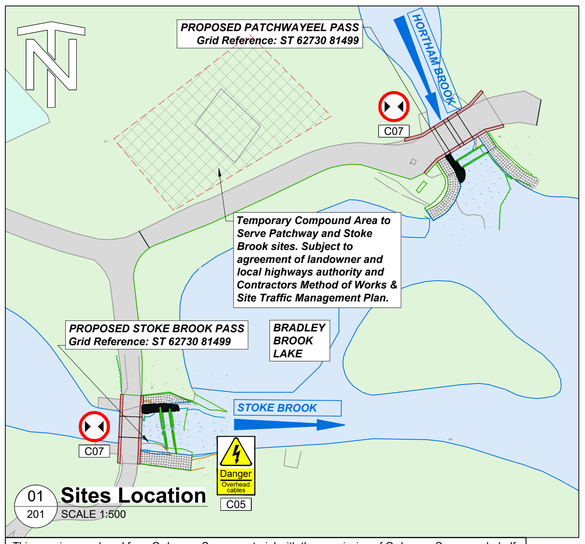
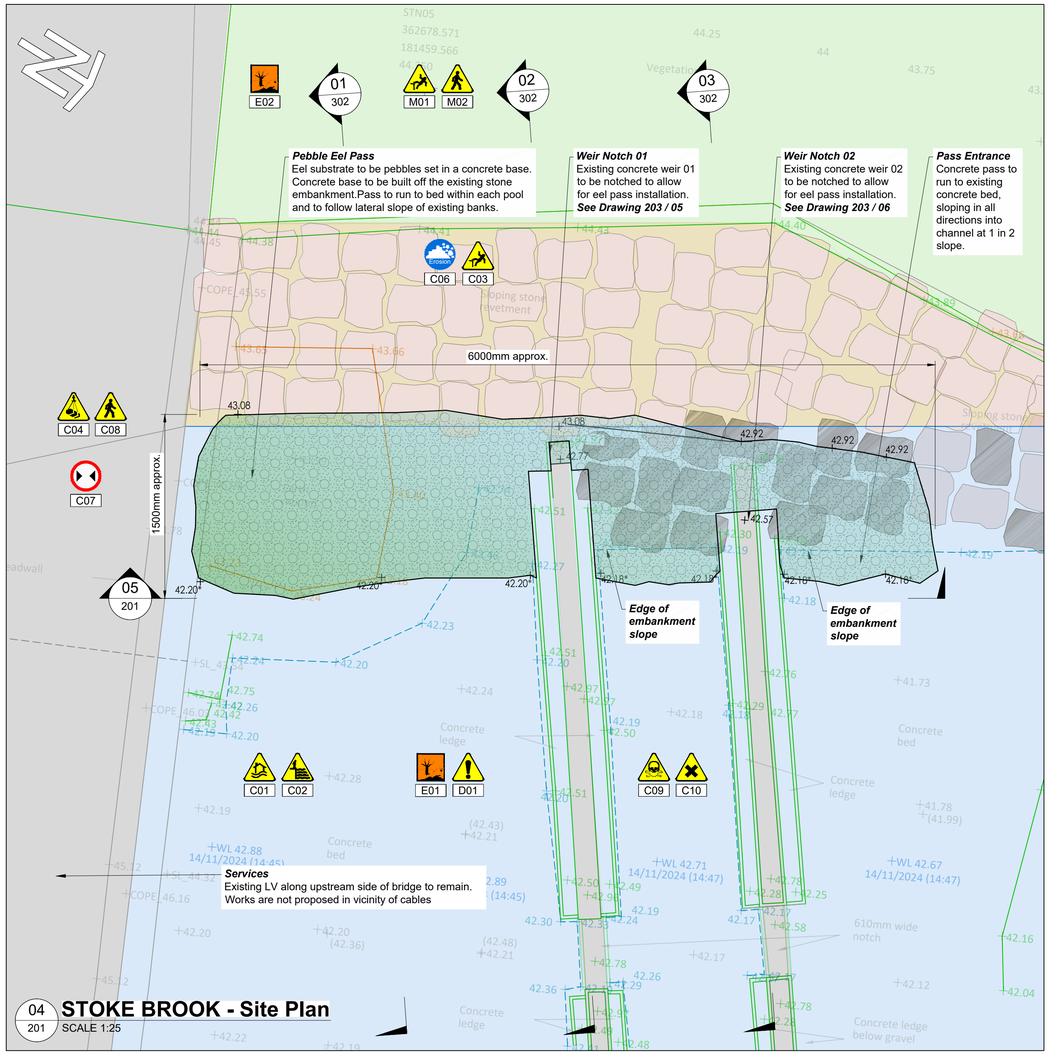


