

Operational Update

EQL Contestable Works Works Plan Standard

Issue # C-0048 – 14/07/2023

Target Audience:

EQL Accredited Service Providers (ASP) – Consultants & Contractors

Introduction:

EQL are providing an update to the Contestable Works Design drafting requirements to ensure they are delivered to both Ergon & Energex consistently by all consultants. This will achieve a common alignment to ensure electrical network is recorded and installed safely and efficiently into EQL systems.

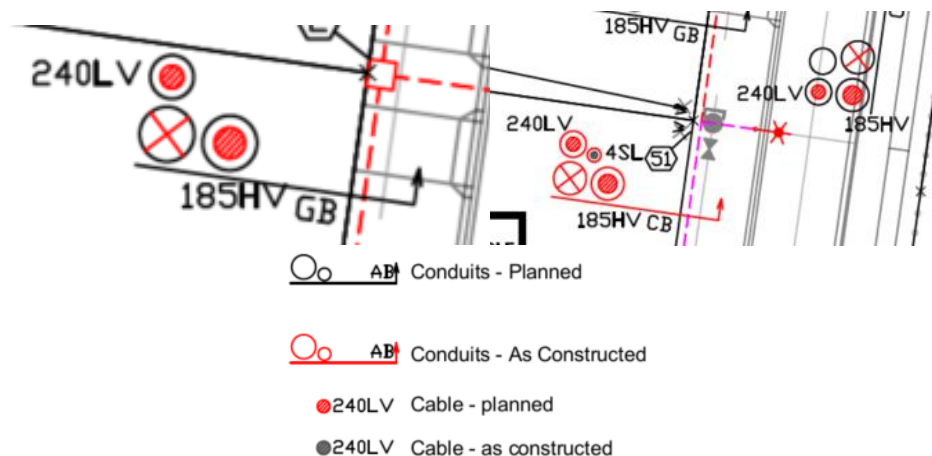
We recognise that some ASPs will need to make changes to their designs or systems to ensure compliance with the requirements set out in this Operational Update.

Works Plan requirements:

The following requirements to works plans are to be implemented by ASP Consultants in their “For Construction” plans submitted to the EQL Contestable Works team. Non-compliance with this requirement may result in works plans not being accepted and delays to the project.

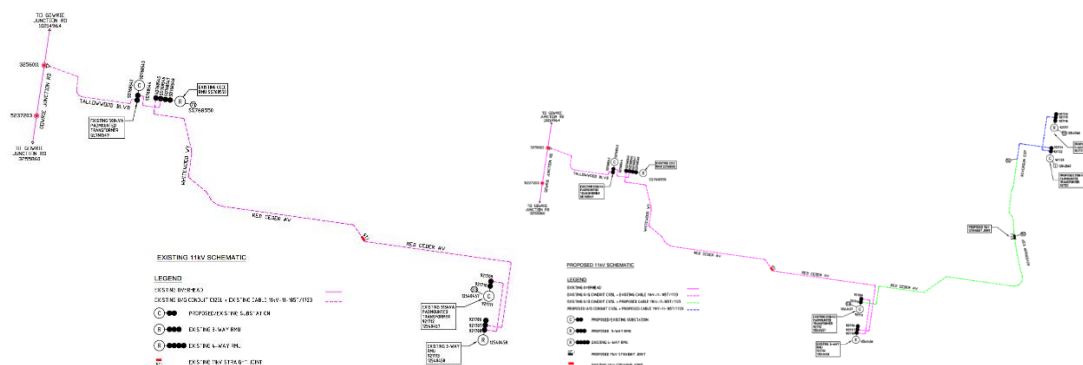
- **Conduit balloons rather than conduit schematics**

Conduit balloons shall be shown on the drawings to clearly identify the proposed and existing conduit cross sections in the trench. Whilst conduit schematics are not compulsory on the construction plan, their addition, in conjunction with the conduit balloons, does assist with understanding the layout of complex conduit routes. Future use (spare) HV conduits shall be shown as a circle with an “X” in the circle.



- **Proposed and existing schematics**

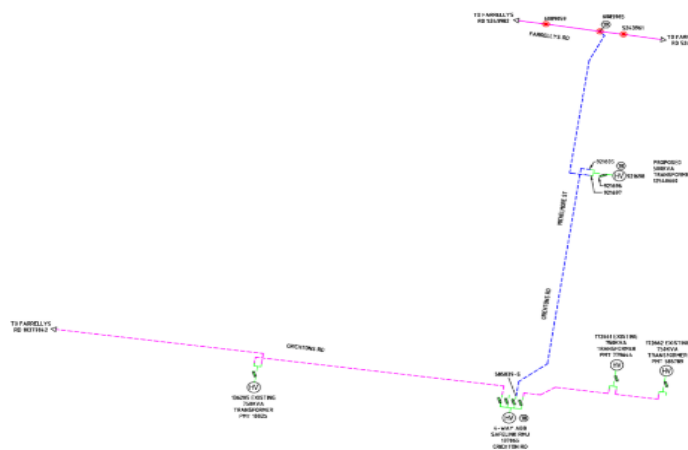
Clear identification of existing and proposed HV/LV network is essential for our crews to safely identify switching requirements when operating the network. This can be identified by a balloon around the proposed infrastructure, or by colouring the proposed infrastructure red to contrast the existing (black).



