N

Outfall (279111,319619)
T6 T5 T4 T3 T2 T1
Transformer (279192,319619)
Power House (279200,319608)
Girder bridge (279205,319597)
PEG_650
222.912mAOD
PEG_600
227.325mAOD
PEG_550
233.696mAOD
PEG_500
239.442mAOD
PEG_450
243.307mAOD
PEG_400
247.367mAOD
PEG_350
248.42mAOD
Girder bridge (279338,319253)
PEG_300
247.845mAOD
PEG_250
250.406mAOD
PEG_200
255.096mAOD
PEG_150
260.23mAOD
PEG_100
266.382mAOD
PEG0
285.192mAOD
Girder bridge (279404,318929)
Intake (279433,318557)

New Road
Path (um)
Drain
Drain
Drain
Pont Helygog
Track
Track
Drains
Drains
Ty Newydd Uchaf
Farmstead
Nant Helygog
Drain
Path (um)
Ford
arthwork

Key:

- *Intake (weir with coanda screen)*
- *Outfall (masonry headwall structure)*
- *Power House (turbine, import/export meter & DNO's fuses)*
- *Proposed pole mounted transformer (100kVA split phase)*
- *Girder bridge for penstock*
- *Penstock (buried HDPE pipe, 280mm diameter, black)*
- *Penstock (overground HDPE pipe, 280mm diameter, black)*
- *Tailrace (buried HDPE pipe, 6m of 450mm diameter, 83m of 300mm diameter)*
- *Proposed LV cable (buried, owned by the DNO)*
- *Proposed HV cable - (overhead, owned by the DNO)*
- *Construction routes (access to the intake wil be via the penstock's route)*
- *Existing overhead HV lines (Single Phase)*
- *Existing overhead HV lines (Three Phase)*
- *Material storage area*
- *Land ownership boundary*
- *Site area (pipes & cables = 0.46hectares, structures = 0.06hectares, total = 0.52hectares)*

0 50 100 m

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Client: Mark Sealy
Installation Address: Brithdir Forest, Brithdir, Dolgellau, LL40 2SA
Drawing Title: Hydropower scheme's site layout
Drawn By: LMB
Date: 11th March 2023
Scale @ A1: 1:1,750
Dwg No: 220730LB01
Version: 4 (Outfall moved)

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