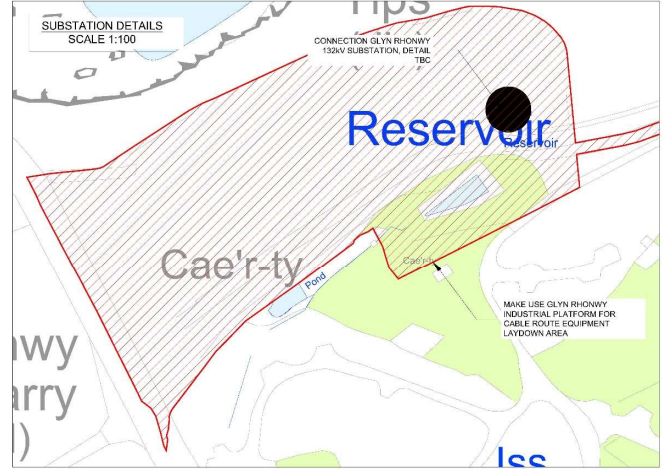
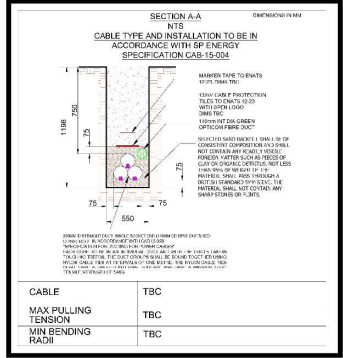
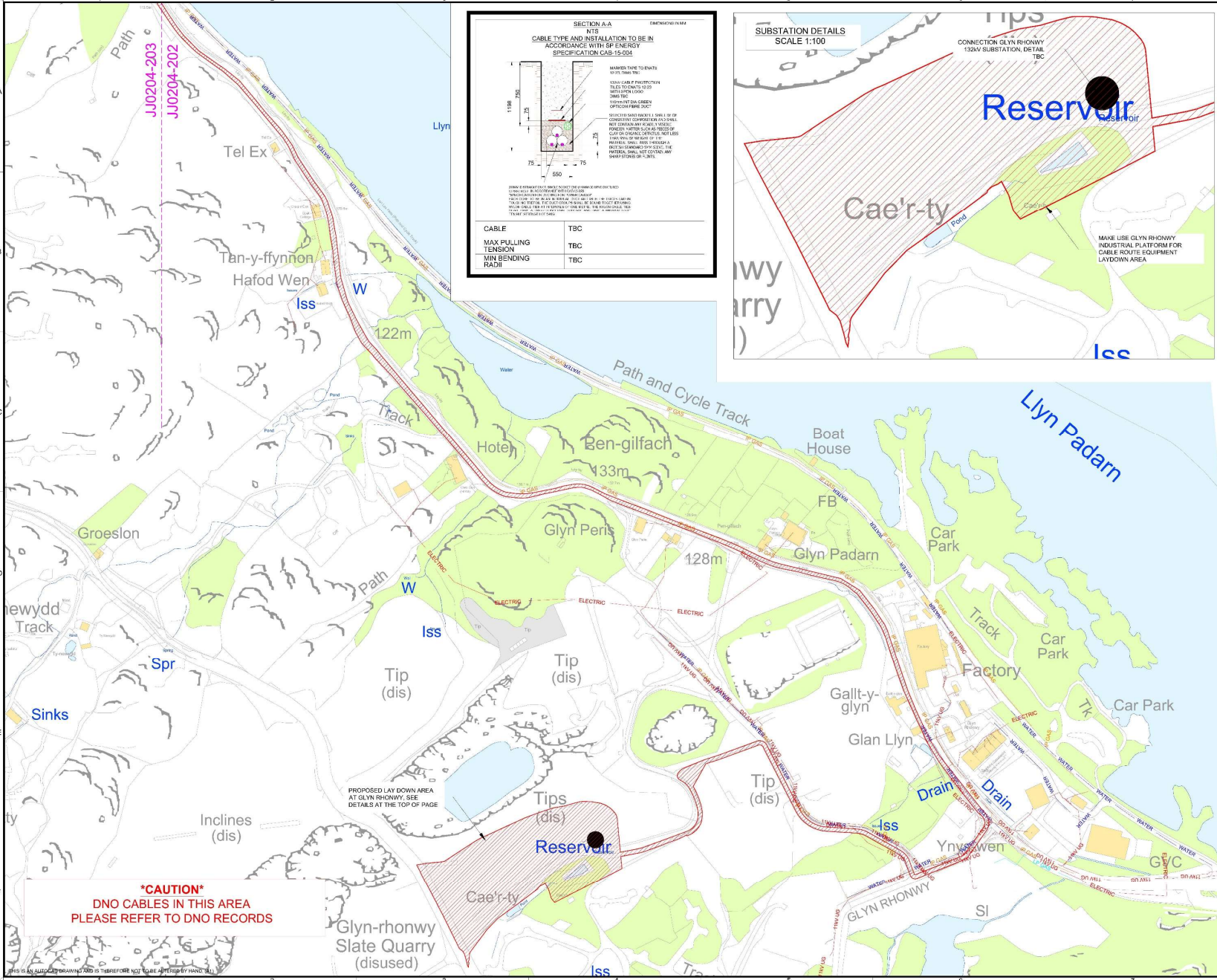


