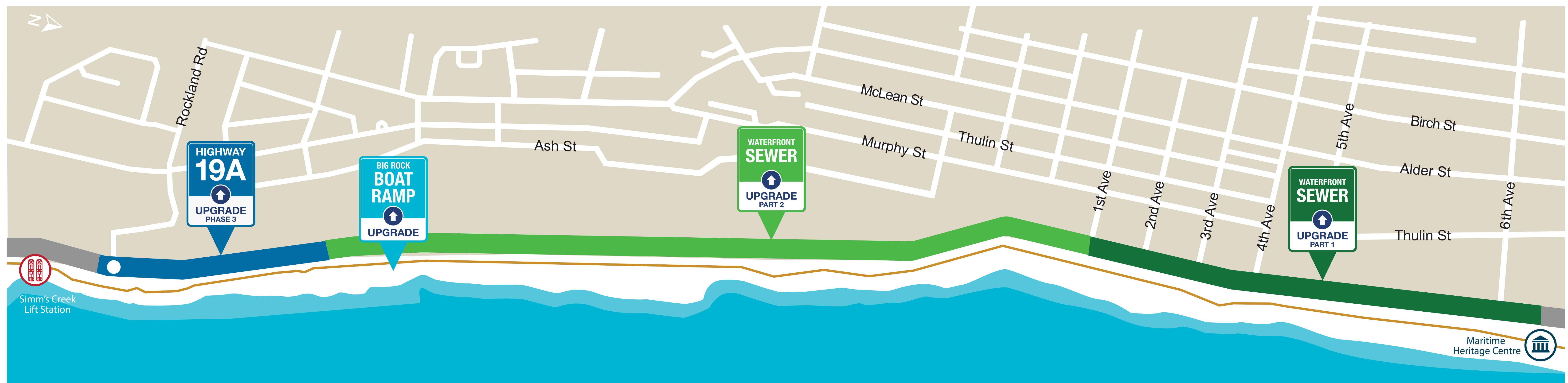


WATERFRONT PROJECT 2018 - 2020

PROJECT MAP



BIG ROCK BOAT RAMP UPGRADES



JUNE-OCTOBER 2018

In-water improvements

WATERFRONT SEWER UPGRADES



PART 1: JUNE-SEPT 2018

1st Ave to Maritime Heritage Centre

WATERFRONT SEWER UPGRADES



PART 2: 2020

1st Ave to Big Rock Boat Ramp

HIGHWAY 19A UPGRADES



PHASE 3: 2020

*Area: 1 km – 300 m south of Rockland Road
to the southern limit of McCallum Park*

WATERFRONT PROJECT 2018 - 2020

WHAT'S INCLUDED

The Waterfront Project 2018-2020 includes a lot of work that will improve services for residents in Campbell River and offer better access to services in the long-term. This will help the community achieve continued growth and new opportunities.

BIG ROCK BOAT RAMP UPGRADES



JUNE-OCTOBER 2018

In-water improvements

The first step in work at the Big Rock Boat Ramp focuses on improving safety and ramp use for boaters and anglers with in-water upgrades.

The work involves:

- Raised/realigned breakwaters to protect from wave action
- Improved ramp for easier access
- Floating docks to improve traction and water access for boats and trailers

Improvements to the parking lot/park area will be planned in 2019. Construction timing is TBC.

WATERFRONT SEWER UPGRADES



PART 1: JUNE-SEPT 2018

1st Ave to Maritime Heritage Centre

The work involves:

- Renew/upgrade sanitary sewer lines on Hwy 19A from Rockland Road to Maritime Heritage Centre. This includes;
 - Install new forcemain along Hwy 19A road right of way from Lift Station No. 7 (Simm's Creek) to 1st Ave
 - Install new gravity main from 1st Ave to Maritime Heritage Centre
- Upgrade affected lift (pump) stations along the route
- Connect the new sewer to new and existing lift stations
- Existing forcemain, connecting Hwy 19A from Hidden Harbour to Maritime Heritage Centre, to remain in place
- Create new lift station to connect properties on east side of Hwy 19A from 1st to 3rd avenues
- Address several existing gravity main connections

