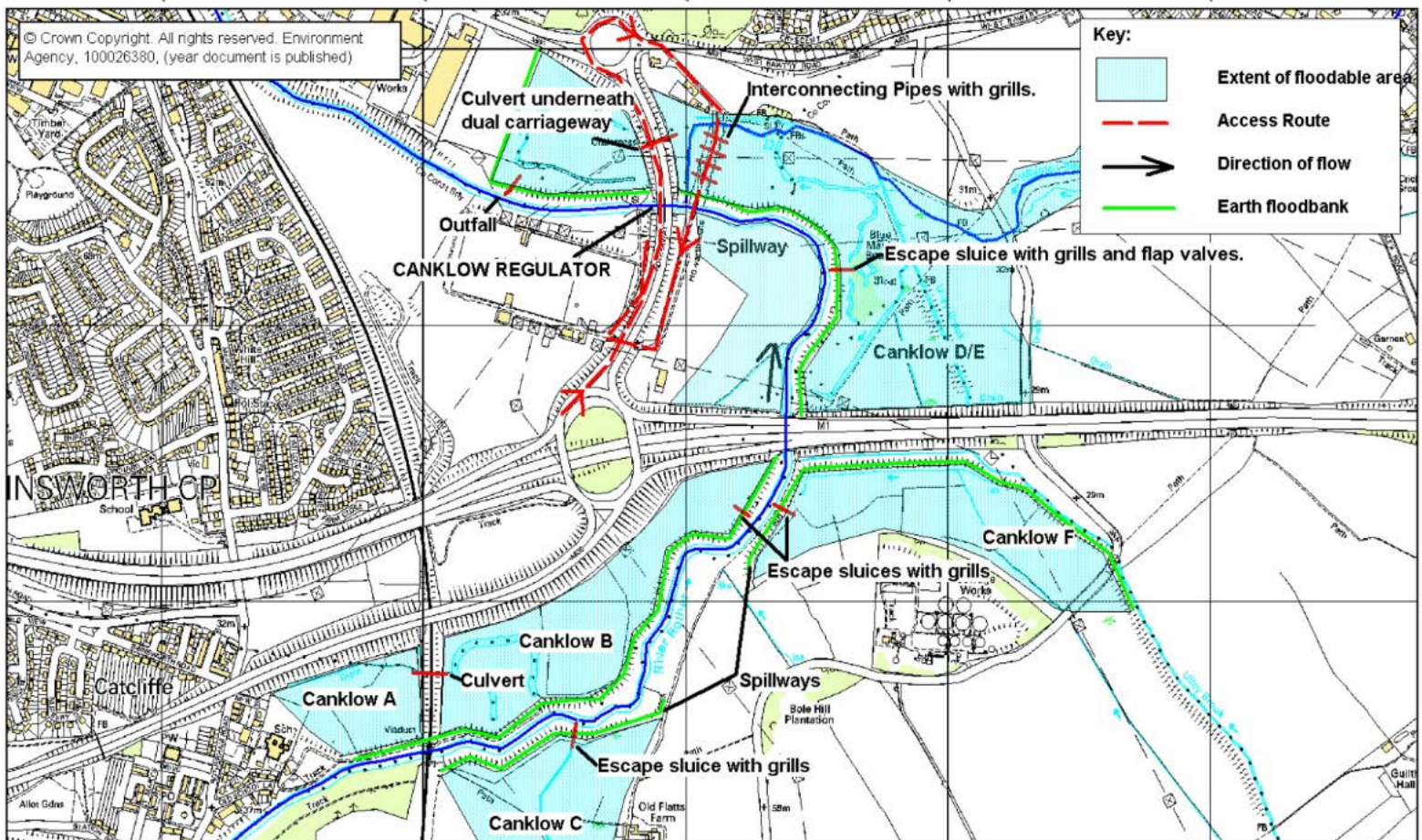
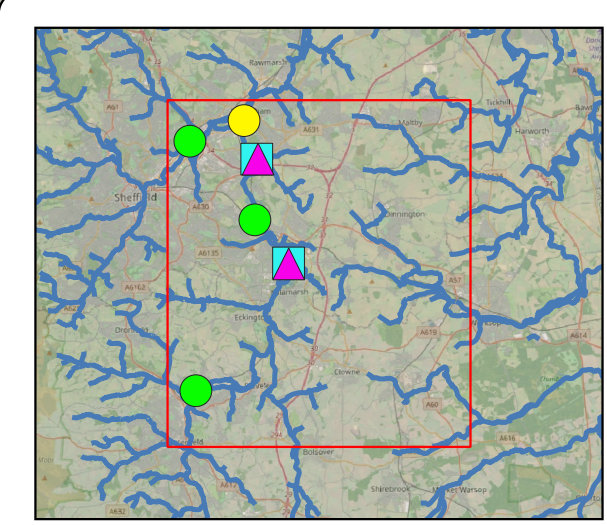
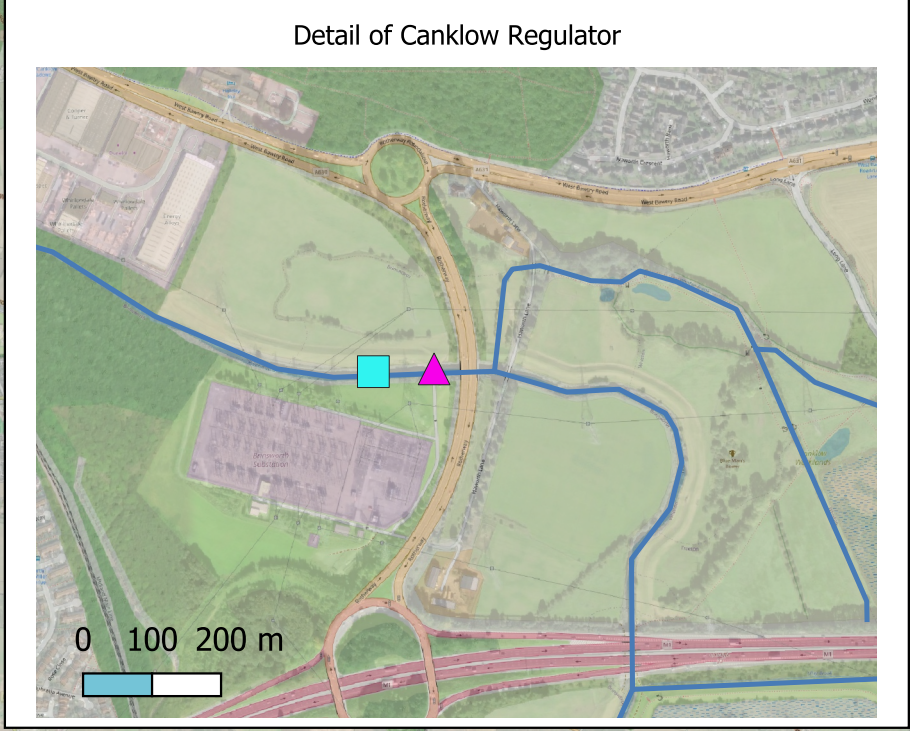
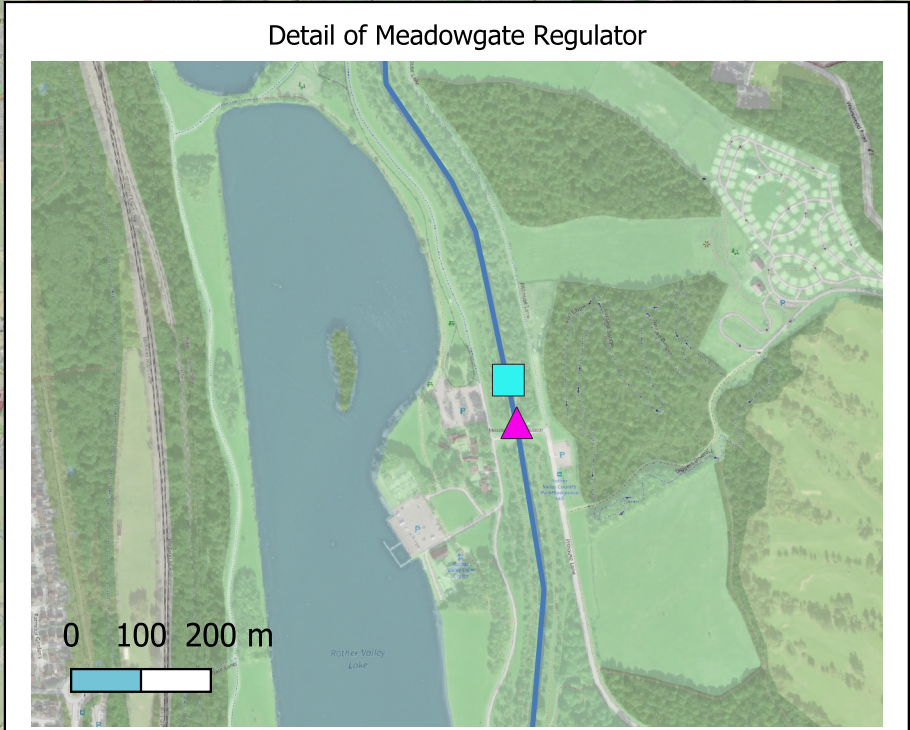
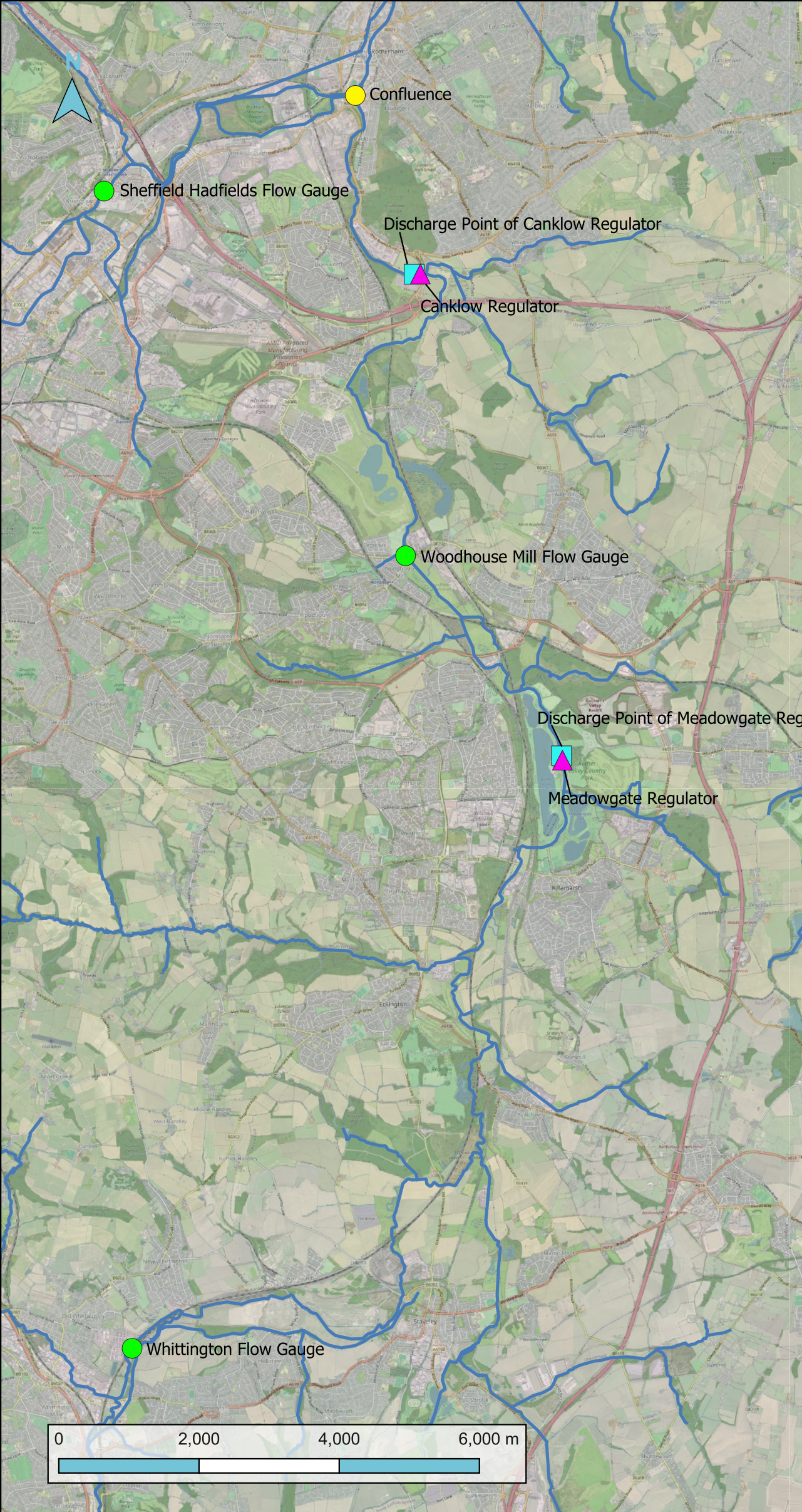


