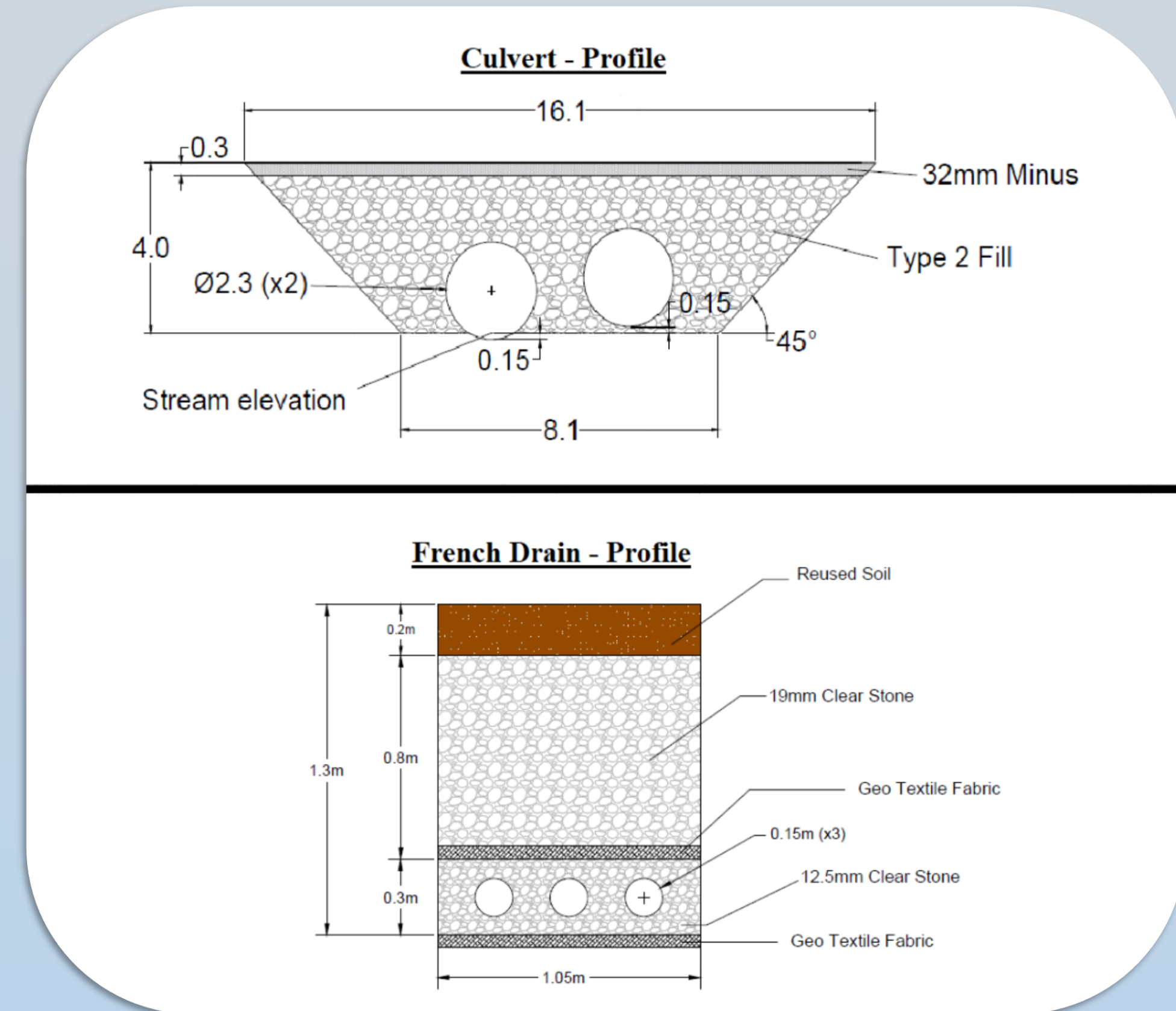


Pow Wow Site Development

for

Kingsclear First Nation

Flood Mitigation