Note. As with the above examples, LV schematics should be shown as a geographical diagram. Although LV line diagrams provide an overview of the existing and proposed infrastructure, the preferred method schematic shall be developed geographically.

- **Show existing network**

When installing new infrastructure, EQL must have visibility of an appropriate amount of existing electrical infrastructure as geographical reference for systems input and safe switching practices. The recommended identifiers are at least one HV switching asset either side (where applicable) of the connection point into the existing EQL electrical infrastructure. The existing network shall be shown on the schematics to all switching locations, open points, and ends of radials.



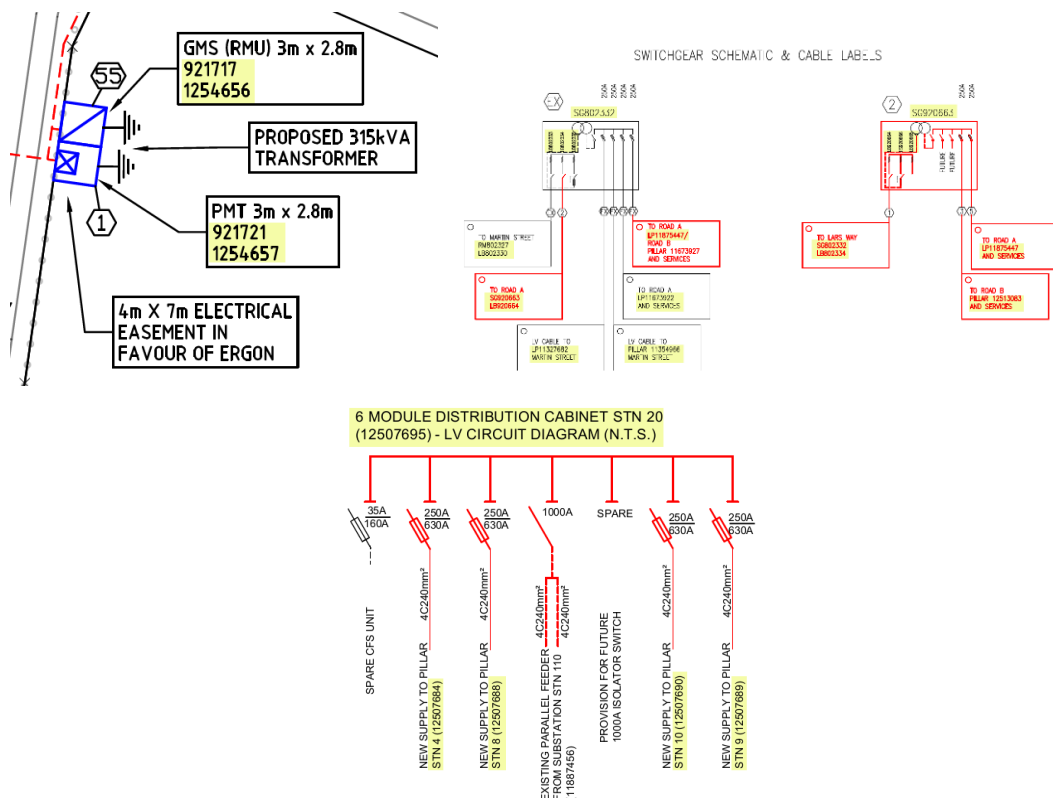
• Labelling for new network

To comply with relevant naming conventions of assets and to ensure field crews can safely maintain our network, please follow **(EX 01969 & EE STNW1176 Standard for Network Labelling and Signage)** and label assets using the site and operational numbers provided in bulk, (*dependant on which area being designed*).

It is essential to ensure the correct number is used for the correct asset, two lists of numbers will be provided to you, 'Site labels' and 'Operational numbers' (*if not already*).

A site label is used for physical location of assets such as poles, pillars, etc. Operational numbers are used for all equipment which may have a switching capacity e.g., Transformers, Air Break Switches, etc. It is a requirement that all operational numbers have a prefix. You can find the prefixing standard within the **(EX 01969 & EE STNW1176 Standard for Network Labelling and Signage)**.

Note: New network will also be identified by the correct colouring convention to align to the EQL Design Standard. All assets must be correctly labelled, HV, LV and internal links within switching assets.



