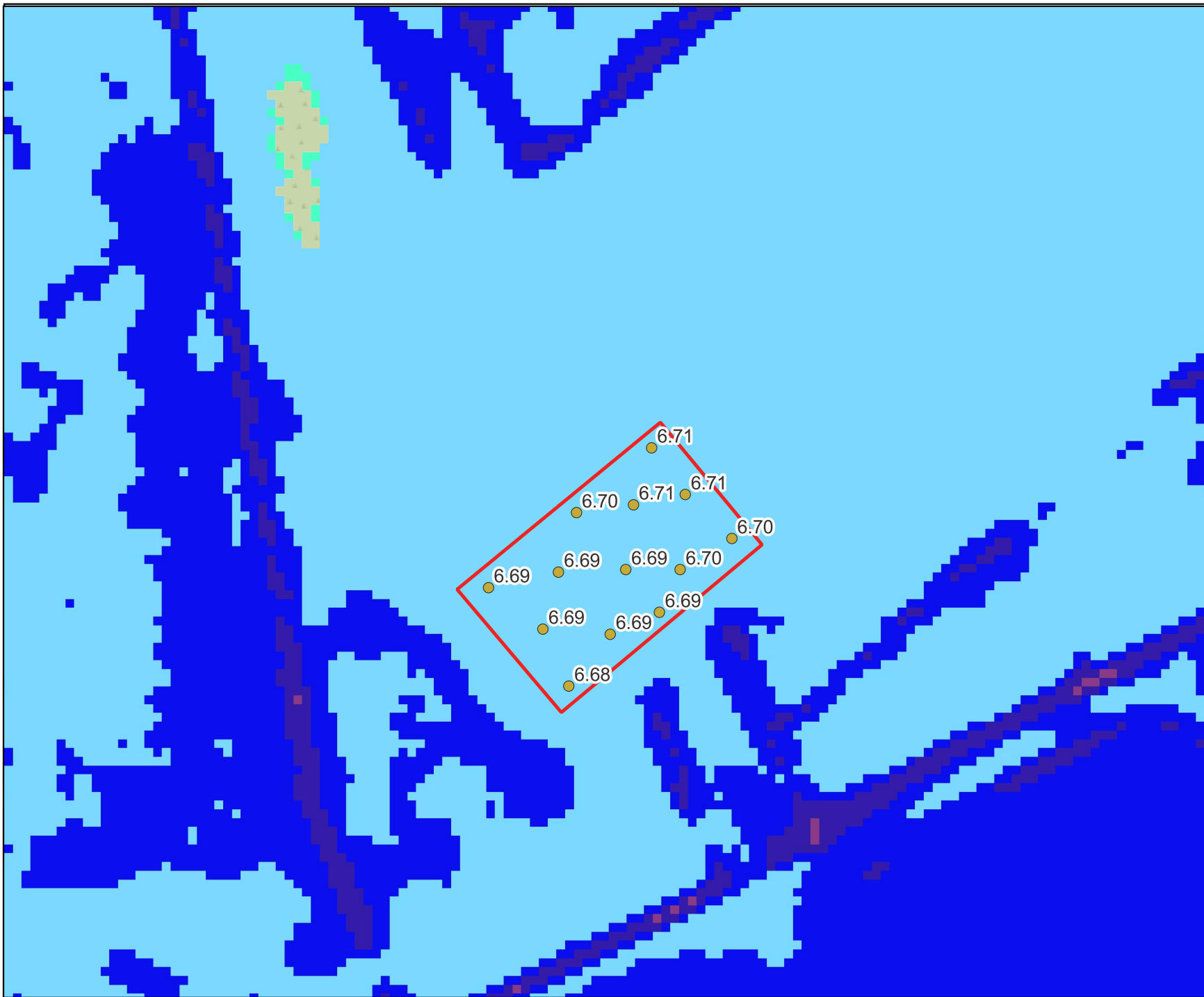




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Notes
1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purpose for which it was prepared and provided.
2. If received electronically it is the recipients responsibility to print to the correct scale. Only written dimensions should be used.

Red Line Boundary

Depth (m)

<= 0.0000

<0.25

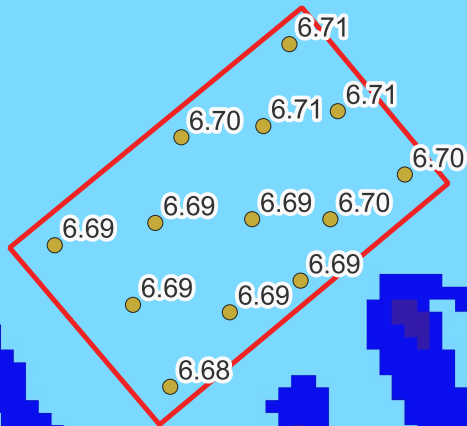
0.25 - 0.5

0.5 - 0.75

0.75 - 1.0

>1.0

Level (m AOD)



