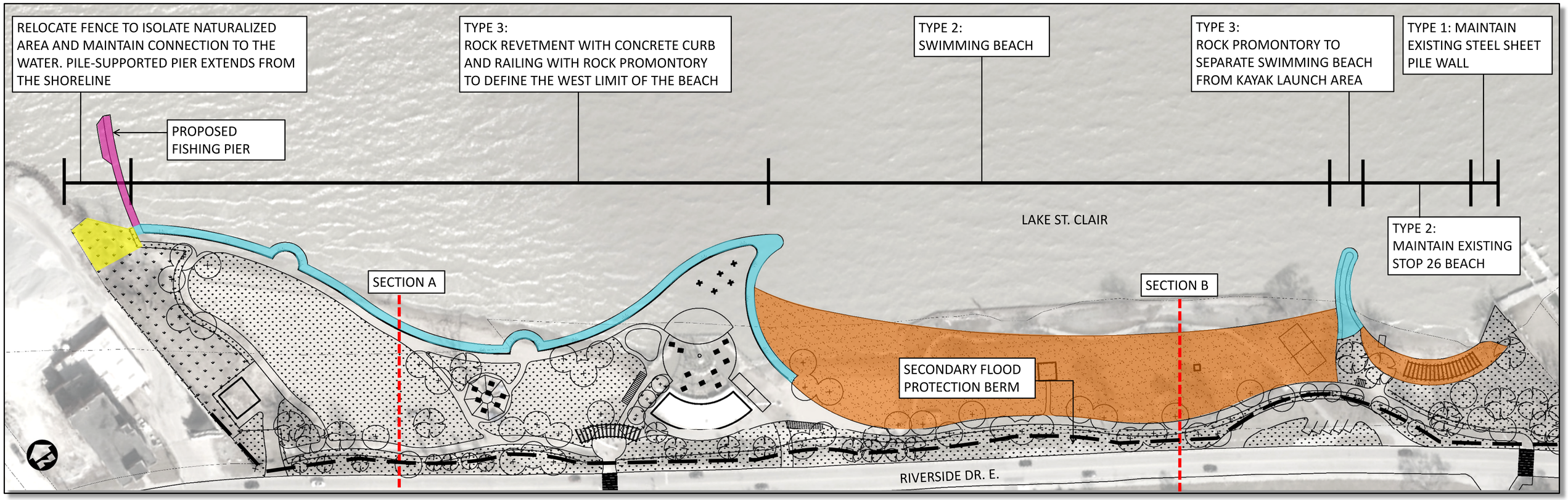
Preferred Solution

Shoreline Improvements - Plan

In an effort to address the objectives outlined in the project's Problem/Opportunity Statement, the Project Team has developed a scope of shoreline improvements for Sandpoint Beach Park, as depicted below. The Preferred Solution incorporates all 3 shore protection alternatives that were considered, with each used in locations that maximize their individual advantages.



Legend

- SECONDARY FLOOD PROTECTION BERM
- BEACH AREA
- ROCK REVETMENT
- PROPOSED FISHING PIER
- NATURAL AREA

The primary considerations used in developing this plan included:

- Restricting direct access to the lake for the entire shoreline within 250 metres of the neighbouring deep-water area.
- Maintaining access to the neighbouring deep-water area for anglers via a pile-supported fishing pier.
- Establishing an accessible, undivided swimming beach with as much lake access as currently exists.
- Maintaining the historic Stop-26 Beach as a dedicated kayak launch area.
- Maintaining a fenced-off connection between the lake and the naturalized buffer area at the west limit of the site.

