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TECHNICAL NOTE

PROJECT NAME:	CHRC – Tieri Pump Station Switchboard & Shed Upgrade
PROJECT NO:	PE25.052
DOCUMENT NO:	PE25.052-03-GE-RPT001-2
CLIENT ORGANISATION:	Central Highlands Regional Council
CLIENT:	Marvin Pacheco
DATE:	15 July 2025
SLAB DESIGN DRAWING REFERENCE:	PE25-052-03-CI-DRG002_Ca (Tieri Slab Layout & Notes) PE25-052-03-CI-DRG003_C (Tieri Slab Sections & Details)

Subject: Tieri Pump Station Shed Specification, Including Civil Slab Reference

This technical note confirms details for the proposed 5.7m x 6.5 m shed structure for the Tieri Booster Pump Station and references the supporting drawings.

1. GENERAL PARAMETERS

- The existing shed is to be demolished and disposed of at an approved waste transfer facility.
- The existing aerial, antenna and Ergon Metering Box are to be removed, appropriately stored and reinstalled on the new structure.
- New structure size to be 5700mm width x 6500mm length x 2400mm high at the lowest point.
- Mono pitch roof of between 15°-20° degrees falling to the south.
- Colour – CHRC to confirm with shed contractor.
- One roller door and PA door as described in items 2 and 3 below.
- Standard guttering with 2 downpipes with 90° bend away from shed at ground level.
- Building certification to be allowed for within the shed installation contractor's proposal.

Figure 1: Existing Pump Shed

Figure 2: Ergon Metering Panel & Comms Antenna to be Retained

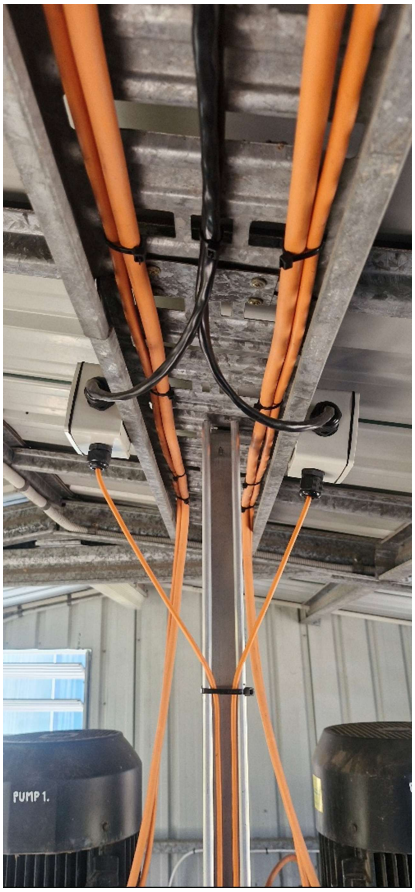

Figure 3: Existing Cabling and Tray to be Reinstated in New Shed

2. PA DOOR QUANTITY AND LOCATION ADJUSTMENT

- The new shed shall include one (1) PA door (820 mm x 2040 mm) located on the North-eastern wall at the 1000mm x 1000 mm concrete landing shown on PE25-052-03-CI-DRG002_Ca.
- CHRC compliant lockset with 3 sets of keys to be included with the PA door.

3. ROLLER DOOR WIDTH AND ACCESSIBILITY

- The roller door shall have a width of 2400mm and height of 2400mm located in the centre of the Northern wall at the ramp location shown on PE25-052-03-CI-DRG002_Ca.
- The access ramp is designed with nominal dimensions to allow flexibility during construction, requiring a minimum fall of 1:100.
- CHRC compliant lockset with 3 sets of keys to be included with the roller door.

4. ADDITIONAL STRUCTURAL ELEMENTS

- Additional mullions (two (2) at 450mm centres) will be required to be installed in the Western wall adjacent to the Switchboard. These will be used to support the externally mounted Ergon Metering Panel.

5. ELECTRICAL COMPONENTS

- All electrical components are to be as per the Prizm engineering design including the cable tray layouts and lighting design.
- Existing infrastructure communications, instrumentation and electrical components are to be carefully disconnected from the existing shed and reinstated per the designs.
- The existing Switchboard is to be removed and disposed of at an approved waste transfer facility.
- External and internal Lighting to be as per Prizm electrical design.

6. CONCRETE SLAB DESIGN REFERENCE

- Slabs for each site are designed in accordance with AS 2870:2011 for Class H soil.
- Designs support clad-frame structures and include specifications for:
    - Slab thickness
    - Edge beams
    - Reinforcement
    - Termite protection
    - Moisture barrier
    - Dowels into Existing Structure
    - Slab Penetration Details
- Reference drawings:
    - PE25-052-03-CI-DRG002_Ca (Tieri Slab Layout & Notes)
    - PE25-052-03-CI-DRG003_C (Tieri Slab Sections & Details)