**rps**
A TETRA TECH COMPANY

20 Farringdon Street
London, EC4A 4AB
E: rps@hydrologyservices.com
@rpsgroup.com

Client: SSE

Title: Undefended 1 in 1000 year
Present Day Depths and Levels-
River Ebbw

Site: Imperial Park

Date: 23-06-2025

Scale:1:1,200

Size: A4

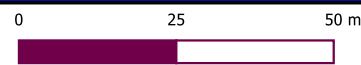
Job Ref: ENV-HYD-22018

Rev: 01

Drawn
CE

Checked
AV

Approved
JM



Appendix B

IDB Response

Evans, Caitlin

From: Enquiries <enquiries@cyfoethnaturiolcymru.gov.uk>
Sent: Wednesday, June 18, 2025 11:41 AM
To: Evans, Caitlin
Subject: RE: IDB consultation - Imperial Park, Newport NRW:00694376

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

Hello,

Thank you for contacting Natural Resources Wales (NRW). Please see the below response from the relevant team at NRW.

As the site is located in the Gwent Levels Internal Drainage District (IDD) There are possible requirements for Land Drainage Consents within the IDD. [Natural Resources Wales / Apply for land drainage consent](#)

There are no main rivers within the area covered by the proposed cable route, so no Flood Risk Activity Permit (FRAP) required.

For the Flood Consequence Assessment (FCA) they will need to consider the requirements of TAN 15 [Technical Advice Note 15: Development, flooding and coastal erosion](#) where Figure 2 sets out the technical requirements of a Flood Consequence Assessment (FCA).

If they wish to seek specific discretionary pre-application planning advice then they'd need to contact southeastplanning@cyfoethnaturiolcymru.gov.uk

This link [Natural Resources Wales / Building in flood risk areas](#) may also be useful to for further guidance/advice.

Kind regards,

John Littlemore

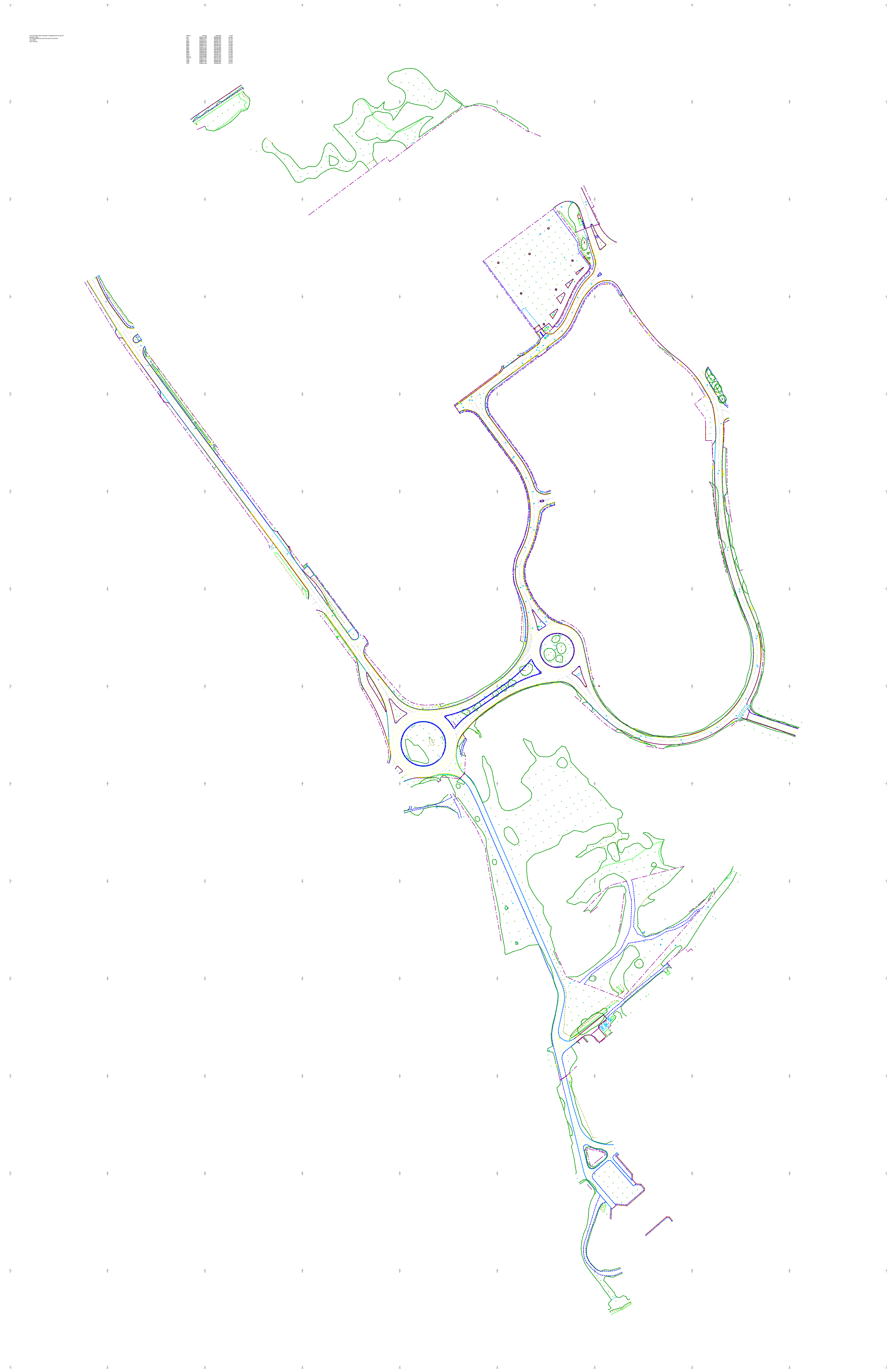
Cymorth Cyswllt Cyfoeth / Customer Hub Support
Cwsmeriaid, Cyfathrebu a Masnachol / Customer, Communications and Commercial Directorate
Rhif ffôn: 03000 653 000 / Phone number: 03000 653 000
E-bost / E-mail: enquiries@naturalresourceswales.gov.uk
[Cyfoeth Naturiol Cymru](#) / [Natural Resources Wales](#)