WATERFRONT SEWER UPGRADES



PART 2: 2020

1st Ave to Big Rock Boat Ramp

HIGHWAY 19A UPGRADES



PHASE 3: 2020

Area: 1 km – 300 m south of Rockland Road to the southern limit of McCallum Park

The work involves:

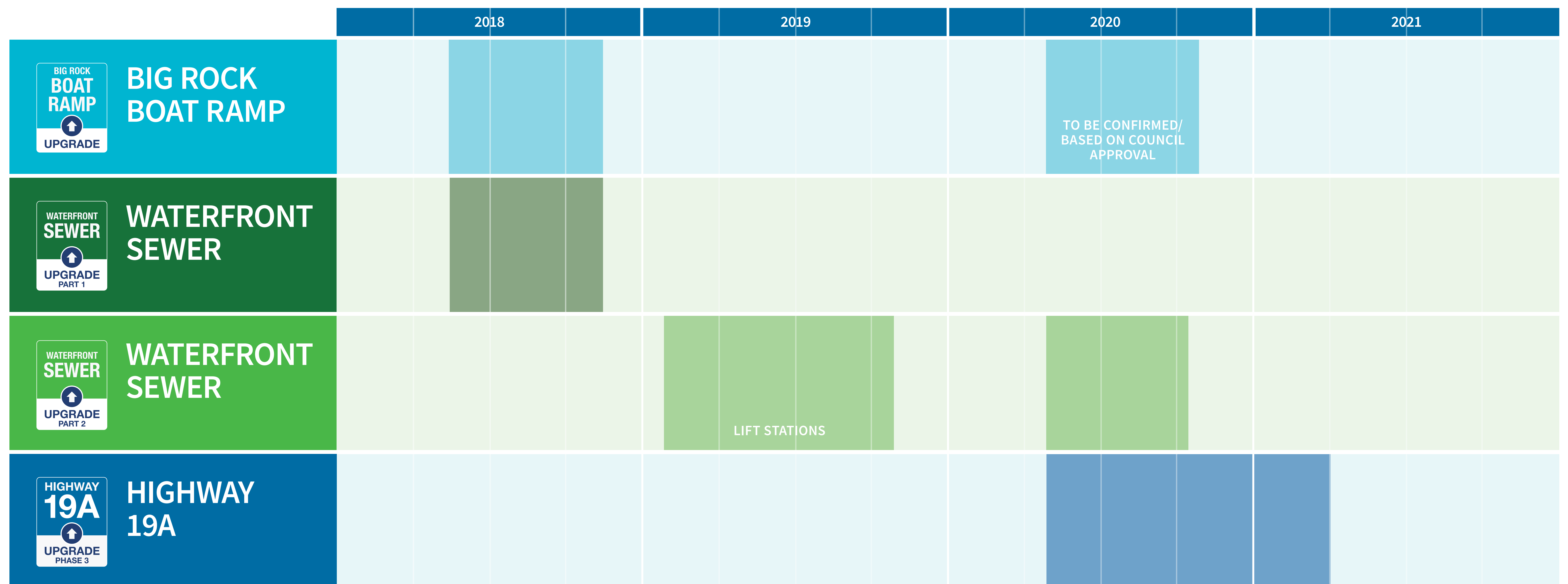
- Reconstruction of 1km of Hwy 19A from Lift Station No. 7 (Simm's Creek) to Big Rock Boat Ramp
- Significant reconstruction/upgrade of sewer and watermain
- Install storm drains
- Widen roadway, sidewalk, seawalk
- Add streetlights, enhance park spaces and waterfront areas
- Install underground electrical utilities
- Improve highway function, install Rockland roundabout
- Prepare waterfront for changes due to sea level rise



