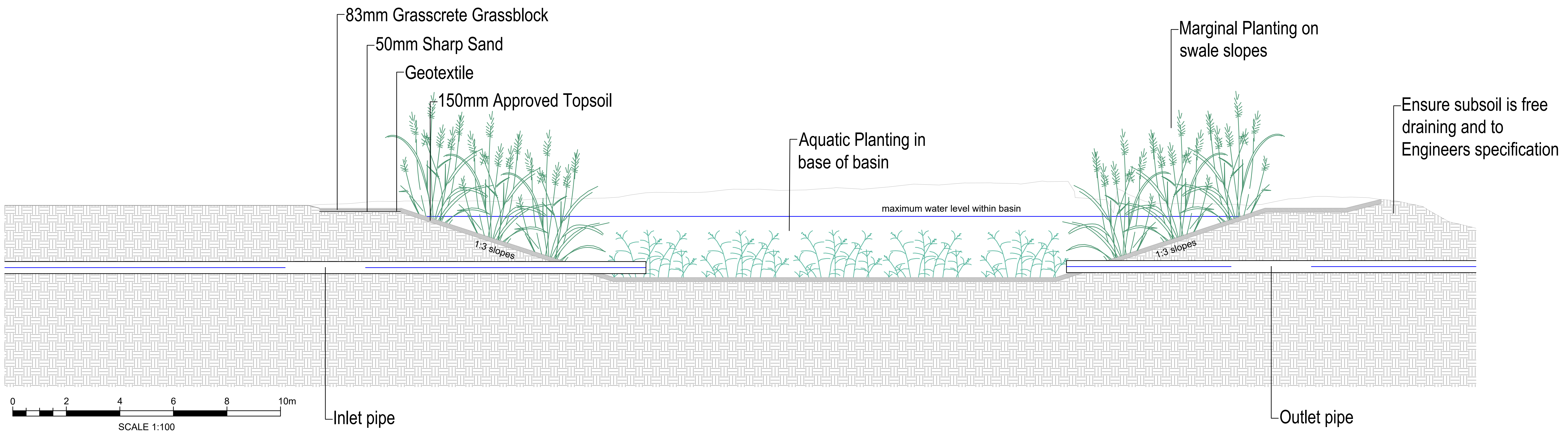
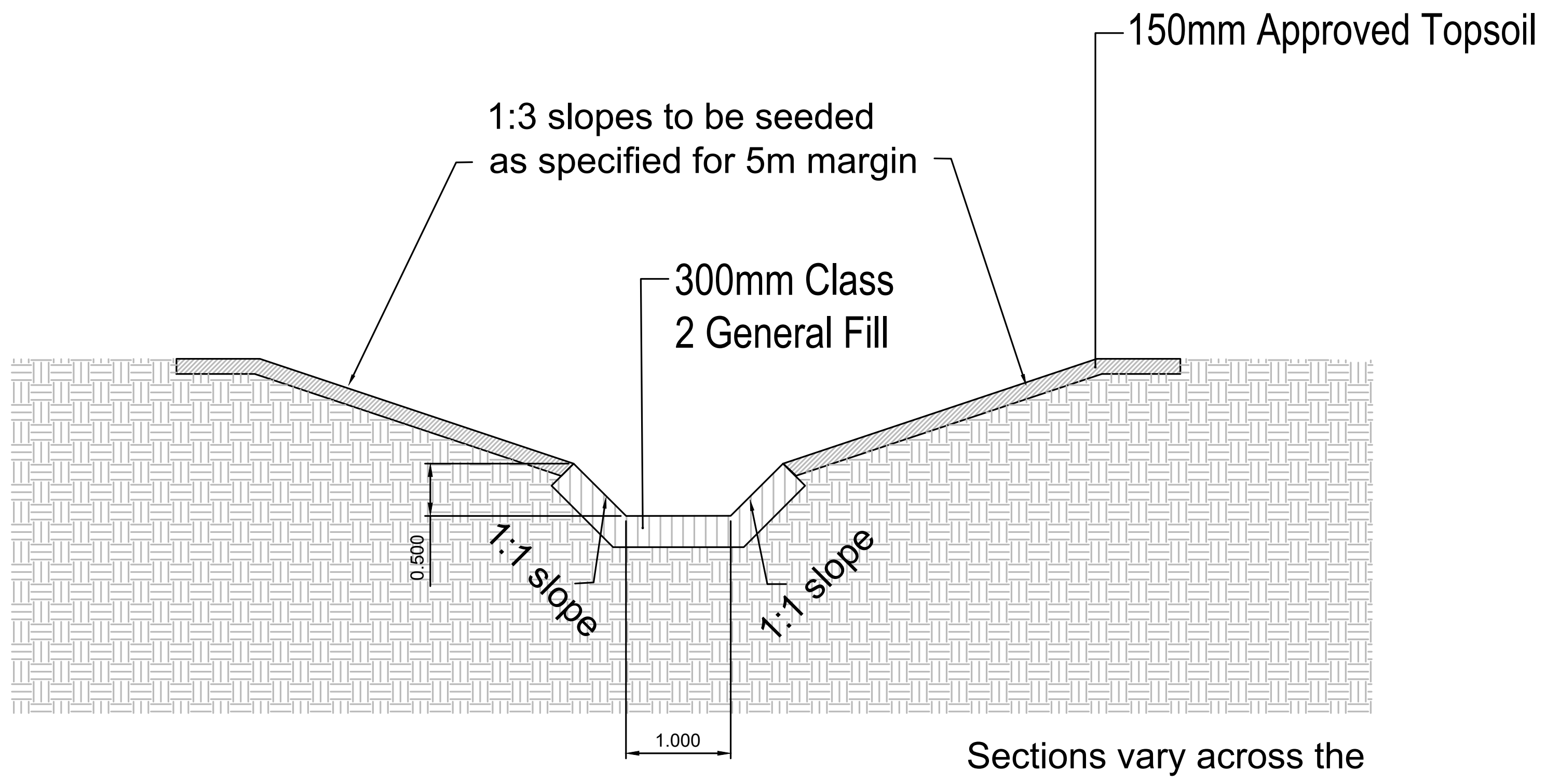