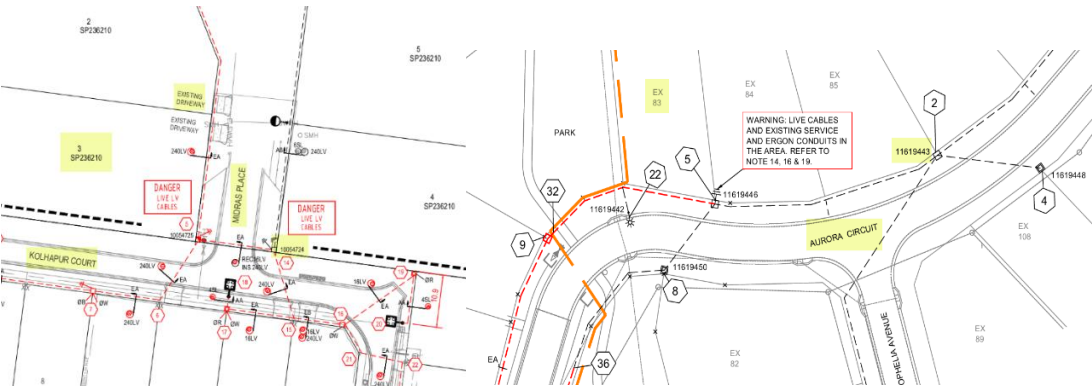
[Standard Network for Labelling and Signage](#)

- Geographic references and street names

To ensure correct asset placement EQL request that all construction plans show reference to an existing geographic reference point such as a crossroad, clearly stating street names.

All proposed subdivisions must also contain correct street names on the construction plan, including new roadways within the planned subdivision. All lots must contain lot numbering. This is to ensure assets are correctly placed and named within EQL systems and physical locations. EQL’s switching system requires a multi factor validation process of operational number and geographic reference to ensure correct infrastructure is operated.

Note. If connecting to a previous stage of the subdivision, please provide reference of that submission. This may be presented in the form of a cover-page with the masterplan of the subdivision.
Assets such as streetlights require coordinate referencing for correct placement as intended by street lighting design.



- Clear reference to associated Headwork/Early Works

If the project requires EQL Augmentation Works (*Headwork / Early Works Project*) the reference number (*Work Request or Project Number*) for the additional project must be included in the construction plan for reference.

Actions that will be completed under the (*Headwork / Early Works*) project which are listed on the contestable construction plan must clearly identify they are being completed as ‘Headworks/Early Works’ and not an action under the contestable project.

110	11088338			RECOVER - ERGON	POLE				ERGON TO BE COMPLETED UNDER HEADWORKS WR1815689
111				RECOVER - ERGON	SBM PIT				ERGON TO BE COMPLETED UNDER HEADWORKS WR1815689
112	1088339			RECOVER - ERGON	POLE				ERGON TO BE COMPLETED UNDER HEADWORKS WR1815689
113				RECOVER - ERGON	SBM PIT				ERGON TO BE COMPLETED UNDER HEADWORKS WR1815689
114	11088343			RECOVER - ERGON	POLE				ERGON TO BE COMPLETED UNDER HEADWORKS WR1815689
115				RECOVER - ERGON	SBM PIT				ERGON TO BE COMPLETED UNDER HEADWORKS WR1815689

- **Final Design Package**

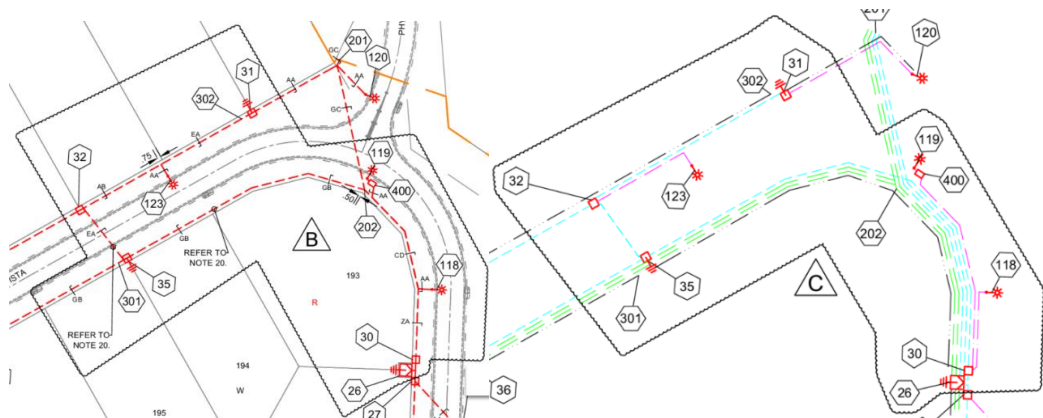
When providing the completed design package of the final approved revision of the construction plan, the updated AutoCAD/DWG/DXF file of the works plan including the proposed electrical infrastructure must be included.

- **Design Revision Changes**

Revision Numbering: All revisions of design drawings shall be identified by a series of sequential letters or numbers. Drawing revision identifiers shall not contain an intermix of letter and numbers where some revisions have a letter, and some revisions have a number.

When providing revisions of drawings, any changes relevant for the current revision shall be captured using clouds around the affected assets. This is to assist with ensuring correct data is captured and uploaded into our systems. If one sheet of a set of drawings is amended/updated, then all sheets in the drawing set shall also be updated to remain consistent.

Note. This will not replace the revision change information being entered in the revision box. The clouds will be additional to this step and only required for the .PDF file.

**Implementation Date:**

These changes are effective from **1st September 2023** for new design submissions, or where there is a new NCEC, SESA or PLSA required.

For more information contact:

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