

Standard Asset Data

GISCAD design

IMPORTANT DISCLAIMER

As the information contained in this publication is subject to change from time to time, Endeavour Energy gives no warranty that the information is correct or complete or is a definitive statement of procedures. Endeavour Energy reserves the right to vary the content of this publication as and when required. You should make independent inquiries to satisfy yourself as to correctness and currency of the content. Endeavour Energy expressly disclaims all and any liability to any persons whatsoever in respect of anything done or not done by any such person in reliance, whether in whole or in part, on this document.

Copyright © Endeavour Energy 2018

MAINS DESIGN INSTRUCTION

ASSET & METERING DATA

Document No : SAD 0002
 Amendment No : 1
 Approved By : MASD
 Approval Date : 23/11/2017

MDI 0000 GISCAD DESIGN

CONTENTS

1.0	PURPOSE.....	4
2.0	SCOPE	4
3.0	REFERENCES.....	4
4.0	DEFINITIONS AND ABBREVIATIONS.....	4
5.0	ACTIONS.....	7
5.1	Guidelines	8
5.1.1	<i>General guidelines and system restrictions.....</i>	8
5.2	General requirements.....	8
5.2.1	<i>GISCAD lifecycle description</i>	8
5.2.2	<i>Data extracts</i>	9
5.3	Template.....	9
5.3.1	<i>CAD drawing template.....</i>	9
5.3.2	<i>File format.....</i>	9
5.3.3	<i>Sheets</i>	10
5.3.4	<i>Scales.....</i>	10
5.3.5	<i>Symbology and attributes</i>	10
5.3.6	<i>Electrical drawing environment</i>	10
5.3.7	<i>Title blocks.....</i>	10
5.3.8	<i>Plot styles for PDF generation – Plot style table (pen assignment) IEC_GISCAD_Mono.ctb.....</i>	12
5.3.9	<i>Text</i>	12
5.3.10	<i>Layers.....</i>	13
5.3.11	<i>Feature location</i>	13
5.4	Naming conventions.....	13
5.4.1	<i>Drawing file.....</i>	13
5.4.2	<i>Layers.....</i>	13
5.4.3	<i>Linear features.....</i>	15
5.5	Drawing layout	15

5.6	Editing procedures	16
5.6.1	<i>Existing data</i>	16
5.6.2	<i>New data</i>	16
5.6.3	<i>Removing/deleting data</i>	16
5.6.4	<i>Replacing data</i>	16
5.6.5	<i>Modifying data</i>	16
5.6.6	<i>Validating data</i>	17
5.6.7	<i>Viewports</i>	17
5.6.8	<i>Placement rules</i>	17
5.6.9	<i>Feature relationships</i>	17
5.6.10	<i>Electrical paper sizes</i>	18
5.6.11	<i>Electrical line format style</i>	18
5.6.12	<i>Electrical dimension style</i>	18
5.6.13	<i>Limits block</i>	18
6.0	AUTHORITIES AND RESPONSIBILITIES	19
7.0	DOCUMENT CONTROL	19
	Attachment 1 – GISCAD default specification	20

1.0 PURPOSE

To set out in detail the required standards for the preparation of all electrical distribution, civil and reticulation drawings to be used for construction works and to meet Endeavour Energy's design certification requirements as set out in SAD 0001 – Project drawing standard using GISCAD software supplied by Endeavour Energy.

2.0 SCOPE

This Standard defines the detail specification as used with the Endeavour Energy GISCAD tools and its use with AutoCAD.

This Standard defines the specific requirements used for all GISCAD designs for the Endeavour Energy network. The requirements in this document for specific areas of need within GISCAD designs are set out within, however generalised details for all drawing types are set out in SAD 0001 – Project drawing standard which defines the templates, labels, notes and the general appearance of all designs.

3.0 REFERENCES

Internal

- Group Board Policy 4.0 – Environment
- Company Policy 9.6.1 – Network Connection
- Company Policy 9.6.9 – Facilities Access (Shared Infrastructure)
- Company Policy 15.3.1 – Information Management
- Company Procedure GAM 0036 – Management of Drawing Records
- Company Procedure GAM 0104 – Network Asset Information
- Network Management Plan December 2013 Review
- Mains Construction Instruction MCI 0005 – Overhead Construction standards manual
- Mains Design Instruction MDI 0028 – Underground distribution design
- Mains Design Instruction MDI 0031 – Overhead line Design
- Mains Design Instruction MDI 0044 – Easement Property tenure
- Standard Asset Data SAD 0001 – Project drawing standard
- Standard Asset Data SAD 0005 – Network Asset Information (NAI) system symbology
- Standard Asset Data SAD 0006 – Transmission substation design
- Attachment 1 – GISCAD default specification
- Drawing no. 294372 – Drawing specification standard drawing notes
- Drawing no. 294854 – Drawing specification standard drawing symbols

External

- ENA National Electricity Network Safety Code (Doc. 01-2008)
- AS 1100.101 – Standard ISO Sheets and metric scales.
- AS 1100.- 101 Technical drawing – General principles
- AS/NZ 1158 – Lighting for Roads & Public Space

4.0 DEFINITIONS AND ABBREVIATIONS

A&MD

Asset & Metering Data Branch

ADMD

After Diversified Maximum Demand

Block

A named group of entities used to represent a feature, such as a pole or substation.

Cables

A linear feature used to represent underground cables or overhead conductors between poles.

CAD

Computer Aided Design

CAD Export

In the context of this document refers to a CAD file produced by Endeavour Energy's GIS system using the Export utility.

CAMS

Customer Application Management System

CCP

Customer Connection Point, the position on an individual site where the customer takes supply. This point may supply one or more customers, for example, multi-unit residential development and factory units. All assets from this point onwards are owned, operated and maintained by the customer.

CL

Cable length, the total length of the cable.

Conductors

See cables

Content Server

The Company's main recordkeeping system that is used to manage both electronic and physical records.

CWE

Contestable Works Engineer

CWO

Contestable Works Officer

Delete

Used in this document to refer to the action of physically deleting graphics from a drawing as opposed to marking an asset for removal.

DMS

Drawing Management System, an internal application for registering drawings.

DWG

A binary file format used for storing two and three dimensional design data and metadata. It is the native format for several CAD packages

DP

Deposited Plan

EMP

Environmental Management Plan

Entity

Any CAD object, such as a line, circle, text, or other object.

Export Utility

An application allowing designers to extract a portion of the GIS into a DWG format.

Feature

A block or linear entity used to represent a network asset or cadastre.

GIS

Geographical Information System, graphical based application used by the Company for the purpose of capturing and maintaining information pertaining to the Company's network assets.

GISCAD

An application used by the designers that allow GIS exports to be opened in AutoCAD and used as the basis for project drawings. These AutoCAD drawings can in turn be re-imported into GIS, reflecting the changes made by the designer.

HV

High voltage

HVC

High voltage customer

Insertion point

The hook point or primary co-ordinate of a block.

IPART

NSW Independent Pricing and Regulatory Tribunal

KV

Kilovolts (1,000 Volts)

L3ASP

Level 3 Design Accredited Service Provider, accredited by the NSW Department of Fair Trading.

LV

Low Voltage

Mline

A CAD linear entity containing multiple parallel lines and vertices.

NCP

Network Connection Point, the point on the electrical network where supply is made available to a specific site. Ownership of the assets changes from Endeavour Energy to that of the customer at this point.

Assets between the network connection point (NCP) and the customer connection point (CCP) consist of service lines, service mains, unmetered sub-mains and unmetered consumer mains.

Node

Electrical connectivity, the number of terminals that a feature may contain. Features are either single node, two (2) node, or zero node devices.

OH

Overhead

PE

Photo-electric cell

Polyline

A CAD linear entity containing multiple vertices.

Project no

CAM number/ Endeavour Energy project number

Remove

Term used in this document to define the action of marking an asset for removal in the field according to the scope of works of a design.

RL

Route Length, the total length of the path the cable follows

RS

Network asset cost share Reimbursement Scheme in accordance with IPART determination No. 1, 2002RL.

SL

Streetlight

SLCP

Streetlight control point

UG

Underground

USAGE

The overall voltage that applies to an asset, for example, HV, LV, SL, or a combination of multiple usages. In AutoCAD, usages are also used in layer names to control layer visibility in Viewports.

WC/WAE

Works Completed/ Works As Executed

5.0 ACTIONS

This Standard outlines the uniform practice in the creation of all reticulation and duct and trench drawings when using the Endeavour Energy GISCAD tools.

This uniformity is to enable easy modification and transition of drawings into Endeavour Energy's GIS and to meet Endeavour Energy's design certification requirements.

This document applies to all electronic drawings that are prepared for contestable and non-contestable works for construction, augmentation and relocation of Endeavour Energy's electrical network and assets.

This document will describe the composition of a drawing file, the naming conventions to be used, drafting concepts and data capture techniques that need to be followed to produce a design that meets these requirements.

All drawings shall be prepared in accordance with this Standard and appropriately used in conjunction with all other Standard Asset Data design Standards and supplementary drawings.

All drawings submitted for certification by a Level 3 ASP shall be prepared in accordance with this Standard, and as set out in the Endeavour Energy Connections Policy. Designs submitted for approval by Endeavour Energy designers shall also be in accordance with this Standard.

5.1 Guidelines

5.1.1 General guidelines and system restrictions

This document specifically describes the DWG file format and references AutoCAD terminology; however, many of the terms are generic across most CAD software applications.

CAD applications other than AutoCAD may be used to produce designs as long as the design can be converted to the AutoCAD DWG 2013 file format and pass GISCAD validation, whilst meeting the requirements specified in this document.

The reader of this document must be familiar with CAD systems and their terminology.

NOTE: There is a size limitation of 16 square kilometres on any type of extract for both internal and external extracts.

For all information on using the GISCAD tools, refer to [ASP GISCAD for AutoCAD 2016 Reference Manual](#).

To utilise the tools, the Endeavour Energy Toolbox and Toolbars must be installed in AutoCAD, these are called the GISCAD Tools. The internal designers will have the GISCAD Tools installed, however the ASP's need to download the GISCAD Tool palettes from the ASP Website under Notices and follow the relevant installation instructions / Release Notes.

The GISCAD drawing palettes are made up of sub menus and notes palettes which include relevant blocks, symbology, layers, naming conventions and applicable drawing frames and may be modified to any order/ pallet as required.

5.2 General requirements

5.2.1 GISCAD lifecycle description

The lifecycle of GISCAD has six (6) phases. These phases describe the work and status of a series of systems as work is undertaken on the network of Endeavour Energy. As the work is undertaken Network Asset Information systems have data extracted, modified, loaded and verified to give the closest representation of Endeavour Energy's network. For technical details on how to achieve this functionality, refer to [ASP GISCAD for AutoCAD 2016 Reference Manual](#).

5.2.1.1 Phase one – GIS franchise view

This phase is the normal state of the network shown within the GIS and its subsidiary systems.

5.2.1.2 Phase two – Extraction

Extracts are performed on the GIS franchise view to create a DWG file representing the area requested for the modification of a new design.

5.2.1.3 Phase three – Design

The DWG extract is modified to achieve a new augmentation or modification to the reticulation network for the purposes of construction. Once the design is completed it is validated to make certain that compliance within Endeavour Energy systems.

5.2.1.4 Phase four – Submittal and approval

Once the design has been submitted and approved for construction by the relevant authority, the file shall be submitted to **Asset & Metering Design**.

5.2.1.5 Phase five – Load

On receipt of a valid design **Asset & Metering Design** shall load all relevant modifications due to the design to the GIS franchise view in the proposed state. This allows the GIS franchise view to show the current physical state of the network with the proposed modifications.

5.2.1.6 Phase six – Work As Executed (WAE)

On receipt of a valid WAE **Asset & Metering Design** shall load all relevant modifications due to the WAE to the GIS franchise view in an in-service state. This allows the GIS franchise view to show the current physical state of the network.

5.2.2 Data extracts

Internal users use the G/NetViewer application for acquiring GISCAD extracts. The extract will be saved to the individuals X:Drive – under X:\GISCAD (If a GISCAD folder is not present on the individuals X Drive, it will need to be created).

External users use the Webmap application for acquiring GISCAD extracts. The extract will be sent to the individual via email, using the Accellion Secure File Transfer application (Refer to **ASP GISCAD for AutoCAD 2016 Reference Manual**).

5.3 Template

5.3.1 CAD drawing template

All drawings must use the Endeavour Energy standard drawing template which is supplied with the GISCAD extract. In no circumstances is the drawing template to be removed or amended for purposes other than those listed within this document. For reticulation drawings, the template is automatically attached to the drawing file when a download of an extract is performed and **MUST** not be deleted or replaced by another template as it will remove the standard watermarks required to pass validation.

For civil or transmission substation drawings, GISCAD is currently not available, see SAD 0006 – Transmission substation design.

5.3.2 File format

All reticulation designs must be provided to Endeavour Energy in AutoCAD DWG 2013 format.

If an application other than AutoCAD 2016 is used to produce the design then it is the responsibility of the ASP to convert the design into the DWG 2013 format.

5.3.3 Sheets

If multiple sheets are required, all sheets must reside in one file and layouts used for each sheet. Duct and trench drawings can be amongst reticulation drawings in one single file as long as the project number is identical.

5.3.4 Scales

All designs must be drawn to a model space scale as extracted. Model space is generally extracted at 1:1000.

In paper space viewports may be used to display at different scales.

5.3.5 Symbolology and attributes

All symbols used on project drawings shall correspond with those shown in SAD 0005 – Network Asset Information (NAI) system symbolology with the appropriate attributes, and can be downloaded from the Endeavour Energy Standards website within the GISCAD tool palettes.

All feature attributes are described in SAD 0005 – Network Asset Information (NAI) system symbolology - Attachment A spreadsheet.

5.3.6 Electrical drawing environment

The electrical drawings are to conform to the following drawing standards.

Electrical drawings are to be drawn in Model Space at the same scale as they are extracted, excluding symbolology which is not to scale. The drawing title block frames are to be inserted onto the frame layer in paper space. A black model space background colour is recommended. The drawing measurement is to be in metric. The file is to be saved as an AutoCAD 2013 format.

5.3.7 Title blocks

Endeavour Energy standard template drawing contains standard title blocks, layouts, blocks, layers and line types and is available on all GISCAD extracts.

The following table lists the attributes found on each title block. When working with multiple sheets the user is expected to update the title details on all layout sheets.

Attribute tag	Description	Visibility	Notes
ExportID	Filled in when the drawing is exported from GIS	Invisible	Not to be edited by user
ProjectType	Internal or external	Invisible	Not to be edited by user
ProjectNumber	Project number	Invisible	Not to be edited by user
ProjectDescription	Project description	Invisible	Not to be edited by user
DrawingNumber	Drawing number	Invisible	Not to be edited by user
ExportDate	Filled in when the drawing is exported from GIS	Invisible	Not to be edited by user
ExportUserName	Filled in when the drawing is exported from GIS	Invisible	Not to be edited by user
DesignerCompanyName	Designer Compant Name	Invisible	Not to be edited by user
ExportAreaOfInterest	Export area of interest	Invisible	Not to be edited by user
ExportCategories		Invisible	Not to be edited by user
CAD_SUCCESS	CAD success (GIS)	Invisible	Not to be edited by user
GIS_SUCCESS	GIS Success (GIS)	Invisible	Not to be edited by user
T1	Street name	Visible	
T2	Suburb	Visible	
T3	Project No./ SAMP (CAD)	Visible	
T4	Description of work	Visible	
T5	Title Line Five	Visible	
T6	Title Line Six	Visible	
NUM	Drawing number	Visible	Not to be edited by user
REV	Revision/amendment	Visible	
NS	Sheet number	Visible	
SHTS	No. of sheets	Visible	
Design	Designer	Visible	
Drawn	Draftsman	Visible	
Date	Date	Visible	
Scale	Drawing scale (Overall)	Visible	
CAP_NO	CAP/ SAMP number	Visible	
IE_NUM	IE project Number	Visible	
HV_SWITCH	HV Switching	Visible	
UBD_REF	UBD/penguin map reference	Visible	
GIS_MAP_NO	GIS map number	Visible	
HV_OP_DIAG	System Operations drawing number	Visible	
LGA	Local Government Area	Visible	

Attribute tag	Description	Visibility	Notes
REF_No_1	Drawing reference no. 1	Visible	
REF_1	Reference no 1 description	Visible	
REF_No_2	Drawing reference no. 2	Visible	
REF_2	Reference no. 2 description	Visible	
REF_No_3	Drawing reference no. 3	Visible	
REF_3	Reference no. 3 description	Visible	
REF_No_4	Drawing reference no. 4	Visible	
REF_4	Reference no. 4 description	Visible	
GEN_WO	General work order number	Visible	
OH_WO	O/H work order number	Visible	
UG_WO	U/G work order number	Visible	
SUB_WO	SUB work order number	Visible	
DEPOTCODE	District depot code	Invisible	

5.3.8 Plot styles for PDF generation – Plot style table (pen assignment) IEC_GISCAD_Mono.ctb

The electrical drafting standard pen sizes are as set out in Table 1 below. The colours are required for plotting using standard colour plot style. If for a technical reason another plot style is needed, it may be locally created at the point of time.

Table 1 - Electrical drafting standard pen sizes

Nominal pen size	CAD colour	Typical application
0.25mm	White, Magenta, Blue, Grey(pen 9)	2.5mm text, wiring, dimension lines
0.35mm	Yellow, Green	3.5mm text, symbols
0.50mm	Red	5.0mm text, outline
0.70mm	Cyan	7.0mm text, busbar, cable outline

5.3.9 Text

The allowable electrical drafting standard text sizes are 3.0, 3.5, 5.0, 7.0mm or larger. The standard text styles are ISOCP.

Note that the minimum text size on an A1 drawing frame is 3.0mm.

Refer to Table 1 above for the pen thickness. Generally, lower case text lettering should not be used for text in a drawing. Single line text is preferred over multiline text.

Most text sizes are pre-set as part of the application.

5.3.10 Layers

Layers are pre-set within the application and are designated based on asset, status of the asset and what is being modified to the asset. All blocks have a pre-allocated layer that must not be changed (refer clause 5.4.2).

A number of user layers are available for miscellaneous use; these layers are not validated and are for use for adding additional notes or small explanatory designs to highlight areas of the network.

The notes layers are designed to print stamps in red (AutoCAD colour 10). A special revision block is available to add to a drawing for notes. A special layer is required for Accredited Service Providers to place the compliance stamps required by Customer Connections. This layer can be turned off once the drawing is handed over.

Colours are set but can also be chosen and must have clear variance of style in black and white.

5.3.11 Feature location

All cadastral features, such as roads and land parcels, must be drawn to the MGA Zone 56 coordinate system. All network features must be located relative to the cadastre and adhere to the placement rules.

5.4 Naming conventions

5.4.1 Drawing file

The file naming convention for all design files must adhere to the following format with the inclusion of the Export ID, in order for the user to immediately establish the export date or credentials required for their purpose:

<Amendment><Drawing#>_<Project#>.dwg.

Where:

- **Amendment** is generally a single alphabetic character indicating the version of the drawing, for example, A
- **Drawing#** is a 6 character numeric generated from Endeavours DIS
- **Project#** is the CAP/CAMS/IE/EE number supplied by Endeavour Energy

5.4.2 Layers

It is not necessary to create manual layers as the system generates all required layers automatically.

Contact Endeavour Energy for the layer names. The following layer naming convention will be followed in CAD drawings:

<category>_<viewports>_<state>_<type>

Where:

- **Category** relates to the type of feature that will reside on the layer, for example: Supports, Mains,
- **Viewports** define a list of viewport codes delimited by underscores that the data on the layer will be displayed in.