C21/0934/15/AC

Cais ar gyfer diwygio amod 1 o ganiatâd cynllunio cyfeirnod C16/0886/15/LL ar gyfer gosod llinell cyswllt grid 132KV tanddaearol rhwng safle storio pwmp Glyn Rhonwy ac Is-orsaf Pentir er mwyn ymestyn y cyfnod dechreuad y datblygiad o 2 flynedd ychwanegol

Application to amend condition 1 of planning permission reference C16/0886/15/LL for installation of underground 132KV grid connection cables between the Glyn Rhonwy Storage Facility and Pentir Substation so as to extend the development commencement period for an additional 2 years.

**Glyn Rhonwy Pumped Storage Glyn Rhonwy, Llanberis,
LL55 4EL**



DRAWING KEY

EXISTING 11kV OVERHEAD LINE	---
EXISTING 132kV OVERHEAD LINE	---
EXISTING 11kV UNDERGROUND CABLE	---
EXISTING 33kV UNDERGROUND CABLE	---
PROPOSED UNDERGROUND 11kV CABLE	---
PROPOSED UNDERGROUND 33kV CABLE	---
96mm ONE WAYFORM LV CABLE	---
EARTH CONDUCTOR	---
WORKING ROOM FOR INSTALLATION	---
BOUNDARY LINE	---
ACCESS ROUTE TO DNO SIS	---
CABLE FARMMENT	---
ELECTRICITY CABLE DUST	---
11 kV POLE POSITION	---
33 kV POLE POSITION	---
EXISTING WATER MAIN	---
EXISTING GAS MAIN	---
EXISTING TELECOM	---
EXISTING RAILWAY LINE	---

NOTES:

- CABLE ROUTE IS SHOWN IN VERGE WHERE POSSIBLE HOWEVER, IF ON-SITE CONDITIONS DICTATE THAT IS NOT POSSIBLE FOR PRACTICAL OR LEGAL REASONS, THE CABLE CAN BE MOVED INTO THE ROAD



REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR TENDER	22/04/16	MS	TD
2	INDUSTRIAL PLATFORM ACROSS RESERVOIR CLEARANCE	22/04/16	MS	TD
3	REVISED	22/04/16	MS	TD



GREEN FROG CONNECT LTD, UNIT 17 THE COURTYARD, GORSEY LANE, COLESHILL, BIRMINGHAM B96 1JA, TEL: 01875 437777

ALL DIMENSIONS TO BE CHECKED ON-SITE. WORK TO FIGURED DIMENSIONS ONLY. REPORT DISCREPANCIES TO SPEC AT ONCE BEFORE PROCEEDING.