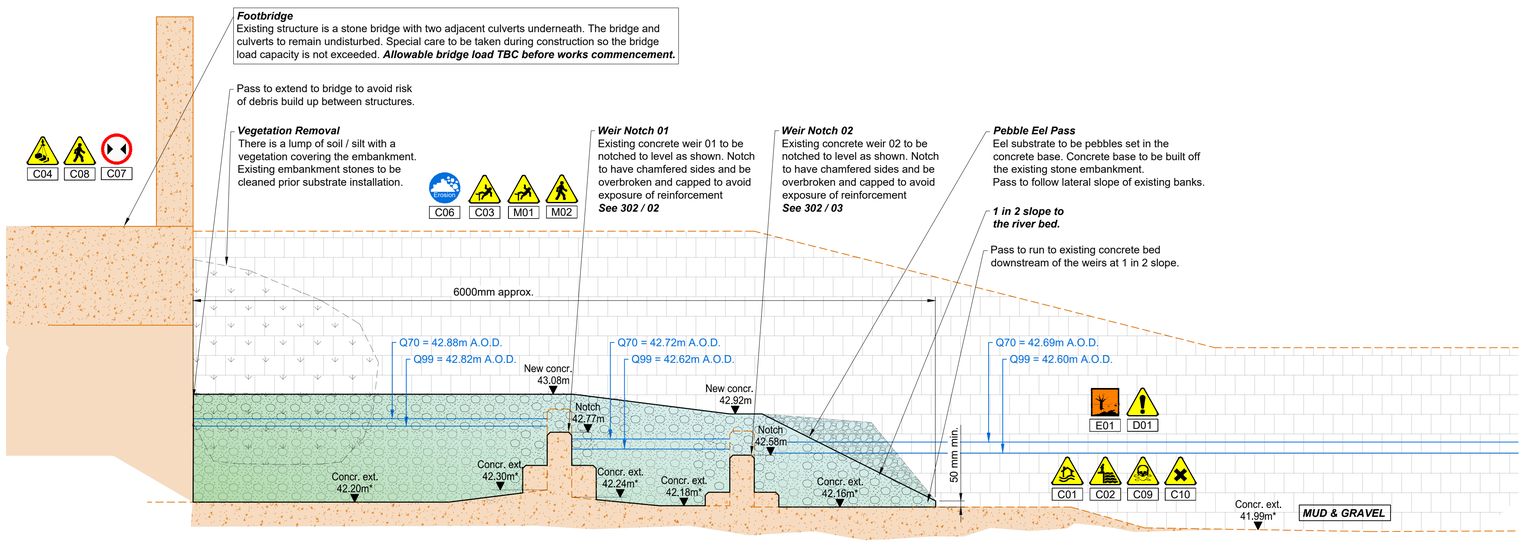
01 201 **Sites Location** SCALE 1:500

02 201 **Sites Location** NTS

03 201 **STOKE BROOK - Stone Embankment** NTS



04 201 **STOKE BROOK - Site Plan** SCALE 1:25



05 201 **STOKE BROOK - Eel Pass - Sectional Elevation** SCALE 1:25

SAFETY, HEALTH, ENVIRONMENTAL, AND WELFARE INFORMATION

IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RISKS:

CONSTRUCTION

C01	DRA REF.: 3540333_930. MANAGING FLOW & STAGE LEVELS IN RIVER STOKE BROOK. -MONITOR RIVER LEVELS & EA FLOOD WARNINGS. -OBSERVE EGRESS AND EVACUATION PLAN FROM COFFERDAM.
C02	WORKING NEAR WATER - FISH PASS INSTALLATION WORKS WITHIN RIVER AREA. -CHECK APPROPRIATE SAFETY EQUIPMENT & ACCESS POINTS. -ASSESS BANK STABILITY / CONDITIONS CONSIDERING ACCESS.
C03	RISK OF FALLS FROM HEIGHT - CHECK ADEQUATE PROVISION OF GUARD RAILS AND ACCESS POINTS.
C04	ACCESS & LIFTING -AGREE AN ACCESS THROUGH THE LAND WITH THE LAND OWNER. -CHECK CRANE PAD HAS BEEN SIGNED-OFF PRIOR TO USE. -STRICTLY OBSERVE LIFTING PLANS.
C05	RISK OF SERVICES STRIKES - FOR SERVICES LOCATION REFER TO DRAWING NR.: 18182-110-C1 by JPG. -CHECK FOR IDENTIFIED / UNIDENTIFIED SERVICES BY REVIEW OF PCI,CATSCAN&GPR SURVEY&MARK-UP PRIOR TO START OF WORKS.
C06	RISK OF COLLAPSE / EROSION OF STONE EMBANKMENT THAT WILL BE NOTCHED. -STABILITY OF THE EMBANKMENT TO BE MAINTAINED DURING AND POST CONSTRUCTION.
C07	RISK OF COLLAPSE / EROSION OF NEARBY BRIDGE STRUCTURE. -WIDTH AND LOAD RESTRICTIONS TO BE CONFIRMED WITH HIGHWAY AUTHORITY PRIOR WORKS COMMENCE.
C08	INTERFACE WITH PUBLIC - PUBLIC FOOTPATH - TEMPORARY CLOSURE WILL BE REQUIRED. - ERECT SECURE HERAS FENCING WITH LOCKABLE GATES AROUND THE SITE COMPOUND AND BANKSIDE WORKING AREA.
C09	INSTALLATION -USE OF TOXIC OR HAZARDOUS CHEMICALS - CEMENTITIOUS PRODUCTS AND OR GROUTS COULD BE HARMFUL TO OPERATIVES & ENVIRONMENT.
C10	DRILLING INTO AND SCABBLING OF CONCRETE -RISK OF OPERATIVES EXPERIENCING HAND ARM VIBRATION.

ENVIRONMENT

E01	POLLUTION OF WATERCOURSE -OBSERVE 'GUIDANCE FOR POLLUTION PREVENTION 2018' -OBSERVE SITE WASTE MANAGEMENT, SITE ENVIRONMENTAL EMERGENCY AND INCIDENT RESPONSE PLANS.
E02	ECOLOGY SURVEY REQUIRED OF PROPOSED ACCESS ROUTE BEFORE WORKS COMMENCE. TO CONFIRM THE PRESENCE OF INVASIVE SPECIES, GROUND NESTING BIRDS, OR ANY OTHER ECOLOGICAL RISK AND APPROPRIATE MITIGATION.

MAINTENANCE / CLEANING

M01	RISK OF TRIPS ON SLIPPERY SURFACE -ACCESS FOR CLEANING DEBRIS FROM THE BANKS.
M02	UNAUTHORISED ACCESS BY THE PUBLIC -PASS OPENED TO BUBLIC

DECOMMISSIONING / DEMOLITION

D01	- EEL PASS CONSTRUCTED IN SITU CONCRETE, CONSISTS OF ROCKS / PEBBLES, EMBEDDED IN CONCRETE BASE.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR, WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT

NOTES:

1. GENERAL:
- Are in millimetres unless otherwise stated.
- Marked thus (*) are approximate.
- All levels are in metres to X Datum.
- Do not scale from this drawing. All dimensions must be checked / verified on site.

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) 8th Edition.

3. CONCRETE
- All concrete to comply with EN 1992-1-1
- RC 35/45.
- Max. 20mm aggregate
- S1 consistency class
- Min. cover to reinforcement = 40mm

To lower carbon footprint natural cement can be used.

4. PEBBLE SUBSTRATE
- The contractor to provide a setting out plan for the replicated formal approach prior to installation for approval.
- The contractor to provide a trial piece (300x300mm), up to 3 iterations, replicated pebble mix for approval prior to installation.
- Pebbles moistened and set out as per the drawing details. adjustments to the thickness of concrete made as necessary to accommodate the volume displacement of the pebbles.
- Pebbles should generally be embedded into the mass concrete by 30-50% of their height to ensure adequate socket strength.
- Areas that have been completed should be kept moist until fully set (min. 3 days) and protected from the elements and extreme temperature changes by plastic sheeting or other methods.

5. BOLTS:
- All stainless steel fasteners to be to BS EN ISO 3506 (Part 1 bolts, screws & nuts and Part 2 nuts).
- All fasteners to be stainless steel A4 (316) through bolts, M8 (in 9mm dia holes) ***u.n.o.***

Rev.	Date	Description	Auth.	Chkd.	Appr.
P02	21.05.25	Stoke Brook ref updated	FED	DG	DG
P01	31.03.25	Detailed Design - First issue	JSC	ML	DG

Status: Detailed Design

Original Size: A1

Signatures: Authored J.Czyrw; Checked M.Lakin; Approved D.Griffiths

Scale: As Shown

Client: South Gloucestershire Council

Designer: FISHTEK

Project: Three Brooks Weirs Eel Passes Stoke Brook

Title: Eel Pass General Arrangement

Drawing No.	Project No.	Revision
301	3540333	P02

PD04_A1