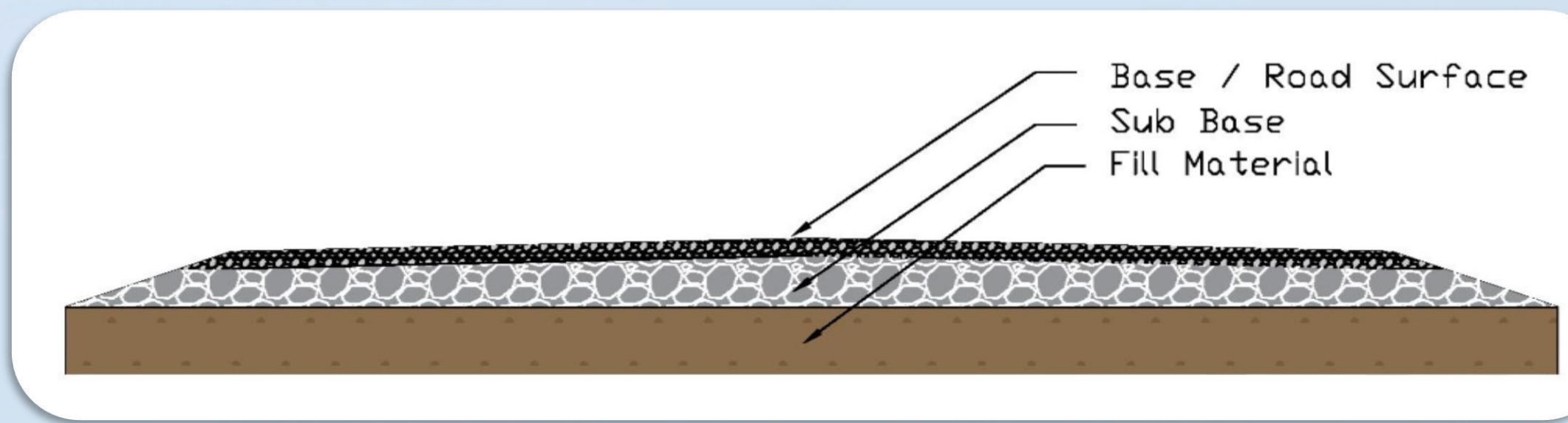
Culvert Design

- Design Q = 50m³/s
- Replaces failed existing culvert
- Both culvert 20 m in length