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PROJECT: GLYN RHONWY

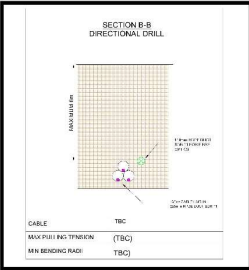
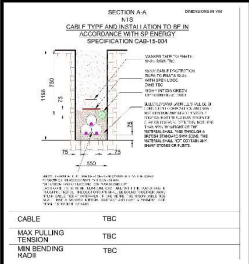
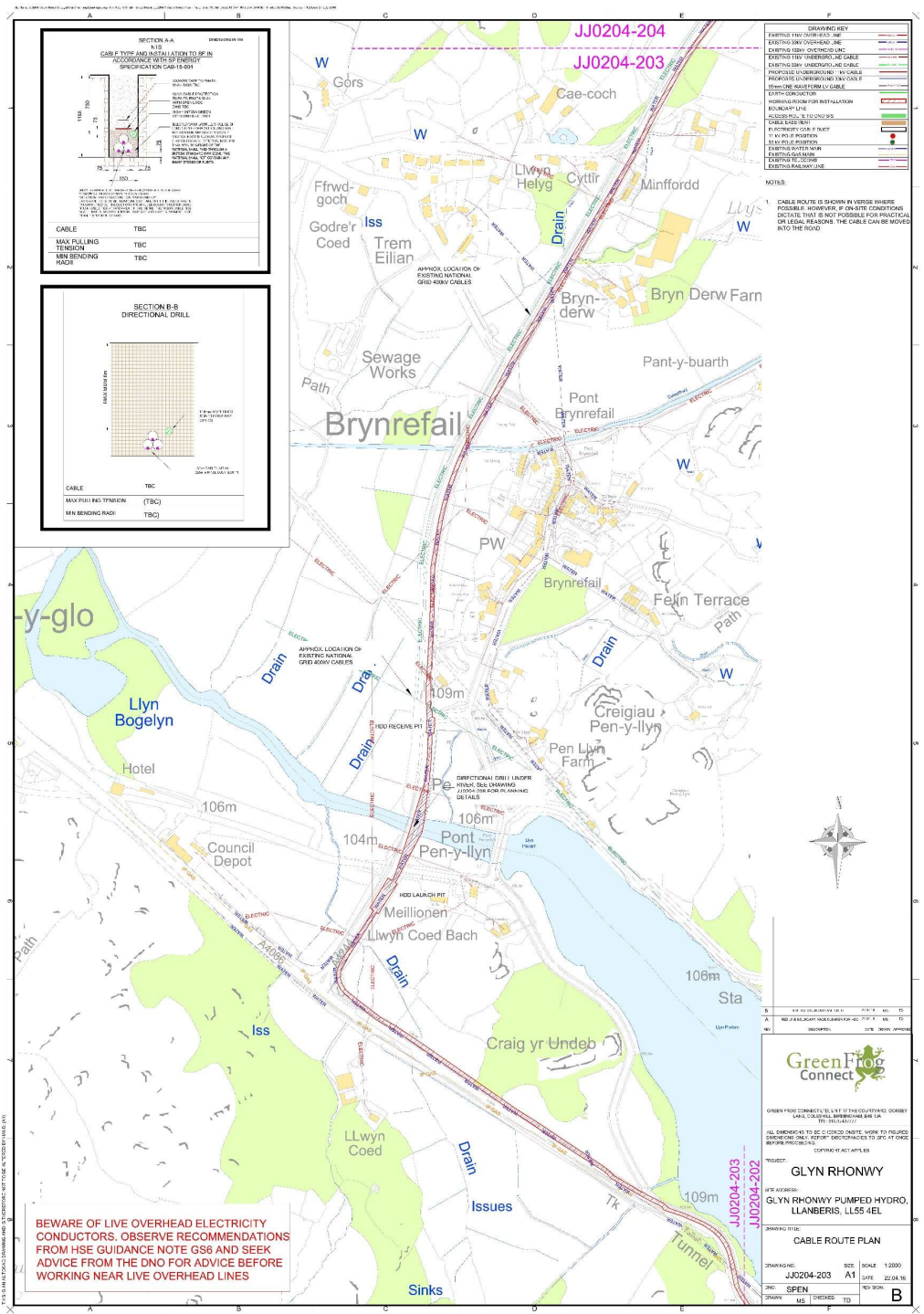
SITE ADDRESS: GLYN RHONWY PUMPED HYDRO, LLANBERIS, LL55 4EL