Valid viewport codes are:

- SP - Used to represent site plan.
- TR - Used to represent transmission.
- HV - Used to represent high voltage.
- LV - Used to represent low voltage.
- SL - Used to represent streetlighting.

State defines the status of the assets that reside on the layer.

Valid states are:

NEW used to represent new (proposed) features in the project.
 EXT used to represent existing features in the project.
 MOD used to represent existing features that have changed.
 DEL used for existing features that are to be removed as part of the projects scope of works.

- **Type** is used only for cables and bonds and is used to identify the cable code or bond type. Bonds are explained later in this section.

Examples:

Mains_HV_EXT	used for existing high voltage cables
Mains_LV_NEW_T45	used for new low voltage cables of type 185MM SQ 3.5 AL XLPE
Mains_LV_NEW_Hardwired	used for new hardwired bond between LV conductors
Substations_SP_HV_LV_NEW	used for new distribution substation

- Deleted/removed features

All features that are to be decommissioned and removed as part of the design are to be moved to the DEL layer. A specific layer named FEATURES_DEL is used for this purpose. All features to be removed must be moved to this layer effectively marking the asset for removal in GIS.

Existing features that have no impact on a design may be deleted from a drawing. Alternatively a specific invisible and non-plotting layer named Features_HIDE has been setup for the placement of these features.

- Miscellaneous layers

A number of layers can exist in a design that is used for information purposes such as notes or non-network type features. Features that fall into these categories must not be placed on a network only layer.

Blocks – point features

Blocks are used in designs to represent assets such as poles, pillars, substations and street lights. The naming convention of blocks is used first to identify the asset and secondly to identify the status of the asset within the drawing.

Blocks on a design are used to represent network assets and must adopt the following naming convention:

<feature Name>_<state>

Where:

- **Feature name** is the name of the asset, for example: pole or column.
- **State** is the status of the asset, for example: NEW, EXT, DEL.

Examples:

Pole_NEW	A new pole
Pole_EXT	An existing pole
Pole_DEL	A deleted pole
Pole Replace_NEW	A new pole that replaces an existing pole.

All standard blocks for use in Endeavour Energy designs have been vetted and published as part of the GISCAD toolset. Additional blocks to be added to the standard toolset can be obtained by contacting NDP.

Non-standard blocks must not be used on a design without consulting NDP first. There are some instances with the text in the Notes and the design of street lighting that may require the modification of the standard blocks appearance but this should be kept to a minimum and the block name and attributes must never be altered.

Where a non-standard block is used on a design, the block must contain an attribute named NOTES. This is to be used by the designer to indicate the reason for using the non-standard block.

5.4.3 Linear features

NOTE: All conductors will have their layer created when the attach cable tool is used

Unlike blocks, linear features, such as cables and roads, cannot be named. Therefore, the layer on which the linear feature resides is used to identify the feature. Thus, linear features used to represent different assets must be drawn on a separate layer.

For example, all linear features on layer MAINS_HV_NEW_A27 will be assumed to be cables of type A27 – 7/2.50 AAAC Chlorine (refer clause 5.4.2).

5.5 Drawing layout

All designs must be prepared in model space and the data captured in reference to the real world location of the cadastre base which is Map Grid of Australia 1994 Zone 56 (MGA 94 Zone Sub 56)

This will result in all graphics associated with the site plan and final circuits being layered over the top of each other. This will make sure that the network data preserves its spatial integrity and thus imports into the GIS at the same location and relative to other network data that exists in the GIS.

Viewports are used to lay out the various views and final circuits over one or more sheets within the design.

5.6 Editing procedures

5.6.1 Existing data

All existing data will be obtained from GIS through the CAD export process. Cadastre information must not be moved in the drawing as this will affect the spatial integrity of the data. To relocate, remove or modify existing assets please follow procedures explained in this section.

5.6.2 New data

All new assets must be drawn on layers with **_NEW** suffix (for block type assets) or **_NEW_<TYPE>** suffix (for linear features) and are all generated with the use of the tool pallet.

5.6.3 Removing/deleting data

If the design calls for data to be removed then the following actions should be performed:

- Using the delete features tool, move the existing entity to the Features_DEL layer. This action allows the feature to be correctly identified for removal in the GIS.
- From the tool pallet, place a corresponding <feature name>_DEL symbol at the same location as the existing symbol. This action is merely for display purposes only.
- Data should not be physically deleted from the drawing file.

5.6.4 Replacing data

When a design calls for a feature to be replaced a similar action to removing data is required:

- Move the existing entity to the Features_DEL layer. This action allows the feature to be correctly identified for removal in the GIS.
- Place a corresponding <feature name>_REPLACE symbol from the tool pallet at the same location as the existing symbol. This action allows the feature to be correctly identified as a new asset in GIS.

5.6.5 Modifying data

The GIS extract may at times incorrectly show the location of an asset in the field. In these cases, the user can correct the data by moving the asset to its correct location. This applies to network assets only; changes to the cadastre are ignored. The actions required to relocate a feature are:

- Change the layer of this feature to its corresponding <layer name>_MOD layer.
- Move the feature to its field location, relative to the cadastre base.
- Repeat steps 1 and 2 for all connecting features of all voltage types. If a pole is being moved then all connected features such as conductors and pole top switches must also be moved and relocated to their associated MOD layer. This action allows the feature to be correctly placed when importing DWG into GIS.

5.6.6 Validating data

Prior to submission the data shall be validated with the validation tools supplied within the GISCAD tool set.

The attributes validated can be found in Attachment 1.

5.6.7 Viewports

To maintain spatial integrity, viewports are used extensively. To lay out data in paper space, all graphics must be drawn in their correct spatial location relative to the cadastre base.

The layering name convention has been designed to allow for ease in layer filtering for the various viewports that may be created. The view buttons (All, LV, HV, and the like) will display the circuit and cadastre, however, in order to only see the circuit will require the selection of the 'set circuit' tool with the required circuit manually specified and entered.

The following Viewport codes exist:

- SP Site plan
- TR Transmission
- HV High voltage
- LV Low voltage
- SL Streetlight

Example:

The layer Sub_SP_HV_NEW means that data on this layer will display in both the site plan and final HV circuits.

5.6.8 Placement rules

To maintain spatial integrity of data, a number of placement rules have been defined. These rules are in place to make certain that the data captured is clear and concise and can be understood in both CAD and GIS.

When the asset aligns a boundary, the general rule is to place the assets based on their placement rules. If the location of the asset is not standard, the asset is to be placed at its true location relative to the cadastre

5.6.9 Feature relationships

Connectivity and relationships are established between different CAD features based on their status, usage and proximity of *connectable* features to the main feature. These relationships are automatically established when drawings are validated using the validation utility.

This standard supports the establishment of three (3) relationship types:

- Electrical connectivity – Basic electrical connectivity is formed between cables and the item it will connect to. To correctly form this relationship the start and end vertices of the cable must be coincident with the insertion point of the connecting feature.
- Parent/child – An example of this relationship is a HV switch or streetlight on a pole. To correctly form this relationship, the insertion point of the child feature must be coincident with

the insertion point of the parent. Many child features have been defined with their insertion points offset so that the graphics of the features do not clash visually.

- One to many – These relationships are formed when one feature connects to many features. A typical example is a conductor connecting to several poles. To correctly form this relationship, each vertex of the conductor must be coincident with the insertion point of each pole.

Designers should endeavour to draw with regard to the feature relationships which will be established on all drawings.

5.6.10 Electrical paper sizes

Sizes available are A1, A2, A3, and A4 which are all part of the extract and may be repeated as required within the same file. A frame cannot be imported from another design, as this action will cause validation to fail.

5.6.11 Electrical line format style

The electrical drafting standard line styles are centre, dash and hidden.

5.6.12 Electrical dimension style

The electrical drafting standard dimension format style is:

DIM line colour	By layer
DIM lineweight	By layer
Baseline spacing	10mm
Extension line colour	By layer
Extension lineweight	By layer
Extend beyond DIM line	2mm
Offset from origin	2mm
Arrowheads	Closed filled, 3mm
Text	Yellow, 3.5mm
Text placement	Above, centred, aligned with DIM line
Text offset from DIM line	1mm
Overall DIM style scale	1 (as required)
Measurement scale	1

Note: The overall DIM style scale is to be rescaled to suit the panel layout.

5.6.13 Limits block

The limits block is used in model space as a guide when drawing to maintain the correct width to height ratio of the drawing. The limits block is on the *Limits* layer, which does not plot.

Note: The size of the limits block is indicated in the top left hand corner of the block (as A3 for example). Each size limits block (A0, A1, A2, and A3) has a slightly different width to height ratio to match its title block. When changing title block size, the limits block should also be changed.

6.0 AUTHORITIES AND RESPONSIBILITIES

Manager Asset Standards & Design has the authority and responsibility for approving this Standard.

General Managers have the authority and responsibility to make sure that the process described within this procedure is followed.

Regional Managers to make sure that employee under their control comply with this standard.

Manager Asset & Metering Data has the authority and responsibility for:

- endorsing Standards;
- seeking the **Manager Asset Standards & Design** approval or endorsement of Standards;
- making certain that employees under their control comply with this Standard;
- facilitating the collection, management and distribution of asset data;
- periodically reviewing this Standard with stakeholders; and
- making sure that all drawings submitted comply with this Standard before updating Network Asset Information Systems and loading onto the Document Management System.

Design Services Manager is responsible for making sure that all design drawings prepared by Endeavour Energy staff conform to this Standard.

Designers are responsible for making sure that all their design drawings prepared conform to this Standard.

Accredited Service Provider, Level 3 (L3ASP) are responsible for making sure that all information submitted on the reticulation design drawing(s), conforms to the requirements of this Standard and the Connections Policy. The information presented on the plans, derived from the designer's site visit, is to be accurately depicted and drawn using Endeavour Energy's standard symbols and line styles.

Contestable Works Officer/Engineer must make sure, before certification is granted, that the drawing information being received by Endeavour Energy complies with this Standard and the relevant Network Customer Connection Contestable Works General Terms and Conditions.

7.0 DOCUMENT CONTROL

Documentation content coordinator: **Capture Services Manager**

Documentation process coordinator: Standards Process Coordinator



Attachment 1 – GISCAD default specification

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
A0_FRAME_TITLE	1	T1	
	2	T2	
	3	T3	
	4	T4	
	5	T5	
	6	T6	
	7	NUM	
	8	REV	A
	9	NS	1
	10	SHTS	1
	11	DESIGN	
	12	DRAWN	
	13	DATE	
	14	SCALE	
	15	CAP_NO	
	16	IE_NUM	
	17	HV_SWITCH	
	18	UBD_REF	
	19	GIS_MAP_NO	
	20	HV_OP_DIAG	
	21	LGA	
	22	REF_NO_1	
	23	REF_1	
	24	REF_NO_2	
	25	REF_2	
	26	REF_NO_3	
	27	REF_3	
	28	REF_NO_4	
	29	REF_4	
	30	GEN_WO	
	31	OH_WO	
	32	UG_WO	
	33	SUB_WO	
	34	DEPOTCODE	
	35	CAD_SUCCESS	0
	36	GIS_SUCCESS	0
	37	PROJECTTYPE	
	38	PROJECTNUMBER	
	39	DRAWINGNUMBER	
	40	PROJECTDESCRIPTION	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	41	EXPORTDATE	
	42	EXPORTUSERNAME	
	43	DESIGNERCOMPANYNAME	
	44	EXPORTAREAOFINTEREST	
	45	EXPORTCATEGORIES	
	46	COMMENTS	
	47	VERSION_NO	3.11
A1_FRAME_TITLE	1	T1	
	2	T2	
	3	T3	
	4	T4	
	5	T5	
	6	T6	
	7	NUM	
	8	REV	A
	9	NS	1
	10	SHTS	1
	11	DESIGN	
	12	DRAWN	
	13	DATE	
	14	CHD	
	15	scale	
	16	CAP_NO	
	17	IE_NUM	
	18	HV_SWITCH	
	19	UBD_REF	
	20	GIS_MAP_No	
	21	HV_OP_DIAG	
	22	LGA	
	23	REF_No_1	
	24	REF_1	
	25	REF_No_2	
	26	REF_2	
	27	REF_No_3	
	28	REF_3	
	29	REF_No_4	
	30	REF_4	
	31	GEN_WO	
	32	OH_WO	
	33	UG_WO	
	34	SUB_WO	
	35	DEPOTCODE	
	36	CAD_SUCCESS	0
	37	GIS_SUCCESS	0

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	38	ExportID	
	39	ProjectType	
	40	ProjectNumber	
	41	DrawingNumber	
	42	ProjectDescription	
	43	ExportDate	
	44	ExportUserName	
	45	DesignerCompanyName	
	46	ExportAreaOfInterest	
	47	ExportCategories	
	48	Comments	
	49	VERSION_NO	3.11
A2_FRAME_TITLE	1	T1	
	2	T2	
	3	T3	
	4	T4	
	5	T5	
	6	T6	
	7	NUM	
	8	REV	A
	9	NS	
	10	SHTS	
	11	DESIGN	
	12	DRAWN	
	13	DATE	
	14	CHD	
	15	scale	
	16	CAP_NO	
	17	IE_NUM	
	18	HV_SWITCH	
	19	UBD_REF	
	20	GIS_MAP_No	
	21	HV_OP_DIAG	
	22	LGA	
	23	GEN_WO	
	24	OH_WO	
	25	UG_WO	
	26	SUB_WO	
	27	ExportID	
	28	ProjectType	
	29	ProjectNumber	
	30	ProjectDescription	
	31	DrawingNumber	
	32	ExportDate	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	33	ExportUserName	
	34	DesignerCompanyName	
	35	Comments	
	36	ExportCategories	
	37	GIS_SUCCESS	0
	38	CAD_SUCCESS	0
	39	DEPOTCODE	
	40	ExportAreaOfInterest	
	41	VERSION_NO	3.11
A3_FRAME_TITLE	1	T1	
	2	T2	
	3	T3	
	4	T4	
	5	T5	
	6	T6	
	7	NUM	
	8	REV	A
	9	NS	
	10	SHTS	
	11	DESIGN	
	12	DRAWN	
	13	DATE	
	14	CHD	
	15	scale	
	16	IE_NUM	
	17	CAP_NO	
	18	HV_SWITCH	
	19	GIS_MAP_No	
	20	UBD_REF	
	21	HV_OP_DIAG	
	22	LGA	
	23	GEN_WO	
	24	OH_WO	
	25	UG_WO	
	26	SUB_WO	
	27	ExportID	
	28	ProjectType	
	29	ProjectNumber	
	30	DrawingNumber	
	31	ProjectDescription	
	32	ExportDate	
	33	ExportUserName	
	34	DesignerCompanyName	
	35	ExportAreaOfInterest	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	36	Comments	
	37	ExportCategories	
	38	GIS_SUCCESS	0
	39	CAD_SUCCESS	0
	40	DEPOTCODE	
	41	VERSION_NO	3.11
A4_FRAME_TITLE	1	T1	
	2	T2	
	3	T3	
	4	T4	
	5	T5	
	6	T6	
	7	NUM	
	8	REV	A
	9	NS	
	10	SHTS	
	11	scale	
	12	DESIGN	
	13	DRAWN	
	14	DATE	
	15	CHD	
	16	CAP_NO	
	17	IE_NUM	
	18	HV_SWITCH	
	19	GIS_MAP_No	
	20	UBD_REF	
	21	HV_OP_DIAG	
	22	LGA	
	23	ExportID	
	24	ProjectType	
	25	ExportAreaOfInterest	
	26	ProjectNumber	
	27	DrawingNumber	
	28	ProjectDescription	
	29	ExportDate	
	30	ExportUserName	
	31	DesignerCompanyName	
	32	Comments	
	33	ExportCategories	
	34	GIS_SUCCESS	0
	35	CAD_SUCCESS	0
	36	DEPOTCODE	
	37	VERSION_NO	3.11
AREVA_2FDR_22kV_EXT	1	ASSET_NUM1	XXXXXX

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	ASSET_NUM2	XXXXX
	3	ASSET_NUM3	XXXXX
	4	ASSET_NUM4	XXXXX
	5	ASSET_NUM5	XXXXX
	6	ASSET_NUM6	XXXXX
	7	SUB_TYPE	PS
	8	SWG_TYPE	A
	9	Z	null
AR_CONFIG_EXT	1	ASSET_NUM1	
	2	ASSET_NUM2	
	3	ASSET_NUM3	
	4	ASSET_NUM4	
	5	Z	null
AUTO_RECLOSER_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	HV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	STATE	Inservice
	9	USAGE	HV
	10	LEGEND	EXISTING AUTO RECLOSER
	11	LOCATION	
	12	STREETNAME	
	13	SUBURB	
	14	NOTES	
	15	Z	null
AUTO_RECLOSER_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	STATE	Proposed
	11	USAGE	HV
	12	LEGEND	NEW AUTO RECLOSER
	13	SUBURB	
	14	STREETNAME	
	15	LOCATION	
	16	NOTES	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	17	LABEL_ALIGNMENT	Centre Right
	18	ACTUAL_STATUS	Closed
	19	Z	null
AUTO_TRANSFORMER_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	REGULATOR_TYPE	ATFMR
	9	STATE	Inservice
	10	USAGE	HV
	11	LEGEND	EXISTING AUTO TRANSFORMER
	12	LOCATION	
	13	STREETNAME	
	14	SUBURB	
	15	NOTES	
	16	Z	null
AUTO_TRANSFORMER_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	REGULATOR_TYPE	Auto Transformer
	11	STATE	Proposed
	12	USAGE	HV
	13	LEGEND	NEW AUTO TRANSFORMER
	14	SUBURB	
	15	STREETNAME	
	16	LOCATION	
	17	NOTES	
	18	LABEL_ALIGNMENT	Centre Right
	19	Z	null
Aircraft Marker Ball	1	ASSET_NUM	
	2	PURPOSE	
	3	COLOUR	
	4	LOCATION	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	7	MAINTAINED_BY	IE
	8	Z	null
Amendment Tag A1-A2	1	DRAWN_BY	xxx
	2	CHECKED_BY	xxx
	3	REV_NO	-
	4	REV_DATE	xx/xx/xx
	5	LINE_ONE	xxx
	6	LINE_TWO	xxx
	7	LINE_THREE	xxx
Amendment Tag A3	1	DRAWN_BY	xxx
	2	CHECKED_BY	xxx
	3	REV_NO	-
	4	REV_DATE	xx/xx/xx
	5	LINE_ONE	xxx
	6	LINE_TWO	xxx
	7	LINE_THREE	xxx
Amendment Tag A4	1	DRAWN_BY	xxx
	2	CHECKED_BY	xxx
	3	REV_NO	-
	4	REV_DATE	xx/xx/xx
	5	LINE_ONE	xxx
	6	LINE_TWO	xxx
	7	LINE_THREE	xxx
BUSBAR_EXT	1	SWG_TYPE	SL
	2	SUB_TYPE	PM
	3	USAGE	HV
	4	Z	null
BUSBAR_NEW	1	SWG_TYPE	SL
	2	SUB_TYPE	PM
	3	USAGE	HV
	4	Z	null
BUSBAR_REP	1	SWG_TYPE	SL
	2	SUB_TYPE	PM
	3	USAGE	HV
	4	Z	null
BUS_AREVA_3_SWITCH_EXT	1	SUB_TYPE	PS
	2	SWG_TYPE	A
BUS_AREVA_3_SWITCH_NEW	1	SUB_TYPE	PS
	2	SWG_TYPE	A
CABLE_LARGE_EXT	1	COND_CODE	
	2	FB_REFERENCE	
	3	STATE	Inservice
	4	XSECT_SIZE	Medium
	5	NOTES	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	6	Z	null
CABLE_LARGE_NEW	1	COND_CODE	T84 - 240mm2 Al 4C XLPE/PVC (UG) .415
	2	FB_REFERENCE	
	3	STATE	Proposed
	4	XSECT_SIZE	Medium
	5	NOTES	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	Z	null
CABLE_MED_EXT	1	COND_CODE	
	2	FB_REFERENCE	
	3	STATE	Inservice
	4	XSECT_SIZE	Medium
	5	NOTES	
	6	Z	null
CABLE_MED_NEW	1	COND_CODE	T84 - 240mm2 Al 4C XLPE/PVC (UG) .415
	2	FB_REFERENCE	
	3	STATE	Proposed
	4	XSECT_SIZE	Medium
	5	NOTES	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	Z	null
CABLE_SMALL_EXT	1	COND_CODE	
	2	FB_REFERENCE	
	3	STATE	Inservice
	4	XSECT_SIZE	Small
	5	NOTES	
	6	Z	null
CABLE_SMALL_NEW	1	COND_CODE	T84 - 240mm2 Al 4C XLPE/PVC (UG) .415
	2	FB_REFERENCE	
	3	STATE	Proposed
	4	XSECT_SIZE	Small
	5	NOTES	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	Z	null
CCP_EXT	1	CCP_TYPE	LV Customer