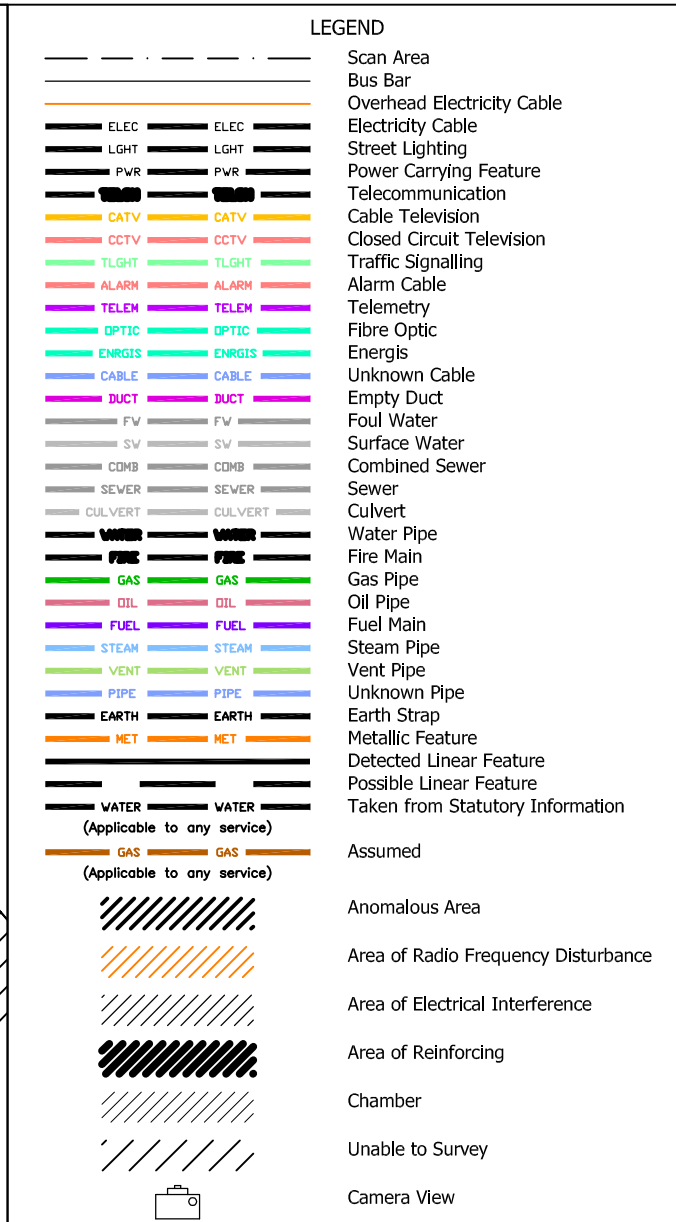
Croesewir gohebiaeth yn Gymraeg a byddwn yn ymateb yn Gymraeg, heb i hynny arwain at oedi.
Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.