DRAWING TITLE: CABLE ROUTE PLAN

DRAWING NO:	JJ0204-202	SIZE:	A1	SCALE:	1:2000
DNO:	SPEN	DATE:	22.04.16	REVISION:	
DRAWN:	MS	CHECKED:	TD		

CAUTION
 DNO CABLES IN THIS AREA
 PLEASE REFER TO DNO RECORDS

PROPOSED LAY DOWN AREA
 AT GLYN RHONWY. SEE
 DETAILS AT THE TOP OF PAGE



DRAWING KEY

- EXISTING 15KV OVERHEAD LINE
- EXISTING 11KV OVERHEAD LINE
- EXISTING 11KV UNDERGROUND CABLE
- EXISTING 3KV UNDERGROUND CABLE
- PROPOSED UNDERGROUND 15KV CABLE
- PROPOSED UNDERGROUND 11KV CABLE
- PROPOSED UNDERGROUND 3KV CABLE
- PROPOSED 15KV TUNNEL

EXISTING CONDUITS

- HORIZONTAL FOR INSTALLATION
- VERTICAL
- ACCESSIBLE TO UNDOORS
- CABLE DEPTH
- IN FUTURE CONCRETE
- IN FUTURE CONCRETE
- EXISTING 15KV
- EXISTING 11KV
- EXISTING 3KV
- EXISTING MAINWAY LINE

NOTES

- CABLE ROUTE IS SHOWN IN VERDE WHERE POSSIBLE. HOWEVER, IF SITE CONDITIONS DICTATE THAT IS NOT POSSIBLE FOR PRACTICAL OR LEGAL REASONS, THE CABLE CAN BE MOVED INTO THE ROAD.

BWARE OF LIVE OVERHEAD ELECTRICITY CONDUCTORS. OBSERVE RECOMMENDATIONS FROM HSE GUIDANCE NOTE GS6 AND SEEK ADVICE FROM THE DNO FOR ADVICE BEFORE WORKING NEAR LIVE OVERHEAD LINES