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	USAGE	LV
	8	LEGEND	EXISTING CUSTOMER
	9	LIFE_SUPPORT	
	10	STATE	Inservice
	11	NOTES	
	12	Z	null
CCP_NEW	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	LV
	4	LEGEND	NEW CUSTOMER
	5	LIFE_SUPPORT	
	6	STATE	Proposed
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	OPERATING_VOLTAGE	LV
	11	CONSTRUCTED_VOLTAGE	LV
	12	NUMBER_OF_PHASES	1
	13	Z	null
CIRCUIT_BREAKER_EXT	1	STATE	
	2	LOCATION	
	3	ASSET_NUM	
	4	USAGE	
	5	ORIENTATION	
	6	NOTES	
	7	Z	null
CIRCUIT_BREAKER_NEW	1	STATE	
	2	LOCATION	
	3	ASSET_NUM	
	4	USAGE	
	5	ORIENTATION	
	6	NOTES	
	7	Z	null
COLUMN_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	COLUMN_TYPE	Steel (LV)
	4	OWNED_BY	IE
	5	STATE	Proposed
	6	USAGE	LV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	7	LEGEND	REMOVED COLUMN
	8	PARENT	
	9	SUBURB	
	10	STREETNAME	
	11	LOCATION	
	12	NOTES	
	13	Z	null
COLUMN_EXT	1	ASSET_NUM	
	2	STRUCTURE_PLANT_NUMBER	
	3	STREET_CODE	
	4	COLUMN_TYPE	Steel (LV)
	5	OWNED_BY	IE
	6	STATE	Inservice
	7	USAGE	LV
	8	LEGEND	EXISTING COLUMN
	9	LOCATION	
	10	STREETNAME	
	11	SUBURB	
	12	NOTES	
	13	Z	null
COLUMN_NEW	1	ASSET_NUM	
	2	STRUCTURE_PLANT_NUMBER	
	3	STREET_CODE	
	4	COLUMN_TYPE	Steel(SL Only)
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	STATE	Proposed
	9	USAGE	SL
	10	LEGEND	NEW COLUMN
	11	PARENT	
	12	SUBURB	
	13	STREETNAME	
	14	LOCATION	
	15	NOTES	
	16	LABEL_ALIGNMENT	Centre right
	17	Z	null
COLUMN_PANEL_NEW	1	ASSET_NUM	XXXXX
	2	USAGE	LV
	3	ORIENTATION	UG
	4	LEGEND	NEW COLUMN
	5	PARENT	
	6	SUBURB	
	7	STREETNAME	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	8	LOCATION	
	9	NOTES	
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	OPERATING_VOLTAGE	LV
	14	CONSTRUCTED_VOLTAGE	LV
	15	NUMBER_OF_PHASES	3
	16	TYPE	LV
	17	Z	null
COLUMN_REPLACE_NEW	1	ASSET_NUM	
	2	STRUCTURE_PLANT_NUMBER	
	3	STREET_CODE	
	4	COLUMN_TYPE	Steel (LV)
	5	OWNED_BY	IE
	6	STATE	Proposed
	7	USAGE	LV
	8	LEGEND	REPLACED COLUMN
	9	PARENT	
	10	SUBURB	
	11	STREETNAME	
	12	LOCATION	
	13	NOTES	
	14	Z	null
CONNECTOR_NODE_EXT	1	CONNECTOR_TYPE	Pilot Joint
	2	CONSTRUCTED_VOLTAGE	Pilot
	3	NO_PHASES	0
	4	OPERATING_VOLTAGE	
	5	ORIENTATION	UG
	6	SUBTYPE	Joint
	7	USAGE	HV
	8	NOTES	
	9	Z	null
CONNECTOR_NODE_NEW	1	CONNECTOR_TYPE	Pilot Joint
	2	CONSTRUCTED_VOLTAGE	Pilot
	3	NO_PHASES	0
	4	OPERATING_VOLTAGE	
	5	ORIENTATION	UG
	6	SUBTYPE	Joint
	7	USAGE	HV
	8	NOTES	
	9	Z	null
CUBICLE_DEL	1	ASSET_NUM	
	2	STREET_CODE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	Z	null
CUBICLE_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	STATE	Inservice
	5	USAGE	LV
	6	LEGEND	EXISTING CUBICLE
	7	LOCATION	
	8	PARENT	
	9	STREETNAME	
	10	SUBURB	
	11	NOTES	
	12	Z	null
CUBICLE_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	STATE	Proposed
	5	USAGE	LV
	6	LEGEND	NEW CUBICLE
	7	PARENT	
	8	SUBURB	
	9	STREETNAME	
	10	LOCATION	
	11	NOTES	
	12	Z	null
CUBICLE_REPLACE_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	STATE	Proposed
	5	USAGE	LV
	6	LEGEND	REPLACED CUBICLE
	7	PARENT	
	8	SUBURB	
	9	STREETNAME	
	10	LOCATION	
	11	NOTES	
	12	Z	null
Cable Easement	1	1234	
	2	DD/MM/YY	
	3	12/1234/1	
Callout	1	LINE_ONE	Line One
	2	LINE_TWO	Line Two
	3	LINE_THREE	Line Three
DUCT_50_EXT	1	DUCT_CODE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	XSECT_TYPE	Normal
	3	FB_REFERENCE	
	4	STATE	Inservice
	5	NOTES	
	6	Z	null
DUCT_50_NEW	1	DUCT_CODE	Small (26 - 99mm) PVC Conduit
	2	XSECT_TYPE	Normal
	3	FB_REFERENCE	
	4	STATE	Proposed
	5	NOTES	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	Z	null
DUCT_EXT	1	DUCT_CODE	
	2	XSECT_TYPE	Normal
	3	FB_REFERENCE	
	4	STATE	Inservice
	5	NOTES	
	6	Z	null
DUCT_INDICATOR	1	CODE	X
	2	Z	null
DUCT_LARGE_EXT	1	DUCT_CODE	125mm PVC Conduit
	2	XSECT_TYPE	Normal
	3	FB_REFERENCE	
	4	STATE	Inservice
	5	NOTES	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	Z	null
DUCT_LARGE_NEW	1	DUCT_CODE	125mm PVC Conduit
	2	XSECT_TYPE	Normal
	3	FB_REFERENCE	
	4	STATE	Proposed
	5	NOTES	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	Z	null
DUCT_NEW	1	DUCT_CODE	125mm PVC Conduit
	2	XSECT_TYPE	Normal
	3	FB_REFERENCE	
	4	STATE	Proposed

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	5	NOTES	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	Z	null
DUCT_SMALL_EXT	1	DUCT_CODE	Small (26 - 99mm) PVC Conduit
	2	XSECT_TYPE	Normal
	3	FB_REFERENCE	
	4	STATE	Inservice
	5	NOTES	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	Z	null
DUCT_SMALL_NEW	1	DUCT_CODE	Small (26 - 99mm) PVC Conduit
	2	XSECT_TYPE	Normal
	3	FB_REFERENCE	
	4	STATE	Proposed
	5	NOTES	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	Z	null
Dwg Notes	1	NAME	
	2	DATE	
EARTHING_POINT_DEL	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	EARTH_TYPE	LV Earthing
	5	FEEDER_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	ORIENTATION	OH
	10	STATE	Inservice
	11	Z	null
EARTHING_POINT_EXT	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	EARTH_TYPE	LV Earthing
	5	FEEDER_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	9	ORIENTATION	OH
	10	STATE	Inservice
	11	Z	null
EARTHING_POINT_NEW	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	EARTH_TYPE	LV Earthing
	5	FEEDER_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	ORIENTATION	OH
	10	STATE	Proposed
	11	Z	null
EARTH_CONNECTION_EXT	1	CONNECTION_TYPE	Termination
	2	FEEDER_NUMBER	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	ORIENTATION	OH
	7	STATE	Inservice
	8	EARTH_TYPE	OHEW
	9	Z	null
EARTH_CONNECTION_JOINT_EXT	1	CONNECTION_TYPE	Termination
	2	FEEDER_NUMBER	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	ORIENTATION	OH
	7	STATE	Inservice
	8	EARTH_TYPE	OHEW
	9	Z	null
EARTH_CONNECTION_JOINT_NEW	1	CONNECTION_TYPE	Termination
	2	FEEDER_NUMBER	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	ORIENTATION	OH
	7	STATE	Proposed
	8	EARTH_TYPE	OHEW
	9	Z	null
EARTH_CONNECTION_NEW	1	CONNECTION_TYPE	Termination
	2	FEEDER_NUMBER	
	3	OWNED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	ORIENTATION	OH
	7	STATE	Proposed
	8	EARTH_TYPE	OHEW
	9	Z	null
EARTH_GRID_ELECTRODE_EXT	1	CONNECTION_TYPE	Termination
	2	FEEDER_NUMBER	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	ORIENTATION	OH
	7	STATE	Inservice
	8	EARTH_TYPE	OHEW
	9	Z	null
EARTH_GRID_ELECTRODE_NEW	1	CONNECTION_TYPE	Termination
	2	FEEDER_NUMBER	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	ORIENTATION	OH
	7	STATE	Proposed
	8	EARTH_TYPE	OHEW
	9	Z	null
EARTH_SUBSTATION_ASSET_EXT	1	CONNECTION_TYPE	Termination
	2	FEEDER_NUMBER	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	ORIENTATION	OH
	7	STATE	Inservice
	8	EARTH_TYPE	OHEW
	9	Z	null
EARTH_SUBSTATION_ASSET_NEW	1	CONNECTION_TYPE	Termination
	2	FEEDER_NUMBER	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	ORIENTATION	OH
	7	STATE	Proposed
	8	EARTH_TYPE	OHEW
	9	Z	null
ENDCAP_SL_EXT	1	CONNECTOR_TYPE	End Cap
	2	CONSTRUCTED_VOLTAGE	LV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	STATE	In Service
	8	USAGE	SL
	9	LEGEND	END CAP
	10	NOTES	
	11	Z	null
ENDCAP_SL_NEW	1	CONNECTOR_TYPE	End Cap
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	STATE	Proposed
	8	USAGE	SL
	9	LEGEND	END CAP
	10	NOTES	
	11	Z	null
End Shackle_EXT	1	CONNECTOR_TYPE	End Shackle
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	STATE	Inservice
	8	USAGE	LV
	9	NOTES	
	10	Z	null
End Shackle_NEW	1	CONNECTOR_TYPE	End Shackle
	2	CONSTRUCTED_VOLTAGE	22kV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	STATE	Proposed
	8	USAGE	LV
	9	NOTES	
	10	MAINTAINED_BY	IE
	11	OPERATED_BY	IE
	12	Z	null
End Shackle_SL_NEW	1	CONNECTOR_TYPE	End Shackle
	2	CONSTRUCTED_VOLTAGE	LV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Proposed
	10	USAGE	LV
	11	NOTES	
	12	TYPE	End Shackle
	13	Z	null
Err_Circle	1	ERR_NUMBER	
	2	ERR_TYPE	
FAULT_INDICATOR_MANUAL_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	FLITE_NUMBER	
	5	INDICATOR_TYPE	Manual
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	STATE	Inservice
	10	USAGE	HV
	11	LEGEND	EXISTING MANUAL FAULT INDICATOR
	12	LOCATION	
	13	STREETNAME	
	14	SUBURB	
	15	NOTES	
	16	Z	null
FAULT_INDICATOR_MANUAL_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	FLITE_NUMBER	
	5	INDICATOR_TYPE	Manual
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	NUMBER_OF_PHASES	3
	12	STATE	Proposed
	13	USAGE	HV
	14	LEGEND	NEW MANUAL FAULT

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
			INDICATOR
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	Z	null
FAULT_INDICATOR_SC_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	FLITE_NUMBER	
	5	INDICATOR_TYPE	Supervisory Control
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	STATE	Inservice
	10	USAGE	HV
	11	LEGEND	EXISTINGFAULT INDICATOR SC
	12	LOCATION	
	13	STREETNAME	
	14	SUBURB	
	15	NOTES	
	16	Z	null
FAULT_INDICATOR_SC_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	FLITE_NUMBER	1
	5	INDICATOR_TYPE	Supervisory Control
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	NUMBER_OF_PHASES	3
	12	STATE	Proposed
	13	USAGE	HV
	14	LEGEND	NEW FAULT INDICATOR SC
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	Z	null
FAULT_INDICATOR_SE_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	FLITE_NUMBER	
	5	INDICATOR_TYPE	Self Resetting
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	NUMBER_OF_PHASES	3
	12	STATE	Inservice
	13	USAGE	HV
	14	LEGEND	EXISTING FAULT INDICATOR SELF RESETTING
	15	LOCATION	
	16	STREETNAME	
	17	SUBURB	
	18	NOTES	
	19	Z	null
FAULT_INDICATOR_SE_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	FLITE_NUMBER	
	5	INDICATOR_TYPE	Self Resetting
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	NUMBER_OF_PHASES	3
	12	STATE	Proposed
	13	USAGE	HV
	14	LEGEND	NEW FAULT INDICATOR SELF RESETTING
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	Z	null
GENERATOR_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	UG
	7	OWNED_BY	NIE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	8	STATE	Inservice
	9	USAGE	HV
	10	LEGEND	EXISTING GENERATOR
	11	STREETNAME	
	12	SUBURB	
	13	NOTES	
	14	Z	null
GENERATOR_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	OH
	6	OWNED_BY	NotIE
	7	STATE	Proposed
	8	USAGE	HV
	9	LEGEND	NEW GENERATOR
	10	SUBURB	
	11	STREETNAME	
	12	NOTES	
	13	MAINTAINED_BY	
	14	OPERATED_BY	
	15	CONSTRUCTED_VOLTAGE	11kV
	16	Z	null
HOLEC_AABCA_EXT	1	ASSET_NUM1	XXXXXX
	2	ASSET_NUM2	XXXXXX
	3	ASSET_NUM3	XXXXXX
	4	ASSET_NUM4	XXXXXX
	5	SUB_TYPE	PS
	6	SWG_TYPE	H
	7	Z	null
HOLEC_AASAA_EXT	1	ASSET_NUM1	XXXXXX
	2	ASSET_NUM2	XXXXXX
	3	ASSET_NUM3	XXXXXX
	4	ASSET_NUM4	XXXXXX
	5	SUB_TYPE	PM
	6	SWG_TYPE	SL
	7	Z	null
HOLEC_AASA_EXT	1	ASSET_NUM1	XXXXXX
	2	ASSET_NUM2	XXXXXX
	3	ASSET_NUM3	XXXXXX
	4	SUB_TYPE	PM
	5	SWG_TYPE	SL
	6	Z	null
HOLEC_ABCA_EXT	1	ASSET_NUM1	XXXXXX

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	ASSET_NUM2	XXXXX
	3	ASSET_NUM3	XXXXX
	4	SUB_TYPE	PS
	5	SWG_TYPE	H
	6	Z	null
HOLEC_AC_EXT	1	ASSET_NUM1	XXXXX
	2	ASSET_NUM2	XXXXX
	3	SUB_TYPE	PS
	4	SWG_TYPE	H
	5	Z	null
HVCUST_NEW	1	ASSET_NUM	XXXXX
	2	ORIENTATION	OH
	3	PARENT	
	4	SUBSTATION_TYPE	Ground HV-Customer
	5	USAGE	HV
	6	LEGEND	GROUND HV CUSTOMER
	7	SUBURB	
	8	STREETNAME	
	9	LOCATION	
	10	NOTES	
	11	Z	null
HV_ABS_CLOSED_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	STATE	Inservice
	10	SWITCH_TYPE	Air Break
	11	USAGE	HV
	12	LEGEND	AIR BREAK SWITCH CLOSED
	13	LOCATION	
	14	STREETNAME	
	15	SUBURB	
	16	NOTES	
	17	Z	null
HV_ABS_CLOSED_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	STATE	Proposed
	10	SWITCH_TYPE	Air Break
	11	USAGE	HV
	12	LEGEND	AIR BREAK SWITCH CLOSED
	13	SUBURB	
	14	STREETNAME	
	15	LOCATION	
	16	NOTES	
	17	MAINTAINED_BY	IE
	18	OPERATED_BY	IE
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_ABS_OPEN_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	STATE	Inservice
	10	SWITCH_TYPE	Air Break
	11	USAGE	HV
	12	LEGEND	AIR BREAK SWITCH OPEN
	13	LOCATION	
	14	STREETNAME	
	15	SUBURB	
	16	NOTES	
	17	MAINTAINED_BY	IE
	18	OPERATED_BY	IE
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_ABS_OPEN_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	STATE	Proposed
	10	SWITCH_TYPE	Air Break

