:		
Name of Firm		
Permit to Practice #		



# **BUILDING DIVISION**

### inspections@langleycity.ca 604-514-2804

### **GENERAL CONTACT INFORMATION**

LANGLEY CITY HALL	604-514-2804	inspections@langleycity.ca	20399 Douglas Cr., Langley BC V3A 4B3	Mon-Fri: 8:30 to 4:30pm
LANGLEY CITY FIREHALL	604-514-2880	fireinfo@langleycity.ca	5785 203 St., Langley BC V3A 9L9	Mon-Fri: 8:30 – 4:30pm
RCMP NON-EMERGENCY	604-532-3200	langleyrcmp@rcmp-grc.gc.ca	22180 48A Ave., Langley, BC V3A 8B7	Various hours
LANGLEY PUBLIC HEALTH UNIT / HEALTH PROTECTION	604-514-6121	LangleyHP@fraserhealth.ca	Suite 110, 6470 201 Street, Langley, BC V2Y 2X4	Mon-Fri: 8:30am – 4:30pm
GAS & ELECTRICAL TECHNICAL SAFETY BC	1-866-566-7233	contact@technicalsafetybc.ca	104-9525 201 St., Langley BC V1M 4A5	Mon-Fri: 8:30am – 12:30pm
BC HYDRO	1-800-224-9376	bc1c.ca Bchydro.com	6911 Southpoint Dr., Burnaby BC	Mon-Fri: 8am – 4pm
FORTIS BC	1888-224-2710	Fortisbc.com	16705 Fraser Hwy., Surrey, BC V4N 0E8	Mon-Fri: 7am – 8pm
BC ONE CALL	1-800-474-6886	info@bc1c.call	130-4299 Canada Way, Burnaby BC V5G 1H3	Mon-Fri: 7am – 5pm
WORKSAFE BC (SURREY) Prevention Information Line	604-276-3100 1-888-621-7233	contactus.online.worksafebc.com	100-5500 152 <sup>nd</sup> St., Surrey BC V3S 5J9	24hrs
LANGLEY REGIONAL AIRPORT	604-534-7330	ynjoperations@tol.ca	5385 216 St., Langley BC V2Y 2N3	8am – 4pm
BC ASSESSMENT AUTHORITY	1-866-825-8322	bcassessment.ca	240-31935 South Fraser Way, Abbotsford BC V2T 5N7	
HOMEOWNER PROTECTION OFFICE	604-646-7050 1800-407-7757	bchousing.org	203-4555 Kingsway, Burnaby BC V5H 4T8	Mon-Fri: 8:30am – 4:30pm
LAND REGISTRY OFFICE	604-630-9630	customerservice@ltsa.ca	500-11 Eighth St., New Westminster BC V3M 3N7	Mon-Fri: 8am – 4:30pm
BC GOVERNMENT AGENTS OFFICE	604-466-7470		175-22470 Dewdney Trunk Rd Maple Ridge, BC V2X 5Z6	Mon – Fri: 9am – 4:30pm
DEPARTMENT OF FISHERIES & OCEANS		www.dfo-mpo.gc.ca		
MINISTRY OF ENVIRONMENT	604-582-5200	servicebc@gov.bc.ca	200-10470 152 <sup>nd</sup> St.,Surrey, BC V3R 0Y3	