

Appendix 6.4. Land Management Plan



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TO WHOM IT MAY CONCERN

Date: 9 January 2026

MORTARSTOWN WWTP: LANDSCAPE DESIGN RATIONALE

The proposed planting strategy for Mortarstown WwTP is designed to integrate the site sensitively into the surrounding landscape, enhance visual screening, and support biodiversity. Retention of existing vegetation, supplemented with additional native hedgerows, grassland management, ponds and tree planting, will mitigate the visual and ecological impacts of the works while contributing to the overall landscape character of the area.

All planting proposed within the Mortarstown WwTP site will comprise native species of Irish provenance.

Existing screen planting along the northern, eastern, and southern boundaries of the site will be largely retained. Additional native species hedgerows will be planted along the entire boundary to the extension to the site to increase biodiversity, these hedgerows as they mature will also provide screening.

Grassland areas within the site will be managed to enhance biodiversity. Short grassland areas will be managed through a mowing regime of five cuts per year at approximately six-week intervals, with all arisings removed. Long grassland areas will be managed through a single annual cut, with all arisings removed.

Two wildlife ponds, incorporating marginal planting and pondside trees to provide partial shading, will be provided within the Mortarstown WwTP site. Additional orchard tree planting will be provided within the rear garden of the derelict cottage located to the west of the site.

Replacement tree and hedgerow planting will be provided where sections of existing trees and hedgerows are removed along Kilkenny Road (in the vicinity of Southern Gardens and Carraig Abhainn) to facilitate shafts for micro-tunnelling works.

The small area of woodland removed south of the Kilkenny Road pumping station will be allowed to naturally regenerate following completion of the works. In addition, a native hedgerow will be planted adjacent to the existing stone boundary wall near the Kilkenny Road pumping station.

Yours faithfully,

A handwritten signature in black ink that reads "Eamonn Byrne". The signature is written in a cursive, flowing style.

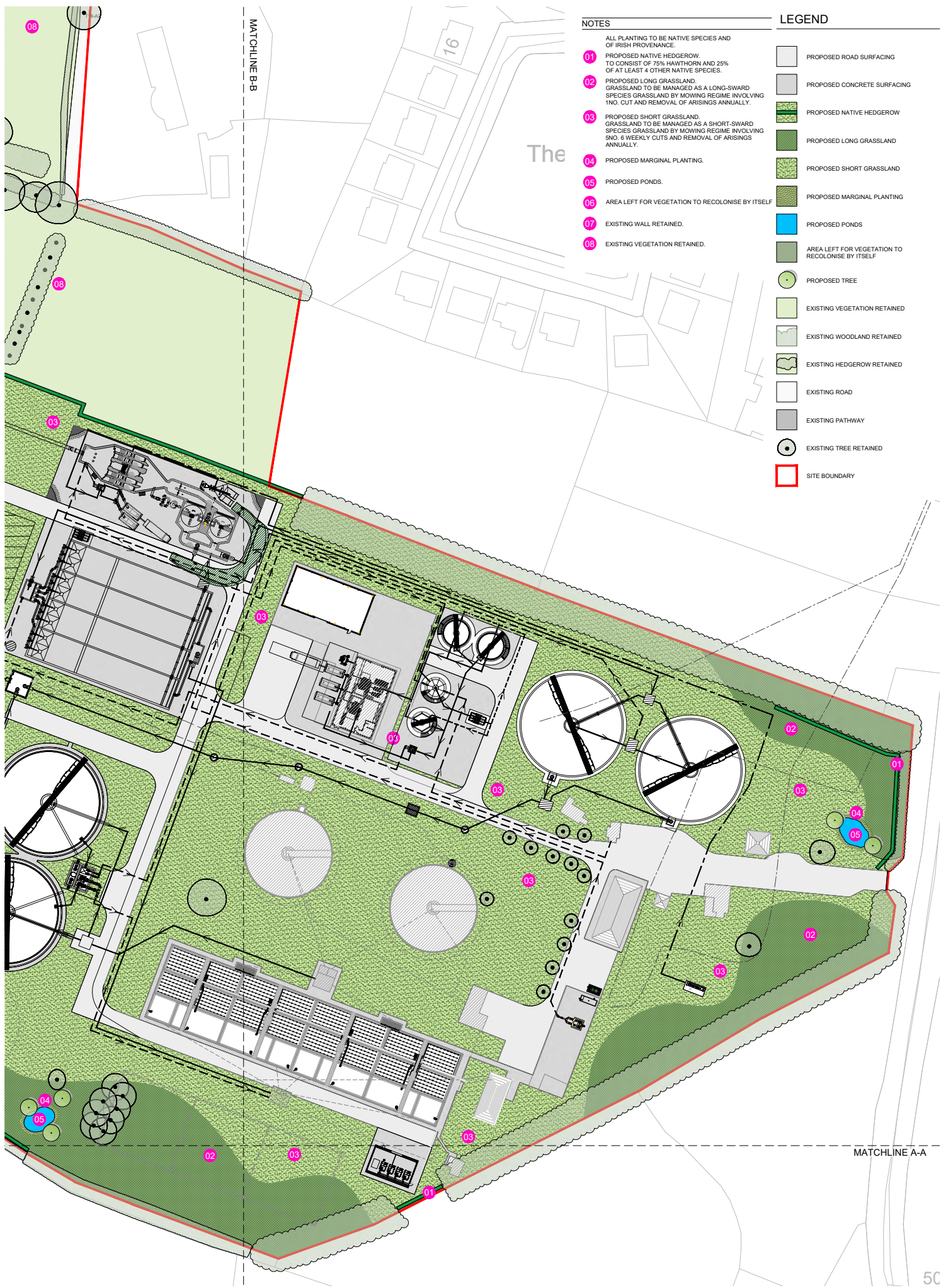
Eamonn Byrne, Dip Hort (Kew), Dip LD, MI Hort, CMLI

