



# Whitsundays Network Upgrades

8 September 2022

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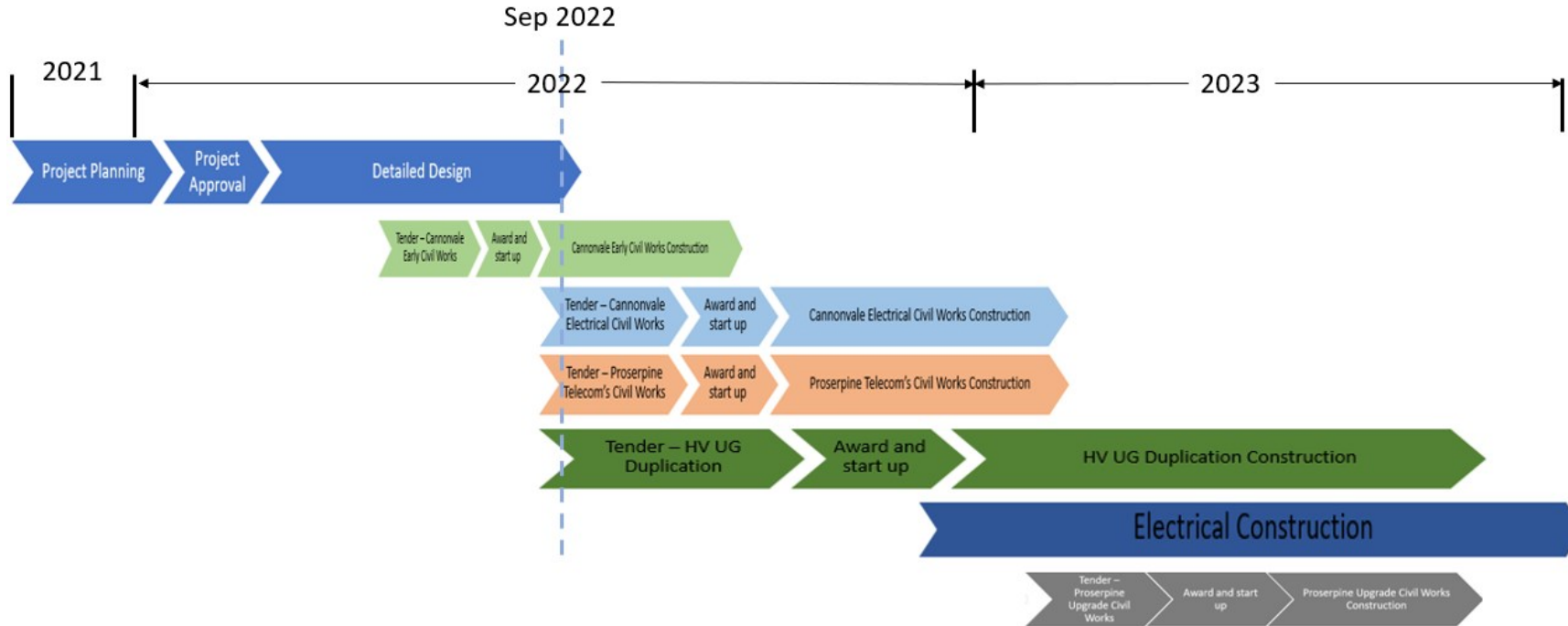
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# Project Overview

- Improve supply for over 8,000 residential and business customers.
- Replacement of aging high voltage plant and equipment
- Improving network resilience by adding transfer capacity at the Cannonvale substation
- Reduction in unplanned outage times with improved fault detection and isolation
- Duplication of key high voltage underground cables (HV UG)