WATERFRONT PROJECT 2018 - 2020

CONSTRUCTION TIMELINE

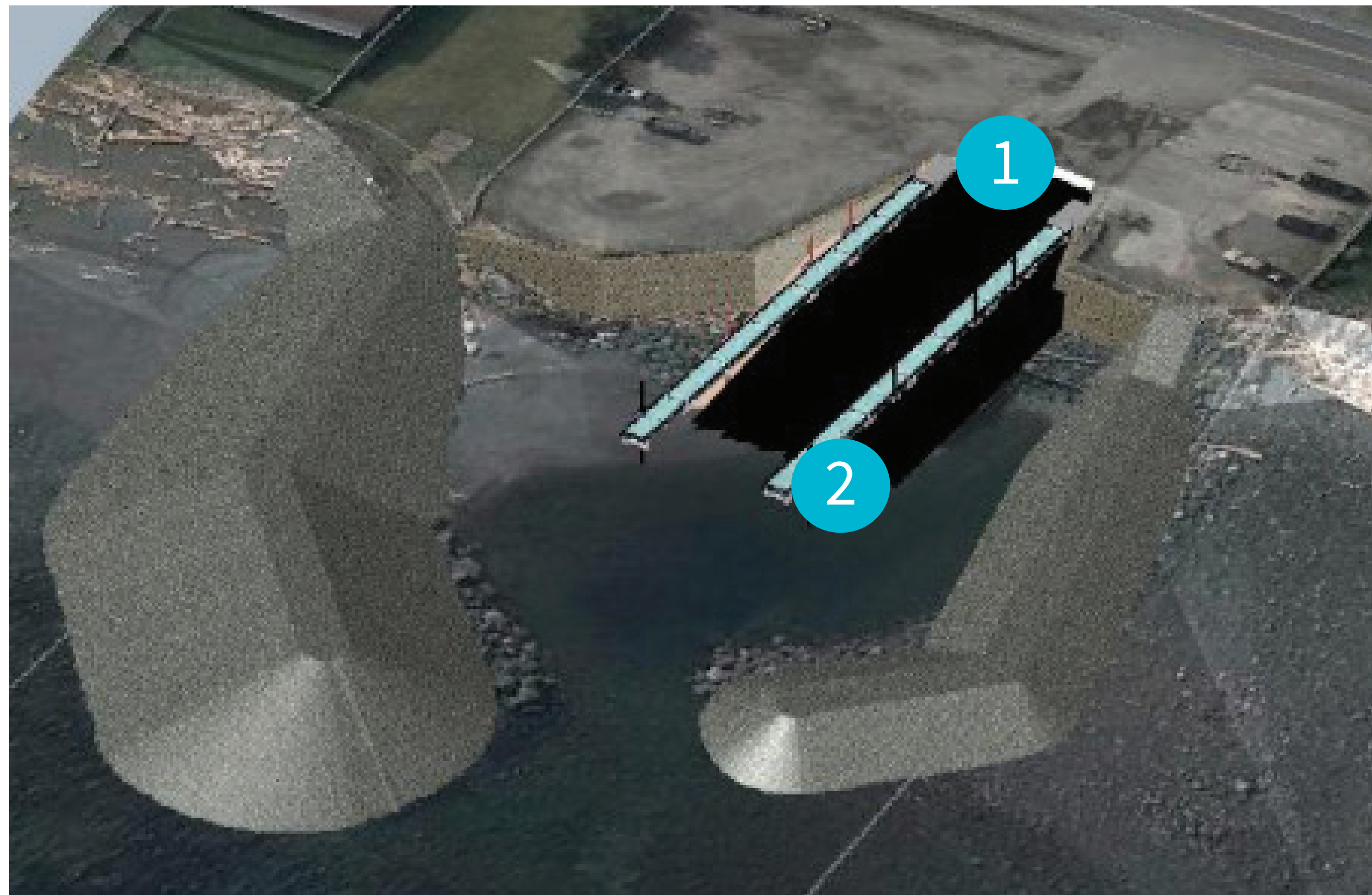
The Waterfront Project will require multiple phases of construction as each piece of the revitalization work proceeds. Each portion will have starts and stops – this timeline helps to explain where construction is anticipated, and when.





BIG ROCK BOAT RAMP UPGRADES

WHAT'S INCLUDED



The Big Rock Boat Ramp is a popular community amenity, which is due for an upgrade. This summer, the first phase of those improvements will be completed – with the in-water work scheduled for June-October.

