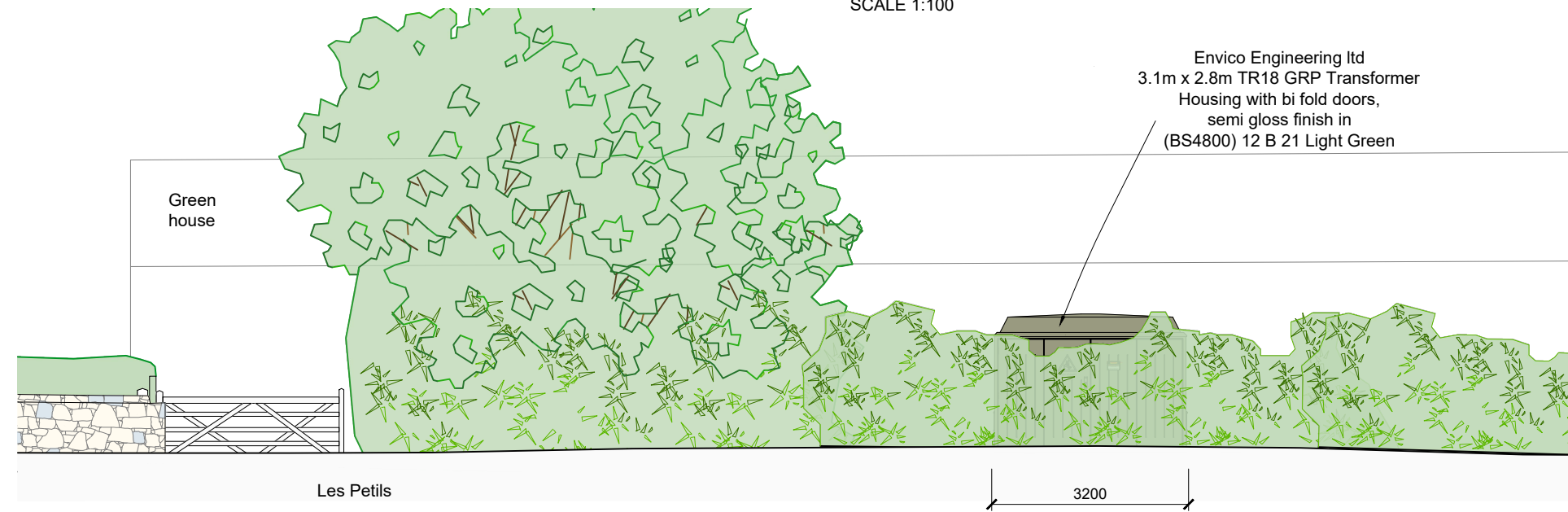


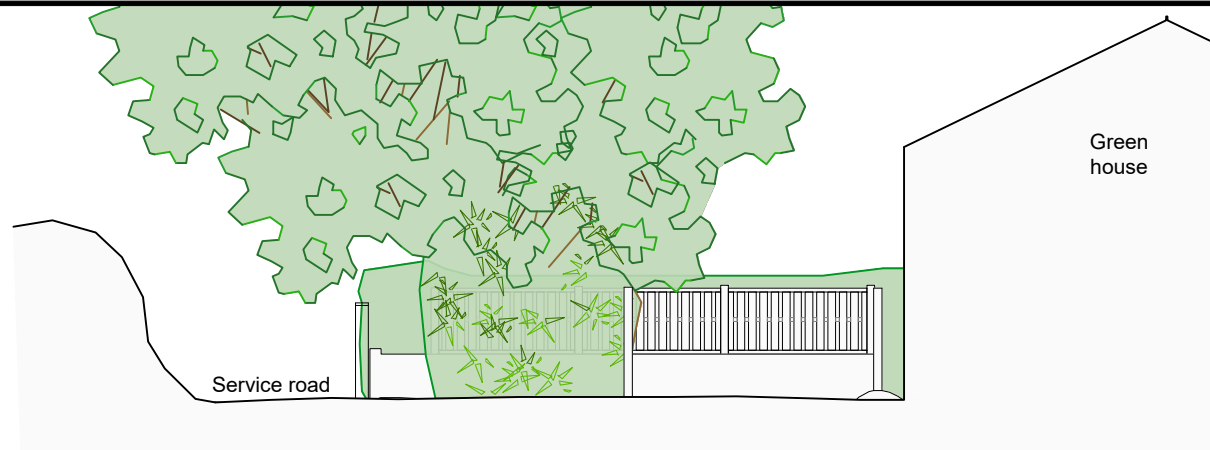
EXISTING SOUTH ELEVATION

SCALE 1:100



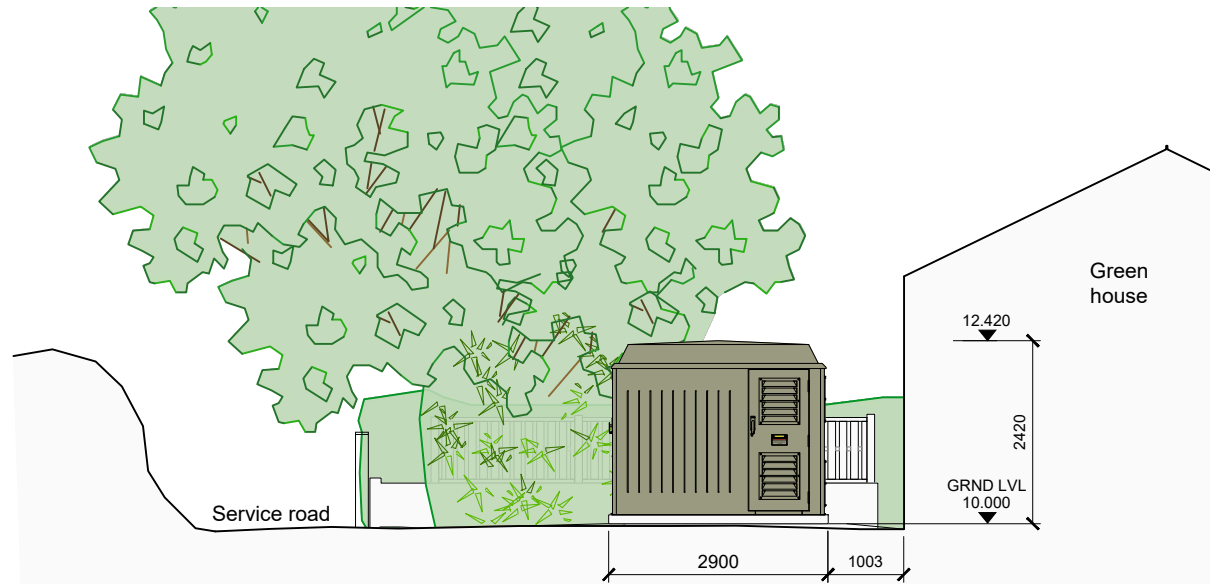
PROPOSED SOUTH ELEVATION

SCALE 1:100



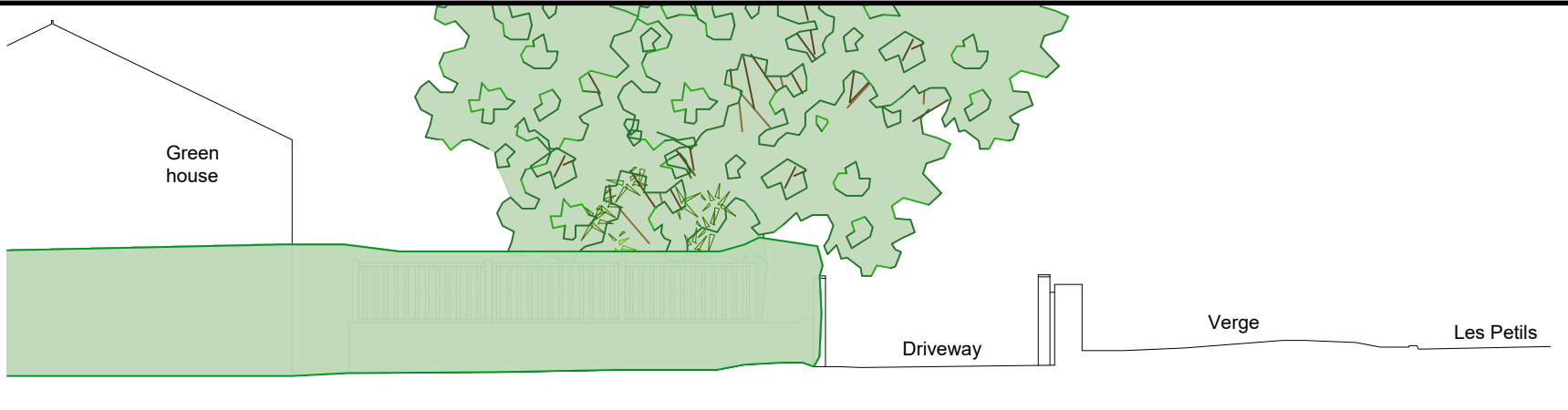
EXISTING EAST ELEVATION

SCALE 1:100



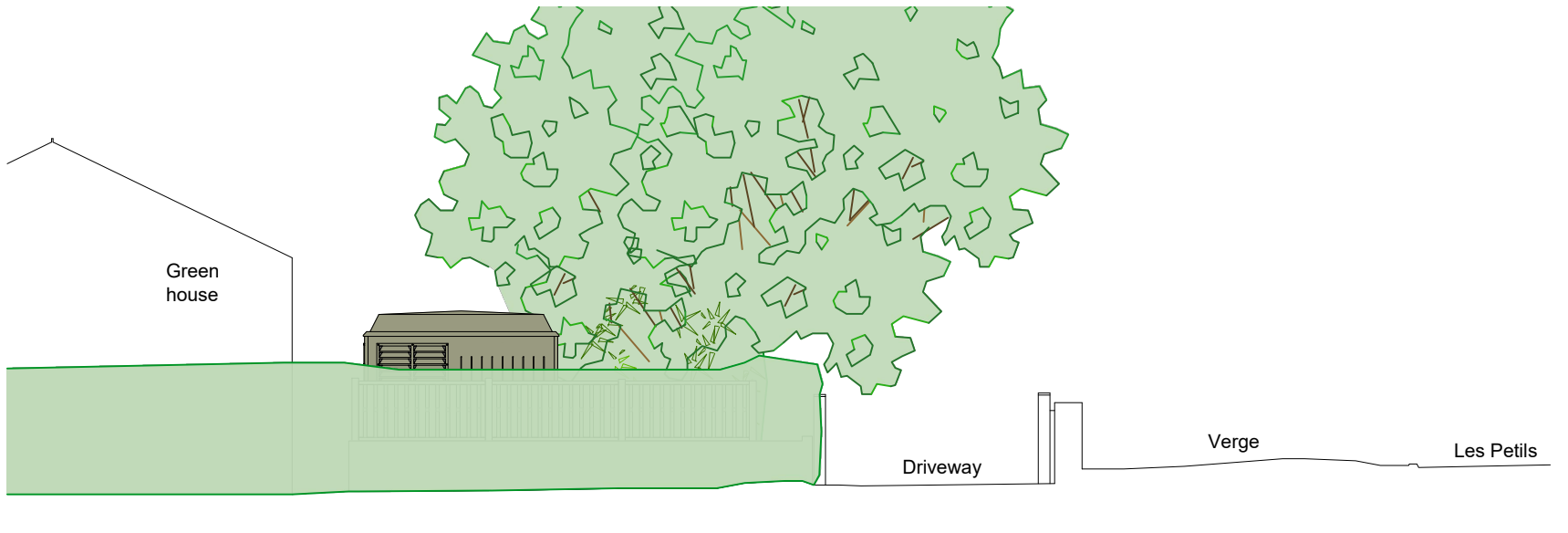
PROPOSED EAST ELEVATION

SCALE 1:100



