

- GENERAL NOTES**
- All dimensions are in metres unless noted otherwise.
 - All levels are in metres above Ordnance Datum Newlyn (mAOD) unless noted otherwise.
 - Do not scale from this drawing. All dimensions must be checked / verified on site.
 - Services layout obtained from the Atkins Utility Solutions service, to the PAS 128 Type D specification. It is based on records from statutory undertakers and other services providers. No responsibility is to be placed on Jacobs for ensuring the accuracy of the position and types of services. Services obtained for Manor Farm Park site and immediate surroundings only. Only sewers are included for information and clarity. Embankment horizontal and vertical geometry are indicative at this stage. Embankment maximum width is approx 50m. Full and spillway lengths are approx. 320m and 130m respectively. Maximum height above existing ground of 5.5m. Exact geometry to be confirmed at outline design stage.
 - Embankment slopes are at 1 in 4, recommended slope considering maintenance requirements and slope stability. Final slope gradient to be confirmed.
 - Embankment spillway crest at 148mAOD. Crest levels either side of spillway crest to be higher (0.8m increase proposed). Final crest levels to be confirmed at outline design stage, following hydraulic modelling assessment.
 - Embankment fill material to be reviewed at outline design stage.
 - The initial approximate flood storage volumes at Manor Farm Park, with a crest level of 148mAOD, is 112,000m³, above the existing floodplain storage. Final storage volumes to be confirmed.
 - Sewers will either need to be diverted around embankment or relaid beneath the embankment.
 - Existing footpaths will need to be diverted around the dam to minimise the risk of pedestrians eroding the grass surface of the dam and spillway, possibly with formal path(s) along/over the dam.

LEGEND

	Proposed Embankment
	Proposed Spillway with Stilling Basin
	Proposed Embankment Crest Centreline
	Proposed Embankment - 1 in 4 slope
	Existing Ground
	Existing Foul Sewer
	Existing Surface Water Sewer
	Existing Manhole
	Existing Chamber

P01	S2	For consultation	19/02/24	RB	OB	RS	DP
Rev.	Sta.	Description	Date	Originator	Checker	Reviewer	Approver
Document Control							

ARUP supported by Jacobs

Project Title
Bourn and Lower Rea OBC

Drawing Title
**Manor Farm Park
Concept Design for Consultation
General Arrangement and Indicative Section**



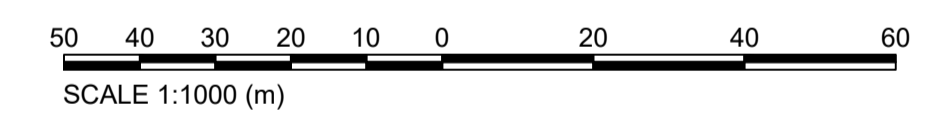
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Parent Model
ENVIMM001554-JAC-00-2MF-DR-CS-0001.dwg

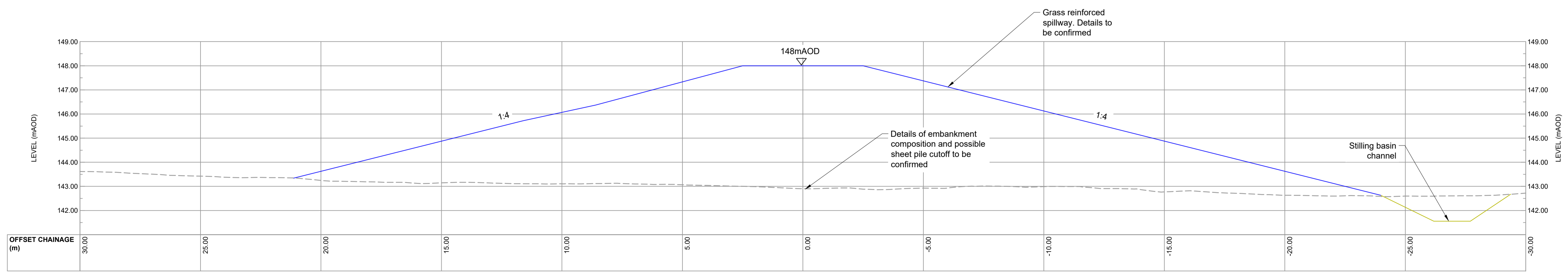
Security Classification Official	Scale AS SHOWN
Originator RB	Checker OB
Reviewer RS	Approver DP
Suitability S2 - Suitable for information	Status S2
Information Container ENVIMM001554-JAC-00-2MF-DR-CS-0001	Revision P01

A1 Sheet Size

General Arrangement
Scale 1:1000



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Cross Section A-A
Scale 1:100