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	USAGE	HV
	12	LEGEND	AIR BREAK SWITCH OPEN
	13	SUBURB	
	14	STREETNAME	
	15	LOCATION	
	16	NOTES	
	17	MAINTAINED_BY	IE
	18	OPERATED_BY	IE
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_CABLE_PIT_DEL	1	STATE	In Service
	2	USAGE	HV
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	EQUIPMENT_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	TYPE	Cable Pit
	10	Z	null
HV_CABLE_PIT_EXT	1	STATE	In Service
	2	USAGE	HV
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	EQUIPMENT_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	TYPE	Cable Pit
	10	Z	null
HV_CABLE_PIT_NEW	1	STATE	In Service
	2	USAGE	HV
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	EQUIPMENT_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	TYPE	Cable Pit
	10	Z	null
HV_CAPACITOR_BANK_EXT	1	ASSET_NUM	
	2	STATE	Proposed
	3	BANK_NUMBER	
	4	STRUCTURED_PLANT_NUMBER	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	5	USAGE	HV
	6	STREET_CODE	NotSet
	7	LOCATION	
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	ORIENTATION	OH
	12	OPERATING_VOLTAGE	11kV
	13	CONSTRUCTED_VOLTAGE	11kV
	14	FEEDER_NUMBER	
	15	FEEDER_NUMBER2	
	16	NO_PHASES	3
	17	PHASE	
	18	ACTUAL_STATUS	Closed
	19	Z	null
HV_CAPACITOR_BANK_NEW	1	ASSET_NUM	
	2	STATE	Proposed
	3	BANK_NUMBER	
	4	STRUCTURED_PLANT_NUMBER	
	5	USAGE	HV
	6	STREET_CODE	NotSet
	7	LOCATION	
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	ORIENTATION	OH
	12	OPERATING_VOLTAGE	11kV
	13	CONSTRUCTED_VOLTAGE	11kV
	14	FEEDER_NUMBER	
	15	FEEDER_NUMBER2	
	16	NO_PHASES	3
	17	PHASE	
	18	ACTUAL_STATUS	Closed
	19	Z	null
HV_CAPACITOR_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CAPACITOR_TYPE	Normal
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	MAINTAINED_BY	IE
	9	OPERATED_BY	IE
	10	OWNED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	STATE	Inservice
	12	USAGE	HV
	13	LEGEND	HV CAPACITOR
	14	LOCATION	
	15	STREETNAME	
	16	SUBURB	
	17	NOTES	
	18	Z	null
HV_CAPACITOR_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	ORIENTATION	OH
	5	MAINTAINED_BY	IE
	6	OPERATED_BY	IE
	7	OWNED_BY	IE
	8	STATE	Proposed
	9	USAGE	HV
	10	LEGEND	HV CAPACITOR
	11	SUBURB	
	12	STREETNAME	
	13	LOCATION	
	14	NOTES	
	15	MAINTAINED_BY	IE
	16	OPERATED_BY	IE
	17	CONSTRUCTED_VOLTAGE	11kV
	18	OPERATING_VOLTAGE	11kV
	19	ASSET_LABEL_ALIGNMENT	Centre Right
	20	KVAR_LABEL_ALIGNMENT	Centre Right
	21	TYPE	Normal
	22	Z	null
HV_CB_AIR_EXT	1	STATE	Proposed
	2	ORIENTATION	UG
	3	USAGE	HV
HV_CB_AIR_NEW	1	STATE	Proposed
	2	ORIENTATION	OH
	3	USAGE	HV
	4	OWNED_BY	IE
	5	MAINTAINED_BY	IE
	6	OPERATED_BY	IE
	7	NUMBER_OF_PHASES	3
	8	CONSTRUCTED_VOLTAGE	11kV
	9	OPERATING_VOLTAGE	11kV
	10	ACTUAL_STATUS	Closed
	11	CB_TYPE	Circuit Isolator

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	12	Z	null
HV_CB_EXT	1	STATE	Proposed
	2	ORIENTATION	UG
	3	USAGE	HV
	4	Z	null
HV_CB_NEW	1	STATE	Proposed
	2	ORIENTATION	OH
	3	USAGE	HV
	4	OWNED_BY	IE
	5	MAINTAINED_BY	IE
	6	OPERATED_BY	IE
	7	NUMBER_OF_PHASES	3
	8	CONSTRUCTED_VOLTAGE	11kV
	9	OPERATING_VOLTAGE	11kV
	10	ACTUAL_STATUS	Closed
	11	CB_TYPE	Circuit Isolator
	12	Z	null
HV_CB_SPRING_EXT	1	STATE	Proposed
	2	ORIENTATION	UG
	3	USAGE	HV
	4	Z	null
HV_CB_SPRING_NEW	1	STATE	Proposed
	2	ORIENTATION	OH
	3	USAGE	HV
	4	OWNED_BY	IE
	5	MAINTAINED_BY	IE
	6	OPERATED_BY	IE
	7	NUMBER_OF_PHASES	3
	8	CONSTRUCTED_VOLTAGE	11kV
	9	OPERATING_VOLTAGE	11kV
	10	ACTUAL_STATUS	Closed
	11	CB_TYPE	Circuit Isolator
	12	Z	null
HV_CCP_EXT	1	CCP_TYPE	HV Customer
	2	ORIENTATION	UG
	3	USAGE	HV
	4	LEGEND	EXISTING CUSTOMER
	5	LIFE_SUPPORT	
	6	NOTES	
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	CONSTRUCTED_VOLTAGE	11kV
	11	OPERATING_VOLTAGE	11kV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	12	STATE	Proposed
	13	NUMBER_OF_PHASES	3
	14	Z	null
HV_CCP_NEW	1	CCP_TYPE	HV Customer
	2	ORIENTATION	UG
	3	USAGE	HV
	4	LEGEND	NEW CUSTOMER
	5	LIFE_SUPPORT	
	6	NOTES	
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	CONSTRUCTED_VOLTAGE	11kV
	11	OPERATING_VOLTAGE	11kV
	12	STATE	Proposed
	13	NUMBER_OF_PHASES	3
	14	Z	null
HV_CUSTOMER_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	PARENT	
	13	SUBSTATION_TYPE	Ground HV-Customer
	14	USAGE	HV
	15	LEGEND	GROUND HV CUSTOMER
	16	LOCATION	
	17	STREETNAME	
	18	SUBURB	
	19	NOTES	
	20	Z	null
HV_CUSTOMER_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	UG
	6	OWNED_BY	NotIE
	7	OPERATED_BY	NotIE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	8	MAINTAINED_BY	NotIE
	9	CONSTRUCTED_VOLTAGE	11kV
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Proposed
	12	PARENT	
	13	SUBSTATION_TYPE	Ground HV-Customer
	14	USAGE	HV
	15	LEGEND	GROUND HV CUSTOMER
	16	SUBURB	
	17	STREETNAME	
	18	LOCATION	
	19	NOTES	
	20	Z	null
HV_Capacitor_Bank	1	ASSET_NUM	
	2	STATE	Proposed
	3	BANK_NUMBER	
	4	STRUCTURED_PLANT_NUMBER	
	5	USAGE	HV
	6	STREET_CODE	NotSet
	7	LOCATION	
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	ORIENTATION	OH
	12	OPERATING_VOLTAGE	11kV
	13	CONSTRUCTED_VOLTAGE	11kV
	14	FEEDER_NUMBER	
	15	FEEDER_NUMBER2	
	16	NO_PHASES	3
	17	PHASE	
	18	ACTUAL_STATUS	Closed
	19	Z	null
HV_DOF_CLOSED_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Inservice
	12	SWITCH_TYPE	Drop out Fuse

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	13	USAGE	HV
	14	LEGEND	DROP OUT FUSE CLOSED
	15	LOCATION	
	16	STREETNAME	
	17	SUBURB	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_DOF_CLOSED_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Proposed
	12	SWITCH_TYPE	Drop out Fuse
	13	USAGE	HV
	14	LEGEND	DROP OUT FUSE CLOSED
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_DOF_OPEN_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Inservice
	12	SWITCH_TYPE	Drop out Fuse
	13	USAGE	HV
	14	LEGEND	DROP OUT FUSE OPEN
	15	LOCATION	
	16	STREETNAME	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	17	SUBURB	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_DOF_OPEN_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Proposed
	12	SWITCH_TYPE	Drop out Fuse
	13	USAGE	HV
	14	LEGEND	DROP OUT FUSE OPEN
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_ENDCAP_EXT	1	CONNECTOR_TYPE	End Cap
	2	CONSTRUCTED_VOLTAGE	11kV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Inservice
	10	USAGE	HV
	11	LEGEND	END CAP
	12	NOTES	
	13	Z	null
HV_ENDCAP_NEW	1	CONNECTOR_TYPE	End Cap
	2	CONSTRUCTED_VOLTAGE	11kV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	8	MAINTAINED_BY	IE
	9	STATE	Proposed
	10	USAGE	HV
	11	LEGEND	END CAP
	12	NOTES	
	13	Z	null
HV_End Shackle_EXT	1	CONNECTOR_TYPE	End Shackle
	2	CONSTRUCTED_VOLTAGE	HV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	HV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Inservice
	10	USAGE	HV
	11	NOTES	
	12	Z	null
HV_End Shackle_NEW	1	CONNECTOR_TYPE	End Shackle
	2	CONSTRUCTED_VOLTAGE	22kV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Proposed
	10	USAGE	HV
	11	NOTES	
	12	Z	null
HV_LBS_CLOSED_EXT	1	ASSET_NUM	
	2	ACTUAL_STATUS	Closed
	3	CONSTRUCTED_VOLTAGE	22kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SWITCH_TYPE	Load Break Switch
	11	USAGE	HV
	12	LEGEND	LOAD BREAK SWITCH CLOSED
	13	LOCATION	
	14	NOTES	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	15	STREETNAME	
	16	SUBURB	
	17	LABEL_ALIGNMENT	Centre Right
	18	Z	null
HV_LBS_CLOSED_NEW	1	ASSET_NUM	
	2	ACTUAL_STATUS	Closed
	3	CONSTRUCTED_VOLTAGE	22kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	STATE	Proposed
	11	SWITCH_TYPE	Load Break Switch
	12	USAGE	HV
	13	LEGEND	LOAD BREAK SWITCH CLOSED
	14	LOCATION	
	15	NOTES	
	16	STREETNAME	
	17	SUBURB	
	18	LABEL_ALIGNMENT	Centre Right
	19	Z	null
HV_LBS_OPEN_EXT	1	ASSET_NUM	
	2	ACTUAL_STATUS	Open
	3	CONSTRUCTED_VOLTAGE	22kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SWITCH_TYPE	Load Break Switch
	11	USAGE	HV
	12	LEGEND	LOAD BREAK SWITCH OPEN
	13	LOCATION	
	14	NOTES	
	15	STREETNAME	
	16	SUBURB	
	17	LABEL_ALIGNMENT	Centre Right
	18	Z	null
HV_LBS_OPEN_NEW	1	ASSET_NUM	
	2	ACTUAL_STATUS	Open
	3	CONSTRUCTED_VOLTAGE	22kV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	STATE	Proposed
	11	SWITCH_TYPE	Load Break Switch
	12	USAGE	HV
	13	LEGEND	LOAD BREAK SWITCH OPEN
	14	LOCATION	
	15	NOTES	
	16	STREETNAME	
	17	SUBURB	
	18	LABEL_ALIGNMENT	Centre Right
	19	Z	null
HV_LOAD_BREAK_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Inservice
	12	SWITCH_TYPE	Load Break
	13	USAGE	HV
	14	LEGEND	LOAD BREAK SWITCH
	15	LOCATION	
	16	STREETNAME	
	17	SUBURB	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_LOAD_BREAK_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Proposed
	12	SWITCH_TYPE	Load Break
	13	USAGE	HV
	14	LEGEND	LOAD BREAK SWITCH
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_LOAD_TRANSFER_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Inservice
	12	SWITCH_TYPE	Load Transfer
	13	USAGE	HV
	14	LOCATION	
	15	STREETNAME	
	16	SUBURB	
	17	NOTES	
	18	LABEL_ALIGNMENT	Centre Right
	19	Z	null
HV_LOAD_TRANSFER_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Proposed
	12	SWITCH_TYPE	Load Transfer
	13	USAGE	HV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	14	SUBURB	
	15	STREETNAME	
	16	LOCATION	
	17	NOTES	
	18	LABEL_ALIGNMENT	Centre Right
	19	Z	null
HV_REACTOR_EXT	1	ASSET_NUM	
	2	STATE	InService
	3	STRUCTURED_PLANT_NUMBER	
	4	USAGE	HV
	5	STREET_CODE	NotSet
	6	LOCATION	
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	ORIENTATION	OH
	11	OPERATING_VOLTAGE	11kV
	12	CONSTRUCTED_VOLTAGE	11kV
	13	FEEDER_NUMBER	
	14	FEEDER_NUMBER2	
	15	NO_PHASES	3
	16	PHASE	
	17	ACTUAL_STATUS	Closed
	18	Z	null
HV_REACTOR_NEW	1	ASSET_NUM	
	2	STATE	Proposed
	3	STRUCTURED_PLANT_NUMBER	
	4	USAGE	HV
	5	STREET_CODE	NotSet
	6	LOCATION	
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	ORIENTATION	OH
	11	OPERATING_VOLTAGE	11kV
	12	CONSTRUCTED_VOLTAGE	11kV
	13	FEEDER_NUMBER	
	14	FEEDER_NUMBER2	
	15	NO_PHASES	3
	16	PHASE	
	17	ACTUAL_STATUS	Closed
	18	Z	null
HV_REGULATOR_DEL	1	ASSET_NUM	
	2	STREET_CODE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	OWNED_BY	IE
	10	REGULATOR_TYPE	AREG
	11	STATE	Inservice
	12	USAGE	HV
	13	LEGEND	HV REGULATOR
	14	SUBURB	
	15	STREETNAME	
	16	LOCATION	
	17	NOTES	
	18	Z	null
HV_REGULATOR_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	OWNED_BY	IE
	10	REGULATOR_TYPE	AREG
	11	STATE	Inservice
	12	USAGE	HV
	13	LEGEND	HV REGULATOR
	14	LOCATION	
	15	STREETNAME	
	16	SUBURB	
	17	NOTES	
	18	Z	null
HV_REGULATOR_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	REGULATOR_TYPE	Auto Regulator

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	STATE	Proposed
	12	USAGE	HV
	13	LEGEND	HV REGULATOR
	14	SUBURB	
	15	STREETNAME	
	16	LOCATION	
	17	NOTES	
	18	Z	null
HV_STJ_EXT	1	ORIENTATION	UG
	2	USAGE	HV
	3	LEGEND	STJ
	4	NOTES	
	5	Z	null
HV_STJ_NEW	1	ORIENTATION	UG
	2	USAGE	HV
	3	LEGEND	STJ
	4	NOTES	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	TYPE	Straight Through Joint
	9	OPERATING_VOLTAGE	11kV
	10	CONSTRUCTED_VOLTAGE	11kV
	11	NUMBER_OF_PHASES	3
	12	Z	null
HV_UGOH_EXT	1	CONSTRUCTED_VOLTAGE	11kV
	2	OPERATING_VOLTAGE	11kV
	3	ORIENTATION	UG
	4	STATE	In Service
	5	USAGE	HV
	6	Z	null
HV_UGOH_NEW	1	CONSTRUCTED_VOLTAGE	11kV
	2	OPERATING_VOLTAGE	11kV
	3	ORIENTATION	OH
	4	STATE	Proposed
	5	USAGE	HV
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	ACTUAL_STATUS	Closed
	10	NUMBER_OF_PHASES	3
	11	TYPE	UGOH
	12	Z	null
HV_USL_CLOSED_EXT	1	ASSET_NUM	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Inservice
	12	SWITCH_TYPE	Underslung Link
	13	USAGE	HV
	14	LEGEND	UNDER SLUNG LINK CLOSED
	15	LOCATION	
	16	STREETNAME	
	17	SUBURB	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_USL_CLOSED_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Proposed
	12	SWITCH_TYPE	Underslung Link
	13	USAGE	HV
	14	LEGEND	UNDER SLUNG LINK CLOSED
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre right
	20	Z	null
HV_USL_OPEN_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Inservice
	12	SWITCH_TYPE	Underslung Link
	13	USAGE	HV
	14	LEGEND	UNDER SLUNG LINK OPEN
	15	LOCATION	
	16	STREETNAME	
	17	SUBURB	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
HV_USL_OPEN_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STATE	Proposed
	12	SWITCH_TYPE	Underslung Link
	13	USAGE	HV
	14	LEGEND	UNDER SLUNG LINK OPEN
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
JOINT_TERMINATION_EXT	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	STATE	Inservice

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	10	Z	null
JOINT_TERMINATION_NEW	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	STATE	Proposed
	10	Z	null
JUNCTION_BOX_EXT	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	STATE	Inservice
	10	Z	null
JUNCTION_BOX_NEW	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	STATE	Proposed
	10	Z	null
JUNCTION_KIOSK_EXT	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	STATE	Inservice
	10	Z	null
JUNCTION_KIOSK_NEW	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	STATE	Proposed
	10	Z	null
LV_CCP_EXT	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	LV
	4	LEGEND	EXISTING CUSTOMER
	5	LIFE_SUPPORT	
	6	NOTES	
	7	Z	null
LV_CCP_NEW	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	LV
	4	LEGEND	NEW CUSTOMER
	5	LIFE_SUPPORT	
	6	NOTES	
	7	Z	null
LV_CN_EXT	1	ORIENTATION	UG
	2	USAGE	LV
	3	NOTES	
	4	Z	null
LV_CN_NEW	1	ORIENTATION	UG
	2	USAGE	LV
	3	NOTES	
	4	Z	null
LV_ENDCAP_EXT	1	CONNECTOR_TYPE	End Cap
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	STATE	In Service
	8	USAGE	LV
	9	LEGEND	END CAP
	10	NOTES	
	11	Z	null
LV_ENDCAP_NEW	1	CONNECTOR_TYPE	End Cap
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	5	MAINTAINED_BY	IE
	6	OPERATING_VOLTAGE	LV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	STATE	Proposed
	10	USAGE	LV
	11	LEGEND	END CAP
	12	NOTES	
	13	Z	null
LV_End Shackle_EXT	1	CONNECTOR_TYPE	End Shackle
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	STATE	Inservice
	8	USAGE	LV
	9	NOTES	
	10	Z	null
LV_End Shackle_NEW	1	CONNECTOR_TYPE	End Shackle
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Proposed
	10	USAGE	LV
	11	NOTES	
	12	Z	null
LV_GENERATOR_EXT	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	LV
	4	LEGEND	EXISTING CUSTOMER
	5	LIFE_SUPPORT	
	6	NOTES	
	7	Z	null
LV_GENERATOR_LIFE_SUPPORT_EXT	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	LV
	4	LEGEND	EXISTING CUSTOMER
	5	LIFE_SUPPORT	
	6	NOTES	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	7	Z	null
LV_GENERATOR_LIFE_SUPPORT_NEW	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	LV
	4	LEGEND	NEW CUSTOMER
	5	LIFE_SUPPORT	
	6	STATE	Proposed
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	OPERATING_VOLTAGE	LV
	11	CONSTRUCTED_VOLTAGE	LV
	12	NUMBER_OF_PHASES	1
	13	Z	null
LV_GENERATOR_NEW	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	LV
	4	LEGEND	NEW CUSTOMER
	5	LIFE_SUPPORT	
	6	STATE	Proposed
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	OPERATING_VOLTAGE	LV
	11	CONSTRUCTED_VOLTAGE	LV
	12	NUMBER_OF_PHASES	1
	13	Z	null
LV_LIFE_SUPPORT_EXT	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	LV
	4	LEGEND	EXISTING CUSTOMER
	5	LIFE_SUPPORT	
	6	NOTES	
	7	Z	null
LV_LIFE_SUPPORT_NEW	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	LV
	4	LEGEND	NEW CUSTOMER
	5	LIFE_SUPPORT	
	6	STATE	Proposed
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	OPERATING_VOLTAGE	LV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	CONSTRUCTED_VOLTAGE	LV
	12	NUMBER_OF_PHASES	1
	13	Z	null
LV_OH_LINKS_CLOSED_EXT	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	STATE	Inservice
	8	SWITCH_TYPE	LV OH Link
	9	USAGE	LV
	10	NOTES	
	11	Z	null
LV_OH_LINKS_CLOSED_NEW	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Proposed
	10	SWITCH_TYPE	LV OH Link
	11	USAGE	LV
	12	NOTES	
	13	Z	null
LV_OH_LINKS_DISTFUSE_EXT	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	STATE	Inservice
	8	SWITCH_TYPE	DistributorFuse
	9	USAGE	LV
	10	NOTES	
	11	Z	null
LV_OH_LINKS_DISTFUSE_NEW	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Proposed
	10	SWITCH_TYPE	DistributorFuse
	11	USAGE	LV
	12	LEGEND	LV OH LINKS
	13	NOTES	
	14	Z	null
LV_OH_LINKS_OPEN_EXT	1	ACTUAL_STATUS	Open
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	STATE	Inservice
	8	SWITCH_TYPE	LV OH Link
	9	USAGE	LV
	10	LEGEND	LV OH LINKS OPEN
	11	NOTES	
	12	Z	null
LV_OH_LINKS_OPEN_NEW	1	ACTUAL_STATUS	Open
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Proposed
	10	SWITCH_TYPE	LV OH Link
	11	USAGE	LV
	12	NOTES	
	13	Z	null
LV_SERVICE_PIT_EXT	1	STATE	In Service
	2	USAGE	LV
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	EQUIPMENT_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	TYPE	Service Pit
	10	Z	null
LV_SERVICE_PIT_NEW	1	STATE	Proposed

