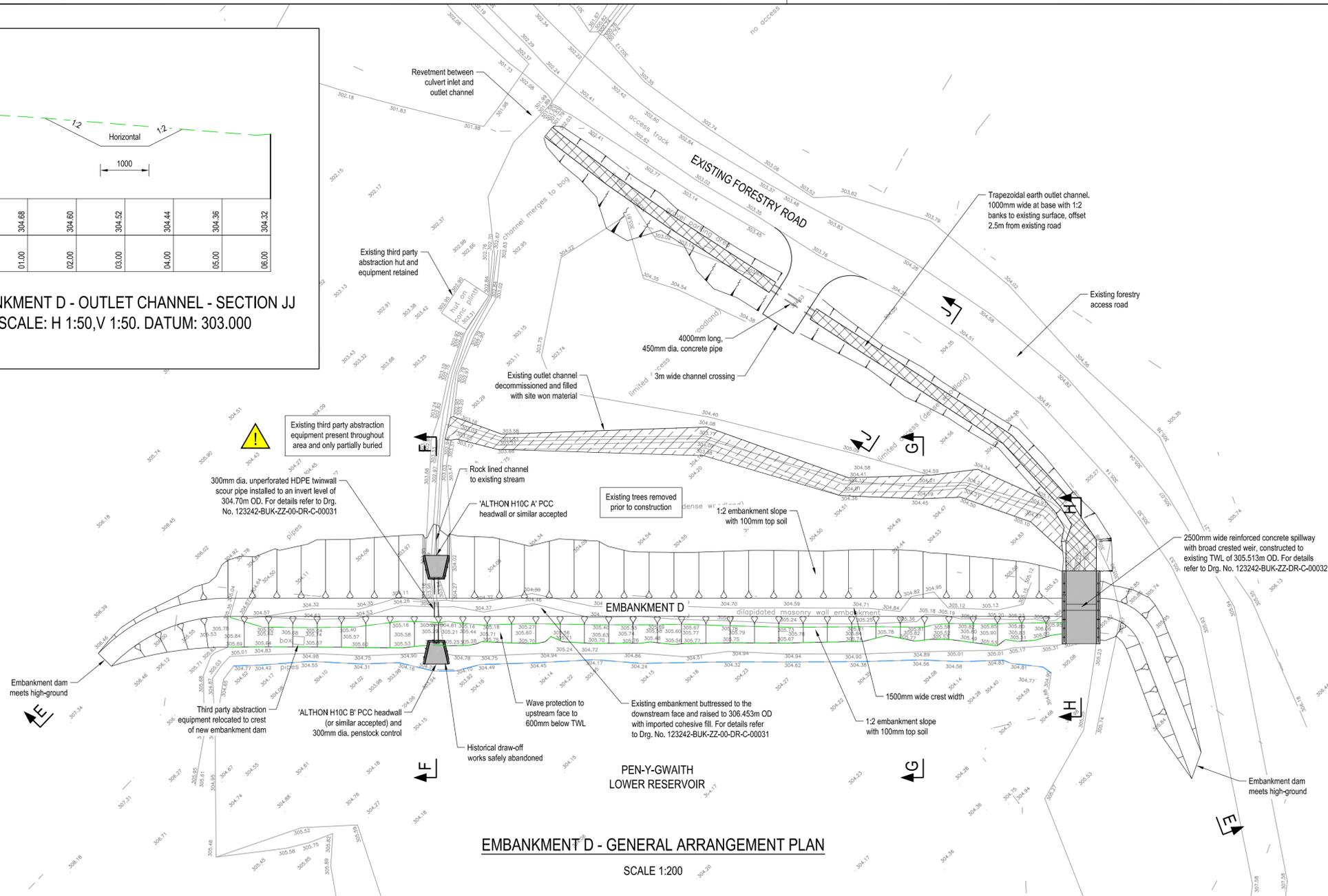
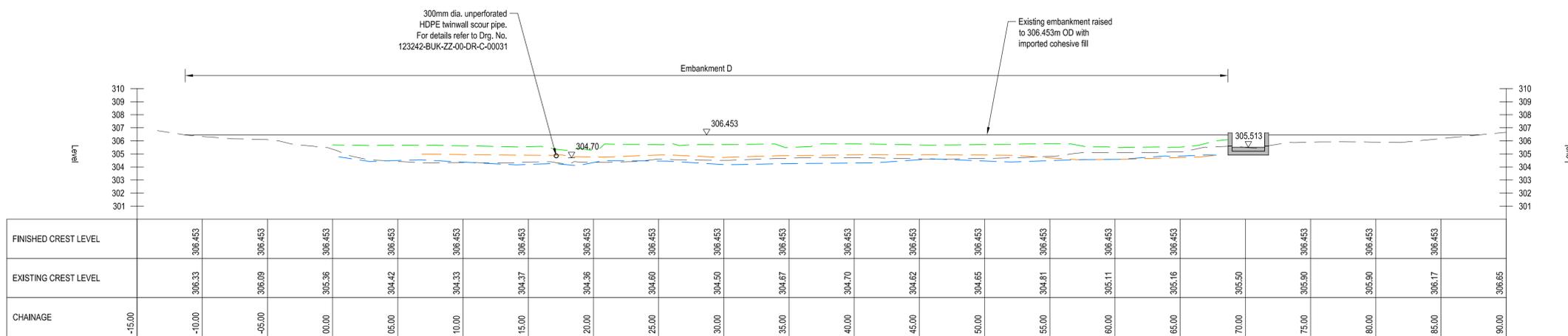


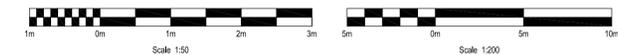
EMBANKMENT D - OUTLET CHANNEL - SECTION JJ  
SCALE: H 1:50, V 1:50. DATUM: 303.000



EMBANKMENT D - GENERAL ARRANGEMENT PLAN  
SCALE 1:200



EMBANKMENT D - LONG-SECTION EE  
SCALE: H 1:200, V 1:200. DATUM: 300.000



Notes:  
1. 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
- Existing silt
- Existing ground at section
- Concrete
- 1m wide outlet channel
- Existing outlet channel infill

References

- 123242-BUK-ZZ-00-DR-C-00031 EMBANKMENT D - SECTIONS
- 123242-BUK-ZZ-00-DR-C-00032 EMBANKMENT D - SPILLWAY - PLAN & SECTIONS

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-00030

| Rev | Drawn | Chkd | Rwd | Apprvd | Date     | Description                   |
|-----|-------|------|-----|--------|----------|-------------------------------|
| P01 | SPJ   | LJM  | SPC | SPC    | 20/01/21 | For Client comment and review |
| P02 | SPJ   | LJM  | SPC | SPC    | 18/02/21 | Outline Design                |

Designed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Status: S4 Suitable for stage approval

Client:

Client Drawing No. \_\_\_\_\_ Revision \_\_\_\_\_

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Project: **PEN-Y-GWAITH  
RESERVOIR IMPROVEMENTS**

Drawing title: **EMBANKMENT D  
GENERAL ARRANGEMENT  
& LONG-SECTION**

Drawing scale: AS SHOWN Sheet size: A1

Drawing no. 123242-BUK-ZZ-00-DR-C-00030 Revision P02