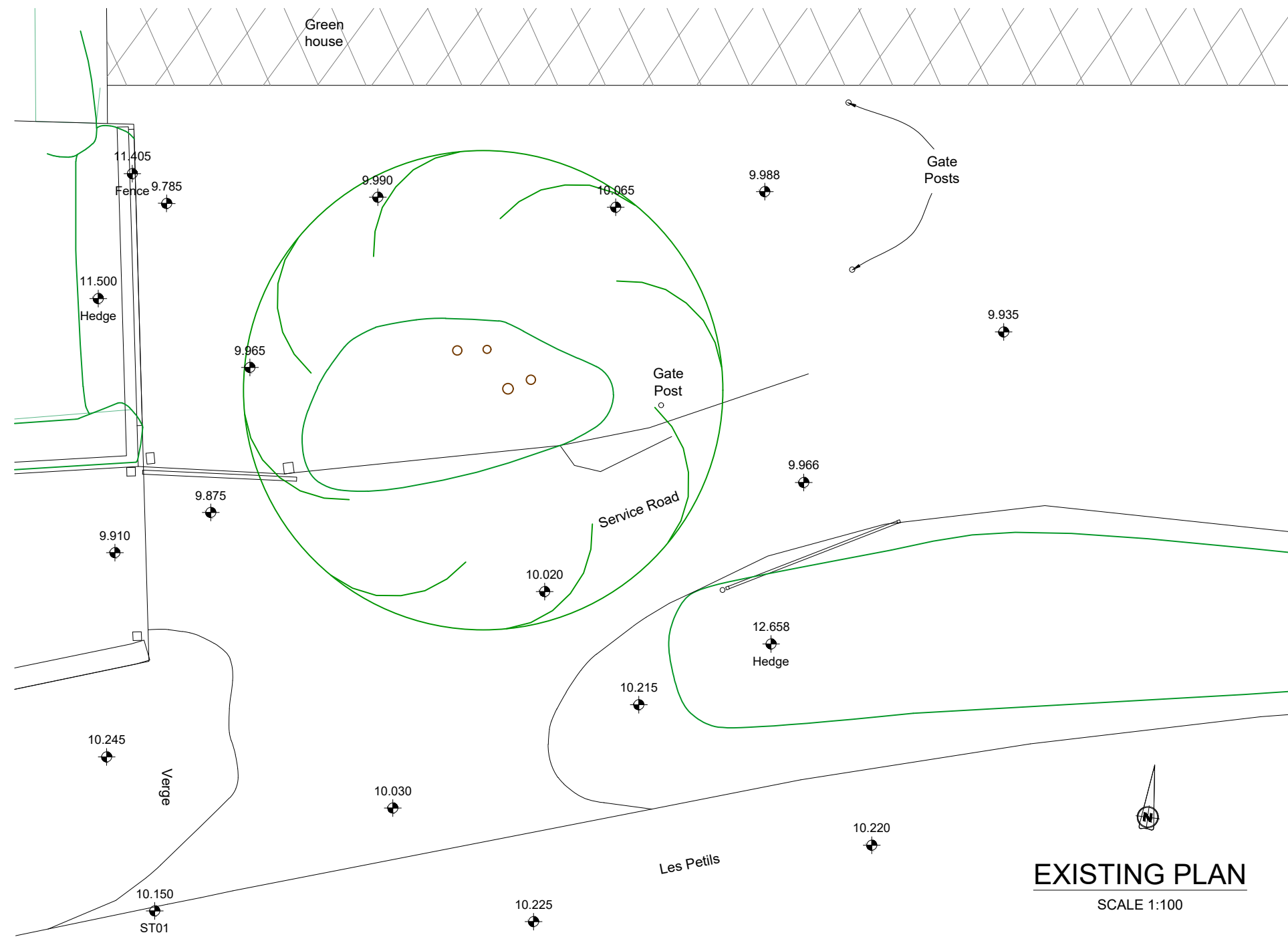
EXISTING WEST ELEVATION

SCALE 1:100



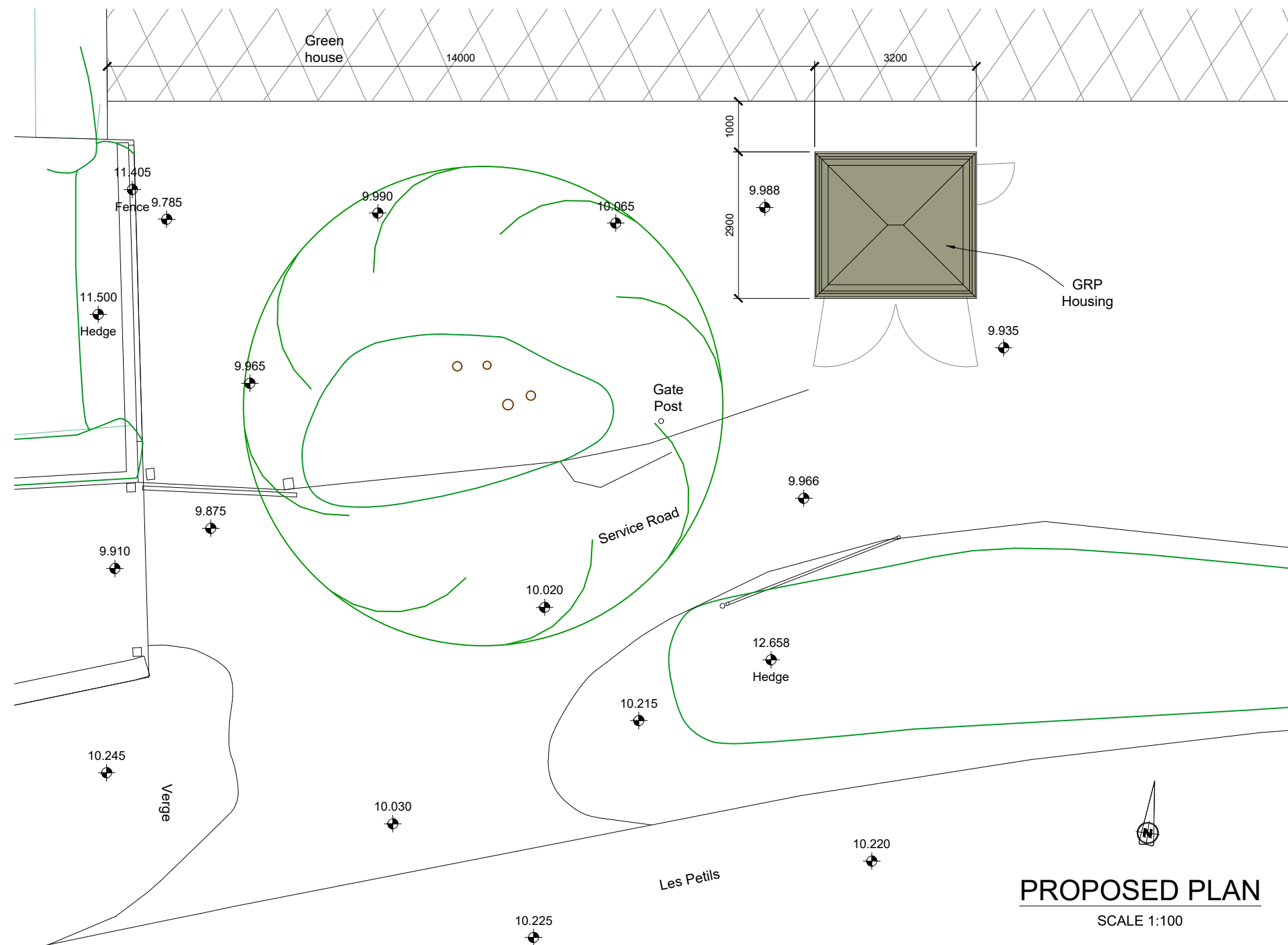
PROPOSED WEST ELEVATION

SCALE 1:100



EXISTING PLAN

SCALE 1:100



PROPOSED PLAN

SCALE 1:100

Island Development Plan 2016

GP9: Sustainable Development

This information note has been prepared in support of our planning application for replacement of the existing nearby Electricity Distribution Substation constructed circa 1965.

The proposed scheme considers various strategic and legislative parameters as covered in the attached supporting documentation provided separately.

The proposal makes full use of site and provides a better and modern solution to what is currently provided.

Maintenance at the site will be undertaken with technicians parking on site with agreement of the land owner. Guernsey Electricity has reviewed the network and aerial photography, & found the proposed site is the best option for replacement of the existing substation within the local vicinity. The proposed scheme provides a safe and secure working area for our engineers.

The materials proposed in this scheme have been carefully chosen to provide the necessary safety and security as outlined in the attached supporting documentation.

GP17: Public Safety & Hazardous Development

It is proposed to secure the perimeter of the Guernsey Electricity Ltd electrical distribution equipment within an industry specific GRP housing, preventing unauthorised access & providing necessary environmental and security measures.