Green Frog Connect

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PROJECT: GLYN RHONWY

DATE: 22.04.16

CLIENT: GLYN RHONWY PUMPED HYDRO, LLANBERIS, LL55 4EL

DRAWING TITLE: CABLE ROUTE PLAN

DRAWING NO: JJ0204-203

SCALE: 1:2000

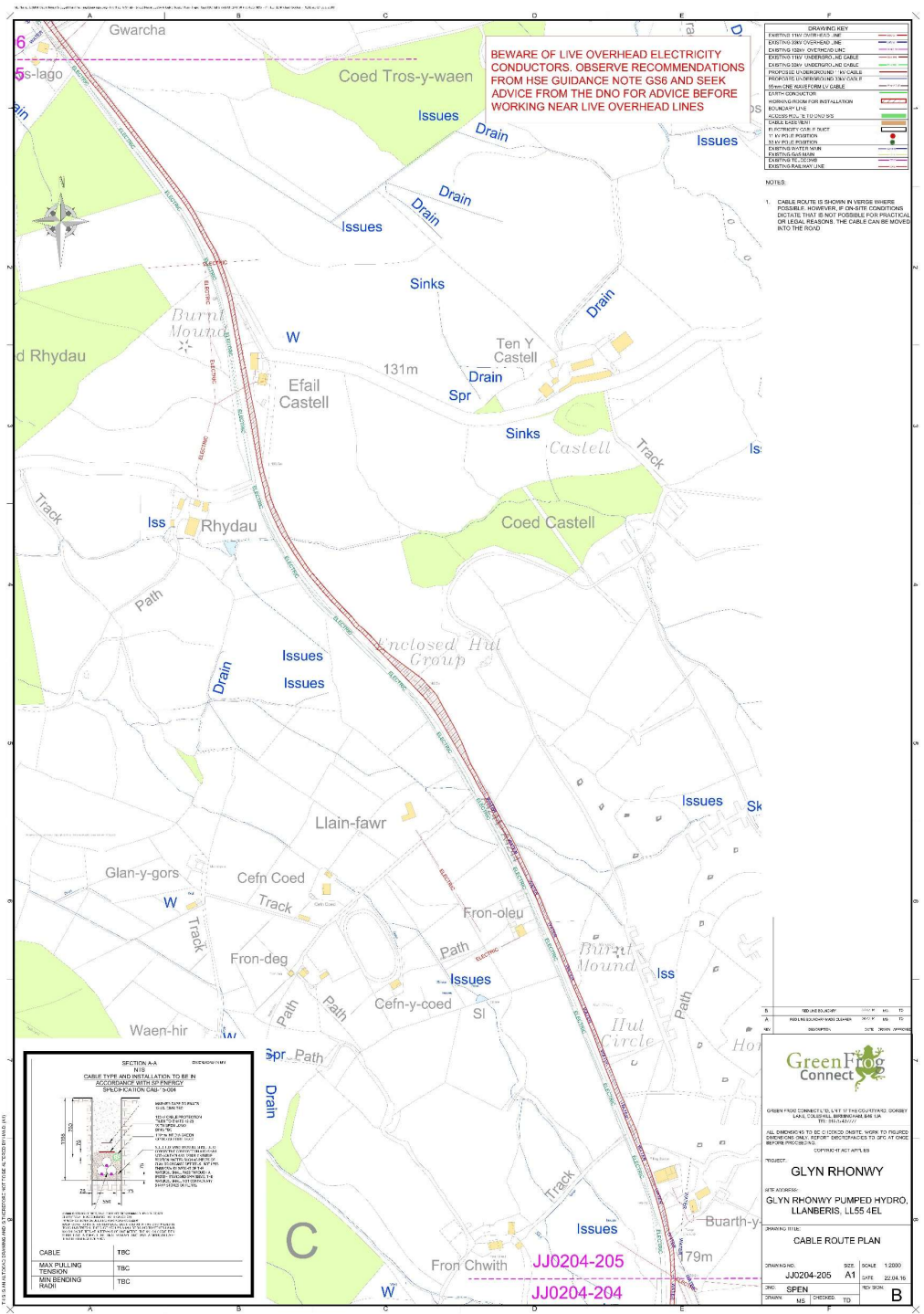
DATE: 22.04.16

DESIGNED BY: SPEN

CHECKED BY: MS

DATE: TD

REVISION: B



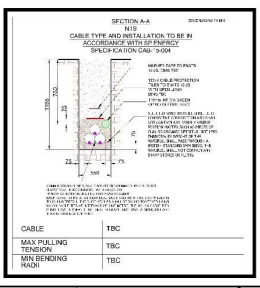
BEWARE OF LIVE OVERHEAD ELECTRICITY CONDUCTORS. OBSERVE RECOMMENDATIONS FROM HSE GUIDANCE NOTE G58 AND SEEK ADVICE FROM THE DNO FOR ADVICE BEFORE WORKING NEAR LIVE OVERHEAD LINES

DRAWING KEY

EXISTING 11KV OVERHEAD LINE	---
EXISTING 33KV OVERHEAD LINE	---
EXISTING 11KV UNDERGROUND CABLE	---
EXISTING 33KV UNDERGROUND CABLE	---
PROPOSED UNDERGROUND 11KV CABLE	---
PROPOSED UNDERGROUND 33KV CABLE	---
PROPOSED 11KV AIR CABLE	---
PROPOSED 33KV AIR CABLE	---
EXISTING CONDUIT	---
PROPOSED CONDUIT	---
PROPOSED ROUTE FOR INSTALLATION	---
PROPOSED 11KV UNDERGROUND CABLE	---
PROPOSED 33KV UNDERGROUND CABLE	---
PROPOSED 11KV AIR CABLE	---
PROPOSED 33KV AIR CABLE	---
PROPOSED 11KV AIR CABLE	---
PROPOSED 33KV AIR CABLE	---
PROPOSED 11KV AIR CABLE	---
PROPOSED 33KV AIR CABLE	---

NOTES

- CABLE ROUTE IS SHOWN IN VERDE WHERE POSSIBLE. HOWEVER, IF SITE CONDITIONS DICTATE THAT IT IS NOT POSSIBLE FOR PRACTICAL OR LEGAL REASONS, THE CABLE CAN BE BORED INTO THE ROAD.



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ALL DRAWINGS TO BE CHECKED AND WORK TO BE COMPLETED BEFORE PROCEEDING TO CONTRACT.

