CitiPower/Powercor Technical Standards Update for November 2020

Please ensure that this information is passed on to all employees and contractors within your organisation.

The following updates are relevant to all technical, field employees and contractors undertaking design, construction and maintenance activities on the CitiPower and Powercor networks.

Technical Standards are available on our new Contractor Portal.

Note: To access the Contractor Portal refer to attached, "New Contractor Portal Access Details"

*All new design and construction proposals commenced after the **11 January 2021** are required to comply with these updates.*

If you have further questions, please contact the relevant team member associated with the published documents.

Standard Category	*Technical Standard*	*Description*	*Overview*	*Impacted Key Stakeholder(s)*
E - Overhead	EB141	Distribution Construction Standard - Pole Reinforcement Systems	Standards updated to include the use of Logsys Reinforcing System on the CitiPower/Powercor network. **Contact: Alan Su (03) 9683 4328**	**DESIGN** **CONSTRUCTION** **MAINTENANCE**

Standard Category	Technical Standard	Description	Overview	Impacted Key Stakeholder(s)
G - Underground	GS021	Distribution Construction Standard - Underground LV Mains and Service - Pits and Pillars	Standards updated to include changes to service pit installation requirements in footpaths and driveways. Also changes to installation requirements of pillars. **Contact: Catherine Tuxen (03) 9683 4338**	DESIGN CONSTRUCTION MAINTENANCE OPTION 2 CONTRACTORS PROJECT MANAGEMENT
	GS201	Distribution Construction Standard - Pit Assembly - Service		
	GS211	Distribution Construction Standard - Pillar Assembly - LV Mains		
V - Distribution Substations	VI040	Distribution Construction Standard - Indoor Substation - Ground Level Specification for Customer	Standard updated to include 1x1000kVA transformer substation standard construction drawings. **Contact: Catherine Tuxen (03) 9683 4338**	DESIGN CONSTRUCTION PROJECT MANAGEMENT
Material Change Advice (MCA)	M7-20	Material Change Advice - Viscount Service Pit Update	Material Change Advice (MCA) regarding Viscount Service Pit with stability rods **Contact: Catherine Tuxen (03) 9683 4338**	DESIGN CONSTRUCTION MAINTENANCE
Permitted Materials	PM020	Pits, Pillars, Signs, etc. - Materials & Suppliers	Permitted Material lists updated to include service pit with fibreglass stability rods **Contact: Catherine Tuxen (03) 9683 4338**	DESIGN CONSTRUCTION PROJECT MANAGEMENT OPTION 2 CONTRACTORS

LEGEND
HIGH IMPACT
MEDIUM IMPACT
LOW IMPACT

EB Series – EB141

Key changes*

Release date: 11 December 2020

**Please refer to official standard for details*

What has changed?:

- Technical Standard EB141 – Pole Reinforcement Systems has been updated to include the Logsys Osmose pole reinforcement system.
- Logsys Osmose reinforcement is a non-invasive system that utilises a banding method of attaching steel trusses to the pole. The Osmose product has been in existence for over 50 years in the USA.
- The current ReinForced Design (RFD) nail reinforcement system is still approved for use.

Why?:

- As a part of the Pole Material Improvement Program, different/alternative reinforcement systems for wood poles were explored.

Logsys Pole Reinforcement System

RFD Pole Reinforcement System

11/12/2020 | Network Asset Management - Monthly Release 1

CITIPOWER

Powercor AUSTRALIA

GS Series – Circular Service Pit and Parallel Pillar

Key changes*

Release date: 11 December 2020

**Please refer to official standard for details*

What has changed?:

- Technical Standards GS021 and GS201 have been updated with changed installation requirements for the circular service pit in footpaths and driveways. These include a larger concrete collar and changes to the crushed rock requirements beneath the pit.
- Technical Standards GS021 and GS211 have been updated with greater dimension details.

Why?:

- Service installations changes are to allow for additional stability features and changes to Material ID 350024 which have been advised in MCA7-20. The stability features and a thicker concrete collar are intended to reduce the chance of service pits moving from the level of the surrounding footpath.
- Changes to pillar standards were requested by the field auditing team to clarify requirements for pillar installations.

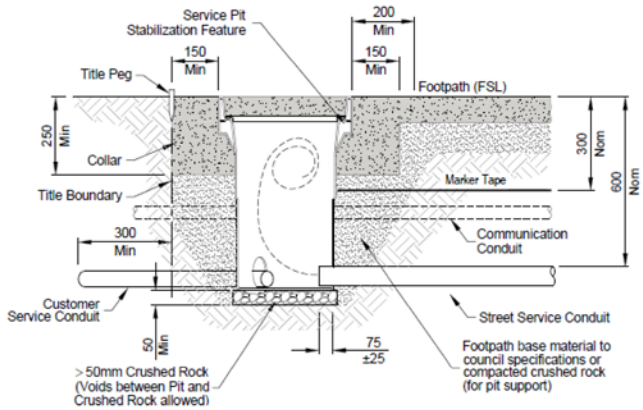

Figure 1 – Standards GS021 & GS201

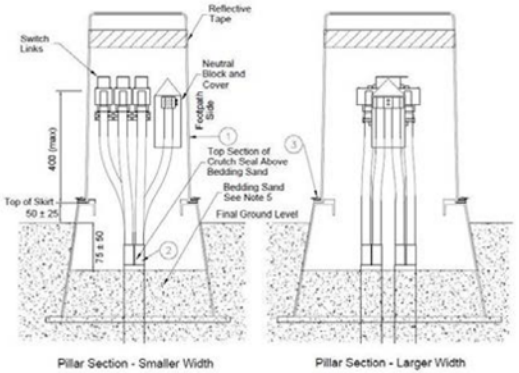

Figure 2 – Standards GS211

VI Series – 1x1000kVA Standard Substation Design

Key changes*

Release date: 11 December 2020

**Please refer to official standard for details*

What has changed?:

- Technical Standard VI040 has been updated to include standard construction designs for a 1x1000kVA substation with both natural and fan forced ventilation.

Why?:

- The Distribution Substation Design team requested that updates to be made to the list of standard construction drawings.

Substation	Room Size (mm)		Substation Location	Substation Ventilation	LV Board Type	Substation Standard & Construction Drawings
1 x 1000kVA	W	3,500	Facing the street to open air	Natural (louvered metal doors)	Stand-alone modular board	**VI040 - Appendix 9**
	L	7,000				
	H	3,500				
1 x 1000kVA	W	3,500	Inside a building	Fan forced ducted to outside air	Stand-alone modular board	**VI040 - Appendix 10**
	L	7,000				
	H	3,500				