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	USAGE	LV
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	EQUIPMENT_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	TYPE	Service Pit
	10	Z	null
LV_STJ_EXT	1	ORIENTATION	UG
	2	USAGE	LV
	3	LEGEND	STJ
	4	NOTES	
	5	Z	null
LV_STJ_NEW	1	ORIENTATION	UG
	2	USAGE	LV
	3	LEGEND	STJ
	4	NOTES	
	5	STATE	Proposed
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	OPERATING_VOLTAGE	LV
	10	CONSTRUCTED_VOLTAGE	LV
	11	NUMBER_OF_PHASES	3
	12	TYPE	Straight Through Joint
	13	Z	null
LV_UGOH_EXT	1	CONSTRUCTED_VOLTAGE	LV
	2	OPERATING_VOLTAGE	LV
	3	ORIENTATION	UG
	4	STATE	In Service
	5	USAGE	LV
	6	Z	null
LV_UGOH_NEW	1	CONSTRUCTED_VOLTAGE	LV
	2	OPERATING_VOLTAGE	LV
	3	ORIENTATION	UG
	4	STATE	Proposed
	5	USAGE	LV
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	NUMBER_OF_PHASES	3
	10	ACTUAL_STATUS	Closed
	11	TYPE	UGOH

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	12	Z	null
LV_UG_DFUSE_CLOSED_EXT	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Inservice
	7	SWITCH_TYPE	DistributorFuse
	8	USAGE	LV
	9	NOTES	
	10	Z	null
LV_UG_DFUSE_CLOSED_NEW	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	OWNED_BY	IE
	7	OPERATING_VOLTAGE	LV
	8	ORIENTATION	UG
	9	STATE	Proposed
	10	SWITCH_TYPE	DistributorFuse
	11	USAGE	LV
	12	NOTES	
	13	Z	null
LV_UG_DFUSE_OPEN_EXT	1	ACTUAL_STATUS	Open
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Inservice
	7	SWITCH_TYPE	DistributorFuse
	8	USAGE	LV
	9	NOTES	
	10	Z	null
LV_UG_DFUSE_OPEN_NEW	1	ACTUAL_STATUS	Open
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Proposed
	7	SWITCH_TYPE	DistributorFuse
	8	USAGE	LV
	9	NOTES	
	10	Z	null

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
LV_UG_FUSELINK_EXT	1	ORIENTATION	UG
	2	USAGE	LV
	3	NOTES	
	4	Z	null
LV_UG_FUSELINK_NEW	1	ORIENTATION	UG
	2	USAGE	LV
	3	NOTES	
	4	Z	null
LV_UG_INDPILL_1SW_EXISTING	1	ASSET_NUM	XXXXXX
	2	USAGE	LV
	3	ORIENTATION	UG
	4	LEGEND	NEW PILLAR
	5	PARENT	
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	TYPE	Mains
	15	LABEL_ALIGNMENT	Centre Right
	16	Z	null
LV_UG_INDPILL_1SW_NEW	1	ASSET_NUM	XXXXXX
	2	USAGE	LV
	3	ORIENTATION	UG
	4	LEGEND	NEW PILLAR
	5	PARENT	
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	TYPE	Mains
	15	LABEL_ALIGNMENT	Centre Right
	16	Z	null
LV_UG_INDPILL_2SW_EXISTING	1	ASSET_NUM	XXXXXX
	2	USAGE	LV
	3	ORIENTATION	UG
	4	LEGEND	NEW PILLAR

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	5	PARENT	
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	TYPE	Mains
	15	LABEL_ALIGNMENT	Centre Right
	16	Z	null
LV_UG_INDPILL_2SW_NEW	1	ASSET_NUM	XXXXX
	2	USAGE	LV
	3	ORIENTATION	UG
	4	LEGEND	NEW PILLAR
	5	PARENT	
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	TYPE	Mains
	15	LABEL_ALIGNMENT	Centre Right
	16	Z	null
LV_UG_LINKS_BOX_OPEN_EXT	1	ORIENTATION	OH
	2	USAGE	LV
	3	NOTES	
	4	Z	null
LV_UG_LINKS_BOX_OPEN_NEW	1	ORIENTATION	OH
	2	USAGE	LV
	3	LEGEND	LV LINK BOX
	4	NOTES	
	5	Z	null
LV_UG_LINKS_BOX_SOLID_EXT	1	ACTUAL_STATUS	
	2	CONNECTOR_TYPE	Link Box - Solid
	3	CONSTRUCTED_VOLTAGE	LV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	LV
	6	ORIENTATION	OH
	7	OWNED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	8	STATE	In Service
	9	USAGE	LV
	10	NOTES	
	11	Z	null
LV_UG_LINKS_BOX_SOLID_NEW	1	ACTUAL_STATUS	Closed
	2	CONNECTOR_TYPE	Link Box - Solid
	3	CONSTRUCTED_VOLTAGE	LV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	LV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	STATE	Proposed
	9	USAGE	LV
	10	NOTES	
	11	Z	null
LV_UG_LINKS_CLOSED_EXT	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Inservice
	7	SWITCH_TYPE	LV UG Link
	8	USAGE	LV
	9	NOTES	
	10	Z	null
LV_UG_LINKS_CLOSED_NEW	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Proposed
	7	SWITCH_TYPE	LV UG Link
	8	USAGE	LV
	9	NOTES	
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	NUMBER_OF_PHASES	3
	14	TYPE	Removable
	15	Z	null
LV_UG_LINKS_DISTFUSE_EXT	1	ACTUAL_STATUS	Open
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	5	ORIENTATION	OH
	6	STATE	In Service
	7	SWITCH_TYPE	DISTFUSE
	8	USAGE	LV
	9	NOTES	
	10	Z	null
LV_UG_LINKS_DISTFUSE_NEW	1	ACTUAL_STATUS	Open
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Proposed
	7	SWITCH_TYPE	DISTFUSE
	8	USAGE	LV
	9	NOTES	
	10	Z	null
LV_UG_LINKS_FUSE_EXT	1	ACTUAL_STATUS	Open
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	In Service
	7	SWITCH_TYPE	Fuse
	8	USAGE	LV
	9	LEGEND	LV UG LINKS
	10	NOTES	
	11	Z	null
LV_UG_LINKS_FUSE_NEW	1	ACTUAL_STATUS	Open
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Proposed
	7	SWITCH_TYPE	Fuse
	8	USAGE	LV
	9	NOTES	
	10	Z	null
LV_UG_LINKS_OPEN_EXT	1	ACTUAL_STATUS	Open
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Inservice
	7	SWITCH_TYPE	LV UG Link

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	8	USAGE	LV
	9	NOTES	
	10	Z	null
LV_UG_LINKS_OPEN_NEW	1	ORIENTATION	UG
	2	USAGE	LV
	3	NOTES	
	4	Z	null
LV_UG_LINKS_REMOVABLE_EXT	1	ACTUAL_STATUS	
	2	CONNECTOR_TYPE	Link Box - Removable Link
	3	CONSTRUCTED_VOLTAGE	LV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	LV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	STATE	Inservice
	9	USAGE	LV
	10	NOTES	
	11	Z	null
LV_UG_LINKS_REMOVABLE_NEW	1	ACTUAL_STATUS	Closed
	2	CONNECTOR_TYPE	Link Box - Removable Link
	3	CONSTRUCTED_VOLTAGE	LV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	LV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	STATE	Proposed
	9	USAGE	LV
	10	NOTES	
	11	Z	null
LV_UG_LINKS_SOLID_EXT	1	ORIENTATION	OH
	2	USAGE	LV
	3	NOTES	
	4	Z	null
LV_UG_LINKS_SOLID_NEW	1	ORIENTATION	OH
	2	USAGE	LV
	3	NOTES	
	4	Z	null
LV_UG_SW_EXISTING	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Proposed
	7	SWITCH_TYPE	DistributorFuse

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	8	USAGE	LV
	9	NOTES	
LV_UG_SW_NEW	1	ACTUAL_STATUS	Closed
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	STATE	Proposed
	7	SWITCH_TYPE	DistributorFuse
	8	USAGE	LV
	9	NOTES	
METERING_UNIT_EXT	1	CONSTRUCTED_VOLTAGE	22kV
	2	NO_PHASES	3
	3	OPERATING_VOLTAGE	11kV
	4	ORIENTATION	UG
	5	OWNED_BY	NIE
	6	STATE	Inservice
	7	USAGE	HV
	8	LEGEND	METERING UNIT
	9	STREETNAME	
	10	SUBURB	
	11	NOTES	
	12	Z	null
METERING_UNIT_NEW	1	CONSTRUCTED_VOLTAGE	11kV
	2	NO_PHASES	3
	3	OPERATING_VOLTAGE	11kV
	4	ORIENTATION	OH
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	STATE	Proposed
	9	USAGE	HV
	10	LEGEND	METERING UNIT
	11	SUBURB	
	12	STREETNAME	
	13	NOTES	
	14	CUSTOMER_TYPE	Switchboard
	15	Z	null
NOTE_DESIGN-COMPLIANCE	1	COMPANYNAME	XXXXXXXXXXXXXXXXXXXXXXX
	2	NAME	XXXXXXXXXXXXXXXXXXXXXXX
	3	SPN	XXXXXX
	4	DATE	XX/XX/XXXX
Note_Design Compliance	1	PNAME	XXXXXXXXXXXXX
	2	PNUMBER	XXXX

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
Note_IE Contact	1	%%UXXXXXXX	
	2	PHONE	(02) XXXX XXXX
OMS_TRANSFORMER_EXT	1	STATE	In Service
	2	USAGE	TR
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	OPERATING_VOLTAGE	132kV
	10	CONSTRUCTED_VOLTAGE	132kV
	11	NO_PHASES	3
	12	TRANSFORMER_TYPE	
	13	SECONDARY_VOLTAGE	11kV
	14	Z	null
OMS_TRANSFORMER_NEW	1	STATE	Proposed
	2	USAGE	TR
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	OPERATING_VOLTAGE	132kV
	10	CONSTRUCTED_VOLTAGE	132kV
	11	NO_PHASES	3
	12	TRANSFORMER_TYPE	
	13	SECONDARY_VOLTAGE	11kV
	14	Z	null
PANEL_EXT	1	CONNECTOR_TYPE	LV
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Inservice
	10	USAGE	LV
	11	NOTES	
	12	Z	null
PANEL_NEW	1	CONNECTOR_TYPE	LV
	2	CONSTRUCTED_VOLTAGE	LV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Proposed
	10	USAGE	LV
	11	NOTES	
	12	Z	null
PILLAR_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	STATE	Proposed
	5	SUPPORT_TYPE	Mains
	6	USAGE	LV
	7	LEGEND	DELETED PILLAR
	8	PARENT	
	9	SUBURB	
	10	STREETNAME	
	11	LOCATION	
	12	NOTES	
	13	Z	null
PILLAR_EXT	1	ASSET_NUM	
	2	OWNED_BY	IE
	3	STATE	Inservice
	4	SUPPORT_TYPE	Mains
	5	USAGE	LV
	6	LEGEND	EXISTING PILLAR
	7	LOCATION	
	8	NOTES	
	9	PARENT	
	10	STREETNAME	
	11	SUBURB	
PILLAR_LINK1_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	STATE	Proposed
	7	SUPPORT_TYPE	Mains
	8	USAGE	LV
	9	LEGEND	NEW PILLAR
	10	PARENT	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	SUBURB	
	12	STREETNAME	
	13	LOCATION	
	14	NOTES	
	15	Z	null
PILLAR_LINK2_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	STATE	Proposed
	7	SUPPORT_TYPE	Mains
	8	USAGE	LV
	9	LEGEND	NEW PILLAR
	10	PARENT	
	11	SUBURB	
	12	STREETNAME	
	13	LOCATION	
	14	NOTES	
	15	Z	null
PILLAR_LINK_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	STATE	Proposed
	7	SUPPORT_TYPE	Mains
	8	USAGE	LV
	9	LEGEND	NEW PILLAR
	10	PARENT	
	11	SUBURB	
	12	STREETNAME	
	13	LOCATION	
	14	NOTES	
	15	Z	null
PILLAR_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	STATE	Proposed
	7	SUPPORT_TYPE	Mains
	8	USAGE	LV
	9	LEGEND	NEW PILLAR

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	10	PARENT	
	11	SUBURB	
	12	STREETNAME	
	13	LOCATION	
	14	NOTES	
	15	Z	null
PILLAR_PANEL_NEW	1	ASSET_NUM	XXXXXX
	2	USAGE	LV
	3	ORIENTATION	UG
	4	LEGEND	NEW PILLAR
	5	PARENT	
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	TYPE	Mains
	15	LABEL_ALIGNMENT	Centre Right
	16	Z	null
PILLAR_REPLACE_NEW	1	ASSET_NUM	
	2	USAGE	LV
	3	LEGEND	REPLACED PILLAR
	4	LOCATION	
	5	NOTES	
	6	PARENT	
	7	STREETNAME	
	8	SUBURB	
	9	STATE	Proposed
	10	STREET_CODE_NUMBER	
	11	OWNED_BY	IE
	12	OPERATED_BY	IE
	13	MAINTAINED_BY	IE
	14	TYPE	Mains
	15	Z	null
PILOT_JOINT_BOX_EXT	1	CONNECTION_TYPE	Pilot Joint Box
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	8	ORIENTATION	OH
	9	STATE	Inservice
	10	Z	null
PILOT_JOINT_BOX_NEW	1	CONNECTION_TYPE	Pilot Joint Box
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	STATE	Proposed
	10	Z	null
PIT_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	STATE	Inservice
	5	SUPPORT_TYPE	Service Pit
	6	USAGE	LV
	7	LOCATION	
	8	NOTES	
	9	Z	null
PIT_NEW	1	ASSET_NUM	
	2	USAGE	LV
	3	ORIENTATION	UG
	4	OWNED_BY	IE
	5	OPERATED_BY	IE
	6	MAINTAINED_BY	IE
	7	STATE	Proposed
	8	TYPE	Cable Pit
	9	LABEL_ALIGNMENT	Centre Right
	10	Z	null
PIT_PANEL_NEW	1	ASSET_NUM	XXXXXX
	2	USAGE	LV
	3	ORIENTATION	UG
	4	OWNED_BY	IE
	5	OPERATED_BY	IE
	6	MAINTAINED_BY	IE
	7	STATE	Proposed
	8	TYPE	Cable Pit
	9	LABEL_ALIGNMENT	Centre Right
	10	Z	null
PM Sub	1	12345	
POLESUB_NEW	1	ASSET_NUM	XXXXXX

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	ORIENTATION	OH
	3	USAGE	HV
	4	SUBURB	
	5	STREETNAME	
	6	LOCATION	
	7	NOTES	
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	STREET_CODE_NUMBER	
	12	OPERATING_VOLTAGE	11kV
	13	CONSTRUCTED_VOLTAGE	11kV
	14	NUMBER_OF_PHASES	3
	15	SECONDARY_VOLTAGE	LV
	16	STATE	Proposed
	17	PARENT	
	18	SUBSTATION_TYPE	Pole
	19	LEGEND	NEWPOLESUBSTATION
	20	Z	null
POLE_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	SPECIAL_USE	Only Endeavour assets on pole
	5	STATE	Proposed
	6	USAGE	HV
	7	cLV	
	8	hDepth	
	9	hDia	
	10	cHV	
	11	LBRACKET	
	12	LExisting	
	13	LANTNUMBER	
	14	LOther	
	15	LRemove	
	16	LEGEND	DELETED POLE
	17	cLinedev	
	18	pExisting	
	19	PFNUMBER	
	20	NEWPFNUMBER	
	21	pFooting	
	22	pNew	
	23	pNumber	
	24	pRelocate	
	25	pRemove	X

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	26	pReplace	
	27	pStay	
	28	pType	
	29	cspan	
	30	SUBURB	
	31	STREETNAME	
	32	LOCATION	
	33	NOTES	
	34	Z	null
POLE_EXT	1	ASSET_NUM	
	2	STRUCTURE_PLANT_NUMBER	
	3	STREET_CODE	
	4	OWNED_BY	IE
	5	PARENT	
	6	SPECIAL_USE	Only Endeavour assets on pole
	7	STATE	Inservice
	8	USAGE	HV
	9	cLV	
	10	hDepth	
	11	hDia	
	12	cHV	
	13	LBRACKET	
	14	LExisting	
	15	LANTNUMBER	
	16	LOther	
	17	LRemove	
	18	LEGEND	EXISTING POLE
	19	cLinedev	
	20	LOCATION	
	21	pExisting	X
	22	PFNUMBER	
	23	NEWPFNUMBER	
	24	pFooting	
	25	pNew	
	26	pNumber	
	27	pRelocate	
	28	pRemove	
	29	pReplace	
	30	pStay	
	31	pType	
	32	cspan	
	33	STREETNAME	
	34	SUBURB	
	35	NOTES	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	36	MAINTAINED_BY	IE
	37	OPERATED_BY	IE
	38	Z	null
POLE_NEW	1	ASSET_NUM	
	2	STRUCTURE_PLANT_NUMBER	
	3	STREET_CODE	
	4	OWNED_BY	IE
	5	PARENT	
	6	SPECIAL_USE	Only Endeavour assets on pole
	7	STATE	Proposed
	8	USAGE	HV
	9	cLV	
	10	hDepth	
	11	hDia	
	12	cHV	
	13	LBRACKET	
	14	LExisting	
	15	LANTNUMBER	
	16	LOther	
	17	LRemove	
	18	LEGEND	NEW POLE
	19	cLinedev	
	20	pExisting	
	21	PFNUMBER	
	22	NEWPFNUMBER	
	23	pFooting	
	24	pNew	X
	25	pNumber	
	26	pRelocate	
	27	pRemove	
	28	pReplace	
	29	pStay	
	30	pType	
	31	cspan	
	32	SUBURB	
	33	STREETNAME	
	34	LOCATION	
	35	NOTES	
	36	OPERATED_BY	IE
	37	MAINTAINED_BY	IE
	38	Z	null
POLE_REPLACE_NEW	1	ASSET_NUM	
	2	STRUCTURE_PLANT_NUMBER	
	3	STREET_CODE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	OWNED_BY	IE
	5	PARENT	
	6	SPECIAL_USE	Only Endeavour assets on pole
	7	STATE	Proposed
	8	USAGE	HV
	9	cLV	
	10	hDepth	
	11	hDia	
	12	cHV	
	13	LBRACKET	
	14	LExisting	
	15	LANTNUMBER	
	16	LOther	
	17	LRemove	
	18	LEGEND	REPLACE POLE
	19	cLinedev	
	20	pExisting	
	21	PFNUMBER	
	22	NEWPFNUMBER	
	23	pFooting	
	24	pNew	
	25	pNumber	
	26	pRelocate	
	27	pRemove	
	28	pReplace	X
	29	pStay	
	30	pType	
	31	cspan	
	32	SUBURB	
	33	STREETNAME	
	34	LOCATION	
	35	NOTES	
	36	OPERATED_BY	IE
	37	MAINTAINED_BY	IE
	38	Z	null
REACTOR	1	ASSET_NUM	
	2	STATE	Proposed
	3	STRUCTURED_PLANT_NUMBER	
	4	USAGE	HV
	5	STREET_CODE	NotSet
	6	LOCATION	
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	10	ORIENTATION	OH
	11	OPERATING_VOLTAGE	11kV
	12	CONSTRUCTED_VOLTAGE	11kV
	13	FEEDER_NUMBER	
	14	FEEDER_NUMBER2	
	15	NO_PHASES	3
	16	PHASE	
	17	ACTUAL_STATUS	Closed
	18	Z	null
REG_CONFIG_EXT	1	ASSET_NUM1	
	2	ASSET_NUM2	
	3	ASSET_NUM3	
	4	ASSET_NUM4	
	5	Z	null
River Crossing	1	ASSET_NUM	
	2	NAVIGABLE	
	3	VOLTAGE	
	4	TYPE	
	5	MAX_VESSEL_HEIGHT	
	6	LOCATION	
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	Z	null
SAFELINK_CCC_SS_EXT	1	ASSET_NUM1	XXXXXX
	2	ASSET_NUM2	XXXXXX
	3	ASSET_NUM3	XXXXXX
	4	SUB_TYPE	PM
	5	SWG_TYPE	SL
SAFELINK_CFCC_EXT	1	ASSET_NUM1	XXXXXX
	2	ASSET_NUM2	XXXXXX
	3	ASSET_NUM3	XXXXXX
	4	ASSET_NUM4	XXXXXX
	5	SUB_TYPE	PM
	6	SWG_TYPE	SL
	7	Z	null
SAFELINK_CFC_EXT	1	ASSET_NUM1	XXXXXX
	2	ASSET_NUM2	XXXXXX
	3	ASSET_NUM3	XXXXXX
	4	SUB_TYPE	PS
	5	SWG_TYPE	SL
	6	Z	null
SAFELINK_CF_EXT	1	ASSET_NUM1	XXXXXX
	2	ASSET_NUM2	XXXXXX