Appendix C

Topographic Survey and Geotechnical Survey



CONTROL COORDINATE SCHEDULE (OSGB36)			
STATION	EASTING	NORTHING	HEIGHT
STN A	328599.414	183659.629	6.111
STN B	328587.620	183740.128	6.130
STN C	328587.620	183778.345	6.103
STN D	328651.304	183781.677	6.164
STN E	328623.677	183810.612	6.150
STN F	328565.700	183712.815	6.118
STN G	328545.717	183695.417	6.074
STN H	328538.912	183689.806	6.099
STN I	328515.424	183723.204	6.014
STN J	328625.254	183820.436	6.087
STN K	328703.463	183730.785	6.082
STN L	328524.687	183657.977	6.045
STN H	328545.863	183634.944	6.123



ABBREVIATIONS (where applicable)			
AV	Alt Value	LP	Lamp Post
BC	Bomb	NI	Manhole
BI	Bicycle	NH	Number
BOL	Bottom of Channel		
BT	British Telecom Cover	RE	Reading Eye
CB	Cabinet	RG	Rain Gully
CATV	Cable Television Cover	RS	Road Sign
CCTV	Closed Circuit TV	SG	Sign Post
CL	Cable Junction	ST	Street Sign
DLA	Down Level	SVN	Survey Station
DP	Down Pipe	SV	Sluice Valve
EJB	Electricity Junction Box	T	Top of Chamber
EP	Electricity Pole	TCB	Telephone Call Box
EV	Electric Valve	TL	Traffic Light
FI	Fire Hydrant	TCB	Telephone Call Box
FR	Fuel	U	Underfoot
IC	Inspection Cover	VP	Verte Pipe
IL	Iron	W	Water Meter
IRS	Illuminated Road Sign	WO	Wash Out

NOTES

Depending on their individual suitability, a variety of detection methods were applied using all reasonable skill and care, in order to obtain the underground information needed to produce these survey results.

Variations in ground conditions, density of services and/or other external influences may affect the accuracy of the data recorded for this non-invasive survey. The detection and accuracy of any subsurface feature detected using non-invasive techniques is not guaranteed.

Underground services shown on this drawing are illustrated by an individual service line. This does not necessarily represent number of cables and/or ducts.

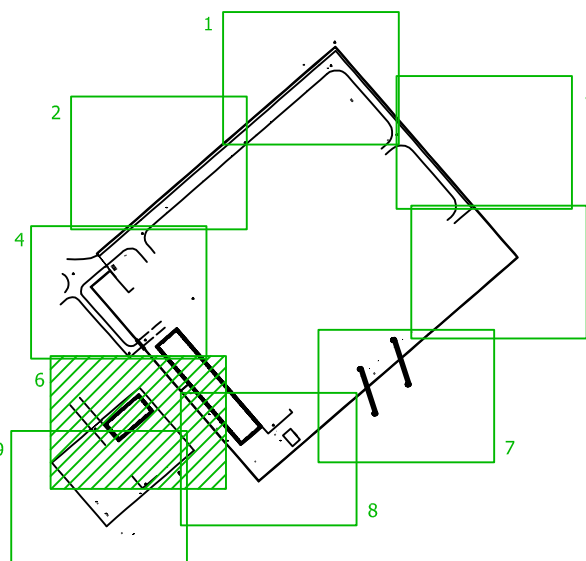
Depths shown are to top of service or feature unless otherwise stated. Generally $\pm 10\%$ of the detected feature depth, in both the vertical and horizontal planes. All depths obtained both through direct measurement and non-invasive detection are as accurate as possible.

The definition of an anomalous area is an area where the radar data shows a substantial change in uniform data from its surrounding area. These areas could be voids, heavily saturated ground, buried tanks or other subsurface features.

Unless otherwise stated all coordinates and levels are related to OSGB36 datum by GPS.
Real Time Kinematic (RTK) accuracies: Horizontal 10mm + 1 ppm, Vertical 20mm + 1ppm
Rapid Static accuracies: Horizontal 5mm + 1 ppm, Vertical 10mm + 1ppm