Director/ Landscape Architect



E= electronic drawings





NOTES

- ALL PLANTING TO BE NATIVE SPECIES AND OF IRISH PROVENANCE.
- 01 PROPOSED NATIVE HEDGEROW. TO CONSIST OF 75% HAWTHORN AND 25% OF AT LEAST 4 OTHER NATIVE SPECIES.
- 02 PROPOSED LONG GRASSLAND. GRASSLAND TO BE MANAGED AS A LONG-SWARD SPECIES GRASSLAND BY MOWING REGIME INVOLVING 1NO. CUT AND REMOVAL OF ARISING ANNUALLY.
- 03 PROPOSED SHORT GRASSLAND. GRASSLAND TO BE MANAGED AS A SHORT-SWARD SPECIES GRASSLAND BY MOWING REGIME INVOLVING 5NO. 6 WEEKLY CUTS AND REMOVAL OF ARISING ANNUALLY.
- 04 PROPOSED MARGINAL PLANTING.
- 05 PROPOSED PONDS.
- 06 AREA LEFT FOR VEGETATION TO RECOLONISE BY ITSELF
- 07 EXISTING WALL RETAINED.
- 08 EXISTING VEGETATION RETAINED.

LEGEND

- PROPOSED ROAD SURFACING
- PROPOSED CONCRETE SURFACING
- PROPOSED NATIVE HEDGEROW
- PROPOSED LONG GRASSLAND
- PROPOSED SHORT GRASSLAND
- PROPOSED MARGINAL PLANTING
- PROPOSED PONDS
- AREA LEFT FOR VEGETATION TO RECOLONISE BY ITSELF
- PROPOSED TREE
- EXISTING VEGETATION RETAINED
- EXISTING WOODLAND RETAINED
- EXISTING HEDGEROW RETAINED
- EXISTING ROAD
- EXISTING PATHWAY
- EXISTING TREE RETAINED
- SITE BOUNDARY



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PARTS OF THE EXISTING WOODLAND WILL HAVE TO BE CLEARED TO ALLOW ACCESS FOR MACHINERY ETC. FOR INSTALLATION OF NEW OUTFALL PIPE. THE EXTENT OF THIS WORK AREA WILL BE KEPT TO THE MINIMUM REQUIRED.

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-  EXISTING WOODLAND RETAINED
-  EXISTING HEDGEROW RETAINED
-  EXISTING ROAD
-  EXISTING PATHWAY
-  EXISTING TREE RETAINED
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PROJECT/WORKING TITLE

MORTARSTOWN WWTP UPGRADE/ LANDSCAPE PLAN (2 OF 4)

LOCATION

CARLOW, CO, CARLOW

MATCHLINE C-C

MATCHLINE B-B

MATCHLINE A-A



MATCHLINE D-D

RIVER BARROW

Southern Gardens

Rath Abhainn

MATCHLINE C-C

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