PROJECT:
GLYN RHONWY

DATE AWARDED:
GLYN RHONWY PUMPED HYDRO, LLANBERIS, LL55 4EL

DRAWING TITLE:
CABLE ROUTE PLAN

DRAWING NO:
JJ0204-205

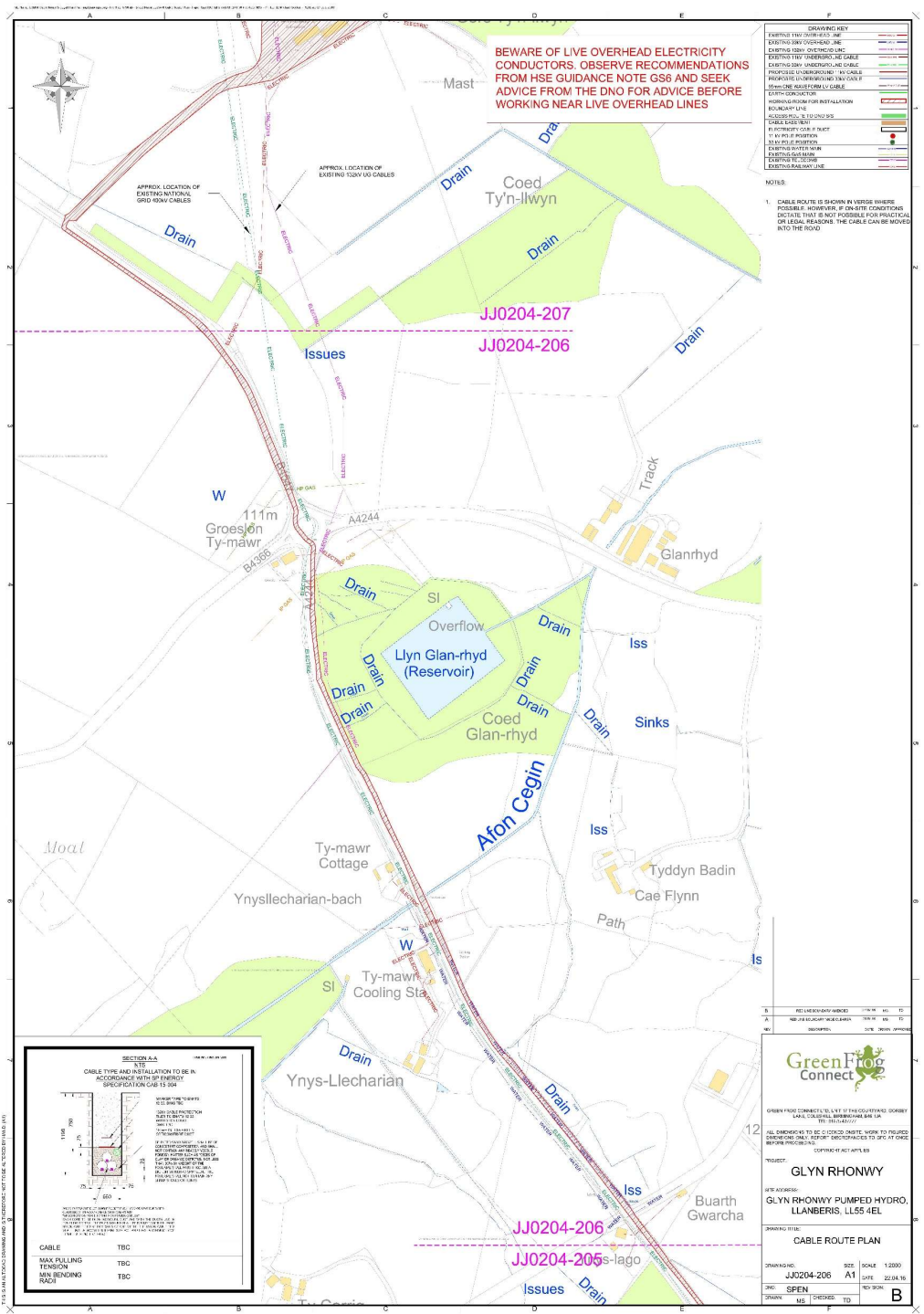
DATE:
22.04.16

SCALE:
A1 1:2000

DESIGNED BY:
SPEN

CHECKED BY:
MS

DATE:
TBC



BEWARE OF LIVE OVERHEAD ELECTRICITY CONDUCTORS. OBSERVE RECOMMENDATIONS FROM HSE GUIDANCE NOTE G56 AND SEEK ADVICE FROM THE DNO FOR ADVICE BEFORE WORKING NEAR LIVE OVERHEAD LINES