Figure 9-1 Canklow Regulator Location Plan







ENVIMNE790514-JBAB-00-00-DR-Z-1100-Plan\_Drawing\_Regulators\_&\_Flow\_Gauges

Plan of Don Regulators Points of Interest

**Legend**

- Confluence of River Rother and Don
- ▲ Regulator Gates
- Points of Discharge
- Flow Gauge Control Points
- Watercourses

**Drawn By:** SC    **Date:** 18/10/2023  
**Checked By:** EG    **Date:** 19/10/2023  
**Approved By:** ET    **Date:** 19/10/2023  
**Status:** S1    **Revision:** P01

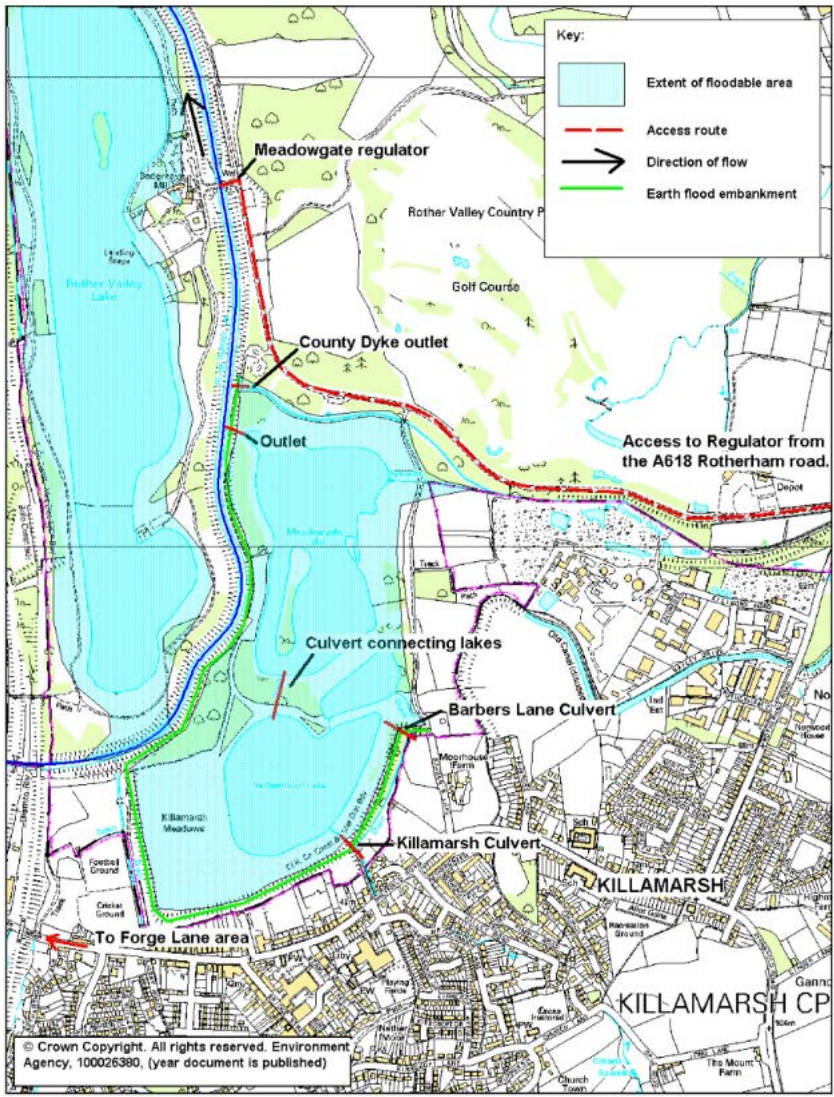
**Figure Title:** Plan Drawing  
**File Name:** ENVIMNE790514-JBAB-00-00-DR-Z-1100-Plan\_Drawing\_Regulators\_&\_Flow\_Gauges

