CULTANA TRAINING AREA (CUTA) ROAD REMEDIATION

Location
Whyalla SA

Client
Department of Defence (Aurecon)

Commencement Date
August 2022

Completion Date
June 2023

Contract Value
$8.5M

Overview

The primary scope of work for the Cultana Road Remediation project is a 5.5km road through hilly terrain to connect Sentry Point 1 with Sentry Point 2, a vital access route from the entry to the training area. The site is situated in the Australian Army Cultana Training Area adjacent to Lincoln Highway and Port Bonython Road, Whyalla SA. The project included heavy duty culverts and a heavy-duty floodway, suitably trafficable by a fleet of Defence vehicles. Due to the hilly terrain, arid climate and variety of natural materials, the use of large swales with consistent rock checks have been installed throughout the length of the road.

Onsite quarry works were utilised to produce the subgrade material that was used throughout the bulk earthworks phase of the project.

Scope of Works

- Bulk import of 52,000m3 to build up road levels
- Installation of 6 heavy duty precast culverts including headwalls and scour protection
- 5.5km of unseal road installed and 70m of concrete floodway
- SCE are quarrying general fill on-site and placing to design subgrade levels as per contract specification
- Import & place pavement materials 170mm subbase & 200mm wearing course as per contract specifications
- Construct multiple swale drains, cut off drains and over 100 rock check dams to prevent scouring
- Installation of road furniture and sustainable fencing

Achievements

- The project was delivered achieving ‘zero harm’ in all aspects relating to health, safety and environment. This project was completed on an active training area and through constant communication with the RCO around deconfliction, the project was successfully delivered without disruption to the training personnel.
- WSU Civil were commended on installing 200m of farm fencing, sourcing alternate posts made from sustainable plastic.