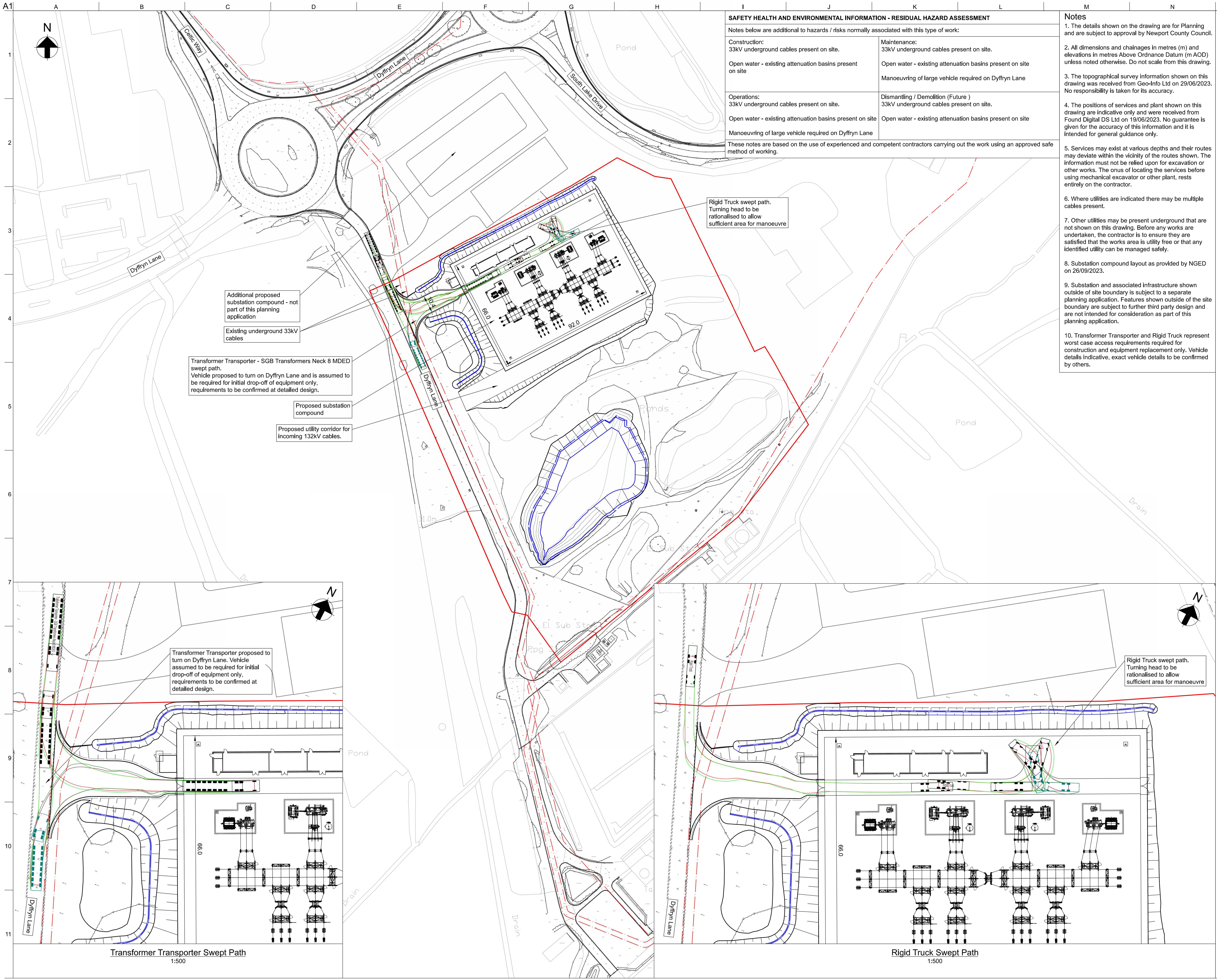


Additional proposed substation compound - not part of this planning application

Existing underground 33kV cables

Transformer Transporter - SGB Transformers Neck 8 MDED swept path.
Vehicle proposed to turn on Dyffryn Lane and is assumed to be required for initial drop-off of equipment only, requirements to be confirmed at detailed design.

Proposed substation compound

Proposed utility corridor for incoming 132kV cables.

Rigid Truck swept path.
Turning head to be rationalised to allow sufficient area for manoeuvre

Transformer Transporter proposed to turn on Dyffryn Lane. Vehicle assumed to be required for initial drop-off of equipment only, requirements to be confirmed at detailed design.

Transformer Transporter Swept Path
1:500

Rigid Truck swept path.
Turning head to be rationalised to allow sufficient area for manoeuvre

Rigid Truck Swept Path
1:500

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION - RESIDUAL HAZARD ASSESSMENT

Notes below are additional to hazards / risks normally associated with this type of work:

Construction: 33kV underground cables present on site. Open water - existing attenuation basins present on site	Maintenance: 33kV underground cables present on site. Open water - existing attenuation basins present on site Manoeuvring of large vehicle required on Dyffryn Lane
Operations: 33kV underground cables present on site. Open water - existing attenuation basins present on site Manoeuvring of large vehicle required on Dyffryn Lane	Dismantling / Demolition (Future) 33kV underground cables present on site. Open water - existing attenuation basins present on site

These notes are based on the use of experienced and competent contractors carrying out the work using an approved safe method of working.

