

# SAFETY HEALTH & ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the type of work detailed on this drawing, note the following risks and information.

Risks listed here are not exhaustive. Refer to Designer's Risk Assessment and pre-construction phase plan.

## CONSTRUCTION

- C1** **Managing flow & stage levels in River Exe**
  - Monitor flow levels & flood warnings.
  - Check adequacy of cut-off & stability of cofferdams, if used.
- C2** **Managing seepage flows through weir**
  - Monitor seepage
  - Check stability of cut face in weir and assess permeability of formation material.
  - Check adequacy of cut-off & stability of cofferdams
- C3** **Working near water**
  - Avoid working near water where possible
  - Allow provision for fixed edge protection to eliminate falls into water
  - Allow provision for systems for work positioning and fall arrest
  - Assess bank stability / conditions considering access for personnel and machinery
  - Wear appropriate PPE
- C4** **Risk of falls from height**
  - Check depth of excavations
  - Allow provision for fixed guard rails to eliminate falls from height and appropriate means of access not involving ladders
  - Allow provision for systems for work positioning and fall arrest
- C5** **Lifting**
  - Check crane lifting facilities & constraints
  - Check access weight & size restrictions for crane at bridge crossings along access route to site
- C6** **Services**
  - Check for identified & unidentified services. Clearly highlight and services that may affect works
- C7** **Interface with public & other site operations**
  - Assess risk to public on site
  - Check adequate warning signs and fencing in place

