N

Transformer (279192,319619)
Power House (279200,319608)
Outfall (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
PEG_300
247.845mAOD
PEG_250
250.406mAOD
PEG_200
255.096mAOD
PEG_150
260.23mAOD
PEG_100
266.382mAOD
PEG0
285.192mAOD
Intake (279432,318555)

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

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)
- Penstock (buried HDPE pipe, 280mm diameter, black)
- Penstock (overground HDPE pipe, 280mm diameter, black)
- Tailrace (buried HDPE pipe, 450mm 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

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: 17th September 2022
Scale @ A1: 1:1,750
Dwg No: 220730LB01
Version: 3 (Overground sections of penstock added)

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