

Standards Alert

Subject: Revised Ergon Underground Construction Manual to Version 13	Control Ref No: StdsA448
	Date Issued: 06/04/2019
	Supersedes:
For Policy/Procedure/Manual: Ergon Underground Construction Manual	Expiry Date: 30/09/2019
Originating Dept: Asset Standards:- Line Standards	
Target Audience: EQL / Northern /Southern	

1. Introduction

This Standards Alert is issued to advise of an update of the Ergon Underground Construction Manual to Version 13 following internal and external feedback.

2. Amendments

Appendix A of this Standards Alert provides a comprehensive listing of the amendments made to the construction manual.

3. Update to Manuals

An updated copy of the Ergon Underground Construction Manual Version 13 is available via the Network Distribution Standards intranet site for Ergon Energy staff.

The up-dated manual is available to external service providers via the internet.

Printed copies have not been published for this manual. The Manual is an uncontrolled document when printed from the website.

4. Deployment

Compliance with the requirements of the revised Ergon Underground Construction Manual Version 13 is expected from publication of the manual and this Standards Alert unless dispensation is granted in writing by Energex or Ergon Energy having regard to the circumstances.

5. Further Information

For further information, please contact-

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**APPENDIX A TO STANDARDS ALERT No. StdsA448
AMENDMENTS TO THE ERGON UNDERGROUND CONSTRUCTION MANUAL AS CONTAINED IN
VERSION 13**

Folder	Page Number	Version	Brief Description of Amendments
Assemblies	528	C	Assembly 528-3 Insulating Shroud added.
Assemblies	567	C	“Obsolete Replace with Assembly 599” added to drawing
Assemblies	614	B	Assembly 614-7 Padmounted Substation 1500kVA with Siemens 8DJH RMU 2S1CB & LV Switchgear added.
Assemblies	615	A	New Drawing – 11kV Safelink2 – AF RMU – IAC AF
Trenching	5016	B	Note 5 added: “ <i>This construction shall only be used if there is no other practical / alternative solution.</i> ” Note added: “# <i>This dimension may be reduced to 100mm for gas and stormwater crossings only.</i> ”
Trenching	5017	B	Note 5 added: “ <i>This construction shall only be used if there is no other practical / alternative solution.</i> ” Note added: “# <i>This dimension may be reduced to 100mm for gas and stormwater crossings only.</i> ”
Padmounted Substations	5000-4	C	In Section 6.3 text: “No. 5010 Sheets 1 or 2” has been revised to read: “ <i>No. 5010 Sheets 1.</i> ”
Padmounted Substations	5379	A	New Drawing – 11kV Padmounted Substations – Dual Padmount Transformer Site – Sloping Site – Maximum Cut & Fill.
Padmounted Substations	5004-1	B	Drawing revised to show requirement for unreinforced concrete surround and expansion joint foam around plinth.
Padmounted Substations	5004-2	A	New Drawing – 11kV Padmount Substations – Front Entry Type – Site Finish Concrete Surround. Drawing shows cross section detail of unreinforced concrete requirement from 5004-1 as well as Notes for 5004-1.
Padmounted Substations	5010-1	C	New/Revised Drawing – 11kV Padmounted Substation – Front Entry Type – Location in Council Parklands
Padmounted Substations	5338-1	B	Drawing revised to show requirement for unreinforced concrete surround and expansion joint foam around plinth.
Padmounted Substations	5338-2	A	New Drawing – 11kV Padmount Substations – Front Entry Type – Community Title - Site Finish Concrete Surround. Drawing shows cross section detail of unreinforced concrete requirement from 5338-1 as well as Notes for 5338-1.
Padmounted Substations	5001-1	B	In Sections 1, 2, and 3 the word “Contractor” has been replaced with the words “service provider”.
Padmounted Substations	5001-2	C	Section 10 has been renamed to “ <i>Drainage System</i> ” with the text being extensively revised. A new section “ <i>11 Weep Holes</i> ” has been added. The “ <i>Backfilling</i> ” section becomes section 12.
Padmounted Substations	5007-1	D	Addition of “ <i>Drainage</i> ” material, Weep holes, and 100mm slotted drainage pipe.
Padmounted Substations	5007-2	D	Addition of “ <i>Drainage</i> ” material, Weep holes, and 100mm slotted drainage pipe.
Padmounted Substations	5008-1	D	Addition of “ <i>Drainage</i> ” material, Weep holes, and 100mm slotted drainage pipe.
Padmounted Substations	5008-2	D	Addition of “ <i>Drainage</i> ” material, Weep holes, and 100mm slotted drainage pipe.
Padmounted Substations	5265-2	D	1500kVA Padmount marked as “ <i>Superseded</i> ”
Padmounted Substations	5367-1	A	1500kVA Padmount LV Circuit Diagram marked as “ <i>Superseded</i> ”
Padmounted Substations	5367-2	A	1500kVA Padmount LV Schematic marked as “ <i>Superseded</i> ”

Padmounted Substations	5367-3	A	1500kVA Padmount HV Schematic marked as “ <i>Superseded</i> ”
Padmounted Substations	5367-4	A	1500kVA Padmount HV Protection Relay Schematic marked as “ <i>Superseded</i> ”
Padmounted Substations	5368-1	B	Assembly 614-7 added to material list. Note 1 expanded. Note 4 added.
Padmounted Substations	5368-2	B	Assembly Selection expanded to 614-3 to 7.
Padmounted Substations	5368-5	A	New Drawing – 11kV Padmounted Substations – Front Entry Type – with LV Switchgear & 8DJH Switchgear – Schematic.
Padmounted Substations	5368-6	A	New Drawing – 11kV Padmounted Substations – Front Entry Type – with LV Switchgear & 8DJH Switchgear – Schematic.
Padmounted Substations	5368-7	A	New Drawing – 11kV Padmounted Substations – Front Entry Type – 1500kVA LV Circuit Diagram.
Earthing	5380-1	A	New Drawing – 11kV Padmounted Substation Dual Padmount – Transfer Site – Common Earth Material
Earthing	5380-2	A	New Drawing – 11kV Padmounted Substation Dual Padmount – Transfer Site – Common Earth Arrangement
Material Data	5379	A	New Drawing – 33kV (Cable) Termination and Connection Data
Material Data	5376	A	New Drawing – Mechanical Lugs and Links
Material Data	5378-1	A	New Drawing – 11kV ABB Safelink2 – AF General Arrangement
Material Data	5378-2	A	New Drawing – 11kV ABB Safelink2 – AF Technical Details
Fibre Optic Construction	5182-2	C	Fibres “96 = 96 Fibres & ADSS 96 Fibres” added to construction code.
Fibre Optic Construction	5182-4	C	“FOCU = Fibre Optic Cable Underground with 96 Fibres 2467926” added.
Fibre Optic Construction	5182-6	B	Construction codes for FTP1 and FTP3 removed.