IF IN DOUBT ASK

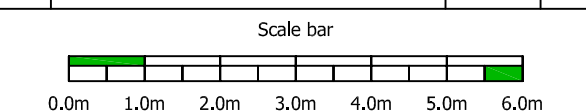
SHEET LAYOUT

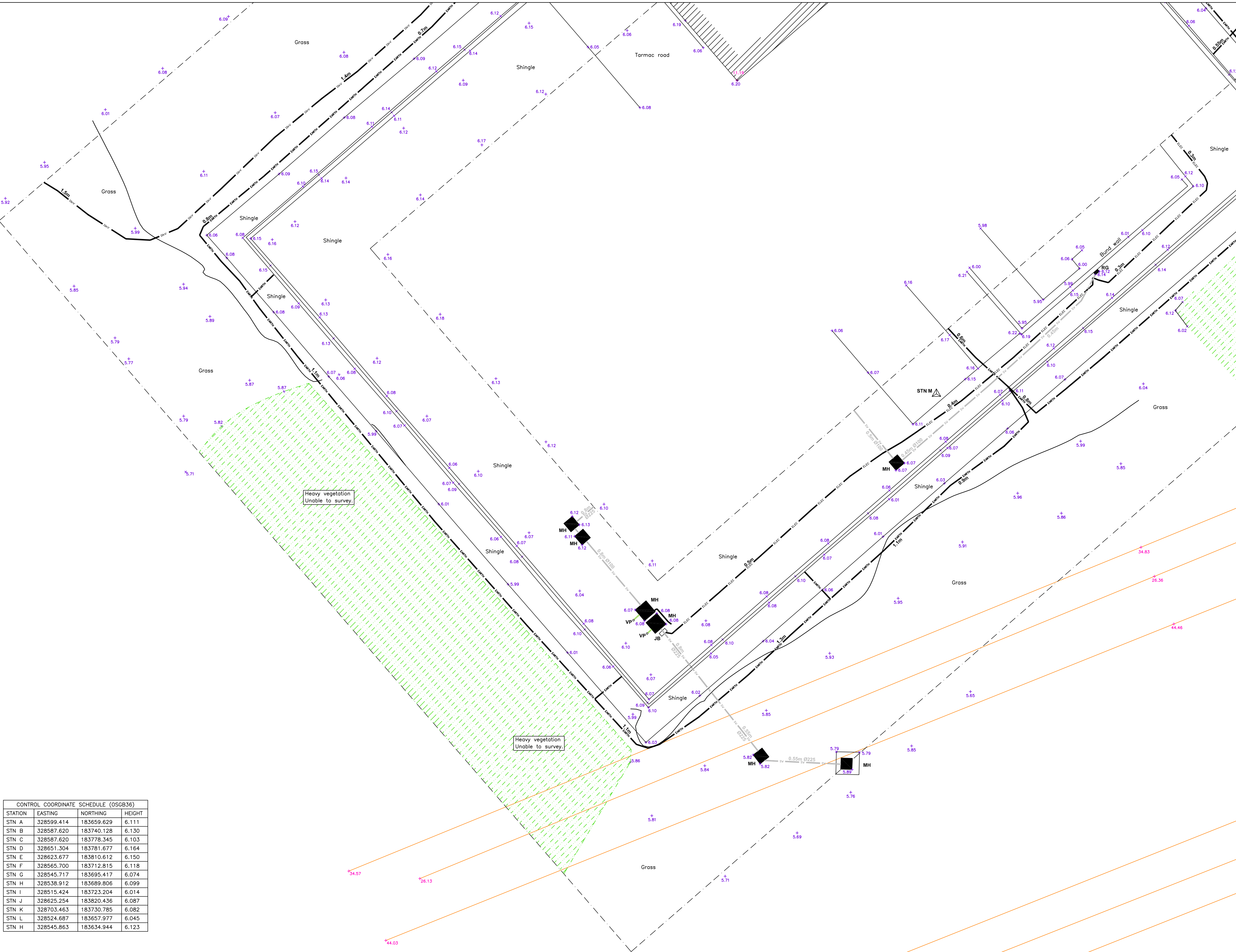


GEOTEC SURVEYS LIMITED
PO Box 99, Godalming, Surrey, GU7 2XT
TEL: 01428 686168 EMAIL: geotec@geotecsveys.com
FAX: 01428 686169 WEB: www.geotecsveys.com

Client:	Site:
Mott MacDonald	National Grid Imperial Park
Victory House	400KV Sub-Station
Trafalgar Place	Dyffryn Lane
Brighton	Newport
BN1 4FY	Wales

Project No: 1209s020K	Date: October 2012
Sheet No: 6 of 9	Scale: A1 Sheet @ 1:100

[illegible]



CONTROL COORDINATE SCHEDULE (OSGB36)			
STATION	EASTING	NORTHING	HEIGHT
STN A	328599.414	183659.629	6.111
STN B	328587.620	183740.128	6.130
STN C	328587.620	183778.345	6.103
STN D	328651.304	183781.677	6.164
STN E	328623.677	183810.612	6.150
STN F	328565.700	183712.815	6.118
STN G	328545.717	183695.417	6.074
STN H	328538.912	183689.806	6.099
STN I	328515.424	183723.204	6.014
STN J	328625.254	183820.436	6.087
STN K	328703.463	183730.785	6.082
STN L	328524.687	183657.977	6.045
STN H	328545.863	183634.944	6.123

