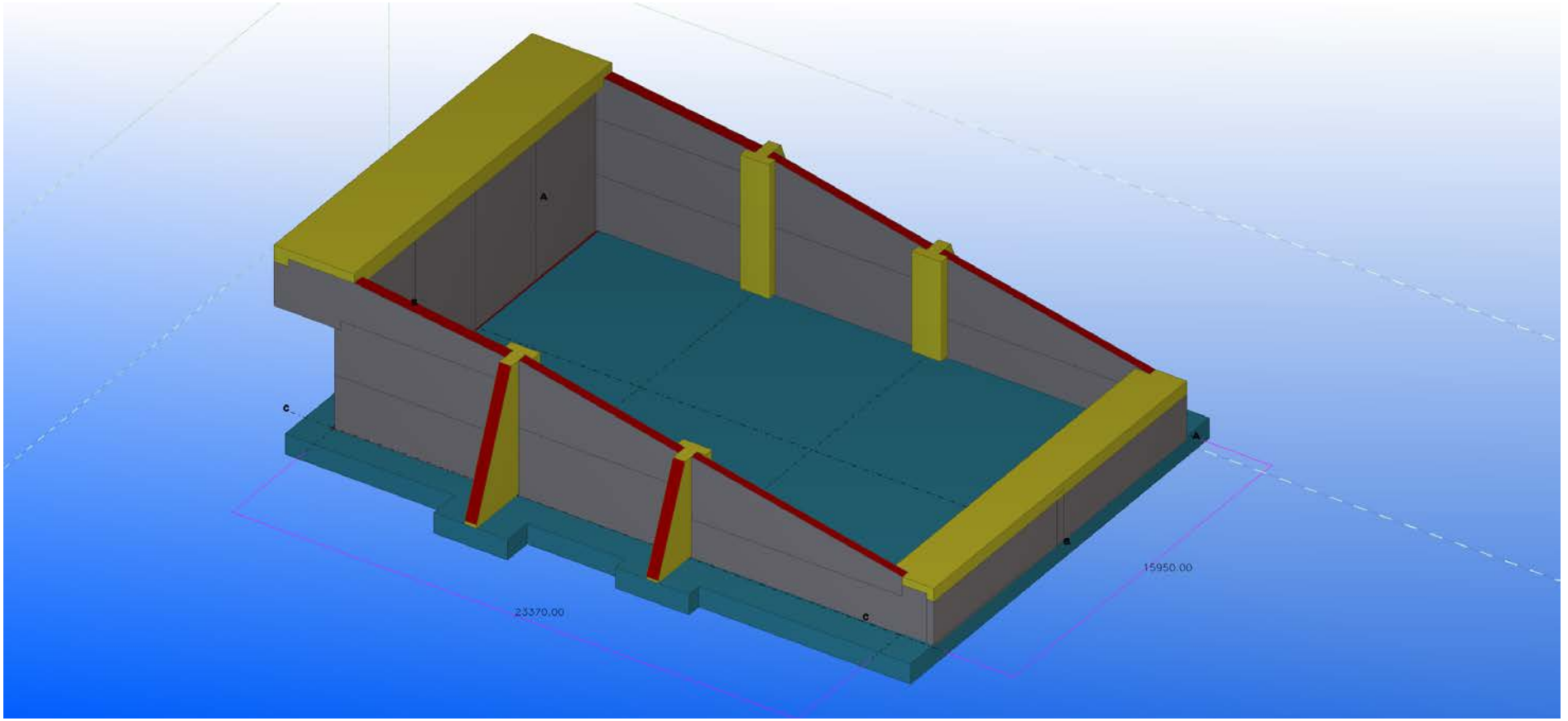
Case Study – Intake Structure

Intake Structure – Ft McMurray
23M Long x 16M Wide x 7M Deep
77’ Long x 53’ Wide x 23’ Deep



Case Study – Intake Structures

A customer required an alternative to a large **cast-in-place (CIP)** intake structure designed to be completely submerged in water. Due to the **environmental sensitivity** of the project and the need to minimize disruption to the lake, Lafarge proposed a **precast concrete solution**.

Solution: Lafarge recommended an **emulative precast system** that combined **precast concrete columns, beams, and floor slabs** fabricated off-site. This method offered several key advantages:

Minimized lake disruption through reduced on-site construction activities

Accelerated installation, cutting down time compared to CIP construction

All-weather capability for winter work

Long-term durability with resistance to fire, insects, and mold

By using precast elements, the structure was completed in a **fraction of the time** required for CIP, reducing environmental impact and ensuring compliance with project constraints.

Contact your Lafarge representative,
Call 780-485-4500
www.lafargeprecastedmonton.com

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