



Key:

Hydropower Structures:

- Import/export meter & DNO's fuses
- Intake (weir)
- Outfall (masonry headwall structure)
- Power House (Turbine)
- Transformer (existing 100kVA, split phase, pole mounted transformer)
- Girder bridge for cable

Hydropower Pipes & Cables:

- Buried Penstock (355mm diameter, HDPE pipe)
- Overground Penstock (355mm diameter, HDPE pipe)
- Tailrace (buried, 600mm diameter, HDPE pipe)
- Proposed LV cable (buried, owned by the hydropower owner)
- Existing LV cable (buried, owned by the DNO)
- Proposed stone access track (permanent)
- Existing stone track
- Existing HV single phase overhead cables (owned by DNO)

Other Features:

- Landownership boundary
- Material storage areas
- Site area (pipes & cables = 0.46hectares, structures = 0.14hectares, total = 0.6hectares)



(c) Crown copyright 2023 OS 100055095

Client: Dylan Jones
Installation Address: Tŷ Mawr, Mallwyd, Machynlleth, SY20 9HS
Drawing Title: Site layout for hydropower scheme
Drawn By: LMS
Date: 18th March 2023
Scale @ A1: 1:1,500
Dwg No: 230209LB01
Version: 2 (access track to power house adjusted to avoid tree roots)