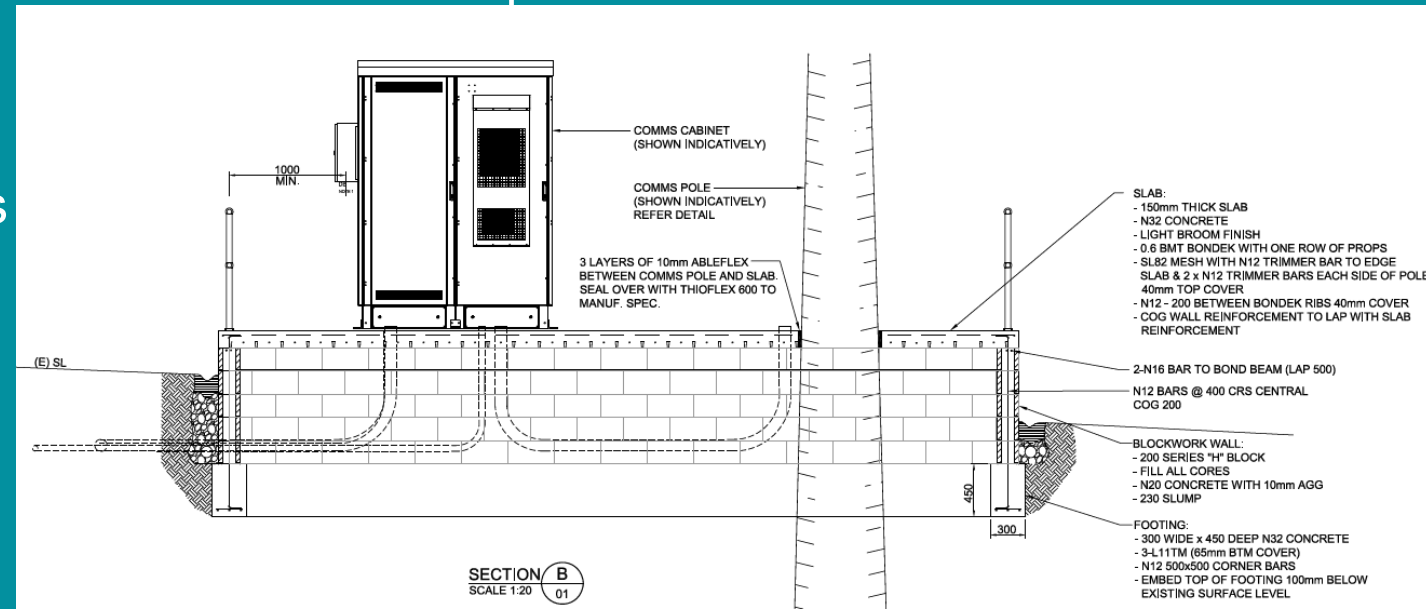
# Project Timeline & Status



- Detailed design 95% complete with final approval progressing
- Site clearing and minor civil works awarded to local contractor
- September & October 2022 will see tenders issued to the market for the Cannonvale electrical civil works, Proserpine telecoms civil works and HV UG Duplication

# Proserpine Telecommunication Site

- Scope of works
  - Construction of new site to house telecommunication equipment
  - Installation of 710m of underground telecoms conduits
  - Installation of 800m of underground fibre optic cable
- Direct Opportunities
  - Package 1 – civil works for new platform, telecoms pole and associated works
  - Package 2 – civil works for telecoms conduit install & fibre optic cable install from the new site to the Proserpine Mill
- Indirect /Support Opportunities
  - Supply of concrete and other materials for civil works
  - Cranes and site amenities sourced locally



# Proserpine Mill Upgrade

- Scope of works
  - Installation of new local supply transformer
  - Installation of a new perimeter fence including security upgrades
- Direct Opportunities
  - Package 1 – civil works for new conduits and transformer areas
  - Package 2 – civil works for a new security fence around the substation footprint including security improvements.
- Indirect /Support Opportunities
  - Supply of concrete and other materials for civil works
  - Tree and vegetation clearing
  - Local accommodation, meals, etc

# Cannonvale Upgrade

- Scope of works
  - Extension of the existing substation site to the rear
  - Installation of a new outdoor switchyard, control building and associated equipment
  - Security and fence upgrades
  - Upgrade of sewer main that traverse the property
  - Entry/exit upgrades from Shute harbour Road
- Direct Opportunities
  - Package 1 (Complete) – Vegetation removal, demolition of existing shed and compound
  - Package 2 (In progress) – Earthworks to level the new construction area.
  - Package 3 – Civil works for new conduits, footings, foundations for the new electrical equipment and installation of new fence.
  - Package 4 – Civil works for installation of new 66kV HV UG cable and civil support
- Indirect /Support Opportunities
  - Supply of concrete and other materials for civil works
  - Tree and vegetation clearing
  - Local accommodation, meals, etc



# Cannonvale Upgrade cont.

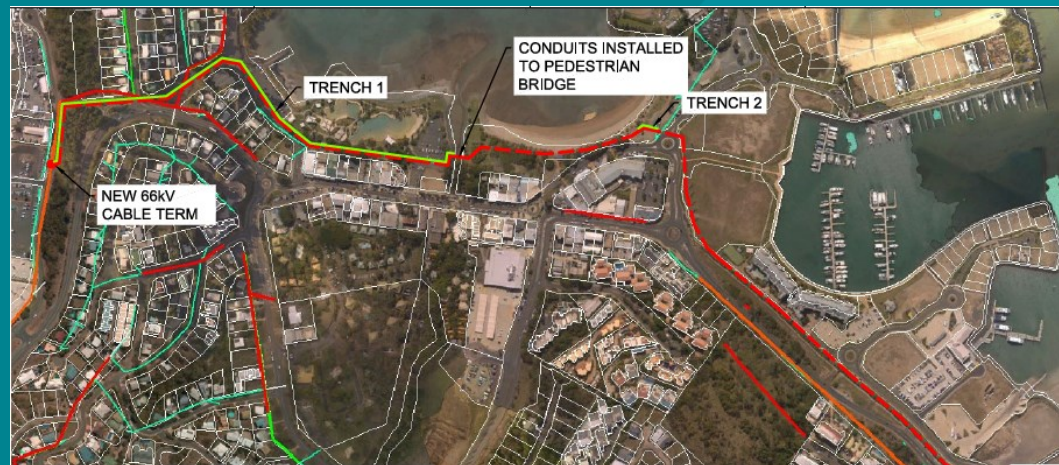
- Indirect /Support Opportunities
  - Supply of concrete and other materials for civil works
  - Tree and vegetation clearing
  - Local accommodation, meals, etc





