**WC1503181 – Interim Infrastructure Solution for H145, Akrotiri**

The works are to be carried out in the area inside and around RUBB hangar, building no AK1567

**Phase 1:**

The construction of a new telecommunications pit and duct system (Circa 10.00m), for the provision of telecommunication cables from existing pit into new entry pit that is to be located by the NER (part of the prefabricated buildings to be provided in phase two), outside the RUBB hangar.

**Phase 2:**

Prefabricated Buildings

The prefabricated buildings will comprise self-supporting wall and roof coverings manufactured with a non-combustible mineral wool core, enclosed by two slightly modulated steel sheets. These will provide one-hour fire resistance. The internal clear height of each building will be 2700mm. The buildings will be supported on reinforced concrete strip footings.

* POL store (4.0x3.0)
* Bonded store (8.0x3.0m)
* NER and Quarantine store building (8.0x3.0m)
* Tool Store (8.0x3.0m)
* Bulky Store (8.0x3.0m)
* Admin Office (8.0x3.0m)
* Battery Bay (8.0x3.0m)

Storm water channel

Grating covers will be provided along the rear (east side) and along the south side of the hangar to an existing storm water channel (Circa 75m).

New substation

A new substation will be provided to the north of the RUBB hangar. A modular housing unit providing 1-hour fire-resistance to accommodate the new electrical sub-station., as ‘Fortress’ type by Glasdon buildings or equivalent.

* Size: 7000mm x 6000mm x 2500mm height. The front elevation to comprise a double door 2000mm wide X 2100mm height centrally located.

This will be placed on top of a reinforced concrete base 0.30m thick, over a crusher-run subbase. A new reinforced concrete access road (Circa 135m2) will be constructed to join the existing asphalt road with the new substation.

Works inside the RUBB hangar

* Bulk Bonded Store Area (10.0x4.0m) – Caged segregation area to be provided.
* Flooring – Repaired and refurbished.
* Emergency Shower.
* New trench from the NER entry pit into the RUBB hangar for the installation of 3no Φ100 uPVC ducts.
* Installation of 1no drainage manhole and the installation of a new pipeline.
* Construction of a new water meter concrete pit.
* Supply and install an aluminium weatherproof cabinet for the instantaneous water heater outside the Battery Bay