Weir structure to be power washed, joints are to be raked out and re-pointed where needed. Approx linear length 160m.

Anti-erosion measures to be provided along downstream length of weir approximate length 160m.

Existing apron to be broken up and removed. New apron to be constructed to the same extent as the existing.

Existing fish pass to be removed.

New all species fish pass to be constructed.

Re-construction of revetment bank.

New bristle mats to be laid in existing elver pass.

All displaced masonry to be reset. Existing masonry units to be reused, where possible. If replacement masonry is required it is to match existing type and size.

Any missing or damaged masonry to be replaced or re-set as required.

Weir to be pressure grouted using an array of drilled grout holes.
PHASE 1: Temporary Works

Site Compound

CH 700

Temporary unbound access from farmyard to river bank.

CH 500

Proposed access into site compound. New permanent gate to be provided and short length of existing mature evergreen trees to be removed (approximately 2 trees).

Temporary bund created from sand bags and an impermeable material, maximum level to be 3.2mOD.

Proposed steel sheet piles to be driven into bed of river upstream from existing weir structure. Sheet piles to be stopped a minimum 5m back from crest.

Sheet pile wall height not to exceed 5.5m OD.

Ramped access to in river works.

Sheet pile or alternative approved dam

Cofferdam height to be maintained over weir structure, constructed from impermeable materials e.g. puddle clay.

Current unbound surface to be retained and patch repaired prior to construction works. Area to be surfaced with flexible pavement on completion of works.

Navigation to remain open throughout works. Short delays through lock may be experienced when loading and unloading plant and machinery.

NOTES

1. All levels to Ordnance Datum Malin Head unless otherwise stated.

2. All dimensions are in metres unless otherwise stated.

3. Read in conjunction with Dwg. T01/NBL/AB094/P/401, T01/NBL/AB094/P/402, T01/NBL/AB094/P/404.

4. Read in conjunction with the Carnroe Weir Rehabilitation and Fish Pass Construction Project Description & Works Proposals Document.

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OSNI REFERENCE:

04103NE, 04104NW, 04103 SE 04104 SW

LOWER BANN NAVIGATION

CARNROE WEIR REHABILITATION AND FISH PASS CONSTRUCTION

TEMPORARY WORKS

PROPOSALS PHASE 1

JUNE 2019

AS SHOWN

T KILLEN

DRAWING NO

T01/NLB/AB094/P/403

DRAFT
PHASE 2: Temporary Works

Temporary works - Sand bag dam example
Temporary works - Steel sheet pile dam example

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