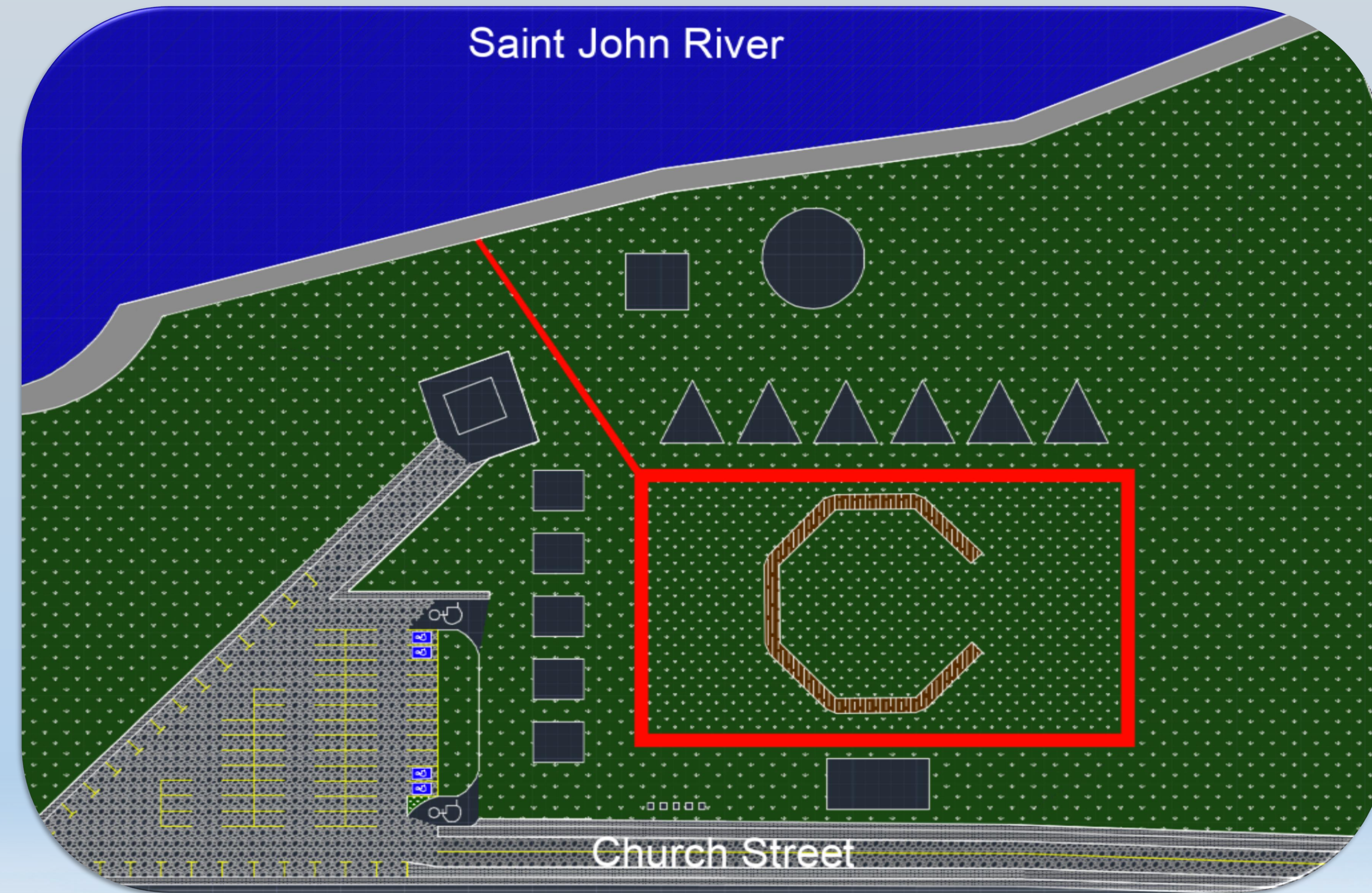
French Drain

- 320 m total linear length
- Accommodates increased site runoff
- Maintains site aesthetics

Access Road



- Exists as an extension of Fish Hatchery Lane
- One Km in length
- Three layers of high strength construction material
- Chicane reduces speed and navigates topography
- 3:1 side slopes for lateral strength and increased user safety
- Improved safety from the addition of the new access road