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	SUB_TYPE	PS
	4	SWG_TYPE	SL
	5	Z	null
SECTIONALISED_POINT_EXT	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	STATE	Inservice
	10	Z	null
SECTIONALISED_POINT_NEW	1	CONNECTION_TYPE	Termination
	2	TYPE_DESCRIPTION	
	3	TYPE_INFORMATION	
	4	FEEDER_NUMBER	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	STATE	Proposed
	10	Z	null
SECTIONALISER_MANUAL_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	SECTIONALISER_TYPE	Manual
	10	STATE	Inservice
	11	USAGE	HV
	12	LEGEND	SECTIONALISER
	13	LOCATION	
	14	STREETNAME	
	15	SUBURB	
	16	NOTES	
	17	Z	null
SECTIONALISER_MANUAL_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	SECTIONALISER_TYPE	Manual
	12	STATE	Proposed
	13	USAGE	HV
	14	SUBURB	
	15	STREETNAME	
	16	LOCATION	
	17	NOTES	
	18	LABEL_ALIGNMENT	Centre Right
	19	Z	null
SECTIONALISER_SC_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	SECTIONALISER_TYPE	Supervisory Control
	10	STATE	Inservice
	11	USAGE	HV
	12	LOCATION	
	13	STREETNAME	
	14	SUBURB	
	15	NOTES	
	16	Z	null
SECTIONALISER_SC_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	SECTIONALISER_TYPE	Supervisory Control
	12	STATE	Proposed
	13	USAGE	HV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	14	LEGEND	SECTIONALISER
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	LABEL_ALIGNMENT	Centre Right
	20	Z	null
SECTIONALISER_SR_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	22kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	SECTIONALISER_TYPE	Self Resetting
	10	STATE	Inservice
	11	USAGE	HV
	12	STREETNAME	
	13	SUBURB	
	14	Z	null
SECTIONALISER_SR_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	SECTIONALISER_TYPE	Self Resetting
	12	STATE	Proposed
	13	USAGE	HV
	14	SUBURB	
	15	STREETNAME	
	16	LABEL_ALIGNMENT	Centre Right
	17	Z	null
SLANTERN_EXIST	1	SNUMBER	SLXXX
	2	CNUMBER	XXXX
	3	Z	null
SLANTERN_NUM	1	SNUMBER	XXXX
	2	CNUMBER	XXXX
	3	Z	null

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
SLANTERN_NUM_EXT	1	SNUMBER	XXXX
	2	CNUMBER	XXXX
	3	Z	null
SLANTERN_NUM_NEW	1	SNUMBER	XXXX
	2	CNUMBER	XXXX
	3	Z	null
SLCP_PE_EXT	1	ASSET_NUM	
	2	CONSTRUCTED_VOLTAGE	LV
	3	CONTROL_TYPE	Photo Electric
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	LV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	USAGE	LV
	9	LOCATION	
	10	NOTES	
	11	STATE	Inservice
	12	Z	null
SLCP_PE_NEW	1	ASSET_NUM	
	2	CONSTRUCTED_VOLTAGE	LV
	3	CONTROL_TYPE	Photo Electric
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	LV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	USAGE	LV
	11	LOCATION	
	12	NOTES	
	13	STATE	Proposed
	14	STREETNAME	
	15	SUBURB	
	16	AMP_RATING	
	17	Z	null
SLCP_ZELL_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	LV
	4	CONTROL_TYPE	Parallel Zellweiger
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	LV
	7	ORIENTATION	OH
	8	OWNED_BY	IE
	9	USAGE	LV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	10	LOCATION	
	11	STATE	Inservice
	12	NOTES	
	13	Z	null
SLCP_ZELL_NEW	1	ASSET_NUM	XXXXX
	2	CONSTRUCTED_VOLTAGE	LV
	3	CONTROL_TYPE	Parallel Zellweiger
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	LV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	USAGE	LV
	11	LOCATION	
	12	NOTES	
	13	STATE	Proposed
	14	STREETNAME	
	15	SUBURB	
	16	AMP_RATING	
	17	Z	null
SL_CCP_EXT	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	SL
	4	LEGEND	EXISTING CUSTOMER
	5	LIFE_SUPPORT	
	6	NOTES	
	7	Z	null
SL_CCP_NEW	1	CCP_TYPE	LV Customer
	2	ORIENTATION	UG
	3	USAGE	SL
	4	LEGEND	NEW CUSTOMER
	5	LIFE_SUPPORT	
	6	NOTES	
	7	Z	null
SL_CN_EXT	1	ORIENTATION	UG
	2	USAGE	SL
	3	NOTES	
	4	Z	null
SL_CN_NEW	1	ORIENTATION	UG
	2	USAGE	SL
	3	NOTES	
	4	Z	null
SL_ENDCAP_EXT	1	CONNECTOR_TYPE	End Cap

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	STATE	Inservice
	8	USAGE	SL
	9	LEGEND	END CAP
	10	NOTES	
	11	Z	null
SL_ENDCAP_NEW	1	CONNECTOR_TYPE	End Cap
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	STATE	Proposed
	8	USAGE	SL
	9	LEGEND	END CAP
	10	NOTES	
	11	Z	null
SL_FLOOD_DEL	1	ASSET_NUM	XXXXX
	2	CONSTRUCTED_VOLTAGE	LV
	3	CONTROL_TYPE	Streetlight Control Point
	4	LANTERN_PURPOSE	Standard
	5	LANTERN_TYPE	Public
	6	NO_PHASES	1
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	SUBURB	
	10	STREETNAME	
	11	NOTES	
	12	LOCATION	
	13	LEGEND	DELETED LANTERN
	14	LTYPEVOCAB	
	15	LTYPE	
	16	LREPLACE	
	17	LREMOVE	X
	18	LRATECODE	
	19	LOUTREACHVOCAB	
	20	LOUTREACH	
	21	LNUMBER	
	22	LANTNUMBER	
	23	LNEW	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	24	LMASTVOCAB	
	25	LMAST	
	26	LLAMPVOCAB	
	27	LLAMP	
	28	LEXIST	
	29	LCHARGE3PERCENT	
	30	LCHARGE3	
	31	LCHARGE2PERCENT	
	32	LCHARGE2	
	33	LCHARGE1PERCENT	
	34	LCHARGE1	
	35	LCATEGORY	
	36	LBRACKETVOCAB	
	37	LBRACKET	
	38	LKINGHEIGHT	
	39	CREPLACE	
	40	CREMOVE	
	41	CNUMBER	
	42	CNEW	
	43	CEXIST	
	44	USAGE	SL
	45	STATE	Proposed
	46	OWNED_BY	IE
	47	ORIENTATION	OH
	48	OPERATING_VOLTAGE	LV
	49	Z	null
SL_FLOOD_EXT	1	ASSET_NUM	XXXXX
	2	LNUMBER	
	3	CONSTRUCTED_VOLTAGE	LV
	4	CONTROL_TYPE	Streetlight Control Point
	5	LANTERN_PURPOSE	Standard
	6	LANTERN_TYPE	Public
	7	NO_PHASES	1
	8	OPERATING_VOLTAGE	LV
	9	ORIENTATION	OH
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	USAGE	SL
	15	CEXIST	
	16	CNEW	
	17	CNUMBER	
	18	CREMOVE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	19	CREPLACE	
	20	LKINGHEIGHT	
	21	LBRACKET	
	22	LBRACKETVOCAB	
	23	LCATEGORY	
	24	LCHARGE1	
	25	LCHARGE1PERCENT	
	26	LCHARGE2	
	27	LCHARGE2PERCENT	
	28	LCHARGE3	
	29	LCHARGE3PERCENT	
	30	LEXIST	
	31	LLAMP	
	32	LLAMPVOCAB	
	33	LMAST	
	34	LMASTVOCAB	
	35	LNEW	
	36	LANTNUMBER	
	37	LOUTREACH	
	38	LOUTREACHVOCAB	
	39	LRATECODE	
	40	LREMOVE	X
	41	LREPLACE	
	42	LTYPE	
	43	LTYPEVOCAB	
	44	LEGEND	DELETED LANTERN
	45	LOCATION	
	46	NOTES	
	47	STREETNAME	
	48	SUBURB	
	49	Z	null
SL_FLOOD_NEW	1	ASSET_NUM	XXXXX
	2	LNUMBER	
	3	CONSTRUCTED_VOLTAGE	LV
	4	CONTROL_TYPE	Streetlight Control Point
	5	LANTERN_PURPOSE	Standard
	6	LANTERN_TYPE	Public
	7	NO_PHASES	1
	8	OPERATING_VOLTAGE	LV
	9	ORIENTATION	OH
	10	OWNED_BY	IE
	11	STATE	Proposed
	12	USAGE	SL
	13	CEXIST	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	14	CNEW	
	15	CNUMBER	
	16	CREMOVE	
	17	CREPLACE	
	18	LKINGHEIGHT	
	19	LBRACKET	
	20	LBRACKETVOCAB	
	21	LCATEGORY	
	22	LCHARGE1	
	23	LCHARGE1PERCENT	
	24	LCHARGE2	
	25	LCHARGE2PERCENT	
	26	LCHARGE3	
	27	LCHARGE3PERCENT	
	28	LEXIST	
	29	LLAMP	
	30	LLAMPVOCAB	
	31	LMAST	
	32	LMASTVOCAB	
	33	LNEW	
	34	LANTNUMBER	
	35	LOUTREACH	
	36	LOUTREACHVOCAB	
	37	LRATECODE	
	38	LREMOVE	X
	39	LREPLACE	
	40	LTYPE	
	41	LTYPEVOCAB	
	42	LEGEND	DELETED LANTERN
	43	LOCATION	
	44	NOTES	
	45	STREETNAME	
	46	SUBURB	
	47	Z	null
SL_FLOOD_REPLACE_NEW	1	ASSET_NUM	XXXXXX
	2	LNUMBER	
	3	CONSTRUCTED_VOLTAGE	LV
	4	CONTROL_TYPE	Streetlight Control Point
	5	LANTERN_PURPOSE	Standard
	6	LANTERN_TYPE	Public
	7	NO_PHASES	1
	8	OPERATING_VOLTAGE	LV
	9	ORIENTATION	OH
	10	OWNED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	USAGE	SL
	15	CEXIST	
	16	CNEW	
	17	CNUMBER	
	18	CREMOVE	
	19	CREPLACE	
	20	LKINGHEIGHT	
	21	LBRACKET	
	22	LBRACKETVOCAB	
	23	LCATEGORY	
	24	LCHARGE1	
	25	LCHARGE1PERCENT	
	26	LCHARGE2	
	27	LCHARGE2PERCENT	
	28	LCHARGE3	
	29	LCHARGE3PERCENT	
	30	LEXIST	
	31	LLAMP	
	32	LLAMPVOCAB	
	33	LMAST	
	34	LMASTVOCAB	
	35	LNEW	
	36	LANTNUMBER	
	37	LOUTREACH	
	38	LOUTREACHVOCAB	
	39	LRATECODE	
	40	LREMOVE	X
	41	LREPLACE	
	42	LTYPE	
	43	LTYPEVOCAB	
	44	LEGEND	DELETED LANTERN
	45	LOCATION	
	46	NOTES	
	47	STREETNAME	
	48	SUBURB	
	49	Z	null
SL_LANTERN_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	LV
	4	CONTROL_TYPE	Streetlight Control Point
	5	LANTERN_PURPOSE	Standard

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	6	LANTERN_TYPE	Public
	7	NO_PHASES	1
	8	OPERATING_VOLTAGE	LV
	9	ORIENTATION	OH
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	USAGE	SL
	15	CEXIST	
	16	CNEW	
	17	CNUMBER	
	18	CREMOVE	
	19	CREPLACE	
	20	LKINGHEIGHT	
	21	LBRACKET	
	22	LBRACKETVOCAB	
	23	LCATEGORY	
	24	LCHARGE1	
	25	LCHARGE1PERCENT	
	26	LCHARGE2	
	27	LCHARGE2PERCENT	
	28	LCHARGE3	
	29	LCHARGE3PERCENT	
	30	LEXIST	
	31	LLAMP	
	32	LLAMPVOCAB	
	33	LMAST	
	34	LMASTVOCAB	
	35	LNEW	
	36	LANTNUMBER	
	37	LNUMBER	
	38	LOUTREACH	
	39	LOUTREACHVOCAB	
	40	LRATECODE	
	41	LREMOVE	X
	42	LREPLACE	
	43	LTYPE	
	44	LTYPEVOCAB	
	45	LEGEND	DELETED LANTERN
	46	SUBURB	
	47	STREETNAME	
	48	LOCATION	
	49	NOTES	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	50	Z	null
SL_LANTERN_EXT	1	ASSET_NUM	
	2	CONSTRUCTED_VOLTAGE	LV
	3	CONTROL_TYPE	Streetlight Control Point
	4	LANTERN_PURPOSE	Standard
	5	LANTERN_TYPE	Public
	6	NO_PHASES	1
	7	OPERATING_VOLTAGE	LV
	8	ORIENTATION	OH
	9	OWNED_BY	IE
	10	STATE	Inservice
	11	USAGE	SL
	12	CEXIST	
	13	CNEW	
	14	CNUMBER	
	15	CREMOVE	
	16	CREPLACE	
	17	LKINGHEIGHT	
	18	LBRACKET	
	19	LBRACKETVOCAB	
	20	LCATEGORY	
	21	LCHARGE1	
	22	LCHARGE1PERCENT	
	23	LCHARGE2	
	24	LCHARGE2PERCENT	
	25	LCHARGE3	
	26	LCHARGE3PERCENT	
	27	LEXIST	X
	28	LLAMP	
	29	LLAMPVOCAB	
	30	LMAST	
	31	LMASTVOCAB	
	32	LNEW	
	33	LANTNUMBER	
	34	LNUMBER	
	35	LOUTREACH	
	36	LOUTREACHVOCAB	
	37	LRATECODE	
	38	LREMOVE	
	39	LREPLACE	
	40	LTYPE	
	41	LTYPEVOCAB	
	42	LEGEND	EXISTING LANTERN
	43	LOCATION	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	44	NOTES	
	45	STREETNAME	
	46	SUBURB	
SL_LANTERN_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	LV
	4	CONTROL_TYPE	Streetlight Control Point
	5	LANTERN_PURPOSE	Standard
	6	LANTERN_TYPE	Public
	7	NO_PHASES	1
	8	OPERATING_VOLTAGE	LV
	9	ORIENTATION	OH
	10	OWNED_BY	IE
	11	STATE	Proposed
	12	USAGE	SL
	13	CEXIST	
	14	CNEW	
	15	CNUMBER	
	16	CREMOVE	
	17	CREPLACE	
	18	LKINGHEIGHT	
	19	LBRACKET	
	20	LBRACKETVOCAB	
	21	LCATEGORY	
	22	LCHARGE1	
	23	LCHARGE1PERCENT	
	24	LCHARGE2	
	25	LCHARGE2PERCENT	
	26	LCHARGE3	
	27	LCHARGE3PERCENT	
	28	LEXIST	
	29	LLAMP	
	30	LLAMPVOCAB	
	31	LMAST	
	32	LMASTVOCAB	
	33	LNEW	X
	34	LANTNUMBER	
	35	LNUMBER	
	36	LOUTREACH	
	37	LOUTREACHVOCAB	
	38	LRATECODE	
	39	LREMOVE	
	40	LREPLACE	
	41	LTYPE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	42	LTYPEVOCAB	
	43	LEGEND	NEW LANTERN
	44	SUBURB	
	45	STREETNAME	
	46	LOCATION	
	47	NOTES	
	48	OPERATED_BY	IE
	49	MAINTAINED_BY	IE
	50	Z	null
SL_LANTERN_REPLACE_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	LV
	4	CONTROL_TYPE	Streetlight Control Point
	5	LANTERN_PURPOSE	Standard
	6	LANTERN_TYPE	Public
	7	NO_PHASES	1
	8	OPERATING_VOLTAGE	LV
	9	ORIENTATION	OH
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	USAGE	SL
	15	CEXIST	
	16	CNEW	
	17	CNUMBER	
	18	CREMOVE	
	19	CREPLACE	
	20	LKINGHEIGHT	
	21	LBRACKET	
	22	LBRACKETVOCAB	
	23	LCATEGORY	
	24	LCHARGE1	
	25	LCHARGE1PERCENT	
	26	LCHARGE2	
	27	LCHARGE2PERCENT	
	28	LCHARGE3	
	29	LCHARGE3PERCENT	
	30	LEXIST	
	31	LLAMP	
	32	LLAMPVOCAB	
	33	LMAST	
	34	LMASTVOCAB	
	35	LNEW	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	36	LANTNUMBER	
	37	LNUMBER	
	38	LOUTREACH	
	39	LOUTREACHVOCAB	
	40	LRATECODE	
	41	LREMOVE	
	42	LREPLACE	X
	43	LTYPE	
	44	LTYPEVOCAB	
	45	LEGEND	REPLACED LANTERN
	46	NEW_LKINGHEIGHT	
	47	NEW_LBRACKET	
	48	NEW_LBRACKETVOCAB	
	49	NEW_LCATEGORY	
	50	NEW_LCHARGE1	
	51	NEW_LCHARGE1PERCENT	
	52	NEW_LCHARGE2	
	53	NEW_LCHARGE2PERCENT	
	54	NEW_LCHARGE3	
	55	NEW_LCHARGE3PERCENT	
	56	NEW_LLAMP	
	57	NEW_LLAMPVOCAB	
	58	NEW_LMAST	
	59	NEW_LMASTVOCAB	
	60	NEW_LOUTREACH	
	61	NEW_LOUTREACHVOCAB	
	62	NEW_LRATECODE	
	63	NEW_LTYPE	
	64	NEW_LTYPEVOCAB	
	65	SUBURB	
	66	STREETNAME	
	67	LOCATION	
	68	NOTES	
	69	Z	null
SL_NUM_EXIST	1	SL16	X
	2	Z	null
SL_NUM_NEW	1	SL14	X
	2	Z	null
SL_NUM_NW_EXIST	1	SL18	X
	2	Z	null
SL_NUM_NW_NEW	1	SL17	X
	2	Z	null
SL_NUM_PE_EXIST	1	SL15	X
	2	Z	null

