

RESERVOIR

WILLIS STREET WATER RESERVOIR FOR FIRE FIGHTING

MCKEE FEHL, WELLINGTON

In September 2016, Kliptank installed a covered 76,000 litre 4.60m high tank inside a Wellington building as a water supply for the building fire system.

THE SPECIFICATIONS OF THIS TANK ARE:

- ◆ Capacity 76,000 litres
- ◆ 4.58m diameter
- ◆ 4.60m high
- ◆ Covered tank
- ◆ Tank accessories included a sight glass, level indicator, base drainage, air vents, access ladders and multiple fittings for location of monitoring gear and probes

McKee FehL is undertaking the challenging project of creating a mixed office space/retail/food and beverage destination at the former Community House, at 84 Willis Street, Wellington.

As this site was landlocked, McKee FehL purchased 78 Willis Street in order to demolish it and create laneway access to 84 Willis Street.

With limited access, Kliptank engineered an eloquent solution for the new project to provide water storage customised to the restricted height, footprint & limited access.

The tank at 4.6m high was built in two sections which meant no heavy lifting machinery was required to get into the tight space as the individual lightweight components could be lifted into place by hand.

The Kliptank team installed the tank on a concrete base while coordination of other construction activities was going on in only 2 days.

The tank had been erected and some of the normal onsite jobs had been completed before the tank was dispatched meaning our team only required minimal hand tools to complete the onsite install. They could walk to site each day easing congestion on the busy worksite.

Kliptank Engineers, Kirk Roberts in Tauranga, provided additional elements to ensure the tank met the Importance Level requirements for the project.

Details of the ambitious project can be found on the website at www.mckeefehL.co.nz. The new complex will be open to the public in early 2017.

CLIENT: McKee FehL, Wellington
CONSULTING ENGINEER: Matt Fraser & Patrick Weber
McKee FehL, Wellington

The series of photos shows the construction process and the workings of the Kliptank.



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