## DEMOLITION

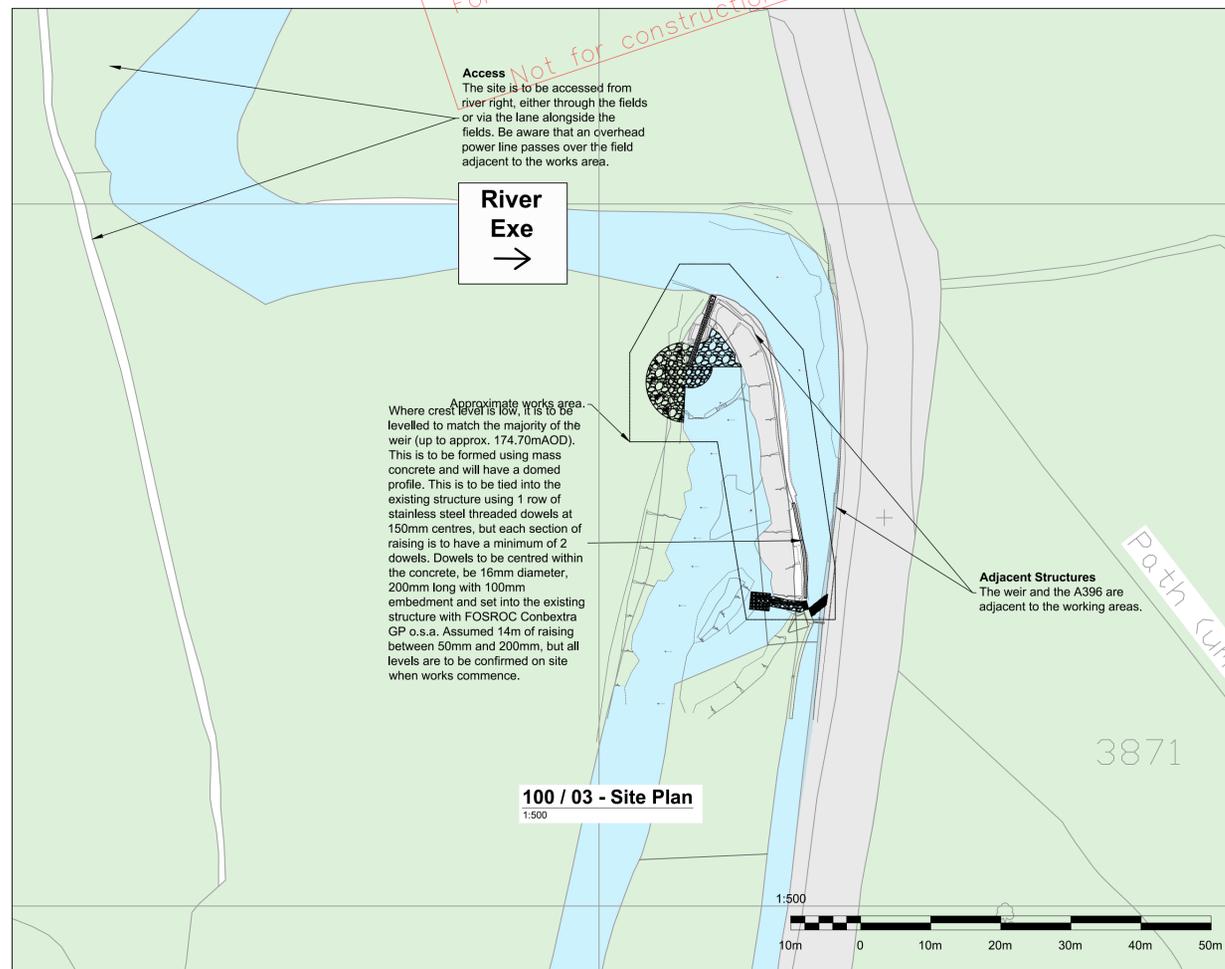
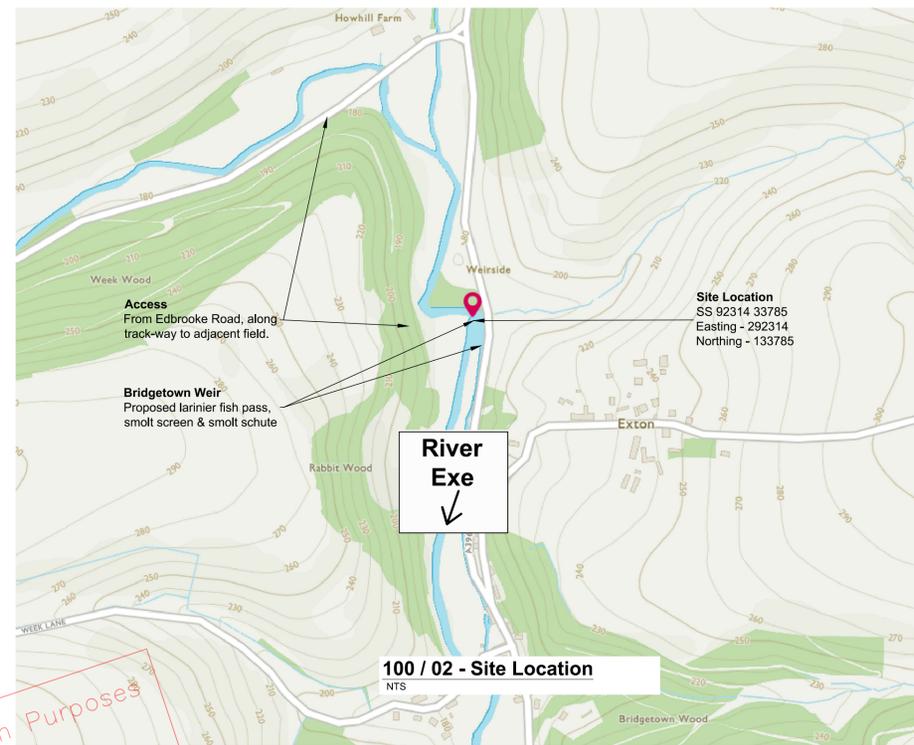
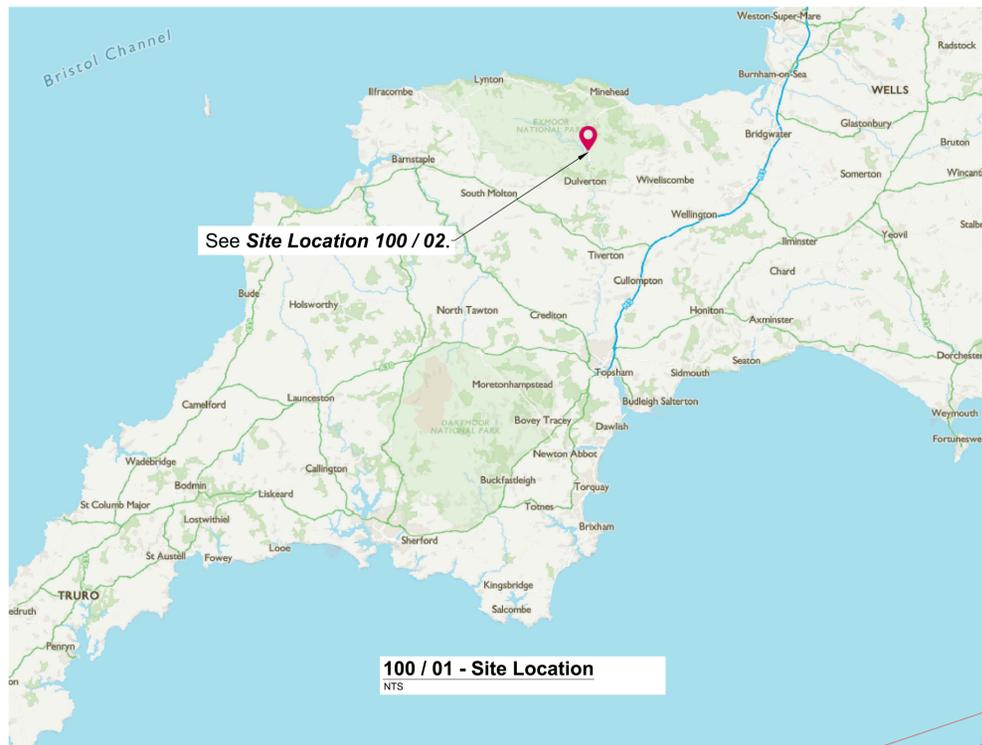
## ENVIRONMENTAL

