



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

CONSTRUCTION

- ⚠ Dam crest edges are unprotected from falls
- ⚠ Working near water
- ⚠ Falls from height
- ⚠ Works subject to construction flood plan
- ⚠ Methodology for protecting dam during construction to be agreed with QCE

MAINTENANCE / CLEANING / OPERATION

DECOMMISSIONING / DEMOLITION

REFER TO THE DESIGNERS RISK REGISTER FOR FURTHER DETAILS. IT IS ASSUMED THAT ALL THE WORKS ON THIS DRAWING WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WHO HAS CARRIED OUT A COMPREHENSIVE RISK ASSESSMENT.

- A1**
- Nodiadau / Notes
- This drawing is to be read in conjunction with all other drawings, specifications and contract documents. Notify the Project Manager of any discrepancies.
 - All dimensions are in metres (m) and Levels are in metres above ordnance datum (mOD), unless noted otherwise.
 - Do not scale from drawing, use noted dimensions only.
 - Existing ground and bathymetric levels are derived from a combination of surveys. Contractor to confirm levels and report any significant disparity to the designer at the start of works.
 - Concrete grade - C40/50. Assume 100kg/m³ of reinforcement
 - A minimum of 50mm blinding concrete is to be laid below formation level, ensuring compaction in accordance with Concrete Specifications.
 - All visible concrete faces to have Exposed Aggregate finish
 - Bridge to be supplied designed to meet the following specifications:
 - Clear span of 7.8m
 - 100% FSC Approved Hardwood
 - Top of handrail 1100mm
 - Load capacity designed to EN 1991-2:2003 Section 5
 - Unobstructed internal clear width of 1200mm
 - Footpath specification: 150mm 6F1 / Sub base and 50mm thick 6mm to dust layer
 - Monitoring pins are to be installed upon final reinstatement of works. Specifications:
 - Pins shall be located 0.25m upstream of the finished footpath extents at 5m longitudinal spacing
 - Pins shall be ground anchor type with a flat head, installed flush to finished ground surface - York Survey Supply Centre pin codes 10300 or 10305 or equivalent accepted
 - Each levelling pin is to be clearly numbered; the numbering sequence is to start at the left abutment and progress to the right
 - Record of co-ordinates and finished level of pins shall be included on as-built drawings

Key:

- Replacement footpath
- Area of rip-rap
- Bridge Across Spillway
- Dry stone retaining wall
- 245.0 Contour Line (Proposed)
- 245.0 Contour Line (Existing)

Hanes Fersiwn / Version History

Rev	Date	By	Chkd	Appd
P01	22-07-2022	PDH	JF	DJS

Issued for information

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Client / Client

Cyfoeth Naturiol Cymru
Natural Resources Wales

Enw a Rhif y Proiect / NRW Project Name and Number

NGCCF-5-000015

Llyn Llywelyn Outline and Detailed Design

Proposed Spillway Plan

Graddfa yn A1 / Scale at A1

1:50

Rhan / Role

General

Addasrwyddi / Suitability	Status / Status
For Information	S2
Rhif y Proiect Arup / Arup Project Number	Adolygiad / Rev
290007	P01
Rhif y Lluaniad / Drawing Number	
290007-ARP-XX-XX-DR-CX-2001	

NOTES ABOUT STATUTORY UTILITY PROVIDERS RETURNS

- THE POSITIONS OF THE EXISTING SERVICES ON THIS DRAWING HAVE BEEN INTERPRETED FROM INFORMATION RECEIVED FROM THE STATUTORY LOCAL AUTHORITIES.
- THIS DRAWING IS DIAGRAMMATIC AND HAS BEEN PREPARED AS AN OVERVIEW TO DETERMINE THE ROUTES OF SERVICES. IT IS NOT DEFINITIVE AND THE SITE TEAM MUST REFER TO THE ORIGINAL RECORDS FOR FULL DETAILS AND TO CONFIRM THE LOCATIONS OF EXISTING SERVICES ON SITE PRIOR TO THE WORKS BEING UNDERTAKEN.
- THE SITE TEAM SHOULD ANTICIPATE ADDITIONAL SERVICES CONNECTING TO THE PROPERTIES AND / OR STREET FURNITURE SUCH AS LAMPPOSTS THAT ARE NOT GENERALLY COVERED BY THE RETURNS FROM INDIVIDUAL STATUTORY AUTHORITIES
- EXACT LOCATION OF UTILITIES SHOULD BE CONFIRMED ON SITE.

Llyn Llywelyn Reservoir