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
SL_NUM_PE_NEW	1	SL15	X
	2	Z	null
SL_STJ_EXT	1	ORIENTATION	UG
	2	USAGE	SL
	3	LEGEND	STJ
	4	NOTES	
	5	Z	null
SL_STJ_NEW	1	ORIENTATION	UG
	2	USAGE	SL
	3	LEGEND	STJ
	4	NOTES	
	5	Z	null
SL_UGOH_EXT	1	CONSTRUCTED_VOLTAGE	LV
	2	OPERATING_VOLTAGE	LV
	3	ORIENTATION	UG
	4	STATE	In Service
	5	USAGE	SL
	6	Z	null
SL_UGOH_NEW	1	CONSTRUCTED_VOLTAGE	LV
	2	OPERATING_VOLTAGE	LV
	3	ORIENTATION	UG
	4	STATE	Proposed
	5	USAGE	SL
	6	Z	null
SPILLAR_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	STATE	Proposed
	7	SUPPORT_TYPE	Service
	8	USAGE	LV
	9	PARENT	
	10	SUFFIX	
	11	SUBURB	
	12	STREETNAME	
	13	LOCATION	
	14	NOTES	
	15	Z	null
SPILLAR_PANEL_NEW	1	ASSET_NUM	XXXXXX
	2	USAGE	LV
	3	ORIENTATION	UG
	4	LEGEND	NEW PILLAR
	5	PARENT	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	TYPE	Mains
	15	LABEL_ALIGNMENT	Centre Right
	16	Z	null
SPILLAR_REPLACE_NEW	1	ASSET_NUM	
	2	USAGE	LV
	3	ORIENTATION	UG
	4	LEGEND	NEW PILLAR
	5	PARENT	
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	OWNED_BY	IE
	11	OPERATED_BY	IE
	12	MAINTAINED_BY	IE
	13	STATE	Proposed
	14	TYPE	Mains
	15	LABEL_ALIGNMENT	Centre Right
	16	Z	null
STJ_HV_EXT	1	ORIENTATION	UG
	2	USAGE	HV
	3	LEGEND	STJ
	4	NOTES	
	5	Z	null
STJ_HV_NEW	1	ORIENTATION	UG
	2	USAGE	LV
	3	LEGEND	STJ
	4	NOTES	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	OPERATING_VOLTAGE	LV
	9	CONSTRUCTED_VOLTAGE	LV
	10	NO_PHASES	3
	11	CONNECTOR_TYPE	Straight Through Joint
	12	Z	null

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
STJ_LV_EXT	1	ORIENTATION	UG
	2	USAGE	LV
	3	LEGEND	STJ
	4	NOTES	
	5	Z	null
STJ_LV_NEW	1	ORIENTATION	UG
	2	USAGE	LV
	3	LEGEND	STJ
	4	NOTES	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	OPERATING_VOLTAGE	LV
	9	CONSTRUCTED_VOLTAGE	LV
	10	NO_PHASES	3
	11	CONNECTOR_TYPE	Straight Through Joint
	12	Z	null
STJ_SL_EXT	1	CONNECTOR_TYPE	Straight Through Joint
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	STATE	In Service
	8	USAGE	SL
	9	LEGEND	STJ
	10	NOTES	
	11	Z	null
STJ_SL_NEW	1	CONNECTOR_TYPE	Straight Through Joint
	2	CONSTRUCTED_VOLTAGE	LV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	LV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	STATE	Proposed
	10	USAGE	SL
	11	LEGEND	STJ
	12	NOTES	
	13	Z	null
STJ_TR_EXT	1	CONNECTOR_TYPE	Straight Through Joint
	2	CONSTRUCTED_VOLTAGE	33kV
	3	NO_PHASES	3

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	OPERATING_VOLTAGE	33kV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	STATE	Proposed
	8	USAGE	TR
	9	LEGEND	STJ
	10	NOTES	
	11	MAINTAINED_BY	IE
	12	Z	null
STJ_TR_NEW	1	CONNECTOR_TYPE	Straight Through Joint
	2	CONSTRUCTED_VOLTAGE	33kV
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	33kV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	STATE	Proposed
	8	USAGE	TR
	9	LEGEND	STJ
	10	NOTES	
	11	MAINTAINED_BY	IE
	12	Z	null
SUBCOTT_NEW	1	ASSET_NUM	XXXXX
	2	ORIENTATION	OH
	3	PARENT	
	4	SUBSTATION_TYPE	Cottage
	5	USAGE	HV
	6	LEGEND	NEW COTTAGE SUBSTATION
	7	SUBURB	
	8	STREETNAME	
	9	LOCATION	
	10	NOTES	
	11	MAINTAINED_BY	IE
	12	OPERATED_BY	IE
	13	Z	null
SUBIND_NEW	1	ASSET_NUM	XXXXX
	2	ORIENTATION	UG
	3	PARENT	
	4	SUBSTATION_TYPE	Indoor
	5	USAGE	HV
	6	LEGEND	NEW INDOOR SUBSTATION
	7	SUBURB	
	8	STREETNAME	
	9	LOCATION	
	10	NOTES	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	MAINTAINED_BY	IE
	12	OPERATED_BY	IE
	13	Z	null
SUBKSK_NEW	1	ASSET_NUM	XXXXXX
	2	ORIENTATION	OH
	3	PARENT	
	4	SUBSTATION_TYPE	Kiosk
	5	USAGE	HV
	6	LEGEND	NEW KIOSK SUBSTATION
	7	SUBURB	
	8	STREETNAME	
	9	LOCATION	
	10	NOTES	
	11	MAINTAINED_BY	IE
	12	OPERATED_BY	IE
	13	Z	null
SUBPAD_NEW	1	ASSET_NUM	XXXXXX
	2	ORIENTATION	UG
	3	PARENT	
	4	SUBSTATION_TYPE	Padmount HV Switchgear
	5	USAGE	HV
	6	LEGEND	NEW PADMOUNT SUBSTATION
	7	SUBURB	
	8	STREETNAME	
	9	LOCATION	
	10	NOTES	
	11	MAINTAINED_BY	IE
	12	OPERATED_BY	IE
	13	Z	null
SUBPLUG_NEW	1	ASSET_NUM	XXXXXX
	2	ORIENTATION	UG
	3	PARENT	
	4	SUBSTATION_TYPE	Padmount HV Plugboard
	5	USAGE	HV
	6	LEGEND	NEW PLUGIN SUBSTATION
	7	SUBURB	
	8	STREETNAME	
	9	LOCATION	
	10	NOTES	
	11	MAINTAINED_BY	IE
	12	OPERATED_BY	IE
	13	Z	null
SUB_2POLE_EXT	1	ASSET_NUM	
	2	STREET_CODE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	SUBSTATION_TYPE	Two Pole
	13	USAGE	HV
	14	LEGEND	EXISTING TWO POLE SUBSTATION
	15	LOCATION	
	16	STREETNAME	
	17	SUBURB	
	18	NOTES	
	19	Z	null
SUB_2POLE_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	SECONDARY_VOLTAGE	LV
	10	STATE	Proposed
	11	SUBSTATION_TYPE	Two Pole
	12	USAGE	HV
	13	LEGEND	NEW TWO POLE SUBSTATION
	14	SUBURB	
	15	STREETNAME	
	16	LOCATION	
	17	NOTES	
	18	Z	null
SUB_COTTAGE_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OPERATED_BY	IE
	4	MAINTAINED_BY	IE
	5	Z	null
SUB_COTTAGE_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	UG
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	PARENT	
	13	SUBSTATION_TYPE	Cottage
	14	USAGE	HV
	15	LEGEND	EXISTING COTTAGE SUBSTATION
	16	LOCATION	
	17	STREETNAME	
	18	SUBURB	
	19	NOTES	
	20	Z	null
SUB_COTTAGE_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	SECONDARY_VOLTAGE	LV
	10	STATE	Proposed
	11	PARENT	
	12	SUBSTATION_TYPE	Cottage
	13	USAGE	HV
	14	LEGEND	NEW COTTAGE SUBSTATION
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	Z	null
SUB_GROUND_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OPERATED_BY	IE
	4	MAINTAINED_BY	IE
	5	Z	null
SUB_GROUND_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	UG
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	PARENT	
	13	SUBSTATION_TYPE	Ground
	14	USAGE	HV
	15	LEGEND	EXISTING GROUND SUBSTATION
	16	LOCATION	
	17	STREETNAME	
	18	SUBURB	
	19	NOTES	
	20	Z	null
SUB_GROUND_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	SECONDARY_VOLTAGE	LV
	10	STATE	Proposed
	11	PARENT	
	12	SUBSTATION_TYPE	Ground
	13	USAGE	HV
	14	LEGEND	NEW GROUND SUBSTATION
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	Z	null
SUB_INDOOR_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OPERATED_BY	IE
	4	MAINTAINED_BY	IE
	5	Z	null
SUB_INDOOR_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	UG
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	PARENT	
	13	SUBSTATION_TYPE	Indoor
	14	USAGE	HV
	15	LEGEND	EXISTING INDOOR SUBSTATION
	16	LOCATION	
	17	STREETNAME	
	18	SUBURB	
	19	NOTES	
	20	Z	null
SUB_INDOOR_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	CONSTRUCTED_VOLTAGE	11kV
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Proposed
	12	PARENT	
	13	SUBSTATION_TYPE	Indoor
	14	USAGE	HV
	15	LEGEND	NEW INDOOR SUBSTATION
	16	SUBURB	
	17	STREETNAME	
	18	LOCATION	
	19	NOTES	
	20	Z	null
SUB_KIOSK_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OPERATED_BY	IE
	4	MAINTAINED_BY	IE
	5	Z	null
SUB_KIOSK_EXT	1	ASSET_NUM	
	2	STREET_CODE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	PARENT	
	13	SUBSTATION_TYPE	Kiosk
	14	USAGE	HV
	15	LEGEND	EXISTING KIOSK SUBSTATION
	16	LOCATION	
	17	STREETNAME	
	18	SUBURB	
	19	NOTES	
	20	Z	null
SUB_KIOSK_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	OH
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	SECONDARY_VOLTAGE	LV
	10	STATE	Proposed
	11	PARENT	
	12	SUBSTATION_TYPE	Kiosk
	13	USAGE	HV
	14	LEGEND	NEW KIOSK SUBSTATION
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	Z	null
SUB_PADMOUNT_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OPERATED_BY	IE
	4	MAINTAINED_BY	IE
	5	Z	null
SUB_PADMOUNT_EXT	1	ASSET_NUM	
	2	STREET_CODE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	UG
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	PARENT	
	13	SUBSTATION_TYPE	Padmount HV Switchgear
	14	USAGE	HV
	15	LEGEND	EXISTING PADMOUNT SUBSTATION
	16	LOCATION	
	17	STREETNAME	
	18	SUBURB	
	19	NOTES	
	20	Z	null
SUB_PADMOUNT_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	CONSTRUCTED_VOLTAGE	11kV
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Proposed
	12	PARENT	
	13	SUBSTATION_TYPE	Padmount HV Switchgear
	14	USAGE	HV
	15	LEGEND	NEW PADMOUNT SUBSTATION
	16	SUBURB	
	17	STREETNAME	
	18	LOCATION	
	19	NOTES	
	20	Z	null
SUB_PLUGIN_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OPERATED_BY	IE
	4	MAINTAINED_BY	IE
	5	Z	null

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
SUB_PLUGIN_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	UG
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	PARENT	
	13	SUBSTATION_TYPE	Padmount HV Plugboard
	14	USAGE	HV
	15	LEGEND	EXISTING PLUGIN SUBSTATION
	16	LOCATION	
	17	STREETNAME	
	18	SUBURB	
	19	NOTES	
	20	Z	null
SUB_PLUGIN_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	NO_PHASES	3
	4	OPERATING_VOLTAGE	11kV
	5	ORIENTATION	UG
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	CONSTRUCTED_VOLTAGE	11kV
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Proposed
	12	PARENT	
	13	SUBSTATION_TYPE	Padmount HV Plugboard
	14	USAGE	HV
	15	LEGEND	NEW PLUGIN SUBSTATION
	16	SUBURB	
	17	STREETNAME	
	18	LOCATION	
	19	NOTES	
	20	Z	null
SUB_POLE_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OPERATED_BY	IE
	4	MAINTAINED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	5	Z	null
SUB_POLE_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	OWNED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	SUBSTATION_TYPE	Pole
	13	USAGE	HV
	14	LEGEND	EXISTING POLE SUBSTATION
	15	LOCATION	
	16	STREETNAME	
	17	SUBURB	
	18	NOTES	
	19	Z	null
SUB_POLE_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	OWNED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Proposed
	12	SUBSTATION_TYPE	Pole
	13	USAGE	HV
	14	LEGEND	NEW POLE SUBSTATION
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	Z	null
SUB_SWER_DEL	1	ASSET_NUM	
	2	STREET_CODE	
	3	OPERATED_BY	IE
	4	MAINTAINED_BY	IE
	5	Z	null

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
SUB_SWER_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	OWNED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Inservice
	12	SUBSTATION_TYPE	SWER
	13	USAGE	HV
	14	LEGEND	EXISTING SWER SUBSTATION
	15	LOCATION	
	16	STREETNAME	
	17	SUBURB	
	18	NOTES	
	19	Z	null
SUB_SWER_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	12.7kV SWER
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	12.7kV SWER
	6	ORIENTATION	OH
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	SECONDARY_VOLTAGE	LV
	11	STATE	Proposed
	12	SUBSTATION_TYPE	SWER
	13	USAGE	HV
	14	LEGEND	NEW SWER SUBSTATION
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	PARENT	
	20	Z	null
SUB_ZONE_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	33kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	33kV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	OH
	9	OWNED_BY	IE
	10	SECONDARY_VOLTAGE	11kV
	11	STATE	Inservice
	12	SUBSTATION_NAME	
	13	SUBSTATION_TYPE	Zone Substation
	14	USAGE	TR
	15	NOTES	
	16	Z	null
SWG_AREAV_SFU_EXT	1	ASSET_NUM	XXXXXX
	2	Z	null
SWG_AREAV_SFU_NEW	1	ASSET_NUM	XXXXXX
	2	STREET_CODE	
	3	ORIENTATION	UG
	4	PARENT	
	5	USAGE	HV
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	Z	null
SWG_AREVA_2ES_EXT	1	ASSET_NUM	XXXXXX
	2	Z	null
SWG_AREVA_2ES_NEW	1	ASSET_NUM	XXXXXX
	2	STREET_CODE	
	3	ORIENTATION	UG
	4	PARENT	
	5	USAGE	HV
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	Z	null
SWG_AREVA_ES_EXT	1	ASSET_NUM	XXXXXX
	2	Z	null
SWG_AREVA_ES_NEW	1	ASSET_NUM	XXXXXX
	2	STREET_CODE	
	3	ORIENTATION	UG
	4	PARENT	
	5	USAGE	HV
	6	SUBURB	
	7	STREETNAME	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	8	LOCATION	
	9	NOTES	
	10	Z	null
SWG_AREVA_SFU_EXT	1	ASSET_NUM	XXXXXX
	2	Z	null
SWG_AREVA_SFU_NEW	1	ASSET_NUM	XXXXXX
	2	STREET_CODE	
	3	ORIENTATION	UG
	4	PARENT	
	5	USAGE	HV
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	Z	null
SWG_AREVA_SU_EXT	1	ASSET_NUM	XXXXXX
	2	STREET_CODE	
	3	ORIENTATION	UG
	4	PARENT	
	5	USAGE	HV
	6	NOTES	
	7	Z	null
SWG_AREVA_SU_NEW	1	ASSET_NUM	XXXXXX
	2	STREET_CODE	
	3	ORIENTATION	UG
	4	PARENT	
	5	USAGE	HV
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	Z	null
SWG_AREVA_SU_NO_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ORIENTATION	UG
	4	PARENT	
	5	USAGE	HV
	6	NOTES	
	7	Z	null
SWG_AREVA_SU_NO_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ORIENTATION	UG
	4	PARENT	
	5	USAGE	HV

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	6	SUBURB	
	7	STREETNAME	
	8	LOCATION	
	9	NOTES	
	10	Z	null
SWG_FUSE_NEW	1	ASSET_NUM	
	2	ORIENTATION	UG
	3	USAGE	HV
	4	PARENT	
	5	SUBURB	
	6	STREETNAME	
	7	Z	null
SWG_HOLEC_SFU_EXT	1	ACTUAL_STATUS	Closed
	2	ASSET_NUM	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	UG
	7	OWNED_BY	IE
	8	PARENT	
	9	STATE	Inservice
	10	SWITCH_TYPE	Point
	11	USAGE	HV
	12	LOCATION	
	13	STREETNAME	
	14	SUBURB	
	15	NOTES	
	16	Z	null
SWG_HOLEC_SFU_NEW	1	ASSET_NUM	
	2	ACTUAL_STATUS	Closed
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	UG
	7	OWNED_BY	IE
	8	PARENT	
	9	STATE	Proposed
	10	SWITCH_TYPE	Point
	11	USAGE	HV
	12	SUBURB	
	13	STREETNAME	
	14	LOCATION	
	15	NOTES	
	16	Z	null

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
SWG_HOLEC_SU_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Inservice
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	LOCATION	
	14	STREETNAME	
	15	SUBURB	
	16	NOTES	
	17	Z	null
SWG_HOLEC_SU_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Proposed
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	SUBURB	
	14	STREETNAME	
	15	LOCATION	
	16	NOTES	
	17	Z	null
SWG_HOLEC_SU_NO_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Inservice

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	LOCATION	
	14	STREETNAME	
	15	SUBURB	
	16	NOTES	
	17	Z	null
SWG_HOLEC_SU_NO_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Proposed
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	SUBURB	
	14	STREETNAME	
	15	LOCATION	
	16	NOTES	
	17	Z	null
SWG_HOLEC_TRF_NEW	1	ASSET_NUM	
	2	ACTUAL_STATUS	Closed
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	ORIENTATION	UG
	7	OWNED_BY	IE
	8	PARENT	
	9	STATE	Proposed
	10	SWITCH_TYPE	Point
	11	USAGE	HV
	12	SUBURB	
	13	STREETNAME	
	14	LOCATION	
	15	NOTES	
	16	Z	null
SWG_ISOL_EXT	1	ASSET_NUM	
	2	NOTES	
	3	ORIENTATION	
	4	USAGE	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	5	LOCATION	
	6	Z	null
SWG_ISOL_NEW	1	ASSET_NUM	
	2	NOTES	
	3	ORIENTATION	
	4	PARENT	
	5	USAGE	
	6	SUBURB	
	7	STREETNAME	
	8	Z	null
SWG_SAFELINK_SFU_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Inservice
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	LOCATION	
	14	STREETNAME	
	15	SUBURB	
	16	NOTES	
	17	Z	null
SWG_SAFELINK_SFU_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Proposed
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	SUBURB	
	14	STREETNAME	
	15	LOCATION	
	16	NOTES	
	17	Z	null