- E1** **Pollution of Watercourse**
  - Create a suitable dry working area
  - Refer to 'Guidance for Pollution Prevention 2018'
  - Produce a Site Waste Management Plan
  - Produce a Site Environmental Emergency Plan
  - Have a suitable incident Response Plan in place

## OPERATION & MAINTENANCE

For information relating to Use, Cleaning and Maintenance see the Health and Safety File

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement



## NOTES:

- 1. DIMENSIONS:**
  - Are in millimetres unless otherwise stated.
  - Marked thus (\*) are approximate.
  - All levels are in metres to Site Datum.

**2. SPECIFICATION:**  
All works to be carried out in accordance with the Environment Agency Minimum Technical Requirements which shall be the Civil Engineering Specification for the Water Industry (CESWI). All technical requirements clauses apply unless stated as deleted, amended or augmented in accordance with the EA WEM Contract Works Information documentation.

**3. DRAWING INFORMATION**  
Site plans from topographical survey by the Westcountry Rivers Trust, August 2020. Contractor to check critical levels before setting out.

Rev	Date	Description	Auth	Chkd	Appr
P02	03/08/21	Detailed Design - For Tender	AF	ML	TC
P01	25/05/21	Detailed Design - For Comment	AF	ML	TC
B02	19/05/21	GA Design - For Planning	AF	SP	TC
B01	12/03/21	Outline Design - For Discussion	AF	SP	TC
A01	05/02/21	Concept Design - For Information	AF	SP	TC

Status

## Detailed Design

Scales	As shown	Current Issue Signatures		
Original Size	A1	Author	A. Frampton	
Datum	N/A	Checker	M.Lakin	
Grid	N/A	Approver	T.Coe	

Filename:

Client:



