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 cranage lifting facilities & constraints
-Check access weight & size restrictions for cranage 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

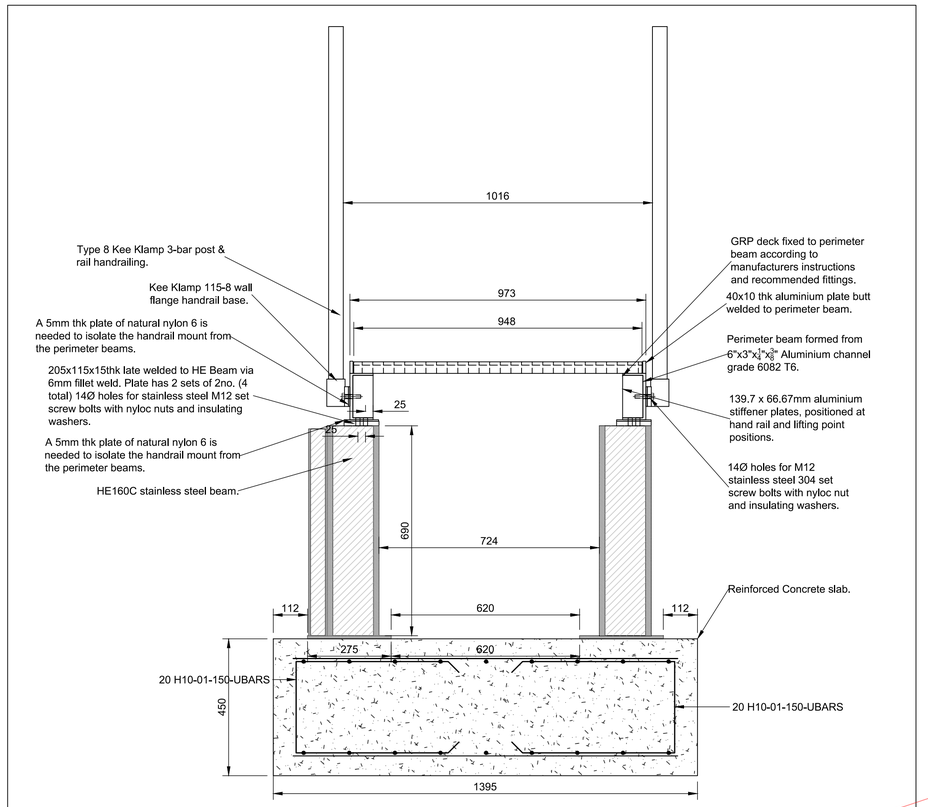
ENVIRONMENTAL

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 a Site Environmental Emergency Plan
- Have a suitable incident Response Plan in place

OPERATION & MAINTENANCE

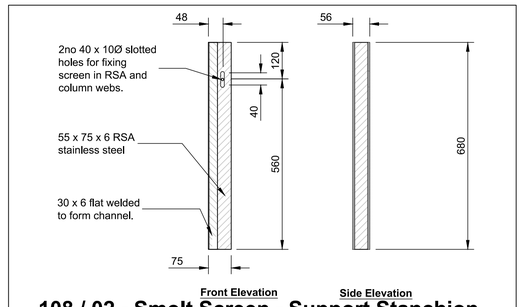
For information relating to Use, Cleaning and Maintenance see the Health and Safety File

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



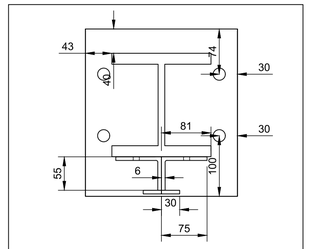
108 / 01 - Maintenance Walkway - Cross Section

1:10



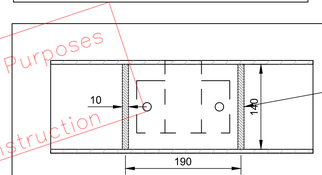
108 / 02 - Smolt Screen - Support Stanchion Details