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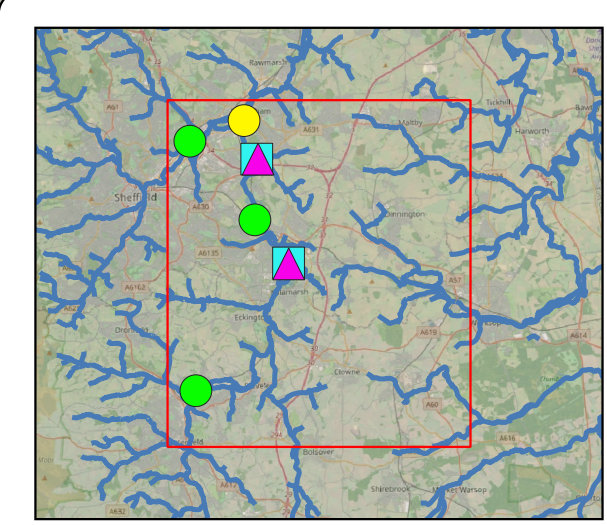
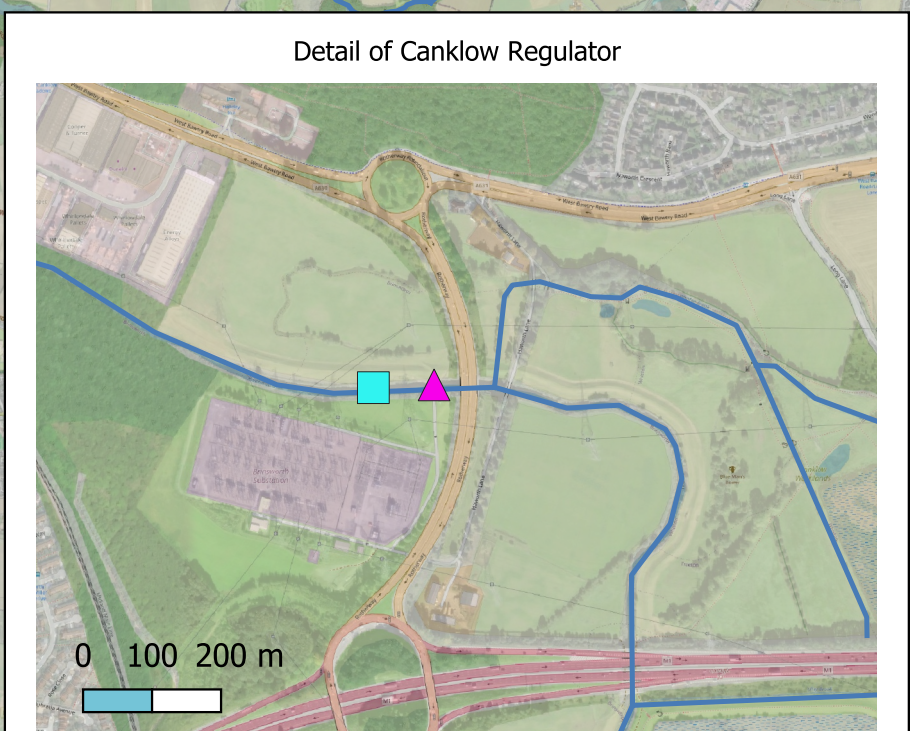
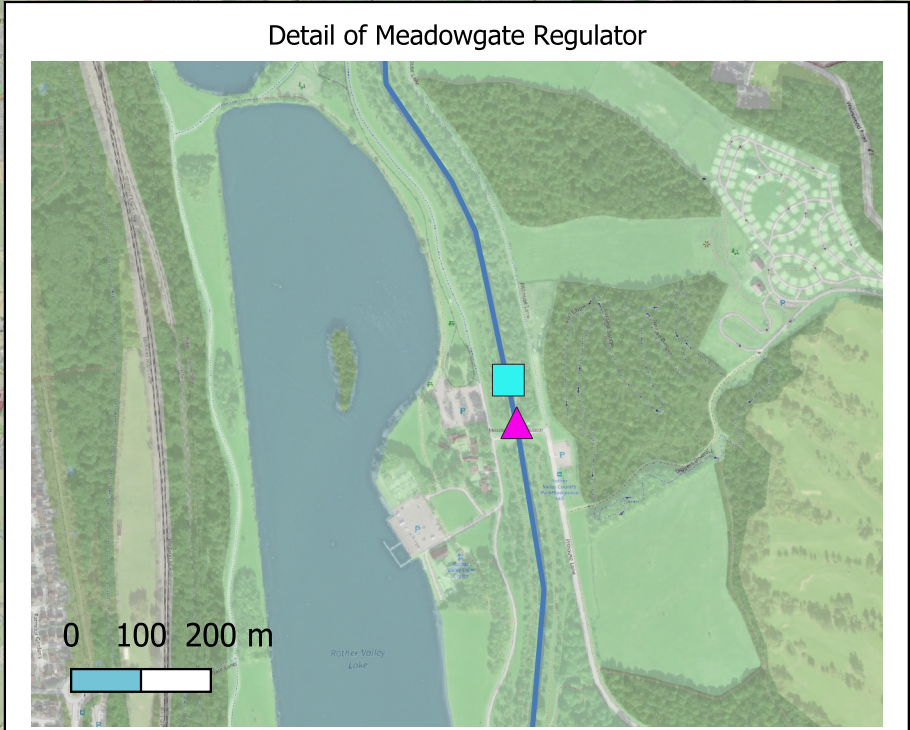
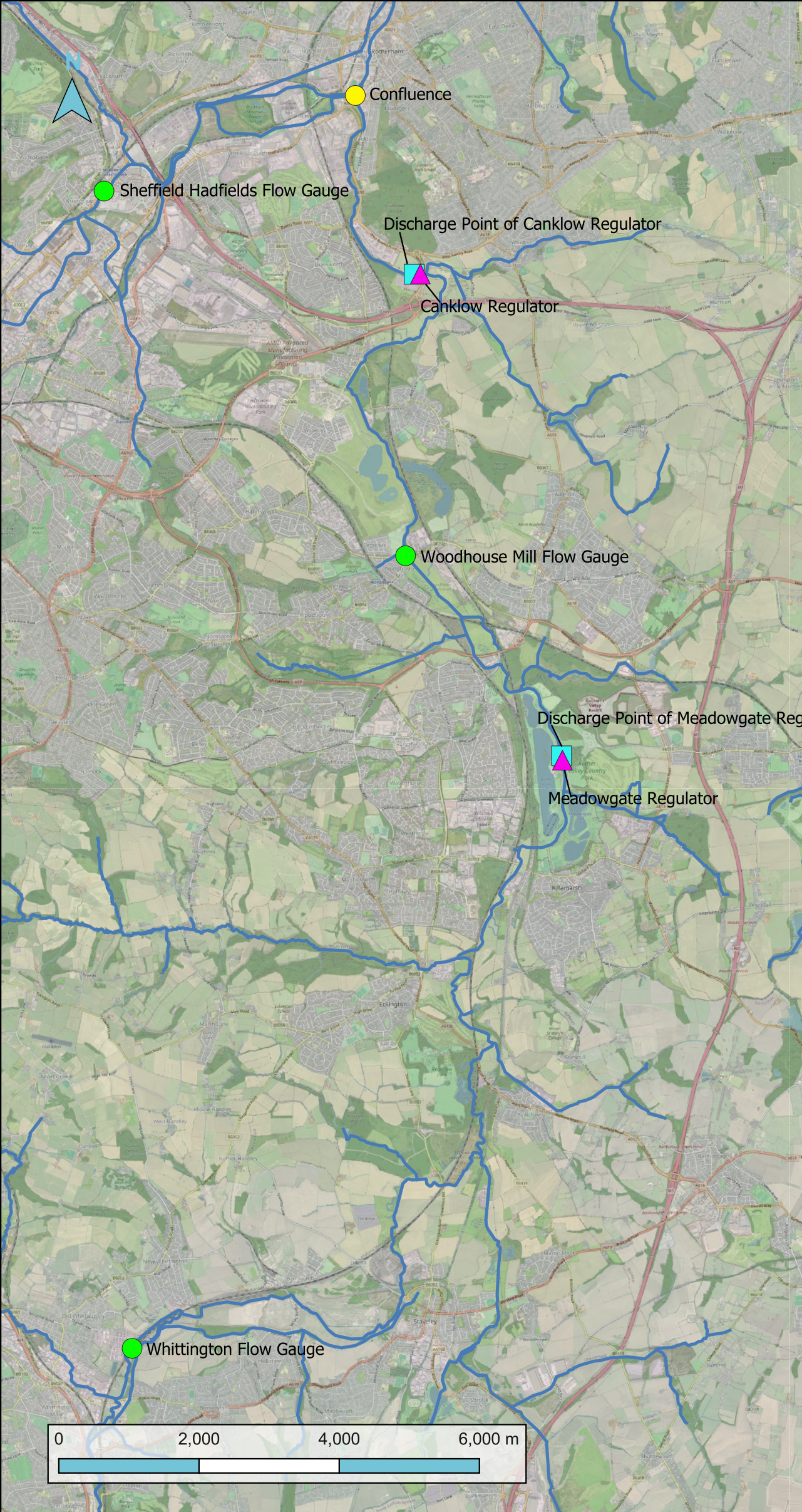




