



MetroWest+

Portishead Branch Line (MetroWest Phase 1)

TR040011

Applicant: North Somerset District Council

2.59 – Great Crested Newt Indicative Pond Design

**The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, regulation 5(2)(o)
Planning Act 2008**

Author: CH2M

Date: November 2019



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2.59	Great Crested Newt Indicative Pond Design	The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, regulation 5(2)(o)	467470.BQ.04.20-SK455 – 593 Rev A
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NOT TO SCALE

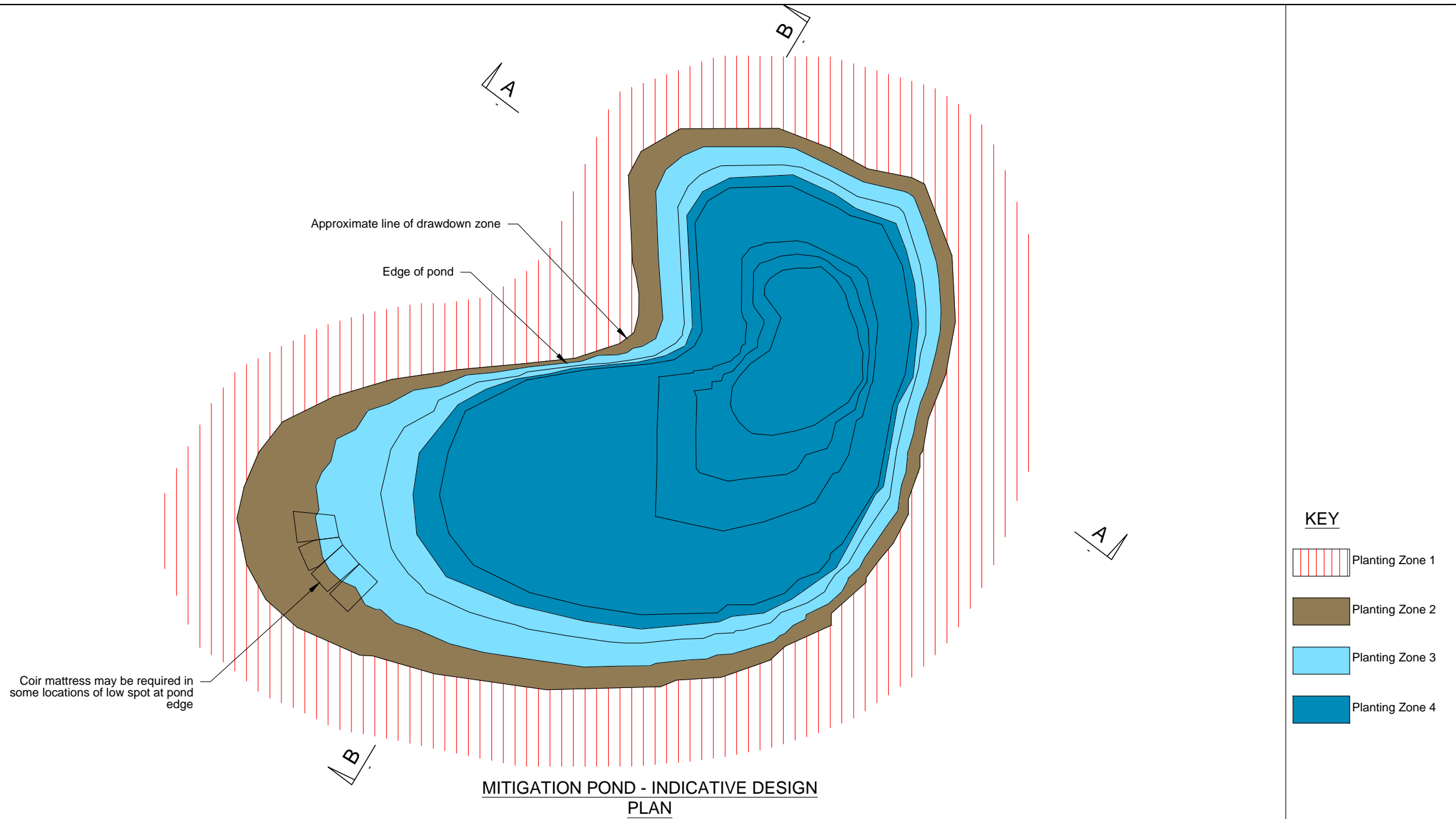
Slopes from water level to ground levels and within the drawdown zone shall not be steeper than 1:20 at approx. 20% of pond perimeter .

The shape of the pond can and should be tailored to fit the site conditions at the time of construction assuming the following design parameters are adhered to;

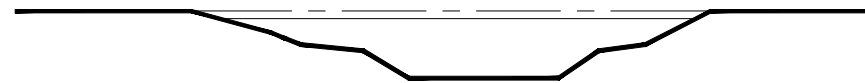
1. The total surface area of the pond should be between 100m² and 300m²;
2. Depth may vary; from 4m to a minimum of 1.5m;
3. Slopes from existing ground level to zone 3 (or retained water level) should be no steeper than 5% (1:20) for a minimum of 20% of the pond parameter;
4. The ratio of maximum pond length to maximum pond width should be no greater than 4:1

TABLE OF POND PLANTING

Planting zone	Planting specification
Zone 1	Plants that have lower water requirements. However this is dependant on surrounding habitats.
Zone 2	Marginal plants with medium water requirements. They can survive periods of water inundation as well as periods of drying.
Zone 3	Marginal plants that require constant water logging.
Zone 4	Submerged aquatic plants that require to be submerged all year round, and floating plants.



MITIGATION POND - INDICATIVE DESIGN PLAN



SECTION A-A



SECTION B-B

KEY

- Planting Zone 1
- Planting Zone 2
- Planting Zone 3
- Planting Zone 4

Rev	By	Chkd	Appvd	Date	Description
A	FG	CF	CF	31/10/2019	Final



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Project
PORTISHEAD BRANCH LINE
(METROWEST PHASE 1)

Drawing
GREAT CRESTED NEWT
INDICATIVE POND DESIGN

Drawn by: FG Date: 31/10/2019

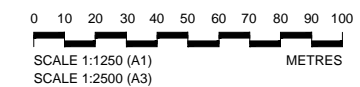
Checked by: CF Date: 31/10/2019

Approved by: CF Date: 31/10/2019

Drawing No. Revision

467470.BQ.04.20-SK455 A

Drawing Scale: AS SHOWN



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