

Site Inspection Record

Project Number	520969	Date	7 March 2023
Project Name	Ex Napier Prison	From	[REDACTED]
Client	LINZ	Total Pages	3
Weather	Fine		

SUBJECT Retaining Wall Inspection

General

An Aurecon Engineering Geologist visited the Ex Napier Prison site on 3 March 2023 to inspect the condition of the existing retaining walls following Cyclone Gabrielle. The Cyclone brought heavy rain and strong winds to Napier on 13 and 14 February 2023. 22 retaining walls at the site had been previously identified and assessed by Aurecon prior to the Cyclone.

The current lease holder was present on site at the time of inspection.

Site Observations

- The retaining walls appeared in a similar visual condition to previous inspections.
- The slope above the site access driveway and retaining wall RW6 had released minor rockfall onto the top of the wall and driveway. Most of the debris was retained at the top of the wall (Photo 1). The rockfall boulders were approximately 100mm to 400mm in diameter.
- Tension cracks were observed above retaining wall RW10, approximately 400mm back from the top of wall, and approximately 50mm wide (Photo 2). These cracks appeared similar to those observed during the previous inspections.
- Retaining wall RW10 had an area of seepage approximately 2m up the wall in the rear yard (Photo 3).
- Several areas of the site had been fenced off to prevent the public from entering the areas directly beneath the retaining walls.
- Retaining walls RW19 and RW20 had several areas of damage where the sandstone wall facing had dislodged from the wall, exposing the material behind the wall (Photo 4). However, these walls appeared in similar conditions to previous site inspections.



Photo 1 – Rockfall debris above RW6. Photo taken 03.03.23, looking west.



Photo 2 – Tension cracks behind RW10. Photo taken 03.03.23, looking southeast.



Photo 3 – Seepage from RW10. Photo taken 03.03.23, looking west.



Photo 4 – Section of damage at RW19. Photo taken 03.03.2023, looking west.