Figure 9-4 Meadowgate Regulator Location Plan







ENVIMNE790514-JBAB-00-00-DR-Z-1100-Plan\_Drawing\_Regulators\_&\_Flow\_Gauges

Plan of Don Regulators Points of Interest

**Legend**

- Confluence of River Rother and Don
- ▲ Regulator Gates
- Points of Discharge
- Flow Gauge Control Points
- Watercourses

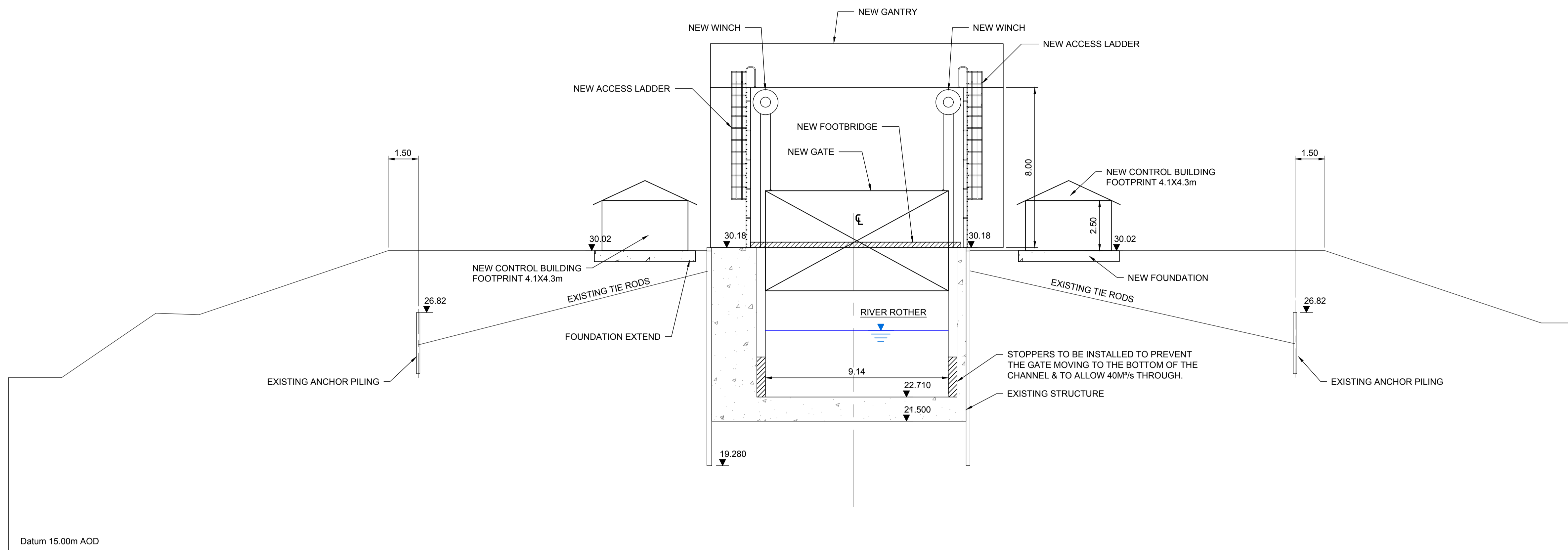
**Drawn By:** SC    **Date:** 18/10/2023  
**Checked By:** EG    **Date:** 19/10/2023  
**Approved By:** ET    **Date:** 19/10/2023  
**Status:** S1    **Revision:** P01

**Figure Title:** Plan Drawing  
**File Name:** ENVIMNE790514-JBAB-00-00-DR-Z-1100-Plan\_Drawing\_Regulators\_&\_Flow\_Gauges

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**PROPOSED SECTION (LOOKING UPSTREAM)**  
 SCALE 1:125 @ A1  
 SCALE 1:250 @ A3

**GENERAL NOTES**

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**BASED ON HISTORICAL DRAWING  
DO NOT SCALE**

Rev.	Description	Date	DP Drawn	AP Designed	SC Checked	SC Approved
C01	First issue	18/07/19				

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Project: **Don Regulators Outline Business Case**