Project Overview

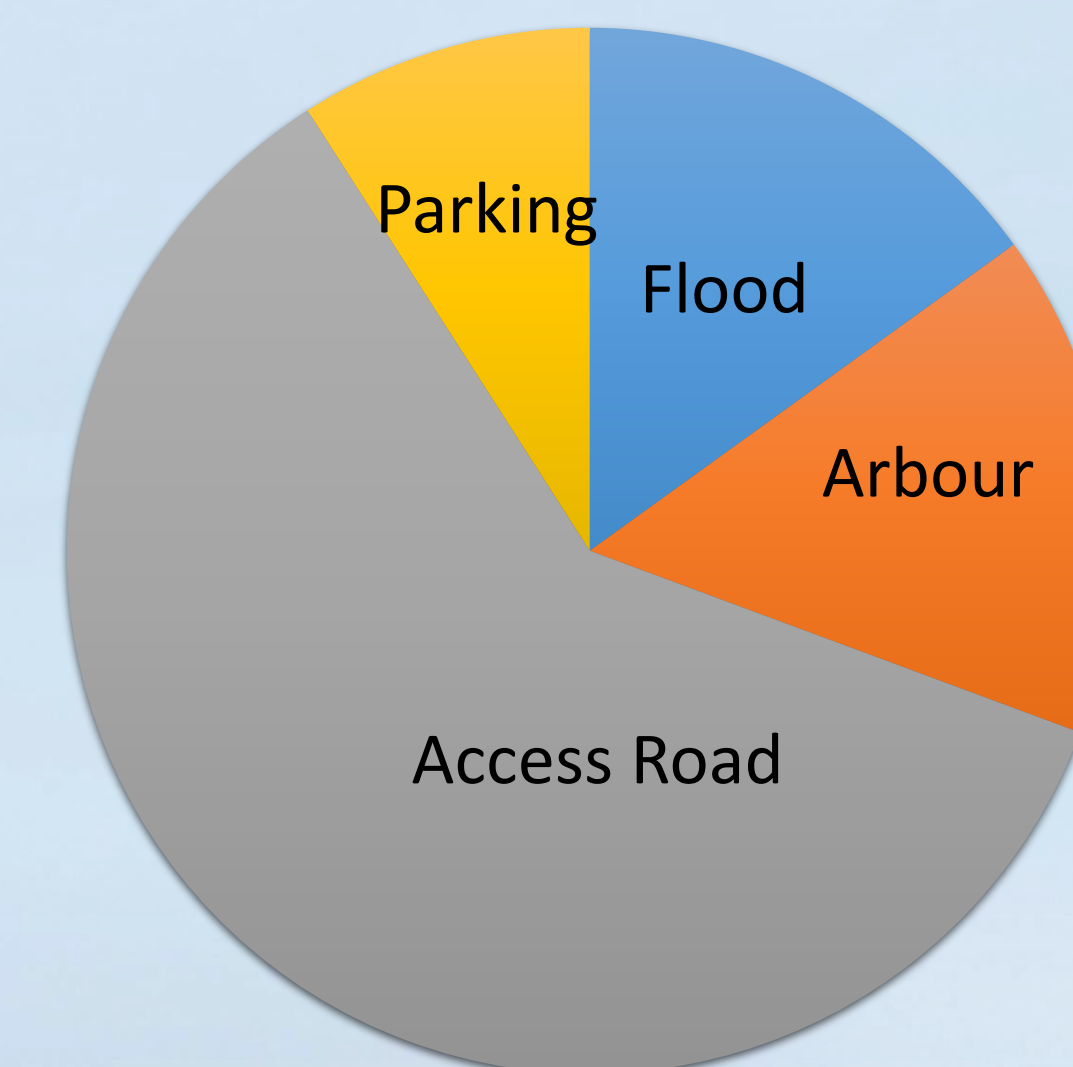
Scope: Flood assessment, structural design of an arbour, new access road, expansion of current parking lot, site layout design, site drainage, and a culvert replacement.

Location: Kingsclear First Nation, NB (45.957079, -66.855277)

