

R019 THE GAP RESERVOIR REHABILITATION PROJECT

PROJECT SUMMARY

Client: Queensland Urban Utilities (QUU)

Location: The Gap, Brisbane

Duration: 3 weeks

Value: \$ 100,000

Major Challenges Overcome:

- Integrity of the reservoir
- Access



The Gap Reservoir, The Gap

The Project

The Gap Reservoir is located on Woodbine Street, the Gap, Brisbane. The Reservoir capacity is approximately 9 ML.

The reservoir was designed in 1963, and constructed in 1964. Access and appurtenances were installed in 1976. During a severe storm in 2008 the roof collapsed, subsequently the roof, support columns and access ladders were replaced.

The repairs were part of the five yearly maintenance program.

Program

The Reservoir rehabilitation works commenced on 22nd February 2016 and was substantially completed on 10 March 2016.

Project Scope

The project included the following repairs/works:

- Re-bar replacement
- Concrete repairs
- Flexible cementitious anti carbonation and water proofing coatings.
- Sika Combiflex joint repairs
- Abrasive blasting (overflow pipe)
- Recoating overflow pipe
- CCTV Camera inspections

Completed Works

The following work was successfully carried out:

1. Reinforcement bars replacement 18m.



2. Concrete Repairs – 32 No. repairs on the internal reservoir wall with a .



3. Sika Combiflex Joint Repairs 9m.



4. Abrasive Blasting



5. Coating the overflow pipe 15 m²