Title: **Don Regulatory Structures  
Canlow  
Section**

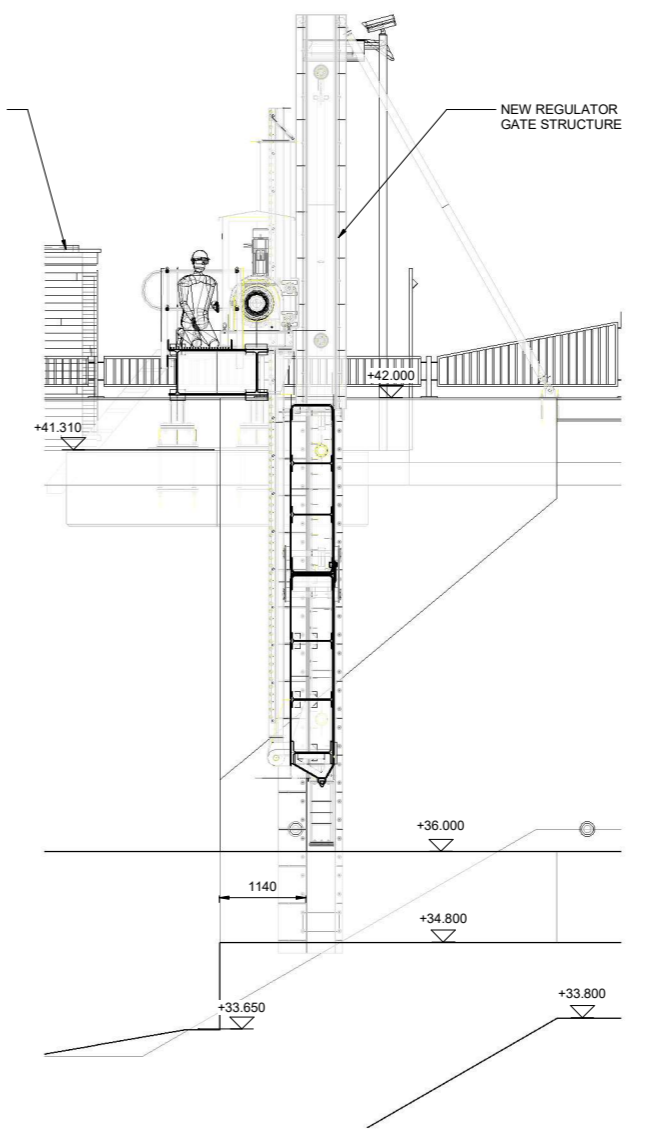
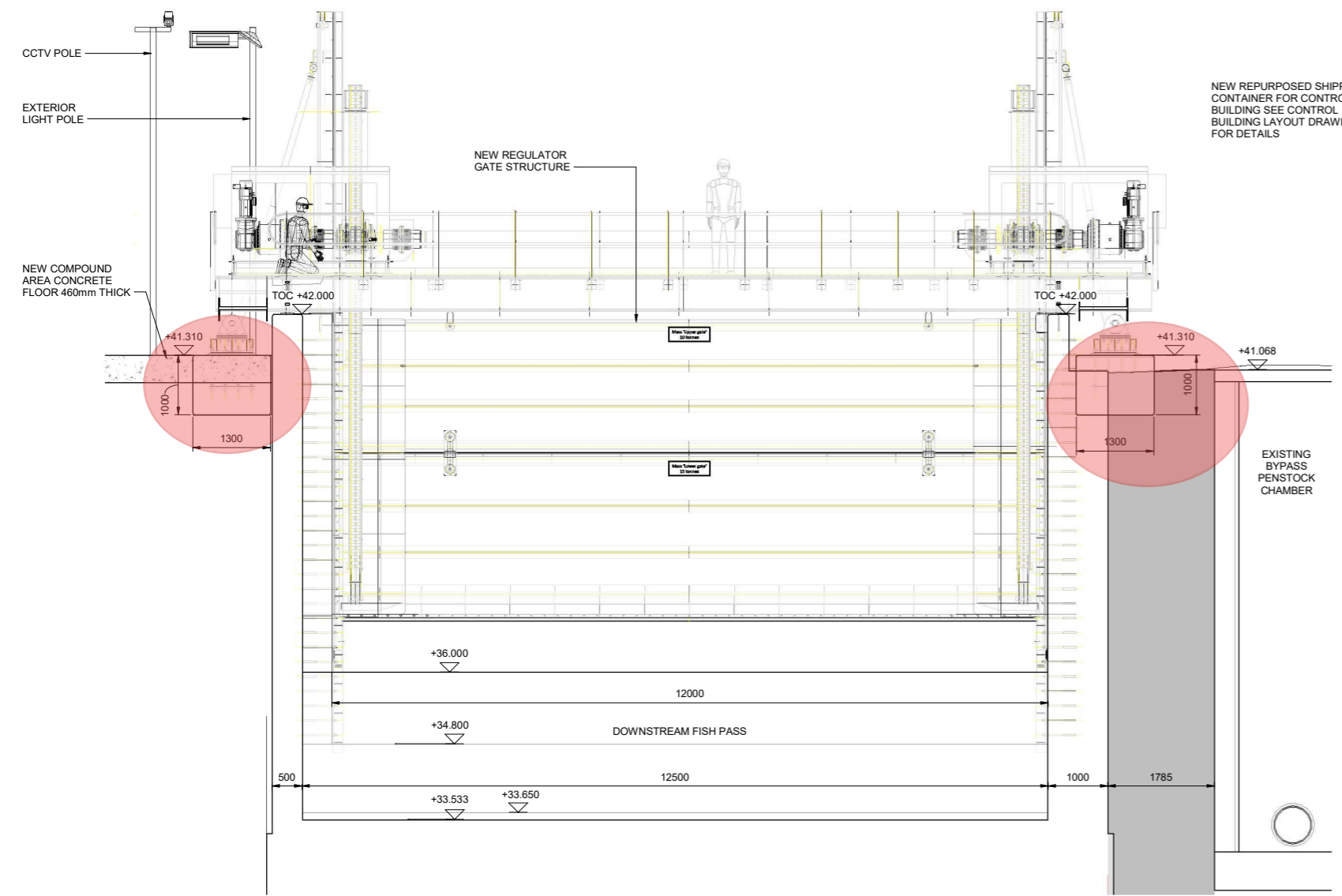
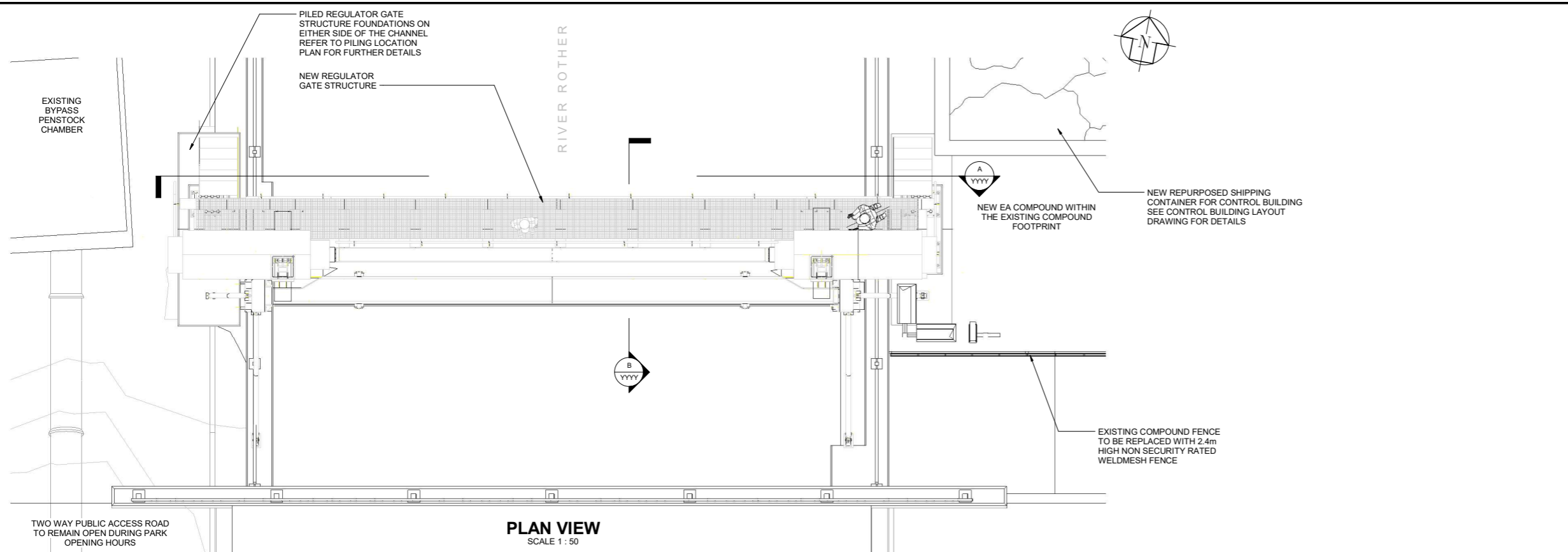
Client:  **Environment Agency**

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Drawn: D PSTRAGOWSKA	19/06/19	Designed: A POLLARD	25/06/19
Checked: S CROPLEY	18/07/19	Approved: S CROPLEY	18/07/19
Project Reference: 2019s0350	Scale: 1:1000 @ A1		
Drawing Number: IMNE790514-JBAB-00-3_02-DR-C-1200	Status: A2	Revision: C01	Sheet Size: A1

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  2. ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN (mAOD) UNLESS NOTED OTHERWISE.
  3. ALL COORDINATES ARE IN METRES RELATIVE TO ORDNANCE SURVEY NATIONAL GRID.
  4. DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
  5. JNB CONSTRUCTION COMPOUND TO BE LOCATED IN PARK OVERFLOW CAR PARK ADJACENT TO THE CONSTRUCTION AREA.
  6. FOR EXISTING SERVICES REFER TO JBAB-00-4\_03-DR-C-0001-Meadowgate\_Hazard\_Plan

P01	FIRST ISSUE	05/01/22	PE			
Rev.	Description	Date	Author	Designer	Checker	Approver

