



What's Under the Deck?

# SCIENCE WORLD RENEWAL

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Hmmm . . . everything seems to be tickety boo under here,  
but is it really?



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Why are we under the deck anyway?

There are three reasons:

1. Our mechanical engineer, Declan, is surveying the location of water and sanitary pipes so we can avoid them during pile driving.



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2. We need to investigate the state of corrosion on the existing piling. We may need to re-do some of the cathodic protection of our steel pilings.

Cathodic protection is a way of preventing the corrosion of a metal surface by covering it with an easier-to-corrode metal.



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3. Check out the stalactites growing on the underside of the deck!

These structures form when water moves in and over concrete. The way stalactites form on concrete is due to the presence of calcium oxide in concrete which reacts with any rainwater to form a solution of calcium hydroxide. This solution reacts with air to form the calcium carbonate structures you see here.

Big changes are taking place at Science World. Vancouver's iconic dome is undergoing a \$35 million renewal - the biggest in our history!

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