DRAWING KEY

- EXISTING 11KV OVERHEAD LINE
- EXISTING 22KV OVERHEAD LINE
- EXISTING 11KV OVERHEAD CABLE
- EXISTING 22KV OVERHEAD CABLE
- PROPOSED UNDERGROUND 11KV CABLE
- PROPOSED UNDERGROUND 22KV CABLE
- EXISTING UNDERGROUND CABLE
- PROPOSED UNDERGROUND CABLE
- EXISTING OVERHEAD LINE
- PROPOSED OVERHEAD LINE
- EXISTING OVERHEAD CABLE
- PROPOSED OVERHEAD CABLE

NOTES

- CABLE ROUTE IS SHOWN IN VERGE WHERE POSSIBLE. HOWEVER, IF SITE CONDITIONS DICTATE THAT IS NOT POSSIBLE FOR PRACTICAL OR LEGAL REASONS THE CABLE CAN BE BORED INTO THE ROAD

SECTION AA

CABLE TYPE AND INSTALLATION TO BE IN ACCORDANCE WITH SP R46010 SPECIFICATION CABLE IS 304

MINIMUM COVER TO TOP OF CABLE

MINIMUM COVER TO BOTTOM OF CABLE

MINIMUM COVER TO TOP OF CONCRETE

MINIMUM COVER TO BOTTOM OF CONCRETE

CABLE	TBC
MAX PULLING TENSION	TBC
MIN BENDING RADIUS	TBC

GreenFlag Connect

GREEN FLAG CONNECT IS A DIVISION OF THE COMPANY'S ENERGY DIVISION. ALL CONTRACTS ARE SUBJECT TO THE COMPANY'S STANDARD TERMS AND CONDITIONS. ALL WORK IS TO BE COMPLETED WITHIN THE AGREED TIME FRAME. WORK TO BE COMPLETED MUST BE COMPLETED TO THE SATISFACTION OF THE COMPANY'S ENERGY DIVISION.

PROJECT:
GLYN RHONWY

DATE:
22/04/24

CLIENT:
GLYN RHONWY PUMPED HYDRO, LLANBERIS, LL55 4EL

DRAWING TITLE:
CABLE ROUTE PLAN

DRAWING NO:
JJ0204-206

SCALE:
A1

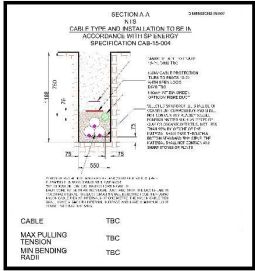
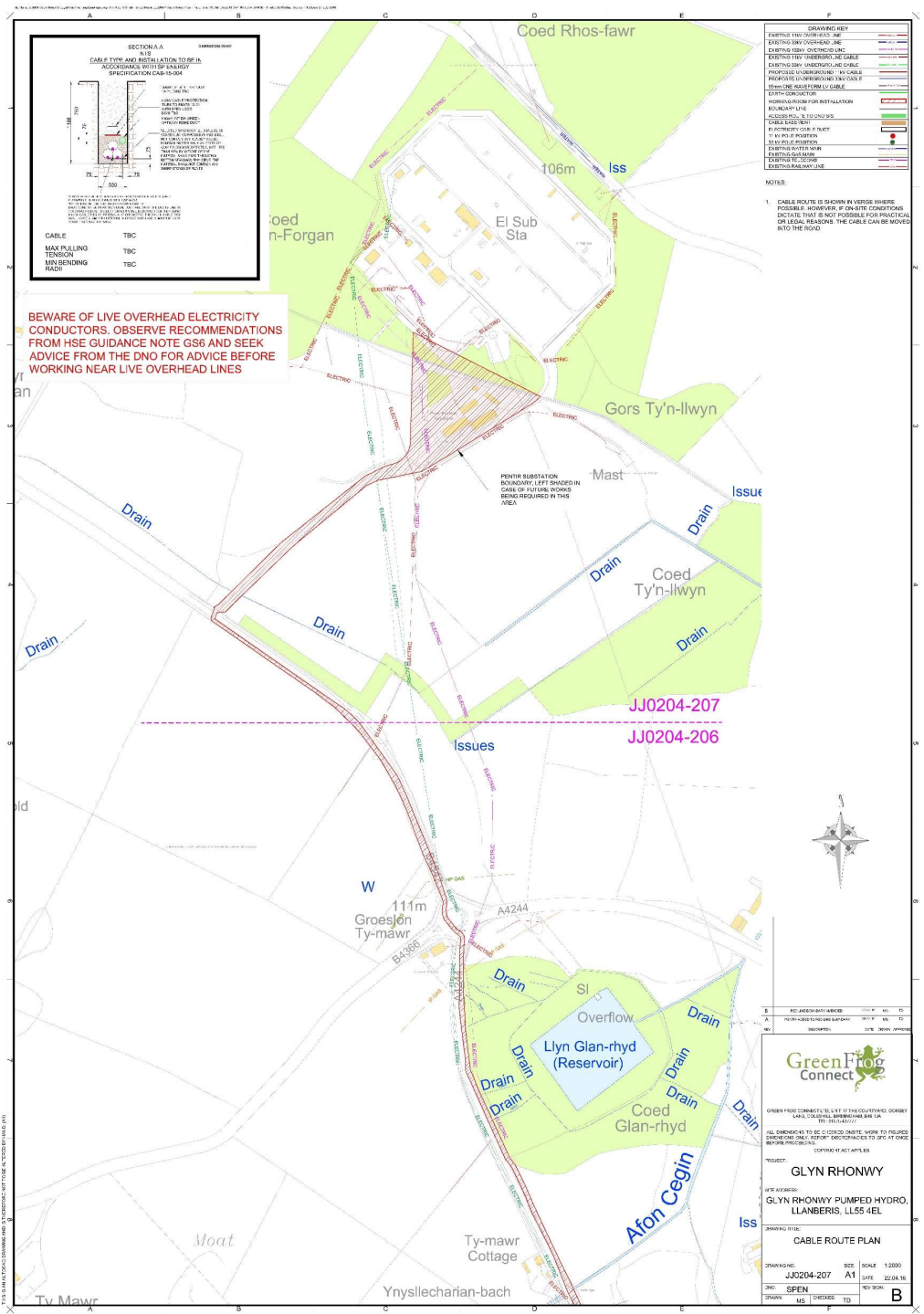
DATE:
22/04/24

