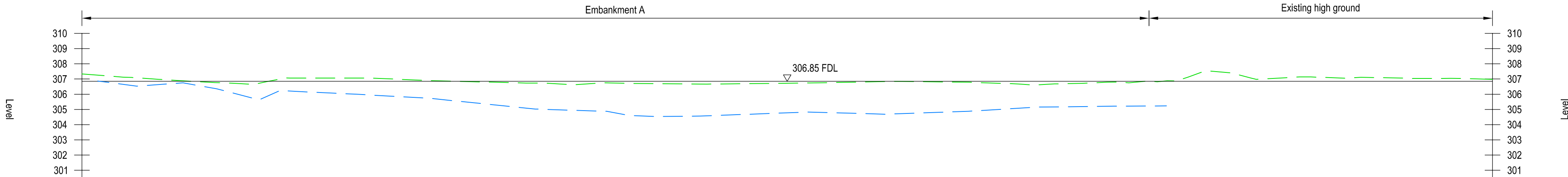


EMBANKMENTS A & B - GENERAL ARRANGEMENT PLAN

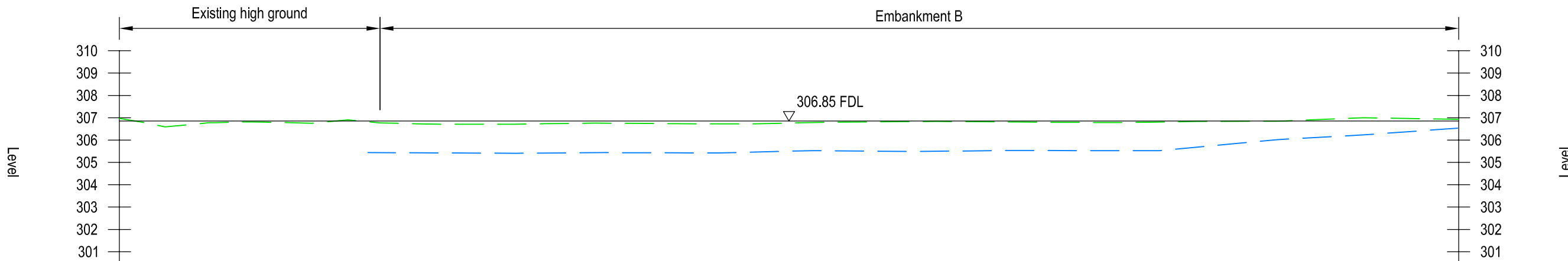
SCALE 1:200



FINISHED CREST LEVEL	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85
EXISTING CREST LEVEL	307.34	306.98	306.72	307.06	307.02	306.84	306.73	306.74	306.68	306.71	306.78	306.83	306.73	306.70	306.85	307.46	307.13	307.10	307.04	306.98
CHAINAGE	00.00	05.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	92.81

EMBANKMENT A - LONG-SECTION AA

SCALE: H 1:200,V 1:200. DATUM: 300.000



FINISHED CREST LEVEL	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85	306.85
EXISTING CREST LEVEL	306.98	306.80	306.88	306.71	306.74	306.73	306.76	306.82	306.81	306.79	306.84	306.97	306.93	306.93	306.93	306.93	306.93	306.93	306.93
CHAINAGE	00.00	05.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	59.94	59.94	59.94	59.94	59.94	59.94	59.94

EMBANKMENT B - LONG-SECTION BB

SCALE: H 1:200,V 1:200. DATUM: 300.000

Note: The limits, including the height and depths of the Works, shown in this drawing are not to be taken as limiting the obligations of the contractor under Contract.

Notes

- All dimensions in millimetres unless stated otherwise.
- All levels in metres above Ordnance Datum (m OD) unless stated otherwise.

Legend

- Existing crest
- Existing upstream toe

Safety, Health and Environmental information

In addition to the hazards or risks normally associated with the types of work detailed on this drawing, the following significant residual risks should be noted. Further details are included in the CDM Design Risk Management Register.

Construction:

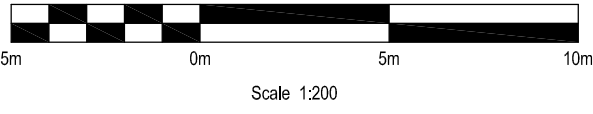
- S.1 Reservoir is a statutory reservoir under the Reservoirs Act 1975.
- S.2 Historic mine works known to be present throughout the Gwydyr Forest and around the site location.
- S.3 Uncharted services - existing third party abstraction pipework and electricity supply located within the area downstream of the north-eastern embankment (Embankment D).
- S.4 Risk of inclement weather with absent prior warning.
- S.5 Existing embankment dam fill may be unstable when disturbed.

Maintenance, cleaning and operation:

- S.2 Historic mine works known to be present throughout the Gwydyr Forest and around the site location.
- S.4 Risk of inclement weather with absent prior warning.

Decommissioning or demolition:

Risks are likely to be similar to the construction stage but should be reconsidered in advance of decommissioning, demolition, future refurbishment or replacement.



FOR PREVIOUS VERSIONS OF THIS FILE SEE 123242-BVL-Z0-00-DR-C-00010

P01	SPJ	LJM	SPC	SPC	20/01/21	For Client comment and review
Rev	Drawn	Chkd	Rwd	Apprvd	Date	Description

Designed by: Date:

Status S8 Suitable for client review, comment and or approval

Client Cyfoeth Naturiol Cymru Natural Resources Wales

Client Drawing No. Revision

Binnies UK Limited 60 High Street, Redhill, Surrey, RH11 1SR United Kingdom Tel: +44(0)1737 774155

Project PEN-Y-GWAITH RESERVOIR IMPROVEMENTS

Drawing title EMBANKMENTS A & B GENERAL ARRANGEMENT & LONG-SECTIONS

Drawing scale: 1:200 Sheet size: A1

Drawing no. 123242-BUK-ZZ-00-DR-C-00010 Revision P01