PROJECT

Bridgetown Weir

TITLE

Site Location & Plan

Drawing No.	Project No.	Revision
100	02900	P02

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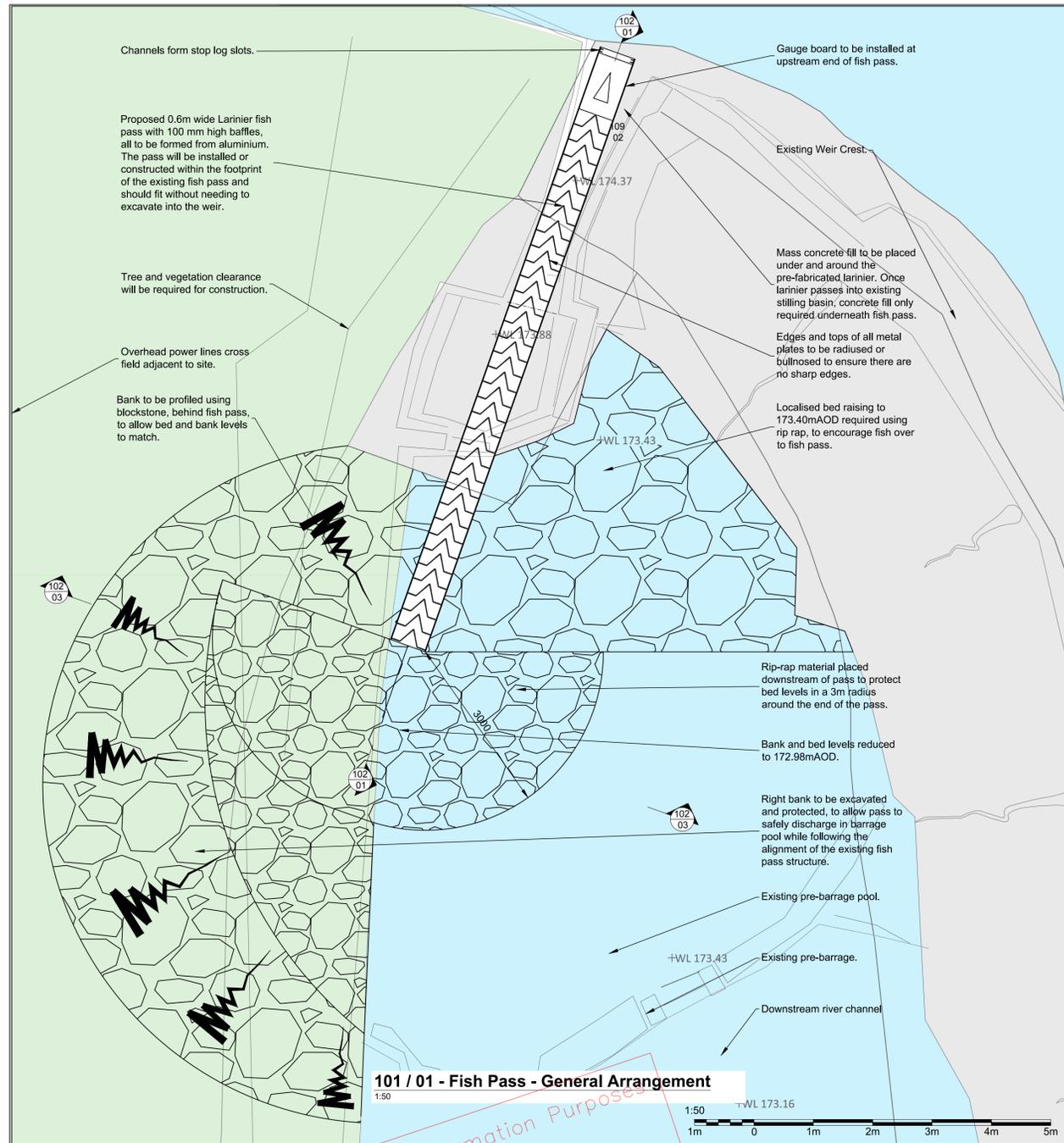
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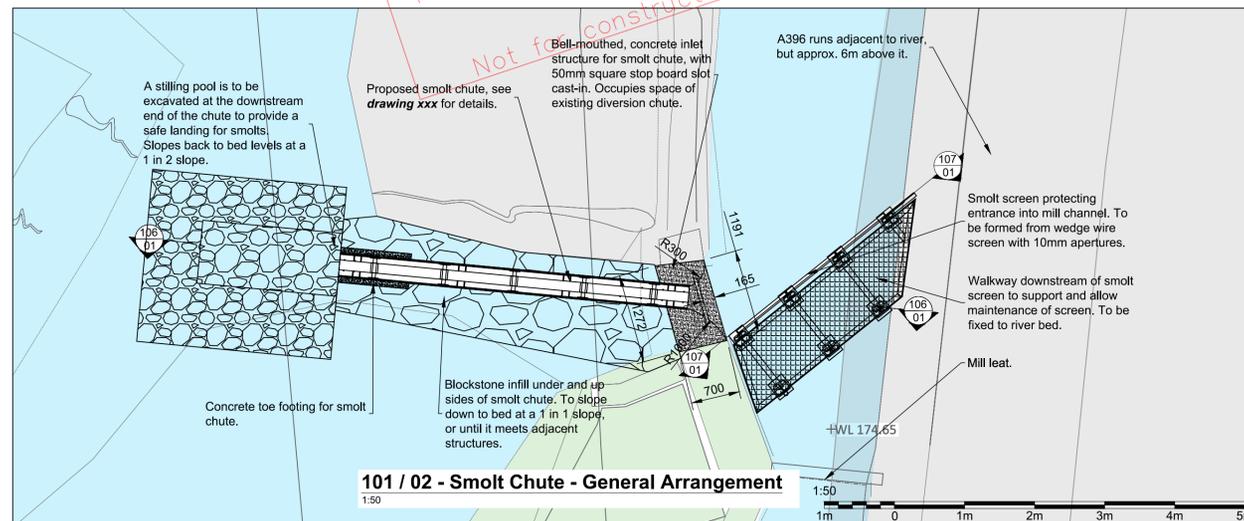
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**101 / 01 - Fish Pass - General Arrangement**



**101 / 02 - Smolt Chute - General Arrangement**

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- 3. DRAWING INFORMATION**

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- 9. NATURAL STONE**

Rip-rap scour protection to comprise of natural hard stone with nominal density 2700kg/m<sup>3</sup>. Approximate grading to be: 100% 300mm<Ø<450mm.  
Block stone to comprise of natural hard stone with nominal density 2700kg/m<sup>3</sup>. Approximate grading to be: 30% 1000mm<Ø<1250mm, 30% 750<Ø<1000mm and 40% 500<Ø<750mm.

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PROJECT		
Bridgetown Weir		
TITLE		
General Arrangements		
Drawing No.	Project No.	Revision
101	02900	P02