LEGEND

Scan Area	Scan Area
Bus Bar	Bus Bar
Overhead Electricity Cable	Overhead Electricity Cable
Electricity Cable	Electricity Cable
Street Lighting	Street Lighting
Power Carrying Feature	Power Carrying Feature
Telecommunication	Telecommunication
Cable Television	Cable Television
Closed Circuit Television	Closed Circuit Television
Traffic Signalling	Traffic Signalling
Alarm Cable	Alarm Cable
Telemetry	Telemetry
Fibre Optic	Fibre Optic
Engraving	Engraving
Unknown Cable	Unknown Cable
Empty Duct	Empty Duct
Foul Water	Foul Water
Surface Water	Surface Water
Combined Sewer	Combined Sewer
Sewer	Sewer
Culvert	Culvert
Water Pipe	Water Pipe
Gas Pipe	Gas Pipe
Oil Pipe	Oil Pipe
Fuel Main	Fuel Main
Steam Pipe	Steam Pipe
Vent Pipe	Vent Pipe
Unknown Pipe	Unknown Pipe
Earth Strap	Earth Strap
Metallic Feature	Metallic Feature
Detected Linear Feature	Detected Linear Feature
Possible Linear Feature	Possible Linear Feature
Taken from Statutory Information	Taken from Statutory Information
(Applicable to any service)	Assumed
Anomalous Area	Anomalous Area
Area of Radio Frequency Disturbance	Area of Radio Frequency Disturbance
Area of Electrical Interference	Area of Electrical Interference
Area of Reinforcing	Area of Reinforcing
Chamber	Chamber
Unable to Survey	Unable to Survey
Camera View	Camera View

ABBREVIATIONS (where applicable)

AV	Air Valve	LP	Lamp Post
BC	Bottom of Chamber	MH	Manhole
BT	British Telecom Cover	RE	Riser
BOL	Bottom of Lamp	RS	Rain Gully
CAB	Cabinet	ST	Stop Sign
CATV	Cable Television Cover	SP	Sign Post
CL	Cover Level	STN	Street Light
CP	Down Pipe	SV	Sub-Valve
DIA	Diameter	TC	Top of Chamber
EP	Electricity Pole	TG	Telephone Call Box
ER	Earth Rod	TL	Traffic Light
FI	Fire Hydrant	TP	Telephone Pole
GV	Gas Valve	UTL	Unable To Lift
IC	Inspection Cover	VP	Vent Pipe
IL	Invert Level	WH	Water Meter
IRS	Illuminated Road Sign	W/O	Wash Out

NOTES

Depending on their individual suitability, a variety of detection methods were applied using all reasonable skill and care, in order to obtain the underground information needed to produce these survey results.

Variations in ground conditions, density of services and/or other external influences may affect the accuracy of the data recorded for this non-invasive survey. The detection and accuracy of any subsurface features detected using non-invasive techniques is not guaranteed.

ALWAYS EXERCISE CAUTION WHEN EXCAVATING.

Underground services shown on this drawing are illustrated by an individual service line. This does not necessarily represent number of cables and/or ducts.

Depths shown are to top of service or feature unless otherwise stated. Generally +/- 10% of the detected feature depth, in both the vertical and horizontal planes. All depths obtained both through direct measurement and non-invasive detection are as accurate as can be achieved at the time of survey.

Ripe sizes are shown only from visual inspection or taken from statutory records.

The definition of an anomalous area is an area where the radar data shows a substantial change in uniform data from its surrounding area. These areas could be voids, heavily saturated ground, buried tanks or other subsurface features.

Unless otherwise stated all coordinates and levels are related to OSGB36 datum by GPS. Real Time Kinematic (RTK) accuracies: Horizontal 10mm + 1 ppm, Vertical 20mm + 1 ppm. Rapid Static accuracies: Horizontal 5mm + 1 ppm, Vertical 10mm + 1 ppm.

