



Project Overview

The provision of a new Primary Substation to serve the Bicester ARC development, Bicester, Oxfordshire.

The ASC for the site is 13,720 kVA, comprising of Industrial/Commercial Units and Multi-Room Accommodation

The system has been designed based on the GB1 Engineering Recommendation of the adopting Network Operator.

Point of Connection

The points of connection is at 33kV as advised by SSE and is in the location shown. The connection point is deemed as "On-Site", meaning, within your site boundary.

Network Distribution

The supplies to the site will be supplied from a new Primary Substation which is to be installed as shown. This will be a joint ownership arrangement between the DNO and IDNO.

24 hour unrestricted access will be required at all times.

Equipment is to be housed within a GRP/Steel Clad purpose built rooms within the relevant compounds supplied and installed by HVSS

The outgoing 11kV circuits awill be installed under separate contract.

33kV Cables

All 33kV cables will be laid direct in ducts with suitable tile/marker tape to the adopting Network Operator specifications.

All ducts/tile/marker tape are to be supplied by HVSS but installed by your Main "On-Site" Contractor whilst preparing the site and roadways.

LV Cable

N/A

Earthing

A full earthing study and design will be carried out for the construction of the PSS Compounds

Civil Works

All "ON-Site" civil works associated with routing the 33kV cabling and drainage etc to the boundary of the PSS Compounds to be undertaken by **OTHERS** in accordance with the design to be supplied by HVSS.

All "OFF-Site" excavation, reinstatement and builders works associated with the construction of the PSS Compounds, also including closing joint holes at the point of connection are to be undertaken by **HVSS**.

Legal Agreements

It has been assumed that the entire cable route and land for the PSS Compounds /equipment are within public highway, client owned land, or relevant 3rd party agreements in place.

1	Scale Added	05/07/23	AB	
0	For Information - DRAFT	16/06/23	AB	
Rev	Amendment	Date	Drwn	Chkd

FOR INFORMATION

HVSS

ELECTRICITY • GAS • WATER • FIBRE

High Voltage System & Services Ltd.
 Forest House, 2 Riley Road,
 Telford Way Ind. Est.,
 Kettering
 Northamptonshire NN16 8NN
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Client: **SLADEN ESTATES**

Project Name: **BICESTER ARC**

Drawing Title: **PRIMARY COMPOUND ELEVATIONS**

Site Address: **BICESTER ARC
LAKEVIEW DRIVE
BICESTER
OXFORDSHIRE
OX26 1DE**

Tendering Engineer: **S TAYLOR** Mobile: **07880 369118**

Scale @ Size: **As Shown @ A1** Sheet: **1/1**

Tender No.: **T2122221A** Drawing No.: **GAD-014**