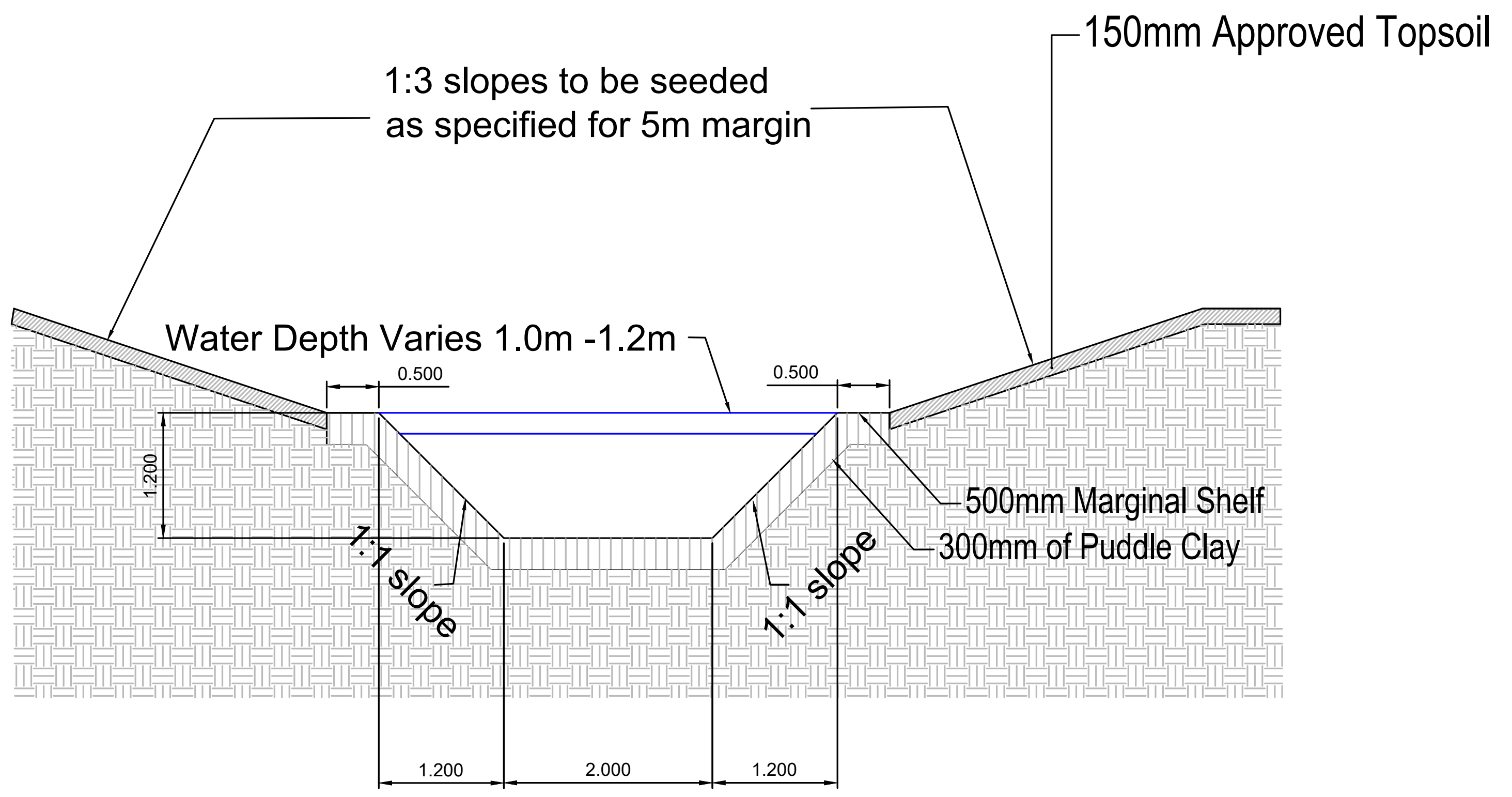
Indicative Sections