IP11: small-scale infrastructure provision

The proposal replaces the existing electrical distribution equipment dating from the 1960's with new modern standard distribution equipment, in a smaller site footprint.

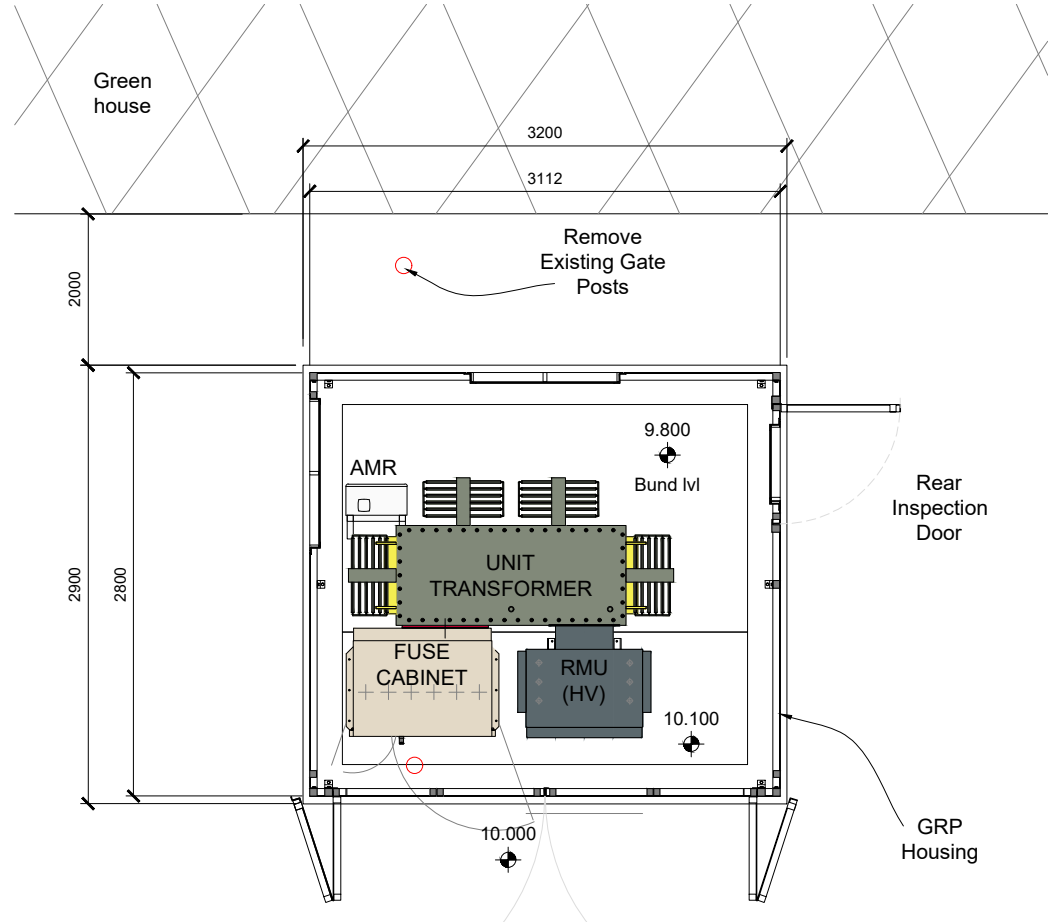
NOTES

Site Security: Envico Engineering Ltd 3.112m x 2.800m TR18 GRP Transformer housing with bi fold front doors, side emergency exit & total of 4 nos ar vents, finished white internally & semi gloss finish in (BS4800) 12 B 21 Light Green externally

Equipment:

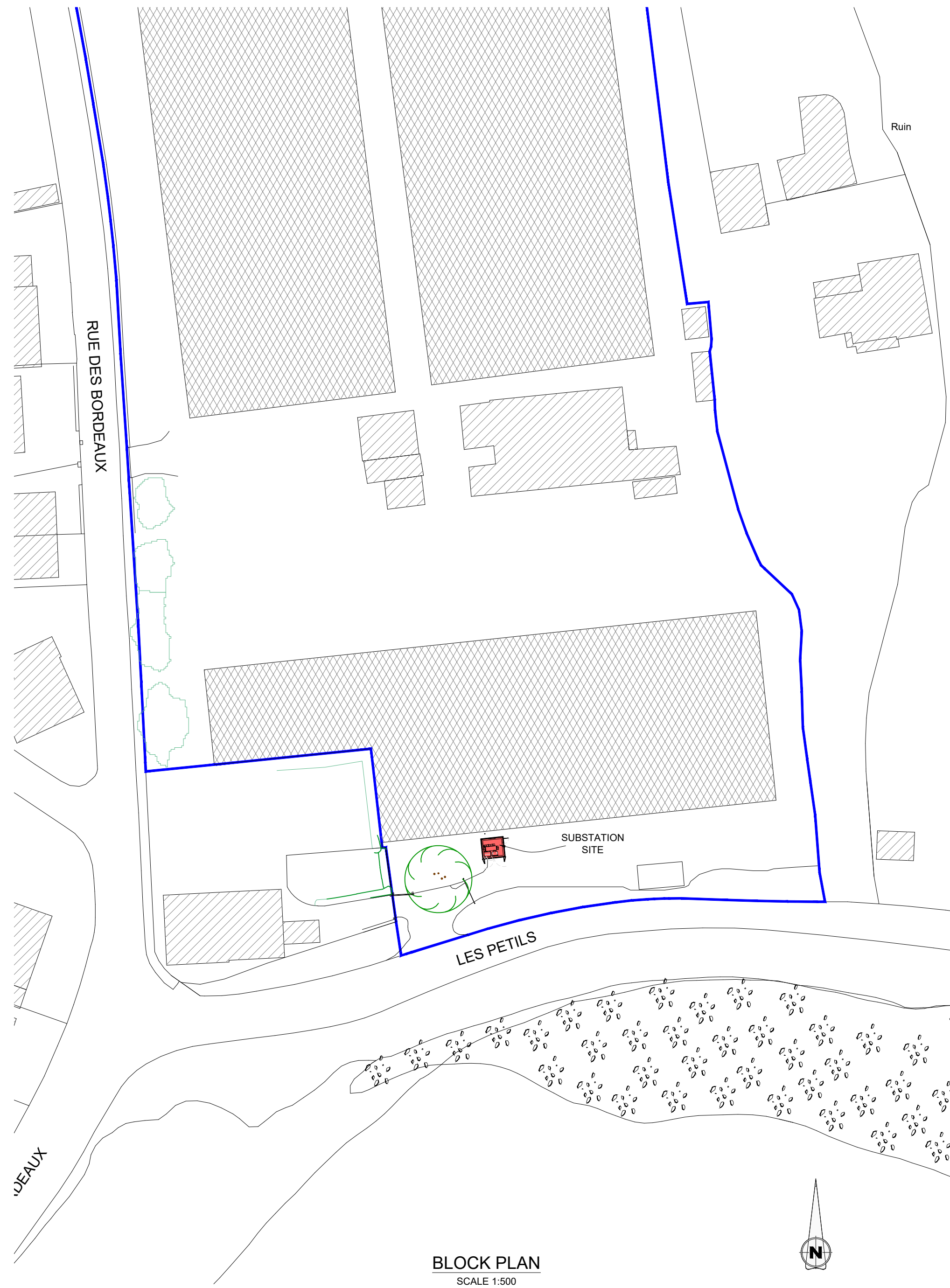
Transformer: 1MVA CG Power Unit TX  
Switchgear: Future RMU weight 300kg  
Fuse Cabinet: Lucy Acukol 6 way fuse cabinet

Electrical equipment finish: Gloss paint on primer Standard Guernsey Electricity finish Emerald Green (RAL 6001) if outdoors for more than 6 months, or as supplied for indoors



