

ULLADULLA HIGH SCHOOL UPGRADE, STAGES 1 & 2



Overview

This project was awarded over two (2) stages and 16 milestones. The site is within the existing school grounds situated in the middle of a residential area with a new three (3) storey building. A number of existing buildings needed to be fully and partly demolished and a number of existing buildings required renovations and extensions with all the works to be completed whilst the school is fully operational.

- Stage 1: Split into nine (9) milestones with each milestone handed over to the school for use when complete. The new three (3) storey building was built over a creek following the removal of approximately 60 trees.
- Stage 2: Split into seven (7) milestones and as each renovation/refurbishment was finished it was handed back to the school for use.

Structure

The structure of the new three (3) storey building, lift and Block E extension was principally reinforced concrete ground slabs, concrete columns and beams to suspended slabs with structural steel framing to upper levels and roof structure, the building envelope consists of brickwork to top of windows with Colourbond metal cladding over the top, the roof is clad in Colourbond metal roofing.

The structure of the renovated buildings, lift and extensions to Blocks A, B and G was principally reinforced concrete ground slabs, steel columns and beams to suspended slabs with structural steel framing to upper levels and roof structure, the building envelope consists of existing brickwork buildings with aluminium curtain walls to extensions, the rooves are clad in colourbond metal roofing.

All windows are natural anodised aluminium with the internal linings in pin board and plaster; floor coverings are in carpet and vinyl with all areas fully furnished.

The structure to the walkways is from hot dipped galvanized steel with Colourbond roofing.

Services

The services to all buildings were extensive and required new gas and water mains from St Vincent Street to all blocks including the new three (3) storey building. The construction also required a new substation and associated works for power.

Power was run from Block C with the communications from Block B running through the existing school grounds for Stage 1. As part of Stage 2, a new main switchboard was required in Block C with the communications and data from Block B running underground through the existing school grounds, and a myriad of in-ground services were located following demolition requiring relocation to accommodate the new construction.

A new security system to all new and renovated buildings including a fire detection system was installed.

Site Restrictions

Access to the construction areas was very difficult as the school was in full operation. Safety barriers were erected around each construction area with constant liaison between the school Principal and the Site Manager, the cooperation between the school and the builder ensured the project was completed both safely and on time.

Construction of Block Q over a creek required extensive engineering and the removal of trees. To facilitate this, construction was executed out of school hours for safety reasons.

Fenced access was required for students to enter Block C and H through the construction site and all demolition work was required to be executed out of school hours for safety reasons as were all works associated with the running of services through the school grounds.

Time & Performance

The project was delivered on time despite the fact of a very wet and windy climate in Ulladulla. The project was also completed within budget and both the original scope and requested additional works were completed within the timeframe.

Client

NSW Department of Commerce
Rod Stewart
Principals Authorised Person
P: 02 4421 3277

Value

Stage 1: \$9.4m
Stage 2: \$5.3m
Total: \$14.7m

Construction Period

Stage 1: July 2006 to January 2009
Stage 2: July 2009 to August 2011

Location

Ulladulla, NSW