83mm Grasscrete Grassblock
50mm Sharp Sand
Geotextile
150mm Approved Topsoil
Aquatic Planting in base of basin
Marginal Planting on swale slopes
Ensure subsoil is free draining and to Engineers specification
maximum water level within basin
1:3 slopes
1:3 slopes
0
2
4
6
8
10m
SCALE 1:100
Inlet pipe
Outlet pipe


1:3 slopes to be seeded as specified for 5m margin
150mm Approved Topsoil
300mm Class 2 General Fill
0.500
1:1 slope
1:1 slope
1.000

Sections vary across the ditch reinstatement scope



Reinstated/Diverted Ditch (not to scale)

Enhanced Ditch (not to scale)

Outline Specification

General Implementation Notes

Refer to the Arboriculturalist's information for details of existing vegetation to be retained and protection measures.

Drawing to be read in conjunction with Ecologist's information and any prescriptions therein.

Vegetation removal should be undertaken outside of bird nesting season, which is March to August inclusive, unless supervised by a suitably experienced ecologist.

All work is to be undertaken in accordance with best practice, relevant British Standards and manufacturer's guidance, where applicable.

Products and materials specified are to be used or similar and approved.

All planting to be undertaken in accordance with BS4428 Code of Practice for General Landscape Operations.

Preparation, planting and mulching materials must be free from toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

Use only machinery and tools suitable for the site conditions and the work to be carried out.

Times of Year for Planting

Follow the provisions set out in the LMMP, but generally:

Deciduous trees and shrubs: Late October to late March.

Dried bulbs, corms and tubers: September/ October.