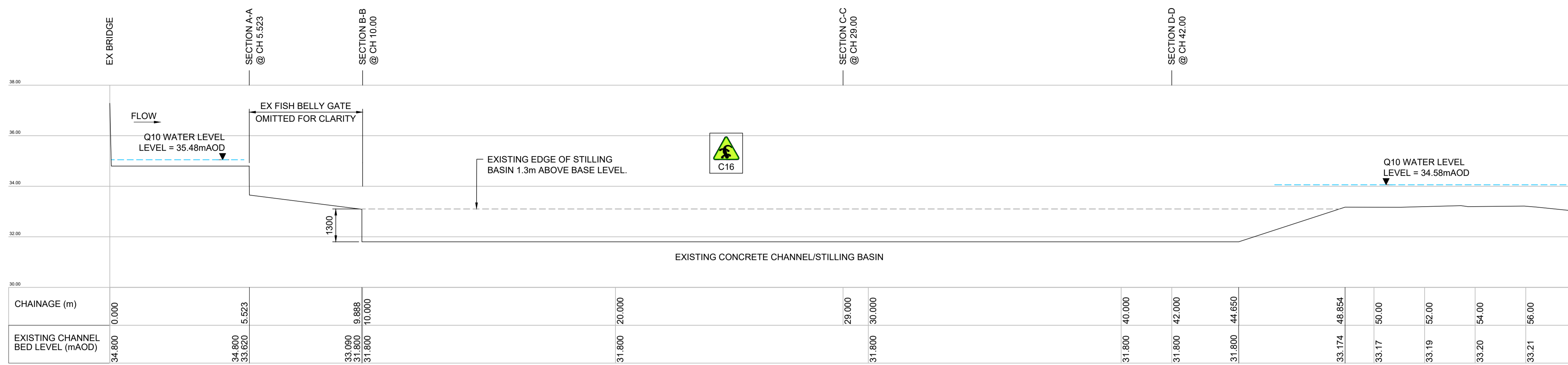
Project Title  
**MEADOWGATE DON REGULATOR  
ROTHER VALLEY PARK**

Drawing Title  
**NEW REGULATOR GATE ARRANGEMENT**

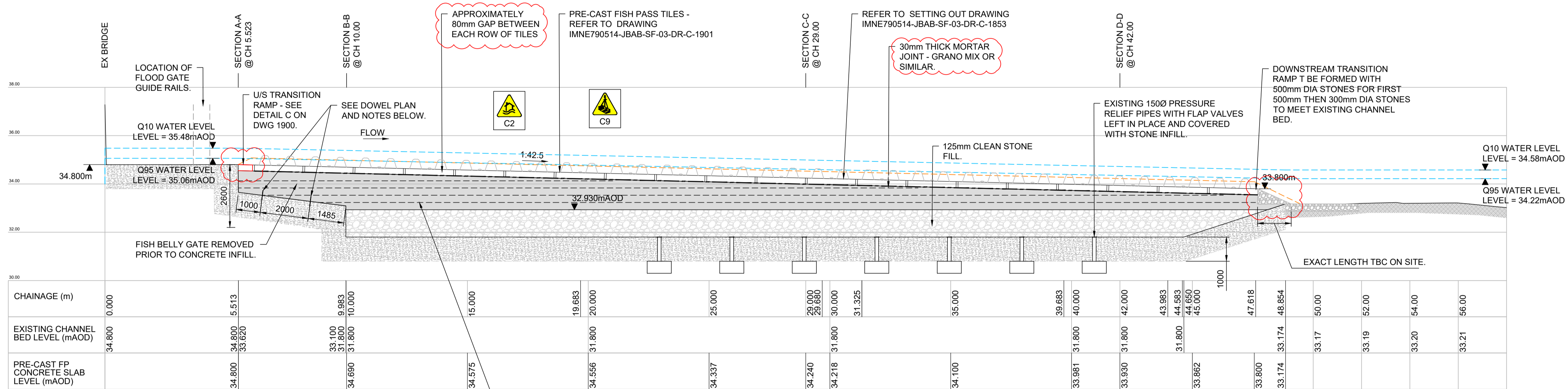


Security Classification <b>OFFICIAL</b>		Scale	
Author <b>P.ETHERINGTON</b>	Designer <b>Designer</b>	Checker <b>Checker</b>	Approver <b>Approver</b>
Suitability <b>WORK IN PROGRESS</b>		Status <b>S0</b>	Revision <b>P01</b>
Information Contain IMNE790514-JBAB-ZZ-4_03-DR-C-YYYY			



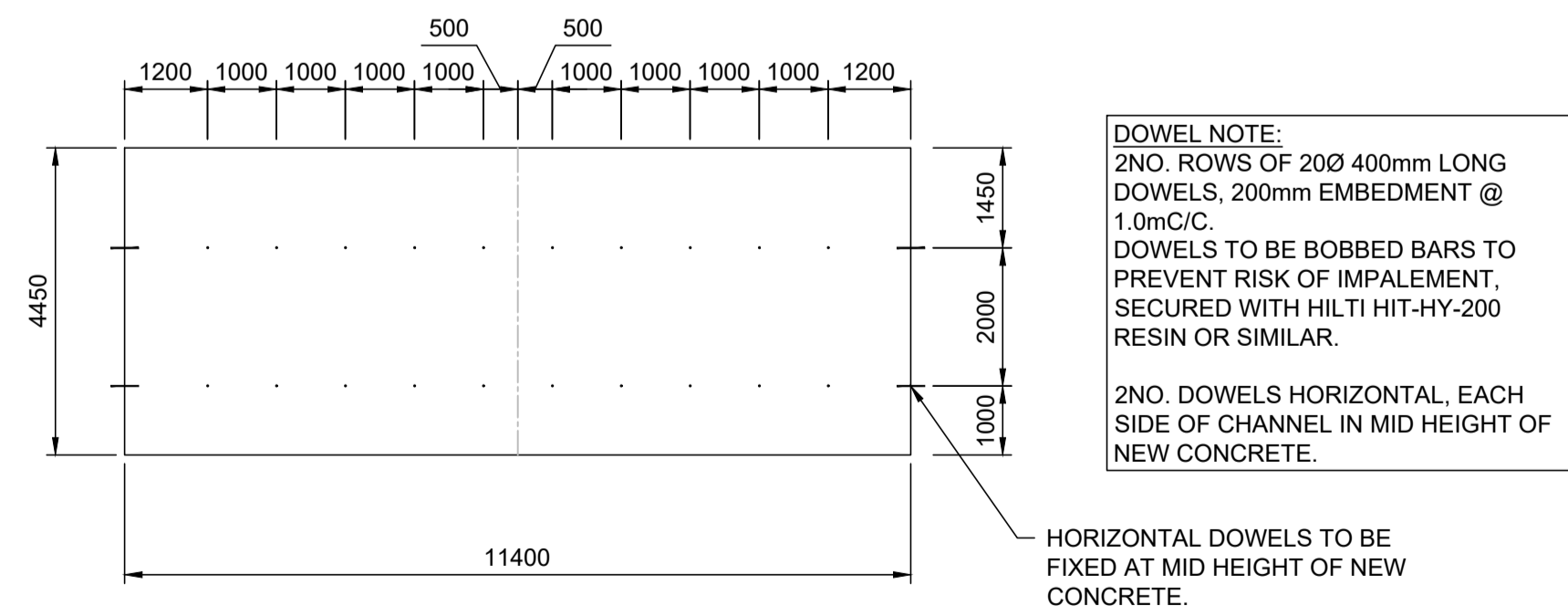


SECTION E-E - LONG SECTION ALONG CENTRE LINE OF EXISTING CHANNEL  
SCALE = 1:100



SECTION E-E - LONG SECTION ALONG CENTRELINE OF PROPOSED V-CHANNEL  
SCALE = 1:100

MASS FILL CONCRETE TO BE POURED IN MINIMUM 300mm LAYERS. 300mm LONG H12 DOWEL BARS (150mm EMBEDMENT IN EACH LAYER) TO BE CAST INTO EACH SECTION TO PROVIDE CONTINUITY BETWEEN MASS FILL LAYERS. DOWELS TO BE PLACED ON 1m SQUARE GRID. SUBCONTRACTOR CAN USE MORE OR BIGGER/LONGER DOWELS IF REQUESTED. DOWELS TO BE BOBBED BARS TO REMOVE RISK OF IMPALEMENT.