1:10



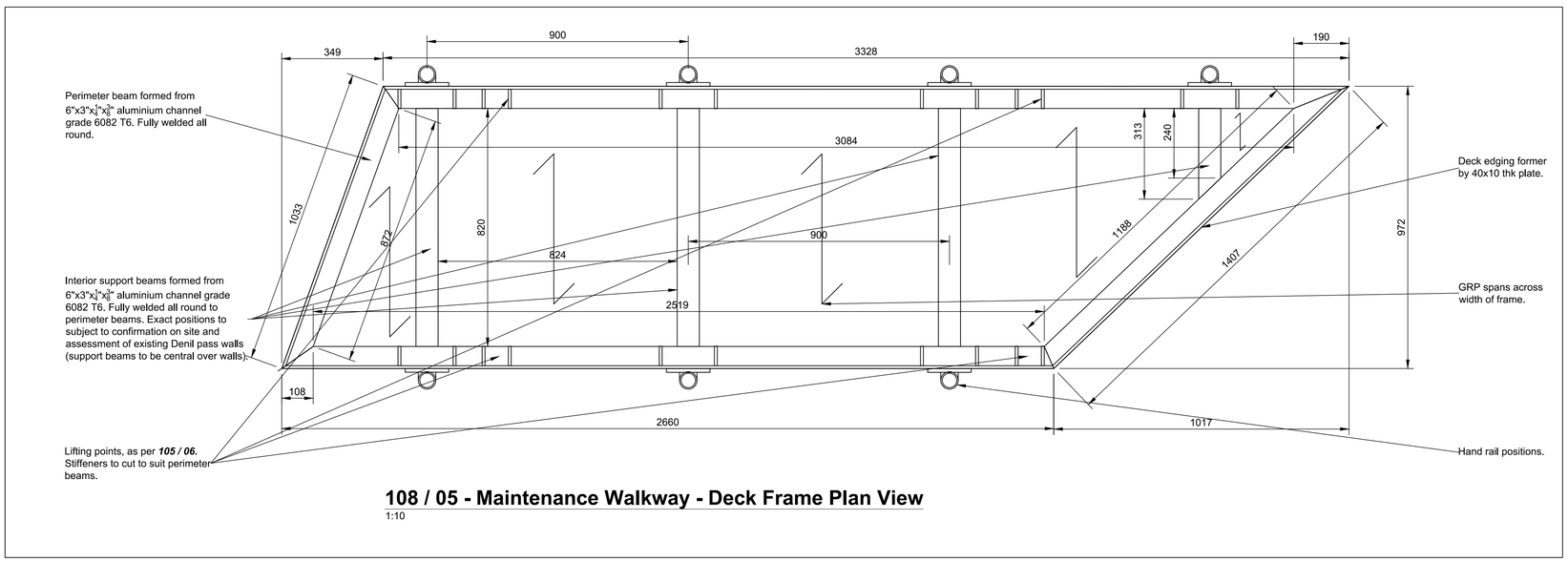
108 / 03 - Maintenance Walkway - Column Fixing Details

1:5



108 / 04 - Handrail Reinforcement Detail

1:5



108 / 05 - Maintenance Walkway - Deck Frame Plan View

1:10

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.

5. STAINLESS STEEL
All structural stainless steel alloys to BS EN 10088-2:2014.
All stainless steel components to be Alloy 316/1.4401, or similar approved.
All stainless steel welds to be 10mm fillet unless otherwise indicated. All welds to be continuous unless otherwise indicated.

5. ALUMINIUM:
All structural aluminium alloys to BS 8118.
All aluminium components to be Alloy 6082T6, or similar approved.
All aluminium welds to be 10mm fillet unless otherwise indicated. All welds to be continuous unless otherwise indicated.

6. BOLTS:
All stainless steel to BS5950.
All fasteners to be stainless steel A2 (304) set screws, M12 unless otherwise indicated in 14mm dia holes.
All fastness to have white nylon washers to isolate stainless steel fasteners from aluminium alloy extrusions & plates.
Washers to be M12 21mm x 2mm unless otherwise indicated to suit set screw dia.
All nuts to be nyloc nuts.
Supporting structure to avoid bottom connector plates (& bolted fixings).

7. FABRICATION:
Fabrication drawings to be prepared by the fabricator.
All fabricated structural steelwork & aluminium structures executed to conform to BS EN 1090-2.
All structural material components, used within the fabricated and executed structure, to conform to BS EN 1090-2 including NSSS V5 CE Marking Version.
Size of connection plates & bolt hole positions to suit fabrication tolerances and checked for fit prior to deliver to site.
Existing weir profile to be surveyed prior to commencement of fabrication.

8. ASSEMBLY:
All bolted connection plates to receive bead line of Sika-flex.

Rev.	Date	Description	Auth.	Chkd.	Appr.
P02	03/06/21	Detailed Design - For Tender	AF	ML	TC
P01	25/05/21	Detailed Design - For Comment	AF	ML	TC

Status: Detailed Design

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

Filename:

Client: Westcountry Rivers Trust

FISHTEK CONSULTING

PROJECT: Bridgetown Weir

TITLE: Maintenace Walkway Section & Details

Drawing No.	Project No.	Revision
108 -	02900 -	P02