

# Underground Distribution Construction Manual

APPROVED BY: A. Bletchly

## INTRODUCTION

The “Underground Distribution Construction” standard outlines the requirements and practices for the construction of the underground electricity distribution network, energised at voltages up to 11 kV.

The aim of this document is to ensure that Energex’s underground electricity distribution network is constructed in accordance with Energex policies and design criteria in order that:

- The regulatory and statutory requirements for a safe and efficient underground electricity distribution system are met.
- The installations are carried out with due care with regard to workers and public safety, the environment and with minimum disruption to public amenity.

The Manual has been broken into two major parts—Civil Works and Electrical—to correspond with the requirements of the two main user groups in the field.

## CONTENTS

Part	Section	Description	Last Update
AMENDMENT RECORD			01/06/2020
CIVIL WORKS	C1	Conduits	01/06/2020
	C2	Excavation and Reinstatement	01/06/2020
	C3	Padmount Transformer Sites	01/06/2020
	C4	Other Ground-Mounted Plant	01/06/2020
	C5	Pits	01/06/2020
	C6	Cables	01/06/2020
ELECTRICAL	E1	Assemblies	01/06/2020
	E2	Padmount Transformers	01/06/2020
	E3	Other Ground-Mounted Plant	01/06/2020
	E4	Cables	01/06/2020
	E5	LV Joints and Terminations	01/06/2020
	E6	HV Joints and Terminations	01/06/2020
	E7	Earthing	01/06/2020