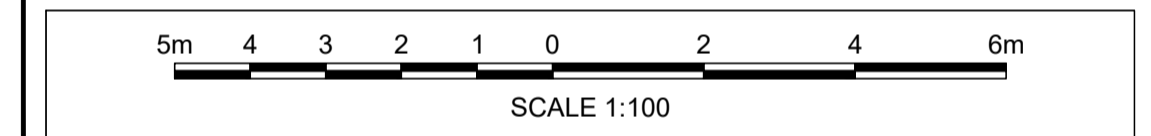
DOWELS BETWEEN MASS FILL AND EXISTING STRUCTURE PLAN - CHAINAGE 5.523 TO 9.983  
SCALE = 1:100

Safety, Health and Environment information	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant risks	
Construction	
C2	Regulators cannot function as designed. Risk of flooding to properties if high flows occur during this period.
C9	Lifting operations. Fish tiles weigh 4 tonnes each. To be lifted using the lifting eyes provided and following the lift plan.
C16	Potential for signal crayfish in the river Rother. If found contact Ecologist.
C19	Risk of spills or escape of concrete in channel causing river pollution. Undertake pours in dry working area and check weather forecast for rain and river levels prior to pouring.
Inspection/maintenance	
Decommissioning / Demolition	

- GENERAL NOTES
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
  - ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN (mAO) UNLESS NOTED OTHERWISE.
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  - THE ELECTRONIC VERSION OF THIS DRAWING IS NOT TO BE USED FOR SETTING OUT

DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS:  
 IMNE790514-JBAB-SF-03-DR-C-1700-FISH\_PASS\_GENERAL\_ARRANGEMENT\_PLAN  
 IMNE790514-JBAB-SF-03-DR-C-1851-FISH\_PASS\_CROSS\_SECTIONS  
 IMNE790514-JBAB-SF-03-DR-C-1900-FISH\_PASS\_CONSTRUCTION\_DETAILS  
 IMNE790514-JBAB-SF-03-DR-C-1600-FISH\_PASS\_ACCESS\_PLAN  
 IMNE790514-JBAB-SF-03-DR-Z-0038-KEY\_HAZARDS\_PLAN  
 IMNE790514-JBAB-SF-4-03-DR-C-1853-FISH\_PASS\_SOPs  
 IMNE790514-JBAB-SF-03-DR-C-1901-FISH\_PASS\_TILE\_FABRICATION\_DRAWING

ABBREVIATIONS:  
 ToC = TOP OF CONCRETE  
 LE = LIFTING EYE  
 DH = DOWEL HOLE  
 PR = PRESSURE RELIEF HOLE



Rev.	Description	Date	Author	Designer	Checker	Approver
CO2.1	TOP TRANSITION RAMP REVISED	11.07.23	AB	ET	ET	CT
CO1.1	FOR CONSTRUCTION	07.06.23	AB	DP	ET	CT
PO1.4	MAIN SLOPE GRADIENT AMENDED	30.03.23	AB	AB	DR	CT
PO1.3	PRESSURE RELIEF PIPES ADDED	09.12.22	AB	AB	DR	CT
PO1.2	FILL MATERIAL CHANGE	25.11.22	AB	AB		
PO1.1	PRELIMINARY DESIGN STAGE	20.10.22	AB	AB		

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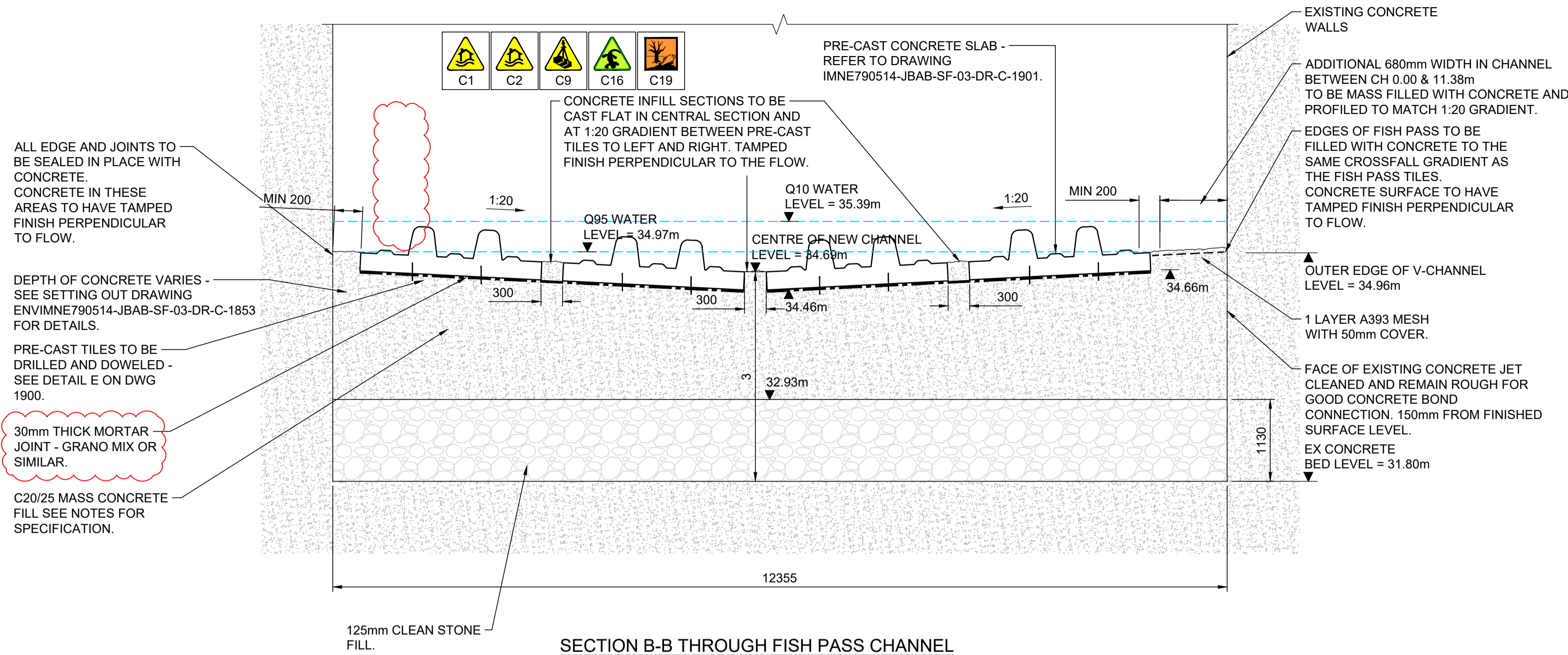
Project Title: **DON REGULATORS - MEADOWGATE**

Drawing Title: **MEADOWGATE FISH PASS LONG SECTIONS**

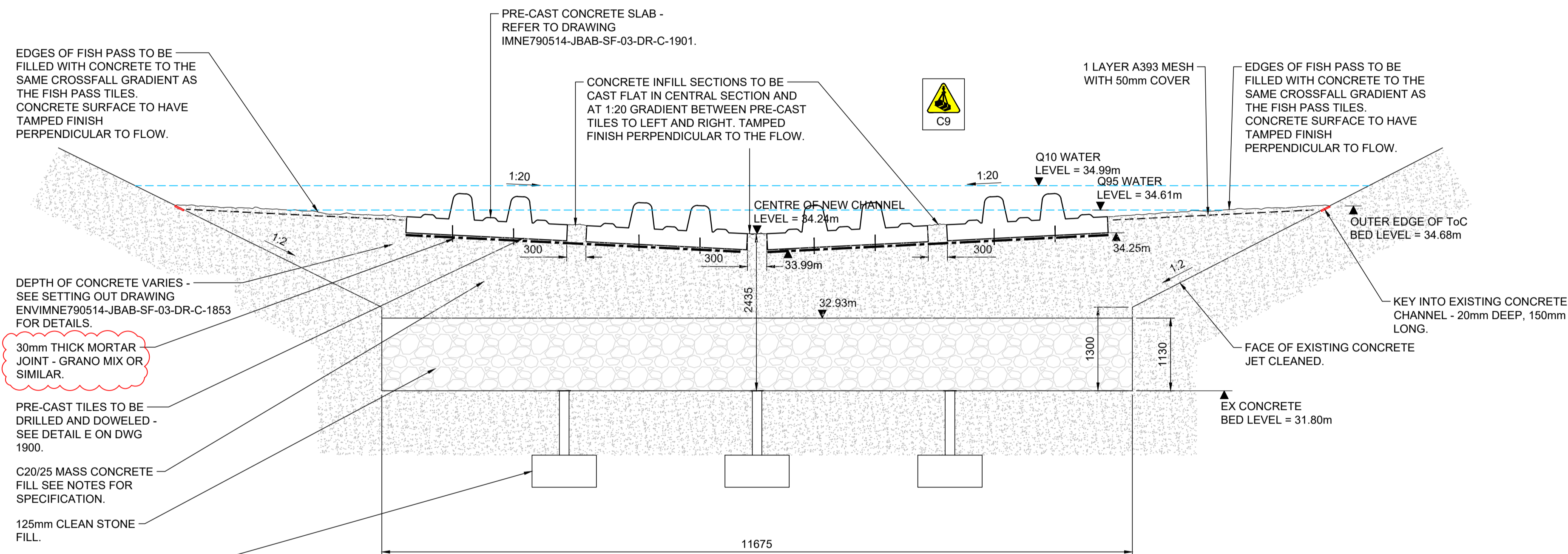


Parent Model: NOT FROM MODEL		Scale: 1:100 @ A1	
Security Classification: OFFICIAL		Information Container: A1 Sheet Size	
Author: ADAM BRANSTON	Designer: ADAM BRANSTON	Checker: DAN RANSON	Approver: CHRIS THORNTON
Suitability: PUBLISHED BUILD & COMMISSION		Status: A4	Revision: C01
Information Container: ENVIMNE790514-JBAB-SF-03-DR-C-1850			