1 CONCRETE RAMP

- Angle reduced and ramp widened
- Repair and repave with high traction finish
- Enable easier access

2 FLOATING DOCKS

- 130 ft long, made of seven sections
- Secured to 8 piles, 4 on each side
- Metal grate surface
- Improved traction and access at range of tides



3 BREAKWATERS

- Raising from 13 ft to 15 ft (north side); from 16 ft to 23 ft (south side)
- Angled north-facing entrance (65 ft wide at mean tide level)
- Better protection from wave action

4 PARKING LOT/PARK

- Not a part of this summer's work
- Planning will be completed through 2018
- Construction timeline to be confirmed



#crwaterfrontwork



BIG ROCK BOAT RAMP UPGRADES

TIMELINE

Big Rock Boat Ramp upgrades must be completed in the short period of time when in-water work is permitted by the Department of Fisheries and Oceans. The timeline below demonstrates how crews will get it all done by October.

APRIL

Construction Tender

Firms to submit proposals for civil construction work to be completed summer 2018

JUNE-JULY

Breakwater Work

Focus of construction will start with the breakwater improvements

AUGUST 31

Fish Window Closes

All in-water work must be completed as per Department of Fisheries and Oceans regulations

OCTOBER 2018

Celebrate!

Big Rock Boat Ramp reopens with improved facility that is more accessible

MARCH 2018

Dock Tender Out

City seeking supplier for new floating docks. Tender closes in early/mid-April

JUNE

Construction Begins

Boat Ramp closes mid-June for work to begin

JULY-AUGUST

Floating Ramp Work

Eight piles will be required (four on each side) to hold the floating ramp system in place

SEPTEMBER

Wrap-up

Final steps completed and construction team demobilizes





BIG ROCK BOAT RAMP UPGRADES

ALTERNATIVE LAUNCH OPTIONS

WONDERING WHERE TO LAUNCH THIS SUMMER?

Other boat ramps in the area are ready for increased traffic this summer. Here's where to find those facilities.





WATERFRONT SEWER UPGRADES

PROJECT MAP

The waterfront sewer forcemain, built in 1972, is a critical piece of infrastructure that needs to be replaced to support new growth in the community. Work will begin in summer 2018, with the first portion at the southern entrance to the downtown. Further work will continue in 2020.



Construction Route

Construction of the waterfront sewer line will run from north to south. The pipe will be installed on the west side of the road, crossing at Maritime Heritage Centre to tie-in.

Ground Conditions

A particular challenge for parts of this project will be the soft ground – requiring large trenches to ensure pipes can be installed properly.

Depth of Work

There are locations where the sewer line will have to be quite deep – up to 3.5 meters (11.5 ft) at its deepest.

Old Meets New

The existing sewer forcemain will remain operational until all installation and testing of the new system is complete.



WATERFRONT SEWER UPGRADES

QUICK FACTS

A vital piece of the City of Campbell River's three-year Waterfront Project will never be seen once construction is complete. Sewer upgrades will provide services for decades to come and allow for projected growth in the community.

WHAT?

Replacing the existing forcemain and pump stations between Lift Station No. 7 (Simm's Creek) and Maritime Heritage Centre.

WHERE?

In 2018, the first stage will be completed between 1st Avenue and Maritime Heritage Centre, beginning at the north end. The rest – from 1st Ave. south to Lift Station No. 7 (Simm's Creek) – will be done in 2020.

WHO?

Engineers from Stantec Consulting are leading the design for the project. The RFP for construction will be issued in mid April, 2018.

WHEN?

Construction is expected to begin in June 2018 and last through the summer. Two-lane traffic will be maintained as much as possible. Work will be completed during regular work hours.

WHY?

The existing wastewater services were constructed in the mid-1970s and are due for replacement, both to reliably continue existing service, and to enable growth in the community.

HOW?

This summer, a trench will be dug primarily on the west side of the roadway, and a gravity sewer pipe will be laid roughly 1-3.5m below grade. Repaving and road improvements will be completed once the underground infrastructure is installed.

