

This brochure is provided for information purposes only and the provisions of the City's Watercourse Protection and Crossing Bylaw No. 8441, as amended or replaced from time to time, and all other laws and other relevant City bylaws shall always take precedence.

Please note that unpermitted watercourse crossings or infills may be removed by the City at the property owner's cost.

Options to construct a crossing in a City watercourse

1. Watercourse Crossing Permit

The City's Watercourse Protection and Crossing Bylaw No. 8441 permits property owners to infill a City watercourse or construct a watercourse crossing.

2. Local Area Services Program (LASP)

This is a neighbourhood improvement program paid for by benefitting property owners, with some financial assistance from the City. If you would like to learn more about the LASP, please visit richmond.ca/services/transportation/lasp.htm.



Contact Us

For further information on watercourse crossings or the LASP, please visit richmond.ca/services/transportation/maintenance/Watercourse.htm or contact the following:

Watercourse Crossing Permit

Engineering Planning

watercoursecrossing@richmond.ca

604-247-4649

Local Area Services Program (LASP)

Serene Pang

spang@richmond.ca

604-276-4394



Watercourse Crossing Information

This brochure provides information on how to apply for a City watercourse crossing permit.



City of Richmond

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richmond.ca

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Engineering and Public Works Division

richmond.ca

Frequently Asked Questions

What should I do if I want to modify or construct a watercourse crossing?

1. Read the City's Watercourse Protection and Crossing Bylaw No. 8441.
2. Determine if the watercourse is within a Riparian Management Area (RMA) by proceeding as follows:
 - Go to Richmond Interactive Map: <https://maps.richmond.ca/rim/>
 - Locate your property.
 - Open **Layer List**, go to **Richmond Data**, expand **Development**, select **RAR 15m Buffer** and **RAR 5m Buffer**.
 - If the watercourse fronting your property is highlighted under one of the buffers, your watercourse falls under the RMA.
If the proposed watercourse crossing is within the RMA, contact the Environmental Sustainability Department at 604-204-8670, 604-247-4661, or email RMA@richmond.ca to determine the required habitat protection measures to be included with the application.
If the proposed watercourse crossing is not within the RMA, proceed to Step 3.
3. Determine if you would like to install a culvert or bridge watercourse crossing.
4. Apply for a watercourse crossing permit.

Do I own the watercourse crossing?

Yes, as per Bylaw No. 8441, the owner of the property fronting the watercourse crossing is the watercourse crossing owner. The owner is responsible for all costs associated with the design and construction of the watercourse crossing. In addition, the owner is responsible for maintaining, repairing and replacing the watercourse crossing.

How do I apply for a watercourse crossing permit?

1. Print the application form online (richmond.ca/services/transportation/maintenance/Watercourse.htm) or pick-up a hard copy at City Hall.
2. Fill out the form and bring it to City Hall.
3. Pay the non-refundable application fee.



Who designs the watercourse crossing?

All design drawings are to be signed and sealed by a Professional Engineer, and prepared in accordance with the City of Richmond Engineering Design Specifications.

Please bring one copy of the design when applying for the permit.

Drawings will be reviewed by the City and design comments will be provided, if necessary.

Once construction is complete, the Professional Engineer is required to provide the City with "as-built" drawings. Drawings are to be brought to City Hall and directed to Engineering Inspections.

What should I do once my design is approved?

Once approved, the permit will be issued once the following is provided:

- Bring signed and sealed drawings of the watercourse crossing design to City Hall.
- Pay a non-refundable inspection fee.
- Pay a refundable security deposit (\$5,000).
- Submit a copy of comprehensive general liability insurance,* provided by the project contractor. The insurance is to have a limit of not less than \$5,000,000 inclusive per occurrence for bodily injury and property damage.

**The insurance must be endorsed to add the City as an additional insured and contain a provision requiring that at least 30 days' notice be given to the City prior to cancellation or expiry.*