Planting is to be carried out in suitable weather. Stock shall not be planted in conditions of drought, hot sunshine, frost, frozen ground, strong wind or heavy rainfall that renders the soil waterlogged or in sticky condition. Wherever possible, planting should take place when the weather is dull and the ground is moist and workable.

All plants to be protected from wind exposure at all times.

Site Clearance

Areas to be planted shall be free from old foundations, concrete bases and other similar obstructions. All coarse rubble, stone, and artifacts greater than 75mm in diameter exposed by ripping operations shall be removed to a licensed facility.

In areas to be planted, all grass and other herbaceous vegetation shall be cut to a height of between 50 mm and 75 mm and the arisings removed.

Subsoil

Subsoil grading of the site shall leave landscape areas with smooth flowing contours to achieve the specified finished levels when topsoiled. Prior to topsoiling, subsoil formation should be ripped and loosened to a minimum depth of 450mm except for areas with Root Protection Areas as shown on the Arboriculturalist's drawings.

Topsoil

All topsoil is to be reused from within the site to preserve the existing seed bed.

Topsoil must be free from weeds and roots, clay lumps, non-soil materials, brick or other building materials, foreign matter and chemical contamination. Topsoil should be spread evenly over areas to be seeded and planted. Minimum topsoil depths after settlement shall be 300mm.

Topsoil shall be spread in layers not exceeding 150mm and firm each layer before spreading the next. At the time of laying, both material and weather should be reasonably dry. Soil levels should be married in with existing soil levels.

Cultivation

Cultivate the soil of all areas prior to seeding and planting. A few days before planting, but in suitably dry weather and ground conditions, cultivate top 300mm of all tree planting areas, using suitable plant to loosen, aerate and break up the soil into particles of 2-8mm. Leave surface regular and even, with levels as required. Remove weeds, perennial weed roots and undesirable material brought to the surface including stones and clods larger than 50mm in any dimension, roots, tufts of grass and foreign matter. Final cultivation prior to seeding topsoil shall be brought to a fine tilth by approved mechanical means or by hand raking.

Weed Treatment

The contractor shall prevent weeds from seeding and perennial weeds from becoming established, by applying a suitable herbicide (non-residual), allowing a period of time to elapse as recommended by manufacturer before cultivation.

Specification of Plant Material

All plants are to be local provenance wherever possible, from a local supplier and from sources with soil and climatic conditions similar to those prevailing on site.

All plants to be healthy, hardened-off and with good fibrous root systems and to comply with the requirements of BS3936 Specification for Nursery Stock.

All plant material to be supplied in accordance with the HTA National Plant Specification.

The code for Plant Handling published by C.P.S.E. shall be strictly adhered to. Substitutions to plant material will only be acceptable if approved by the Landscape Architect.

Planting Shrubs and Herbaceous Material

All individual plants shall be notch planted, making a vertical 'I', 'L', 'T' or 'H' notch, to accommodate fill depth of roots. Notch should be closed following planting, using root collar at ground level, and soil should be firmed.

Planting of species should be undertaken at 0.5/m2, planted in random groups of no less than 3 and no more than 7 of the same species, ensuring that no groups are aligned in any one direction.

Larger specimens, for example more than 1m in height, to be pit-planted with with sufficiently large pit to accommodate root system without bending roots (minimum size of 150mm wider than roots when fully spread and 200mm deep). The base of each pit to be broken up to 150mm with all topsoil thoroughly broken up from the carefully excavated material, and any soil additives and/or ameliorants added in accordance with best practice, prior to backfilling.

Trees shall be secured in position using round timber stakes (top diameter of 50-75 mm), peeled of bark, straight in length and free of snags, pests and diseases, with adjustable 25mm tree ties, made of black PVC or reinforced rubber

Stakes for all trees shall be firmly driven and positioned into the tree planting pit before planting to a minimum depth of 300 mm below the bottom of the pit.

The stake shall be positioned off centre on the prevailing windward side of the tree as near to the tree as possible but shall not interfere with the free movement of the branches and shall cause no rubbing.