PROPOSED EQUIPMENT PLAN

SCALE 1:50

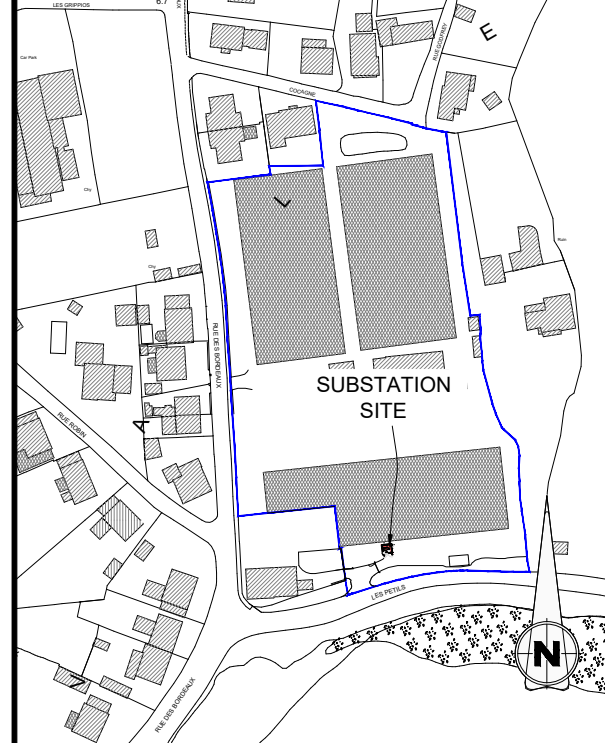


BLOCK PLAN

SCALE 1:500

IF IN DOUBT ASK

THIS DRAWING IS THE COPYRIGHT OF GUERNSEY ELECTRICITY LTD  
FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS  
ALL DIMENSIONS TO BE CHECKED ON SITE AND ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER  
DETAIL AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS



LOCATION PLAN

SCALE 1:2500

FINISHES

Workmanship: To comply with the relevant parts of BS 8000, & Guernsey Technical Standard Regulation 11 on Materials & Workmanship, & comply with all current Building Regulations, British Standards, Codes of Practice & Health & Safety Requirements, whether or not wholly depicted in this drawing.

Additional works: All additional works shall be agreed to in writing and carried out in accordance with the standards as noted above/below. Any proportional savings and additions as a result of variations shall also be confirmed in writing by all parties concerned, prior to the commencement of proposed works.

Bed construction: 150mm thk concrete reinforced with A393 mesh (bottom) on 50mm sand blinding on consolidated hardcore

Equipment: Delivered to site in its component parts  
Transformer: CG Power 1MVA Unit TX weight 3170kg 915lters  
HV: Transformer mounted Schneider Ringmaster RN2d Ring Main Unit: Weight 300kg  
LV: Transformer mounted Lucy Acukol 6 way fuse cabinet. Weight: 330kg

Electrical equipment finish: as supplied or gloss paint on primer standard Guernsey Electricity finish Emerald Green (RAL 6001) if kits is outdoors for longer than 6 months before the GRP Enclosure is fitted

Bundling: Designed for the maximum of a 1MVA transformer  
140x215x440 standard blocks on flat with 20mm water proof render with plastic angle bead edges, & two coats of Betacel Flex cementitious liner, laid to Manufacturers instructions, 'before' equipment plinths fitted  
CG Power 1MVA Unit TX, 915 litres of oil x 110% = 1.007m³ to bund  
GRP Enclosed site with rendered bund wall = 1.242m³

Security: Envico Engineering Ltd 3.112m x 2.8m TR18 GRP Transformer Housing, semi gloss finish in (BS4800) 12 B 21 Light Green

Associated Drawings:

P017890-D01/1 Substation Site & Cables Wayleave

REV	DATE	DESCRIPTION	INT	APP
C	17/06/20	GRP HOUSING ROTATED FOR OPENING TO FACE SOUTH	RB	
B	15/06/20	PLANNING PROPOSAL MOVE EAST FROM REV A PROPOSAL	RB	
A	12/06/20	PLANNING PROPOSAL CHANGED FROM WESTERN SITE ENTRANCE TO SOUTHERN SITE ENTRANCE	RB	

This is a controlled maintained document. All copies printed, photocopied or via the internet will be deemed uncontrolled.



GUERNSEY ELECTRICITY Ltd  
SUBSTATION  
LES PETILS,  
VALE, GUERNSEY

SUBSTATION DEVELOPMENT:  
PROPOSED PLANS & ELEVATIONS

RB	RB 19/02/2020	PLT 18/03/2020
09-0033	P017890-D04/1	C