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Methodology Statement

Project: Ducking Stool jetty

Location: Belturbet Co Cavan

Client: Cavan County Council

• 1. INTRODUCTION

This methodology statement outlines the proposed construction approach for the upgrade of the existing public marina. The works involve demolition of the existing jetty and slipway structures, construction of new static and floating jetties, replacement of the slipway and associated carpark works.

2. SCOPE OF WORK

- removal of the existing timber jetties,
- realignment and widening of the slipway providing access to the River Erne,
- reconfiguration and extension of the existing pier, including amended levels,
- installation of floating jetties and jetty access ramp,
- construction of hard landscaped, public recreational open space,
- reconfiguration and upgrade of existing graveled area to create new carpark (7no. spaces),
- installation of public lighting and refuse storage,
- installation of bike stands
- installation of wayfinding signage
- reconfiguration and upgrading of existing drainage and all associated site development works.

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3. DEMOLITION WORKS

3.1 Existing Timber Jetty Removal

- Install silt control measures to protect watercourse.
- Disconnect and remove services connected to the jetty.
- Dismantle deck boards, steel beams, and supporting structure.
- Extract existing steel supports.

3.2 Existing Slipway Demolition

- Install silt control measures to protect watercourse.
- Concrete structure to be broken out using hydraulic breakers or saw cutting.
- Excavation and removal of sub-base material as required.
- Waste concrete to be removed offsite.
- Prepare areas for new construction.

4. CONSTRUCTION METHODOLOGY

4.1 Static Jetty Construction

- Pads to be excavated, these are away from the riverbank.
- Pads to be poured with starter bars provided.
- Reinforced concrete columns and beams to be shuttered and poured.
- Precast concrete slabs to be provided on top of reinforced concrete beams.
- Finishes, side sheeting, services and handrails to be provided.

4.2 Floating Jetty Installation

- Precast concrete ballast blocks to be installed on river bed.
- Elastomeric/rubberised restraints to be provided.
- Jetties to be provided and fixed to restraints.

4.3 Slipway Construction

- Install silt control measures to protect watercourse.
- Excavate to formation level.
- Precast concrete slipway section to be installed in the section nearest the river. This will be dropped into position by a crane.
- Insitu reinforced concrete slipway to be provided for section furthest away from the river. Reinforcement to be tied and base and walls poured.
- Tarmac finish to be provided to upper areas away from the jetty and slipway.



4.4 Carpark Works

Method:

- Install silt control measures to protect watercourse.
- Strip existing surfacing where required.
- Carry out excavation works and provide drainage.
- Install new compacted hardcore and tarmacking.
- Line marking and signage to be installed installed.

Environmental Controls:

- Silt curtains to be provided at all times.
- Spill containment measures to be provided.
- Turbidity monitoring to be carried out.
- Waste separation and responsible disposal.
- Noise and dust control.