General Watering

All plants to be soaked in water for several hours prior to planting, to be well watered in and as necessary to ensure healthy establishment.

Use a fine rose where appropriate to avoid damage or displacing plants or soil.

Water as necessary to ensure establishment and continued thriving of planting.

Water Restrictions: If water supply is or is likely to be restricted by emergency legislation, do not carry out planting until instructed. If planting has been carried out, obtain instructions on watering.

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Ordnance Survey ????????

Plotted: 07.11.2025 2025.11.07 11:17:21 AM By: Rainford Mendez, Jenifer
ORIGINAL SHEET - ISOA1 c:\users\jrainfordmendez\stantec\margam port talbot - landscape and visual\drawings\landscape strategy plan\331201497 landscape strategy - pond plan sections

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Notes

UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

1. All planting shown on the plans is subject to the location of services and utilities, and shall adhere to the following planting distances:
· Trees & shrubs 2m from fences.
· Trees at least 3m from telecoms cables.
· Trees at least 2m from underground electricity cables & shrubs at least 1m from underground electricity cables, including lighting cables.
· Where planting Is shown below or adjacent to overhead powerlines the contractor is to check with relevant statutory authorities for guidelines on appropriate planting distances. All new planting Is to be located in accordance with the relevant authorities' guidelines. * Trees at least 10m from a pylon & shrubs at least 5m from a pylon.
· Trees at least 3m & shrubs 2m from all drains & French drains. Trees & shrubs at least 2m from ditches on min. one side.
· Trees at least 5m from outfalls & shrubs at least 3m from outfalls.
· Trees at least 5m from any footpath & shrubs at least 2m from any footpath.
· Trees to be a minimum of 10m from ecological ponds.
· Trees & shrubs at least 2m from balancing pond Inlets and outlets.
· Only shrub species or groundcover species to be planted over underground culverts.

Notwithstanding any notes on these drawings, it is the contractor's responsibility to check for the presence of any underground and overhead utilities and services before undertaking any excavations or planting works. Where utilities and services mean that planting is unachievable, the contractor is to notify the Landscape Architect to agree alternative locations.

2. All soft areas shall be nurse grass seeded as set out in MAREXT-STN-XX-XXX-DR-LA-0001 & MAREXT-STN-XX-XXX-DR-LA-0002. Refer to the Peat Management Plan and the specification below for subsoil and topsoil requirements and treatment of areas prior to planting.
3. All topsoil should be suitable reused topsoil from onsite. Reused topsoil should be stored appropriately during construction. Refer to the Peat Management Plan
4. Site setting out of landscape areas and planting shall be to the acceptance of the Landscape Clerk of Works or Project Landscape Architect.
5. This drawing should be read in conjunction with drawings MAREXT-STN-XX-XXX-DR-LA-0001 & MAREXT-STN-XX-XXX-DR-LA-0002
6. All planting to be within the site boundary.
7. For full drainage design refer to MARPT-BHK-01-XX-RP-C-090001 Margam Drainage Report. Drainage design shown corresponds to SAB consent (reference S2025/0037) governing surface water including SuDS, Ditch1, and Ditch 5. Drainage design corresponds to OWC consent (reference FD 20250404) governing enhanced and reinstated ditches and is coordinated with the Water Vole Management 2488240-D07(04)

Issued/Revision	By	Appd	YYYY.MM.DD
P02 Updated After Drainage Update	JRM	SH	2025.11.07
P01 FIRST ISSUE	ND	SH	2025.07.14

	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD
	KM	KM	RW	2025.07.14

Issue Status

S5 - FOR REVIEW AND ACCEPTANCE

This document is suitable only for the purpose noted above.
Use of this document for any other purpose is not permitted.

Client/Project Logo

nationalgrid

Client/Project
National Grid

Margam, Port Talbot

Title
Margam SuDS Indicative Sections and Sepcification

Project No. 331201497

A1 Scale 1:100

Revision P02

Drawing No. MAREXT-STN-XX-XXX-DR-LA-0003