IF IN DOUBT ASK

SHEET LAYOUT

GEOTEC
underground mapping

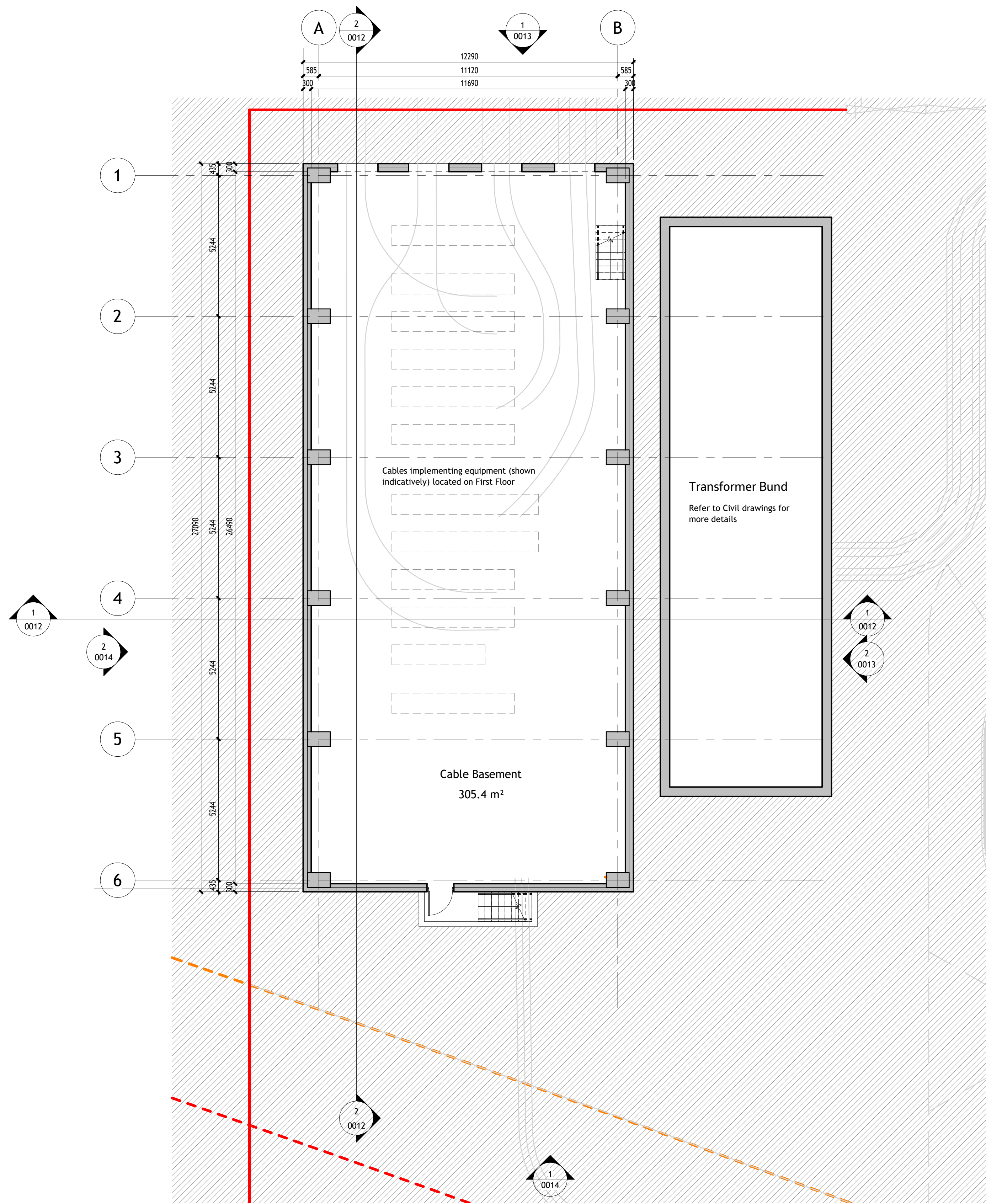
GEOTEC SURVEYS LIMITED
PO Box 99, Godalming, Surrey, GU7 2XT
TEL: 01428 686168 EMAIL: geotec@geotecsveys.com
FAX: 01428 686169 WEB: www.geotecsveys.com

Client:	Matt MacDonald Victory House Troilgar Place Brighton BN1 4FY	Site:	National Grid Imperial Park 400kV Sub-Station Dyffryn Lane Newport Wales		
Project No:	1209s020K	Date:	October 2012		
Sheet No:	9 of 9	Scale:	A1 Sheet @ 1:100		
Drawn by:	DT	Checked by:	AB	Approved by:	DT
Number	Revisions		Initial	Date	

