

Pre-Cast Concrete Tank Manways for access

Brand imagery can be downloaded
from our image library [here](#)



Issues: Typical Access and Egress into Tank



Typically access into concrete tanks were via access installed on bridge/ walkway floors or via gates and ladder supports incorporated bridge/ Walkway Handrailing

Access Hatch/ Gate Issues

–
No access around access hatches when open

Opens up the risk of falls from height

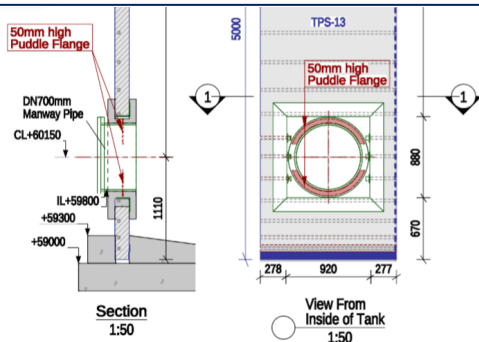
Issues with weather these hatches are compliant, jailbars, spring assisted etc.

Awkward manual handling of ladders as they have to be carried up stairways and dropped through hatch or offered out to ladder support

Footing of ladders not ideal on sloped tank bases

Emergency escape with davitt arms can be slow and require a lot of force to lift stretcher

Alternative Solution – Cast In Access Manway



Access manway cast into precast panel similar to Pipes

General size is 700mm diameter but size can be increased

700mm manways can only be installed in pre-cast tanks with a diameter of 7m or above

Bolted closed during normal operations

Benefits –

Eliminates the fall from Height Risk

Eliminates need for carrying ladders to the top of bridges

Allows a standard stretcher to pass through, enabling an easier and quicker emergency escape

Note: Manways also available on glass lined IIT Tanks

Thank you.