Notes

1. The details shown on the drawing are for Planning and are subject to approval by Newport County Council.

2. All dimensions and chainages in metres (m) and elevations in metres Above Ordnance Datum (m AOD) unless noted otherwise. Do not scale from this drawing.

3. The topographical survey information shown on this drawing was received from Geo-Info Ltd on 29/06/2023. No responsibility is taken for its accuracy.

4. The positions of services and plant shown on this drawing are indicative only and were received from Found Digital DS Ltd on 19/06/2023. No guarantee is given for the accuracy of this information and it is intended for general guidance only.

5. Services may exist at various depths and their routes may deviate within the vicinity of the routes shown. The information must not be relied upon for excavation or other works. The onus of locating the services before using mechanical excavator or other plant, rests entirely on the contractor.

6. Where utilities are indicated there may be multiple cables present.

7. Other utilities may be present underground that are not shown on this drawing. Before any works are undertaken, the contractor is to ensure they are satisfied that the works area is utility free or that any identified utility can be managed safely.

8. Substation compound layout as provided by NGED on 26/09/2023.

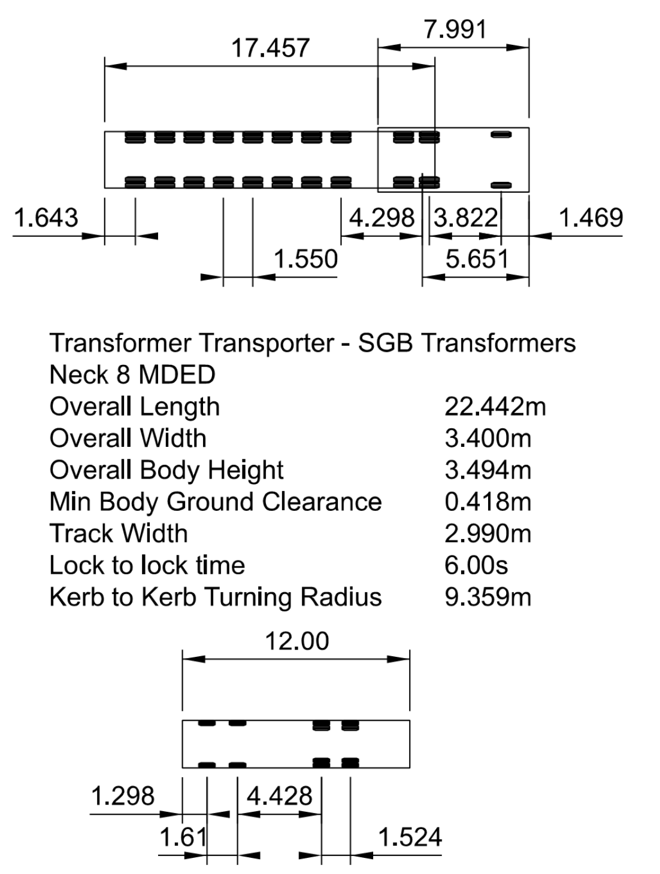
9. Substation and associated infrastructure shown outside of site boundary is subject to a separate planning application. Features shown outside of the site boundary are subject to further third party design and are not intended for consideration as part of this planning application.

10. Transformer Transporter and Rigid Truck represent worst case access requirements required for construction and equipment replacement only. Vehicle details indicative, exact vehicle details to be confirmed by others.

Legend

🟥	Planning Application Boundary
— · —	Existing 33kV Cables
—	Vehicle Swept Path Tyre Envelope
—	Vehicle Swept Path Body Envelope

Vehicle Legends



Transformer Transporter - SGB Transformers Neck 8 MDED

Overall Length	22.442m
Overall Width	3.400m
Overall Body Height	3.494m
Min Body Ground Clearance	0.418m
Track Width	2.990m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	9.359m

Rigid Truck

Overall Length	12.000m
Overall Width	2.500m
Overall Body Height	3.928m
Min Body Ground Clearance	0.412m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.900m

Issue	Date	By	Chkd	Appd
P04	09/06/25	CB	CL	DL
	Issued for Section 73 Approval			
P03	27/09/23	RL	JN	DL
	Issued for Planning			
P02	26/07/23	RL	JN	DL
	Re-issued for PAC			
P01	19/07/23	RL	JN	DL
	Issued for PAC			

ARUP

4 Pierhead St, Capital Waterside
Cardiff, CF10 4QP
T +44(0)29 20473727 F +44(0)29 20472277
www.arup.com

Client
Welsh Government

Job Title
Celtic Lakes

Drawing Title
Swept Path Analysis

Scale at A1 1:1000
Discipline Civils
Drawing Status

Job No	Drawing No	Issue
293651	CG1020	P04

Do not scale

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