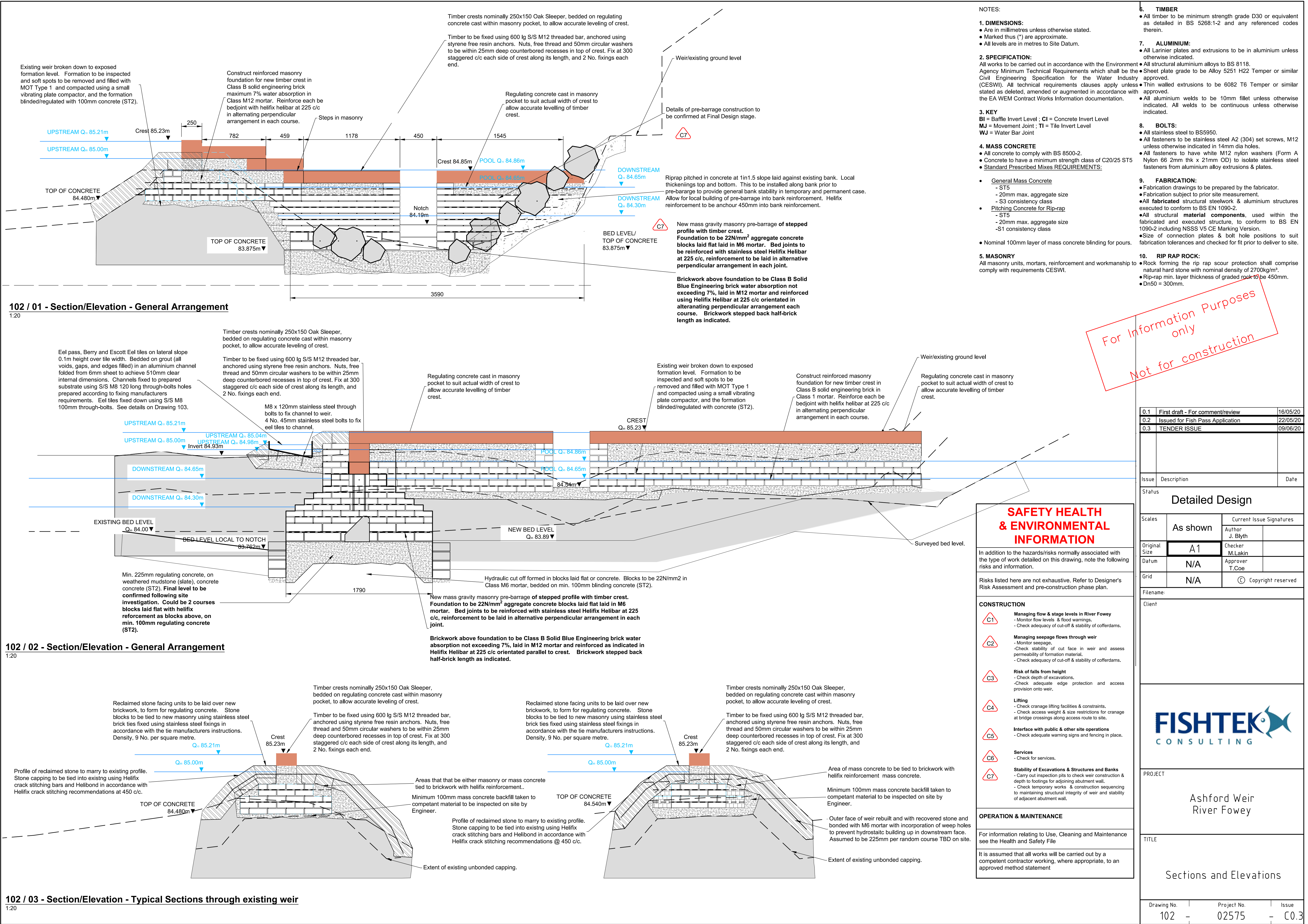




- NOTES:**
- 1. DIMENSIONS:**
- Are in millimetres unless otherwise stated.
 - Marked thus (*) are approximate.
 - All levels are in metres to Site Datum.
- 2. SPECIFICATION:**
- All works to be carried out in accordance with the Environment Agency Minimum Technical Requirements which shall be the Civil 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. KEY**
- BI = Baffle Invert Level ; CI = Concrete Invert Level
MJ = Movement Joint ; TI = Tile Invert Level
WJ = Water Bar Joint
- 4. MASS CONCRETE**
- All concrete to comply with BS 8500-2.
 - Concrete to have a minimum strength class of C20/25 ST5
 - Standard Prescribed Mixes REQUIREMENTS:
- **General Mass Concrete**
 - ST5
 - 20mm max. aggregate size
 - S3 consistency class
 - **Pitching Concrete for Rip-rap**
 - ST5
 - 20mm max. aggregate size
 - S1 consistency class
- Nominal 100mm layer of mass concrete blinding for pours.
- 5. MASONRY**
- All masonry units, mortars, reinforcement and workmanship to comply with requirements CESWI.
- 6. TIMBER**
- All timber to be minimum strength grade D30 or equivalent as detailed in BS 5268:1-2 and any referenced codes therein.
- 7. ALUMINIUM:**
- All Larinier plates and extrusions to be in aluminium unless otherwise indicated.
 - All structural aluminium alloys to BS 8118.
 - Sheet plate grade to be Alloy 5251 H22 Temper or similar approved.
 - Thin walled extrusions to be 6082 T6 Temper or similar approved.
 - All aluminium welds to be 10mm fillet unless otherwise indicated. All welds to be continuous unless otherwise indicated.
- 8. 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 fasteners to have white M12 nylon washers (Form A Nylon 66 2mm thk x 21mm OD) to isolate stainless steel fasteners from aluminium alloy extrusions & plates.
- 9. FABRICATION:**
- Fabrication drawings to be prepared by the fabricator.
 - Fabrication subject to prior site measurement.
 - 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.
- 10. RIP RAP ROCK:**
- Rock forming the rip rap scour protection shall comprise natural hard stone with nominal density of 2700kg/m³.
 - Rip-rap min. layer thickness of graded rock to be 450mm.
 - Dn50 = 300mm.

For Information Purposes only
Not for construction

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 Fowey

- Monitor flow levels & flood warnings.
- Check adequacy of cut-off & stability of cofferdams.

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 Risk of falls from height

- Check depth of excavations.
- Check adequate edge protection and access provision onto weir.

C4 Lifting

- Check craneage lifting facilities & constraints.
- Check access weight & size restrictions for craneage at bridge crossings along access route to site.

C5 Interface with public & other site operations

- Check adequate warning signs and fencing in place.

C6 Services

- Check for services.

C7 Stability of Excavations & Structures and Banks

- Carry out inspection pits to check weir construction & depth to footings for adjoining abutment wall.
- Check temporary works & construction sequencing to maintaining structural integrity of weir and stability of adjacent abutment wall.

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

0.1	First draft - For comment/review	16/05/20
0.2	Issued for Fish Pass Application	22/05/20
0.3	TENDER ISSUE	09/06/20
Issue	Description	Date
Status		
Detailed Design		
Scales	As shown	Current Issue Signatures
		Author: J. Blyth
Original Size	A1	Checker: M.Lakin
Datum	N/A	Approver: T.Coe
Grid	N/A	© Copyright reserved
Filename:		
Client		
PROJECT		
Ashford Weir River Fowey		
TITLE		
Sections and Elevations		
Drawing No.	Project No.	Issue
102	02575	C0.3