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
SWG_SAFELINK_SU_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Inservice
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	LOCATION	
	14	STREETNAME	
	15	SUBURB	
	16	NOTES	
	17	Z	null
SWG_SAFELINK_SU_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Proposed
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	SUBURB	
	14	STREETNAME	
	15	LOCATION	
	16	NOTES	
	17	Z	null
SWG_SAFELINK_SU_NO_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Inservice

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	LOCATION	
	14	STREETNAME	
	15	SUBURB	
	16	NOTES	
	17	Z	null
SWG_SAFELINK_SU_NO_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	ACTUAL_STATUS	Open
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Proposed
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	SUBURB	
	14	STREETNAME	
	15	LOCATION	
	16	NOTES	
	17	Z	null
SWG_SAFELINK_TRF_NEW	1	ASSET_NUM	XXXXXX
	2	STREET_CODE	
	3	ACTUAL_STATUS	Closed
	4	CONSTRUCTED_VOLTAGE	11kV
	5	NO_PHASES	3
	6	OPERATING_VOLTAGE	11kV
	7	ORIENTATION	UG
	8	OWNED_BY	IE
	9	PARENT	
	10	STATE	Proposed
	11	SWITCH_TYPE	Point
	12	USAGE	HV
	13	SUBURB	
	14	STREETNAME	
	15	LOCATION	
	16	NOTES	
	17	Z	null
SWITCHING_STATION_DEL	1	ASSET_NUM	XXXXXX
	2	OPERATED_BY	IE
	3	MAINTAINED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	4	Z	null
SWITCHING_STATION_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	UG
	9	OWNED_BY	IE
	10	STATE	Inservice
	11	PARENT	
	12	USAGE	HV
	13	LEGEND	EXISTING SWITCHING STATION
	14	LOCATION	
	15	SITE_TYPE	Switching Station
	16	STREETNAME	
	17	SUBURB	
	18	NOTES	
	19	Z	null
SWITCHING_STATION_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	CONSTRUCTED_VOLTAGE	11kV
	4	NO_PHASES	3
	5	OPERATING_VOLTAGE	11kV
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	UG
	9	OWNED_BY	IE
	10	STATE	Proposed
	11	PARENT	
	12	USAGE	HV
	13	LEGEND	NEW SWITCHING STATION
	14	SITE_TYPE	Switching Station
	15	SUBURB	
	16	STREETNAME	
	17	LOCATION	
	18	NOTES	
	19	Z	null
Substn Easement	1	DD/MM/YY	
	2	1234	
Switchstn Easement	1	DD/MM/YY	
	2	1234	
TOWER_DEL	1	ASSET_NUM	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	SPECIAL_USE	(A) - Only Endeavour assets + Tx on pole
	5	STATE	Proposed
	6	USAGE	TR
	7	LEGEND	DELETED TOWER
	8	SUBURB	
	9	STREETNAME	
	10	LOCATION	
	11	NOTES	
	12	Z	null
TOWER_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	SPECIAL_USE	(A) - Only Endeavour assets + Tx on pole
	5	STATE	Inservice
	6	USAGE	TR
	7	LEGEND	EXISTING TOWER
	8	LOCATION	
	9	STREETNAME	
	10	SUBURB	
	11	NOTES	
	12	Z	null
TOWER_MISC	1	ASSET_NUM	XXXXX
	2	USAGE	TR
	3	LEGEND	EXISTING TOWER
	4	NOTES	
	5	Z	null
TOWER_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	OPERATED_BY	IE
	5	MAINTAINED_BY	IE
	6	STRUCTURE_NUMBER	
	7	SPECIAL_USE	(A) - Only Endeavour assets + Tx on pole
	8	STATE	Proposed
	9	USAGE	TR
	10	LEGEND	NEW TOWER
	11	SUBURB	
	12	STREETNAME	
	13	LOCATION	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	14	NOTES	
	15	Z	null
TREE01E	1	Z	null
TREE02E	1	Z	null
TREE03E	1	Z	null
TREE04E	1	Z	null
TREE05E	1	Z	null
TREE06E	1	Z	null
TREE07E	1	Z	null
TREE08E	1	Z	null
TREE09E	1	Z	null
TREE1	1	Z	null
TREE10E	1	Z	null
TREE11E	1	Z	null
TREE12E	1	Z	null
TREE13E	1	Z	null
TREE14E	1	Z	null
TREE15E	1	Z	null
TREE16E	1	Z	null
TREE17E	1	Z	null
TREE18E	1	Z	null
TREE19E	1	Z	null
TREE2	1	Z	null
TREE20E	1	Z	null
TREE3	1	Z	null
TREE4	1	Z	null
TREE5	1	Z	null
TREEA	1	Z	null
TREEB	1	Z	null
TREEC	1	Z	null
TREED	1	Z	null
TREEE	1	Z	null
TREEF	1	Z	null
TREEG	1	Z	null
TREEH	1	Z	null
TREEI	1	Z	null
TREEJ	1	Z	null
TREEK	1	Z	null
TREEL	1	Z	null
TREEM	1	Z	null
TREEN	1	Z	null
TREEO	1	Z	null
TRF_FUSE_NEW	1	ASSET_NUM	
	2	ORIENTATION	UG

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	PARENT	
	4	USAGE	HV
	5	SUBURB	
	6	STREETNAME	
	7	Z	null
TR_CAPACITOR_BANK_EXT	1	ASSET_NUM	
	2	STATE	Proposed
	3	BANK_NUMBER	
	4	STRUCTURED_PLANT_NUMBER	
	5	USAGE	HV
	6	STREET_CODE	NotSet
	7	LOCATION	
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	ORIENTATION	OH
	12	OPERATING_VOLTAGE	11kV
	13	CONSTRUCTED_VOLTAGE	11kV
	14	FEEDER_NUMBER	
	15	FEEDER_NUMBER2	
	16	NO_PHASES	3
	17	PHASE	
	18	ACTUAL_STATUS	Closed
	19	Z	null
TR_CAPACITOR_BANK_NEW	1	ASSET_NUM	
	2	STATE	Proposed
	3	BANK_NUMBER	
	4	STRUCTURED_PLANT_NUMBER	
	5	USAGE	HV
	6	STREET_CODE	NotSet
	7	LOCATION	
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	ORIENTATION	OH
	12	OPERATING_VOLTAGE	11kV
	13	CONSTRUCTED_VOLTAGE	11kV
	14	FEEDER_NUMBER	
	15	FEEDER_NUMBER2	
	16	NO_PHASES	3
	17	PHASE	
	18	ACTUAL_STATUS	Closed
	19	Z	null
TR_Capacitor_Bank	1	ASSET_NUM	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	2	STATE	Proposed
	3	BANK_NUMBER	
	4	STRUCTURED_PLANT_NUMBER	
	5	USAGE	HV
	6	STREET_CODE	NotSet
	7	LOCATION	
	8	OWNED_BY	IE
	9	OPERATED_BY	IE
	10	MAINTAINED_BY	IE
	11	ORIENTATION	OH
	12	OPERATING_VOLTAGE	11kV
	13	CONSTRUCTED_VOLTAGE	11kV
	14	FEEDER_NUMBER	
	15	FEEDER_NUMBER2	
	16	NO_PHASES	3
	17	PHASE	
	18	ACTUAL_STATUS	Closed
	19	Z	null
TR_Circuit_Isolator_CLOSED	1	ASSET_NUM	
	2	STATE	
	3	STRUCTURED_PLANT_NUMBER	
	4	USAGE	TR
	5	STREET_CODE	NotSet
	6	LOCATION	
	7	OWNED_BY	IE
	8	OPERATED_BY	IE
	9	MAINTAINED_BY	IE
	10	ORIENTATION	OH
	11	OPERATING_VOLTAGE	132kV
	12	CONSTRUCTED_VOLTAGE	132kV
	13	FEEDER_NUMBER	
	14	FEEDER_NUMBER2	
	15	NO_PHASES	3
	16	PHASE	
	17	ACTUAL_STATUS	Closed
	18	Z	null
TR_Circuit_Isolator_OPEN	1	ASSET_NUM	
	2	STATE	
	3	STRUCTURED_PLANT_NUMBER	
	4	USAGE	TR
	5	STREET_CODE	NotSet
	6	LOCATION	
	7	OWNED_BY	IE
	8	OPERATED_BY	IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	9	MAINTAINED_BY	IE
	10	ORIENTATION	OH
	11	OPERATING_VOLTAGE	132kV
	12	CONSTRUCTED_VOLTAGE	132kV
	13	FEEDER_NUMBER	
	14	FEEDER_NUMBER2	
	15	NO_PHASES	3
	16	PHASE	
	17	ACTUAL_STATUS	Closed
	18	Z	null
TR_SUBSTATION_EXT	1	ASSET_NUM	
	2	STATE	In Service
	3	USAGE	TR
	4	STREET_CODE	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	UG
	9	OPERATING_VOLTAGE	132kV
	10	CONSTRUCTED_VOLTAGE	132kV
	11	NO_PHASES	3
	12	SUBSTATION_TYPE	TR
	13	SECONDARY_VOLTAGE	33kV
	14	Z	null
TR_SUBSTATION_NEW	1	ASSET_NUM	
	2	STATE	Proposed
	3	USAGE	TR
	4	STREET_CODE	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	UG
	9	OPERATING_VOLTAGE	132kV
	10	CONSTRUCTED_VOLTAGE	132kV
	11	NO_PHASES	3
	12	SUBSTATION_TYPE	TR
	13	SECONDARY_VOLTAGE	33kV
	14	Z	null
TR_SUPPLY_POINT_EXT	1	ASSET_NUM	
	2	STATE	In Service
	3	USAGE	TR
	4	OWNED_BY	Not IE
	5	OPERATED_BY	Not IE
	6	MAINTAINED_BY	Not IE

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	7	ORIENTATION	OH
	8	OPERATING_VOLTAGE	132kV
	9	CONSTRUCTED_VOLTAGE	132kV
	10	NO_PHASES	3
	11	TYPE	Supply Point Substation
	12	SUBSTATION_NAME	
	13	LABEL_ALIGNMENT	Centre Right
	14	Z	null
TR_SUPPLY_POINT_NEW	1	ASSET_NUM	
	2	STATE	In Service
	3	USAGE	TR
	4	OWNED_BY	Not IE
	5	OPERATED_BY	Not IE
	6	MAINTAINED_BY	Not IE
	7	ORIENTATION	OH
	8	OPERATING_VOLTAGE	132kV
	9	CONSTRUCTED_VOLTAGE	132kV
	10	NO_PHASES	3
	11	TYPE	Supply Point Substation
	12	SUBSTATION_NAME	
	13	LABEL_ALIGNMENT	Centre Right
	14	Z	null
TX_FUSE_NEW	1	ASSET_NUM	
	2	ORIENTATION	UG
	3	USAGE	HV
	4	PARENT	
	5	SUBURB	
	6	STREETNAME	
	7	Z	null
TX_LINK_EXT	1	USAGE	LV
	2	ORIENTATION	UG
	3	NOTES	
	4	Z	null
TX_LINK_NEW	1	USAGE	LV
	2	ORIENTATION	UG
	3	NOTES	
	4	Z	null
UBD Reference	1	XXXXXX	
	2	XXX-XXX	
	3	XXXX-XX	
UGOH_EXT	1	CONSTRUCTED_VOLTAGE	LV
	2	OPERATING_VOLTAGE	LV
	3	ORIENTATION	OH
	4	STATE	Proposed

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	5	USAGE	LV
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	ACTUAL_STATUS	Closed
	10	NUMBER_OF_PHASES	3
	11	TYPE	UGOH
UGOH_NEW	1	CONSTRUCTED_VOLTAGE	LV
	2	OPERATING_VOLTAGE	LV
	3	ORIENTATION	OH
	4	STATE	Proposed
	5	USAGE	LV
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	ACTUAL_STATUS	Closed
	10	NUMBER_OF_PHASES	3
	11	TYPE	UGOH
UG_COLUMN_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	COLUMN_TYPE	Steel(LV)
	4	OWNED_BY	IE
	5	STATE	Inservice
	6	USAGE	UG
	7	LEGEND	NEW COLUMN
	8	PARENT	
	9	SUBURB	
	10	STREETNAME	
	11	LOCATION	
	12	NOTES	
	13	MAINTAINED_BY	IE
	14	OPERATED_BY	IE
	15	LABEL_ALIGNMENT	Centre right
	16	Z	null
UG_COLUMN_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	COLUMN_TYPE	Steel(LV)
	4	OWNED_BY	IE
	5	STATE	Proposed
	6	USAGE	UG
	7	LEGEND	NEW COLUMN
	8	PARENT	
	9	SUBURB	
	10	STREETNAME	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	11	LOCATION	
	12	NOTES	
	13	MAINTAINED_BY	IE
	14	OPERATED_BY	IE
	15	LABEL_ALIGNMENT	Centre right
	16	Z	null
UG_PILLAR_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	STATE	Inservice
	5	SUPPORT_TYPE	Mains
	6	USAGE	UG
	7	LEGEND	NEW PILLAR
	8	PARENT	
	9	SUBURB	
	10	STREETNAME	
	11	LOCATION	
	12	NOTES	
	13	STREET_CODE_NUMBER	
	14	OPERATED_BY	IE
	15	MAINTAINED_BY	IE
	16	TYPE	Mains
	17	LABEL_ALIGNMENT	Centre right
	18	Z	null
UG_PILLAR_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	STATE	Proposed
	5	SUPPORT_TYPE	Mains
	6	USAGE	UG
	7	LEGEND	NEW PILLAR
	8	PARENT	
	9	SUBURB	
	10	STREETNAME	
	11	LOCATION	
	12	NOTES	
	13	STREET_CODE_NUMBER	
	14	OPERATED_BY	IE
	15	MAINTAINED_BY	IE
	16	TYPE	Mains
	17	LABEL_ALIGNMENT	Centre right
	18	Z	null
UG_PIT_EXT	1	STATE	In Service
	2	USAGE	UG

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	EQUIPMENT_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	TYPE	Cable Pit
	10	Z	null
UG_PIT_NEW	1	STATE	In Service
	2	USAGE	UG
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	EQUIPMENT_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	TYPE	Cable Pit
	10	Z	null
UG_POLE_EXT	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	PARENT	
	5	SPECIAL_USE	Only Endeavour assets on pole
	6	STATE	Inservice
	7	USAGE	UG
	8	cLV	
	9	hDepth	
	10	hDia	
	11	cHV	
	12	LBRACKET	
	13	LExisting	
	14	LANTNUMBER	
	15	LOther	
	16	LRemove	
	17	LEGEND	NEW POLE
	18	cLinedev	
	19	pExisting	
	20	PFNUMBER	
	21	NEWPFNUMBER	
	22	pFooting	
	23	pNew	X
	24	pNumber	
	25	pRelocate	
	26	pRemove	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	27	pReplace	
	28	pStay	
	29	pType	
	30	cspan	
	31	SUBURB	
	32	STREETNAME	
	33	LOCATION	
	34	NOTES	
	35	OPERATED_BY	IE
	36	MAINTAINED_BY	IE
	37	LABEL_ALIGNMENT	Centre right
	38	Z	null
UG_POLE_NEW	1	ASSET_NUM	
	2	STREET_CODE	
	3	OWNED_BY	IE
	4	PARENT	
	5	SPECIAL_USE	Only Endeavour assets on pole
	6	STATE	Proposed
	7	USAGE	UG
	8	cLV	
	9	hDepth	
	10	hDia	
	11	cHV	
	12	LBRACKET	
	13	LExisting	
	14	LANTNUMBER	
	15	LOther	
	16	LRemove	
	17	LEGEND	NEW POLE
	18	cLinedev	
	19	pExisting	
	20	PFNUMBER	
	21	NEWPFNUMBER	
	22	pFooting	
	23	pNew	X
	24	pNumber	
	25	pRelocate	
	26	pRemove	
	27	pReplace	
	28	pStay	
	29	pType	
	30	cspan	
	31	SUBURB	
	32	STREETNAME	

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	33	LOCATION	
	34	NOTES	
	35	OPERATED_BY	IE
	36	MAINTAINED_BY	IE
	37	LABEL_ALIGNMENT	Centre right
	38	Z	null
UG_SERVICE_PIT_EXT	1	STATE	In Service
	2	USAGE	UG
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	EQUIPMENT_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	TYPE	Service Pit
	10	LABEL_ALIGNMENT	Lower right
	11	Z	null
UG_SERVICE_PIT_NEW	1	STATE	Proposed
	2	USAGE	UG
	3	STREET_CODE	
	4	ASSET_NUMBER	
	5	EQUIPMENT_NUMBER	
	6	OWNED_BY	IE
	7	OPERATED_BY	IE
	8	MAINTAINED_BY	IE
	9	TYPE	Service Pit
	10	LABEL_ALIGNMENT	Lower right
	11	Z	null
UG_SUBSTATION_EXT	1	ASSET_NUM	
	2	STATE	In Service
	3	USAGE	UG
	4	STREET_CODE	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	UG
	9	OPERATING_VOLTAGE	132kV
	10	CONSTRUCTED_VOLTAGE	132kV
	11	NO_PHASES	3
	12	SUBSTATION_TYPE	TR
	13	SECONDARY_VOLTAGE	33kV
	14	Z	null
UG_SUBSTATION_NEW	1	ASSET_NUM	
	2	STATE	Proposed

BLOCK NAME	SEQUENCE	ATTRIBUTE	DEFAULT
	3	USAGE	UG
	4	STREET_CODE	
	5	OWNED_BY	IE
	6	OPERATED_BY	IE
	7	MAINTAINED_BY	IE
	8	ORIENTATION	UG
	9	OPERATING_VOLTAGE	132kV
	10	CONSTRUCTED_VOLTAGE	132kV
	11	NO_PHASES	3
	12	SUBSTATION_TYPE	TR
	13	SECONDARY_VOLTAGE	33kV
	14	Z	null
ZONE_SUBSTATION_EXT	1	ASSET_NUM	
	2	STATE	In Service
	3	USAGE	TR (TR
	4	OWNED_BY	IE
	5	OPERATED_BY	IE
	6	MAINTAINED_BY	IE
	7	ORIENTATION	OH
	8	OPERATING_VOLTAGE	132kV (33kV)
	9	CONSTRUCTED_VOLTAGE	132kV (33kV)
	10	NO_PHASES	3
	11	SUBSTATION_TYPE	Zone Substation
	12	SUBSTATION_NAME	
	13	SECONDARY_VOLTAGE	11kV
	14	LABEL_ALIGNMENT	
	15	Z	null
ZONE_SUBSTATION_NEW	1	ASSET_NUM	
	2	STATE	In Service
	3	USAGE	TR (TR
	4	OWNED_BY	IE
	5	OPERATED_BY	IE
	6	MAINTAINED_BY	IE
	7	ORIENTATION	OH
	8	OPERATING_VOLTAGE	132kV (33kV)
	9	CONSTRUCTED_VOLTAGE	132kV (33kV)
	10	NO_PHASES	3
	11	SUBSTATION_TYPE	Zone Substation
	12	SUBSTATION_NAME	
	13	SECONDARY_VOLTAGE	11kV
	14	LABEL_ALIGNMENT	Centre Right
	15	Z	null
_DetailCallout	1	VIEWNUMBER	VIEWNUMBER
	2	SHEETNUMBER	SHEETNUMBER