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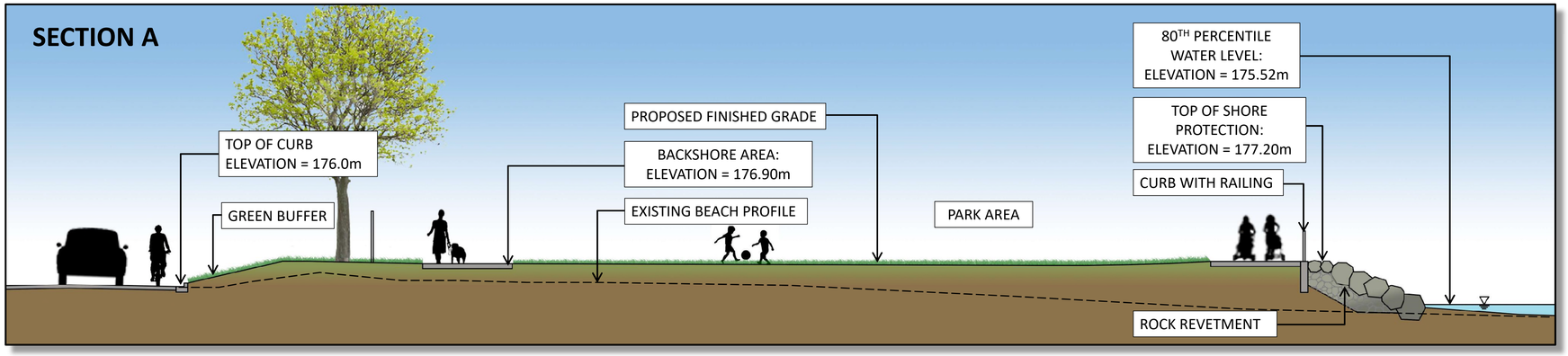
Preferred Solution

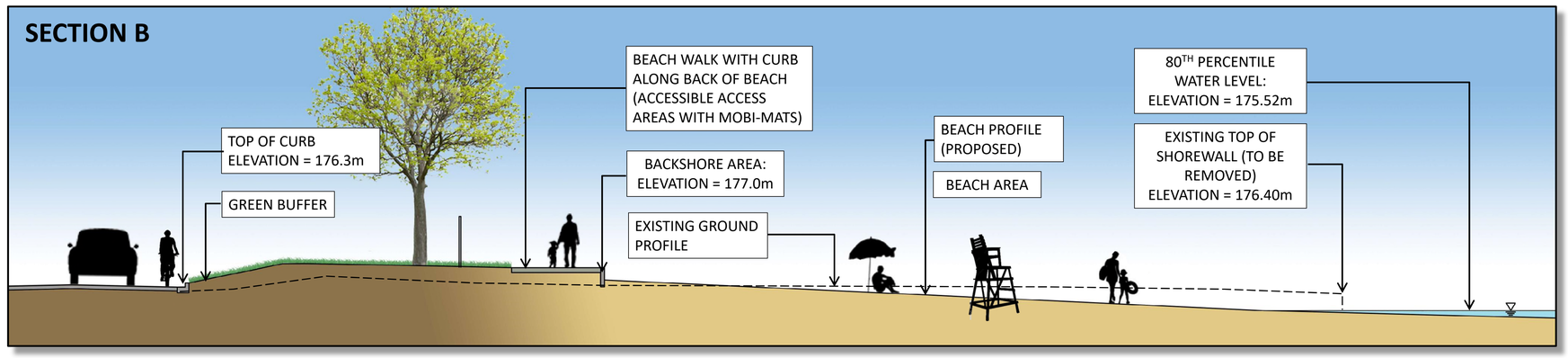
Shoreline Improvements - Sections

The cross-sections of the site depicted below are intended to illustrate the general configuration and function of the proposed shoreline works with respect to the upland areas of the park.

Flooding and Erosion Protection Considerations:

- The inland areas of East Riverside are currently protected from flooding via the barrier landform along the Ganatchio Trail (south of Riverside Drive, top elevation = 176.80m).
- A continuous barrier landform with a top elevation of 177.20m (minimum) will be established across the study area (along the shoreline and continuing along the back of the beach) to prevent flooding on Riverside Drive.
- It is anticipated that minimal stormwater management will be required on-site, with most wave splash and runoff outletting directly to the Lake.





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