DESIGNED BY:
SPEN

CHECKED BY:
MS

DATE:
22/04/24

STATUS:
B



BEWARE OF LIVE OVERHEAD ELECTRICITY CONDUCTORS. OBSERVE RECOMMENDATIONS FROM HSE GUIDANCE NOTE GS6 AND SEEK ADVICE FROM THE DNO FOR ADVICE BEFORE WORKING NEAR LIVE OVERHEAD LINES

DRAWING KEY

EXISTING 11KV OVERHEAD LINE	---
EXISTING 33KV OVERHEAD LINE	---
EXISTING 11KV UNDERGROUND CABLE	---
EXISTING 33KV UNDERGROUND CABLE	---
PROPOSED UNDERGROUND 11KV CABLE	---
PROPOSED UNDERGROUND 33KV CABLE	---
STAINCONE SOLUTION FOR CABLE	---
EXISTING CONDUITS	---
HORIZONTAL ROOM FOR INSTALLATION	---
POLEARY LINE	---
PROPOSED 11KV UNDERGDS	---
CABLE DUCT BOX	---
11KV POTENTIAL CABLE RISE	---
11KV POTENTIAL	---
EXISTING 11KV MAST	---
EXISTING 33KV MAST	---
EXISTING 11KV TOWER	---
EXISTING 33KV TOWER	---
EXISTING TELEPHONE	---
EXISTING FIBRE OPTIC	---
EXISTING HIGHWAY LINE	---

NOTES

1. CABLE ROUTE IS SHOWN IN VERDE WHERE POSSIBLE. HOWEVER, IF SITE CONDITIONS DICTATE THAT IS NOT POSSIBLE FOR PRACTICAL OR LEGAL REASONS, THE CABLE CAN BE BORED INTO THE ROAD

Green Frog Connect

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PROJECT: GLYN RHONWY

DATE: 22/04/16

DATE: 22/04/16

GLYN RHONWY PUMPED HYDRO, LLANBERIS, LL55 4EL

CABLE ROUTE PLAN

DRAWING NO:	JJ0204-207	SIZE:	A1	SCALE:	1:2000
DATE:	22/04/16	REVISED:			
DRAWN BY:	SPEN	CHECKED BY:			
DATE:		DATE:			

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