# Underground Duplication – Airlie Beach Lagoon

- Scope of works
  - Duplicate existing 66kV HV UG cable that runs along the Airlie Beach Lagoon and foreshore area.
- Direct Opportunities
  - Package 1 – Conduit proving, cleaning & stringing of existing conduits – 2.1km
  - Package 2 – Civil works for installation of additional conduits and joint bays (800m + 3 bays) and installation of new 66kV HV UG cable – 2.9km



# Underground Duplication – Airport

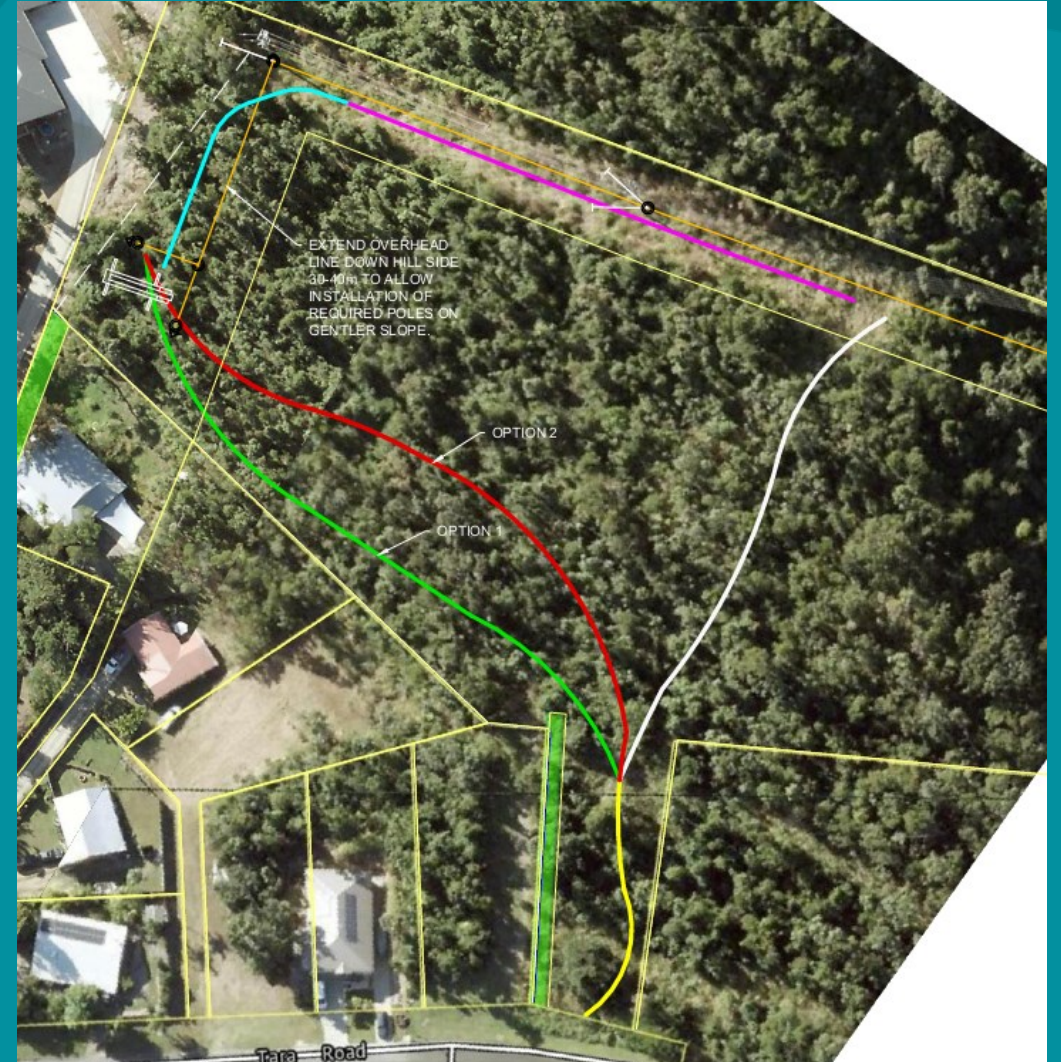
- Scope of works
  - Duplicate existing 66kV HV UG cable that runs under Shute Harbour Road near the airport
- Direct Opportunities
  - Package 1 - Civil works for installation of conduits and installation of new 66kV HV UG cable – 550m





# Underground Duplication – Mandalay

- Scope of works (still in concept)
  - Duplicate existing 66kV HV UG cable that runs down near Tara Road, Mandalay
- Direct Opportunities
  - Package 1 - Civil works for installation of conduits, installation of new 66kV HV UG cable and associated access tracks – 450m





# Underground Duplication – All sections

- Indirect /Support Opportunities
  - Supply of concrete and other materials for civil works
  - Tree and vegetation clearing
  - Crane hire
  - Scaffolding install and maintenance
  - Local accommodation, meals, etc





# Thank You

For more information of how to be part of this project please visit  
the Energy Queensland website

<https://www.energyq.com.au/suppliers>