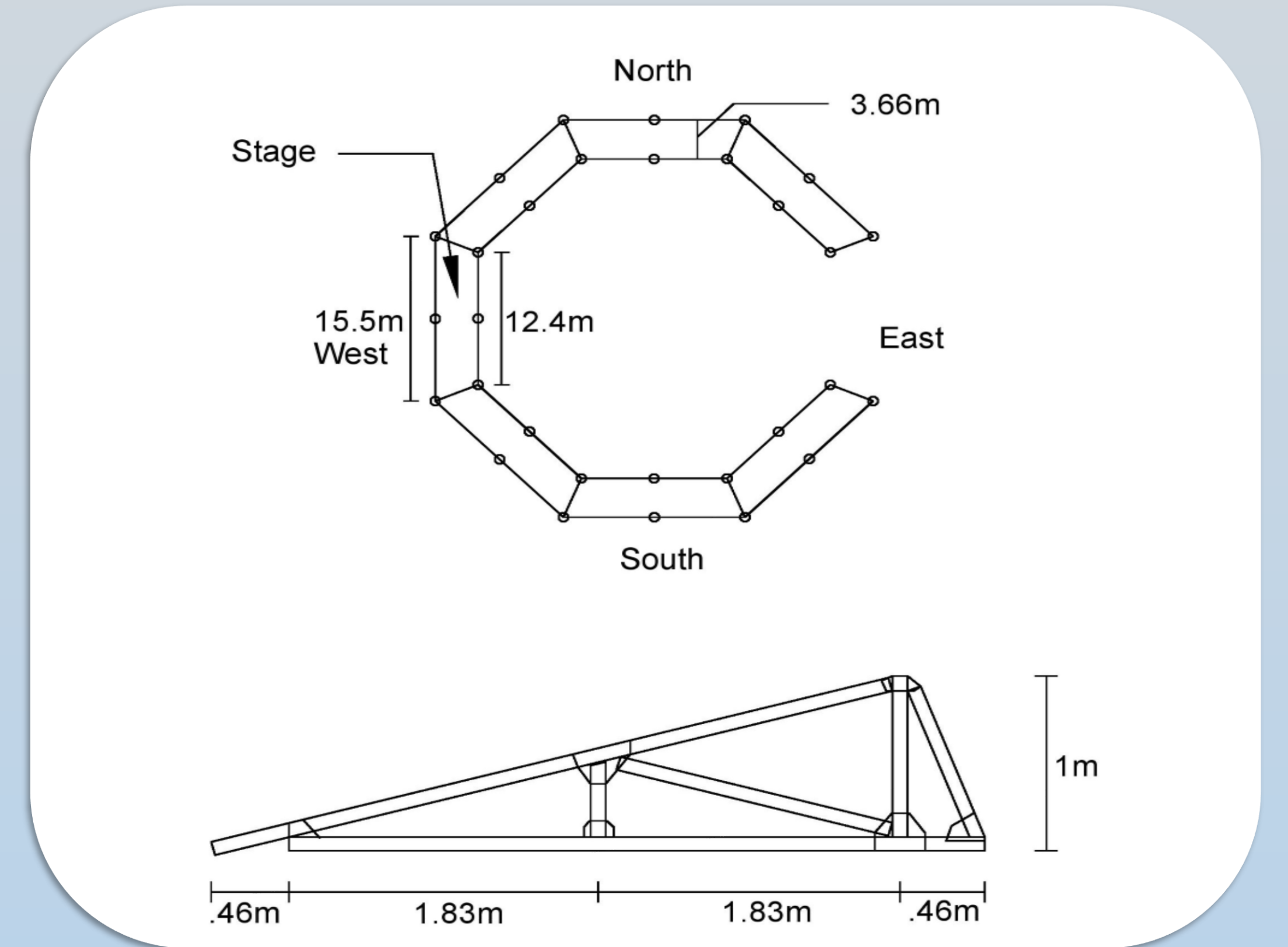
Site Features:

Designed to accommodate 15 vendors`
Includes location for elders' tent
Includes medicine tent and continual fire
Site has been designed to withstand annual flooding

Total Costs (Lifetime) per Aspect	
Aspect	Cost \$
Flood Mitigation	\$204,000.00
Arbour Structure	\$211,500.00
Access Road	\$817,000.00
Parking Lot	\$123,000.00
Total Project	\$1,356,000.00