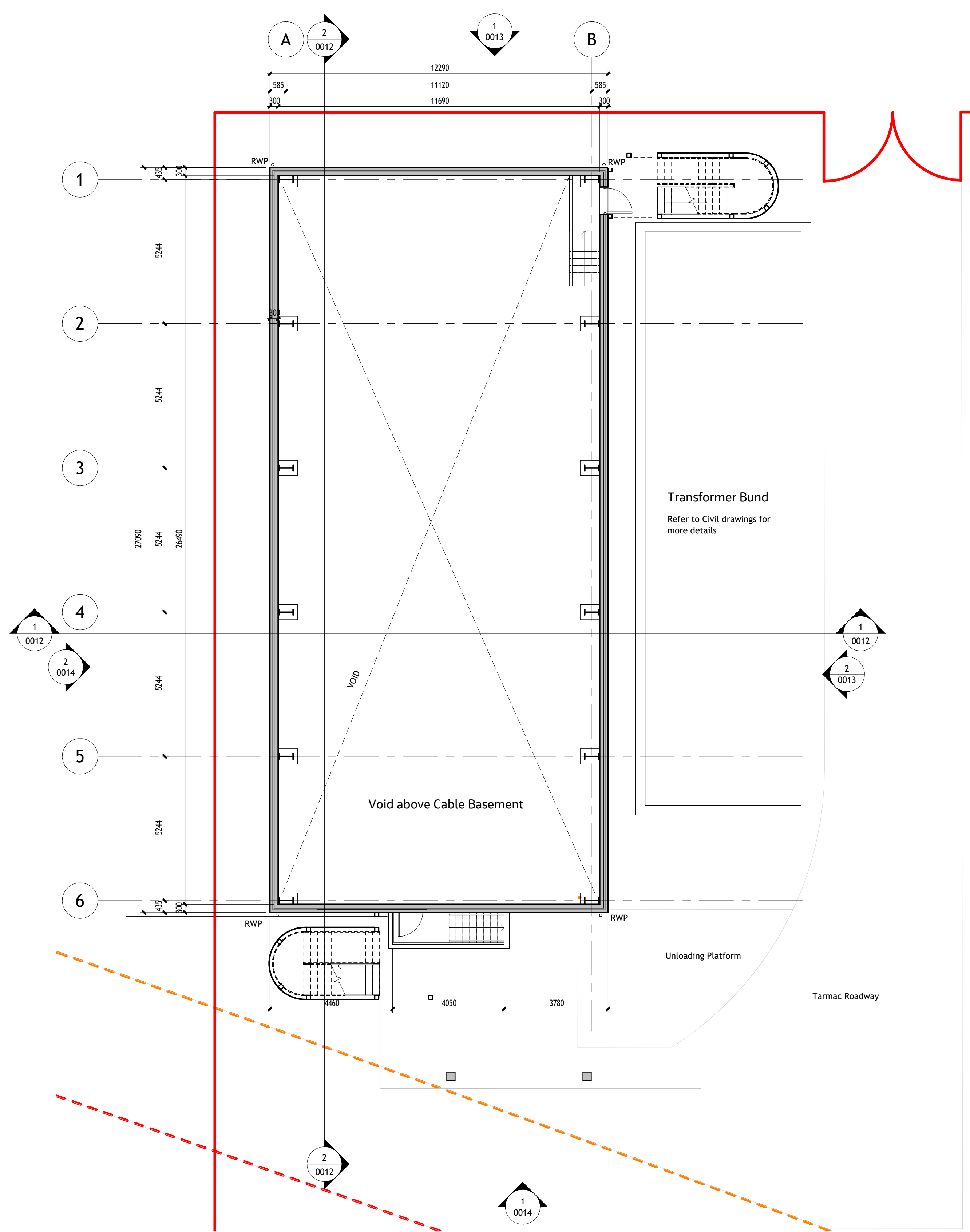
Scale bar

Appendix D

Development Plans



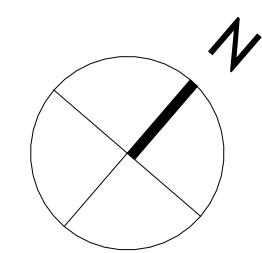
2 Lower Ground Level
1 : 100



1 Upper Ground Level
1 : 100

NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- THIS DRAWING IS FOR DEVELOPMENT PURPOSES ONLY.
- FOR SPACEPROOF, THE PROPOSED SGT FOOTPRINT IS REFERRED FROM THE DRG. NO. AT-PC2300042 V2, MAKE: EFACEC.
- THE EXISTING SERVICES TO BE PROTECTED, WHERE THERE ARE CLASHES WITH THE NEW WORK SERVICES TO BE RELOCATED.
- GIS SWITCHGEAR LAYOUT IS BASED ON GE MAKE 132kV GIS SWITCHGEAR F35-41G MODULE. HOWEVER, GIS BUILDING SIZE CAN BE CHANGED BASED ON FINAL PROJECT SPECIFIC VENDOR DRAWINGS DURING DETAILED ENGINEERING STAGE.
- NER GA IS TO BE CONFIRMED BASED ON PROJECT SPECIFIC FINAL VENDOR DRAWINGS.
- LOCATION OF OHL SHOWN IS TENTATIVE AND WILL BE CONFIRMED AFTER SURVEY.
- DG SET LOCATION TO BE CONFIRMED.
- THE EXTERNAL STAIRWAY ENCLOSURES ARE INDICATIVE ONLY
- TRANSFORMER DETAILS IN BUND OMITTED FOR CLARITY



LEGEND

- PROPOSED
- HIGH VOLTAGE
- FENCE

Jacobs

95 Bothwell St, Glasgow, G2 7HX
Tel: +44 (0)141 243 8000 Fax: +44(0)141 226 3109
www.jacobs.com

sse
Energy Solutions

Client

Project

IMPERIAL PARK
132 KV GIS SUBSTATION

Drawing title

132kV GIS Building
Lower Ground and Upper Ground Floor Plan

Drawing status

First issue

Suitability

S2

Scale

As indicated @ A1

DO NOT SCALE

Jacobs No.

B2494900

Rev

Client No.

000006410

P01

Drawing number

B2494900-JAC-ZZ-XX-DR-C-0009

Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Appr'd
P01	15/05/2025	First issue	AB	SS	KR	SA

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