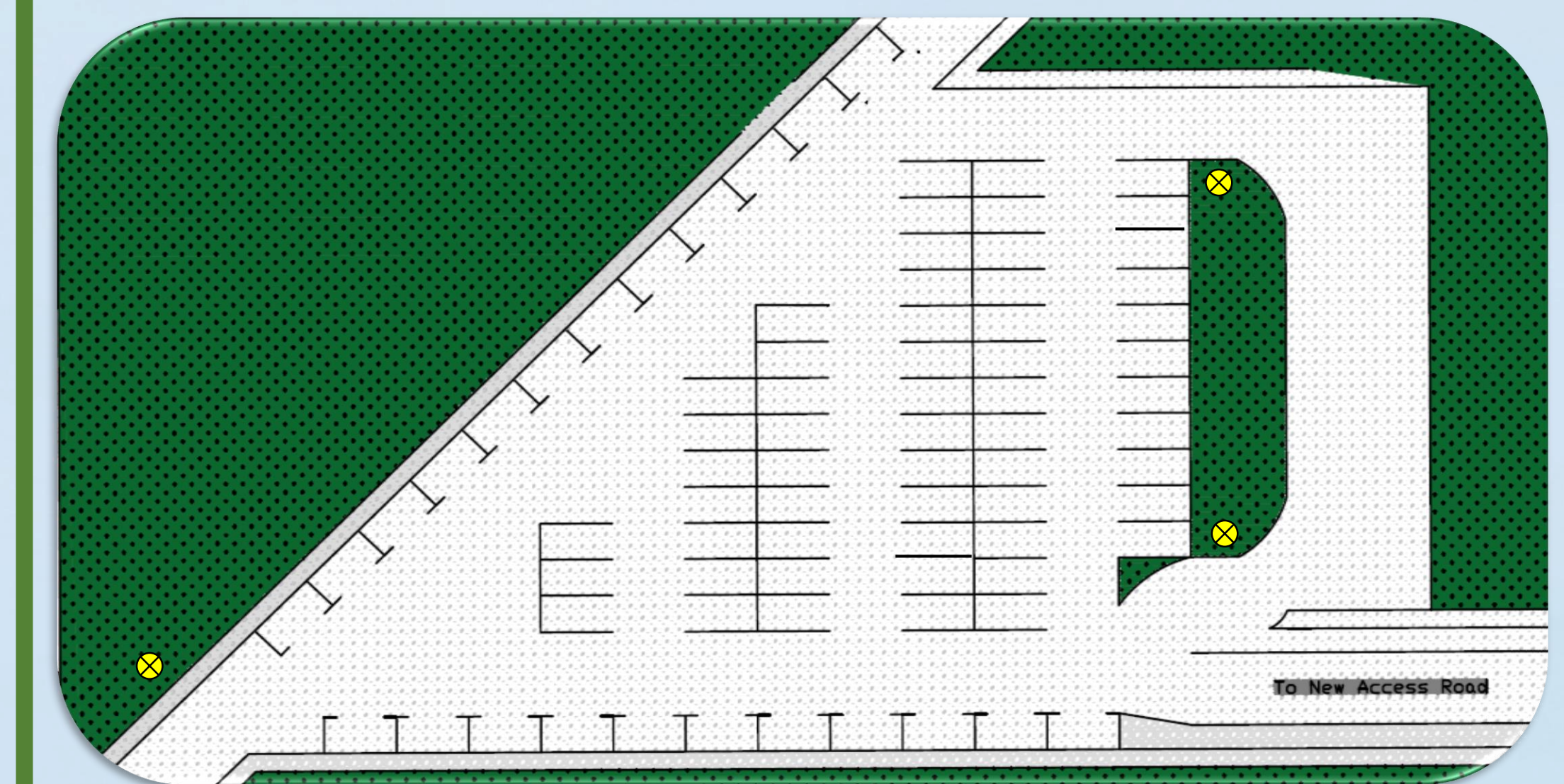


Arbour



- Seating available for 500+ people
- Structure open to the East for spiritual purposes
- Stage incorporated into the Western section of the structure
- Designed in accordance with NBCC 2015
- Utilized guidelines of CSA O86
 - Wood Design Manual 2017

Parking Lot



Expansion of the current parking lot to accommodate future growth, featuring:

- 79 parking spaces
- Overflow parking on road
- 'Dark Sky' friendly lighting
- Emergency and commercial vehicle route