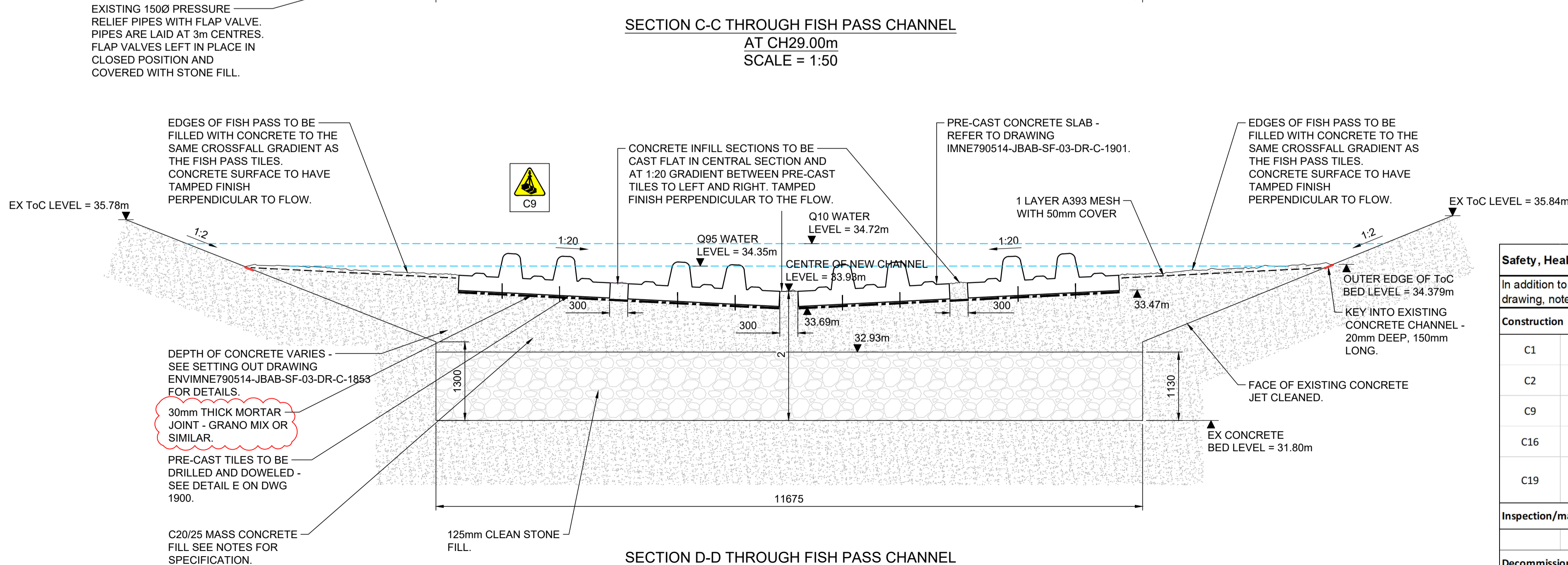




SECTION B-B THROUGH FISH PASS CHANNEL  
LEVELS SHOWN @ CH10.00m  
SCALE = 1:50



SECTION C-C THROUGH FISH PASS CHANNEL  
AT CH29.00m  
SCALE = 1:50



SECTION D-D THROUGH FISH PASS CHANNEL  
AT CH42.00m  
SCALE = 1:50

LEVELS SHOWN ARE SUBJECT TO CONSTRUCTION TOLERANCES:

- TILE PLACEMENT ±50mm
- CHANNEL FALL 2%
- INFILL SECTIONS ±25mm

GENERAL NOTES

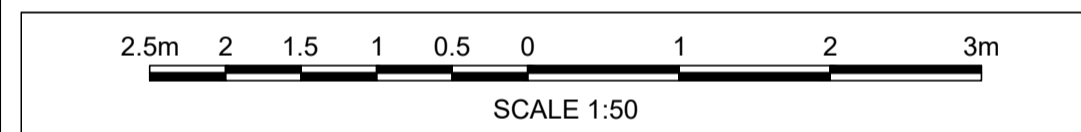
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN (mAOD) UNLESS NOTED OTHERWISE.
- ALL COORDINATES ARE IN METRES RELATIVE TO ORDNANCE SURVEY NATIONAL GRID.
- DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE DESIGNER IMMEDIATELY.
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- FOR HAZARDS AND CONSTRAINTS, SERVICE LOCATIONS AND SHEW BOXES, REFER TO DRAWING IMNE790514-JBAB-SF-03-DR-Z-0038.
- CONCRETE SPECIFICATION FOR MASS FILL: C20/25 LOW CARBON CONCRETE. MIX TO BE AGREED WITH DESIGNER ONCE ENQUIRIES HAVE BEEN RECEIVED.

DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS:

- IMNE790514-JBAB-SF-03-DR-C-1700-FISH\_PASS\_GENERAL\_ARRANGEMENT\_PLAN
- IMNE790514-JBAB-SF-03-DR-C-1850-FISH\_PASS\_LONG\_SECTIONS
- IMNE790514-JBAB-SF-03-DR-C-1900-FISH\_PASS\_CONSTRUCTION\_DETAILS
- IMNE790514-JBAB-SF-03-DR-C-1600-FISH\_PASS\_ACCESS\_PLAN
- IMNE790514-JBAB-SF-03-DR-Z-0038-KEY\_HAZARDS\_PLAN
- IMNE790514-JBAB-SF-4\_03-DR-C-1853-FISH\_PASS\_SOPs
- IMNE790514-JBAB-SF-03-DR-C-1901-FISH\_PASS\_TILE\_FABRICATION\_DRAWING

ABBREVIATIONS:

- ToC = TOP OF CONCRETE
- LE = LIFTING EYE
- DH = DOWEL HOLE
- PR = PRESSURE RELIEF HOLE



Rev.	Description	Date	Author	Designer	Checker	Approver
CO2.1	MORTAR SPEC REVISED	11.07.23	AB	ET	ET	CT
CO1	FOR CONSTRUCTION	07.06.23	AB	DP	ET	CT
P01.3	AMENDED TO REFLECT EXISTING CONCRETE PROFILE & CONCRETE FILL LEVELS	30.03.23	AB	AB	DR	CT
P01.2	FILL MATERIAL CHANGE	25.11.22	AB	AB	DR	CT
P01.1	PRELIMINARY DESIGN STAGE	20.10.22	AB	AB		

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Project Title: **DON REGULATORS - MEADOWGATE**

Drawing Title: **MEADOWGATE FISH PASS CROSS SECTIONS**



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 Parent Model: **NOT FROM MODEL**

Security Classification: **OFFICIAL**  
 Scale: **1:50 @ A1**

Author: **ADAM BRANSTON** Designer: **ADAM BRANSTON** Checker: **DAN RANSOM** Approver: **CHRIS THORNTON**

Suitability: **PUBLISHED BUILD & COMMISSION** Status: **A4** Revision: **C01**

Information Container: **IMNE790514-JBAB-SF-03-DR-C-1851** A1 Sheet Size

Safety, Health and Environment information

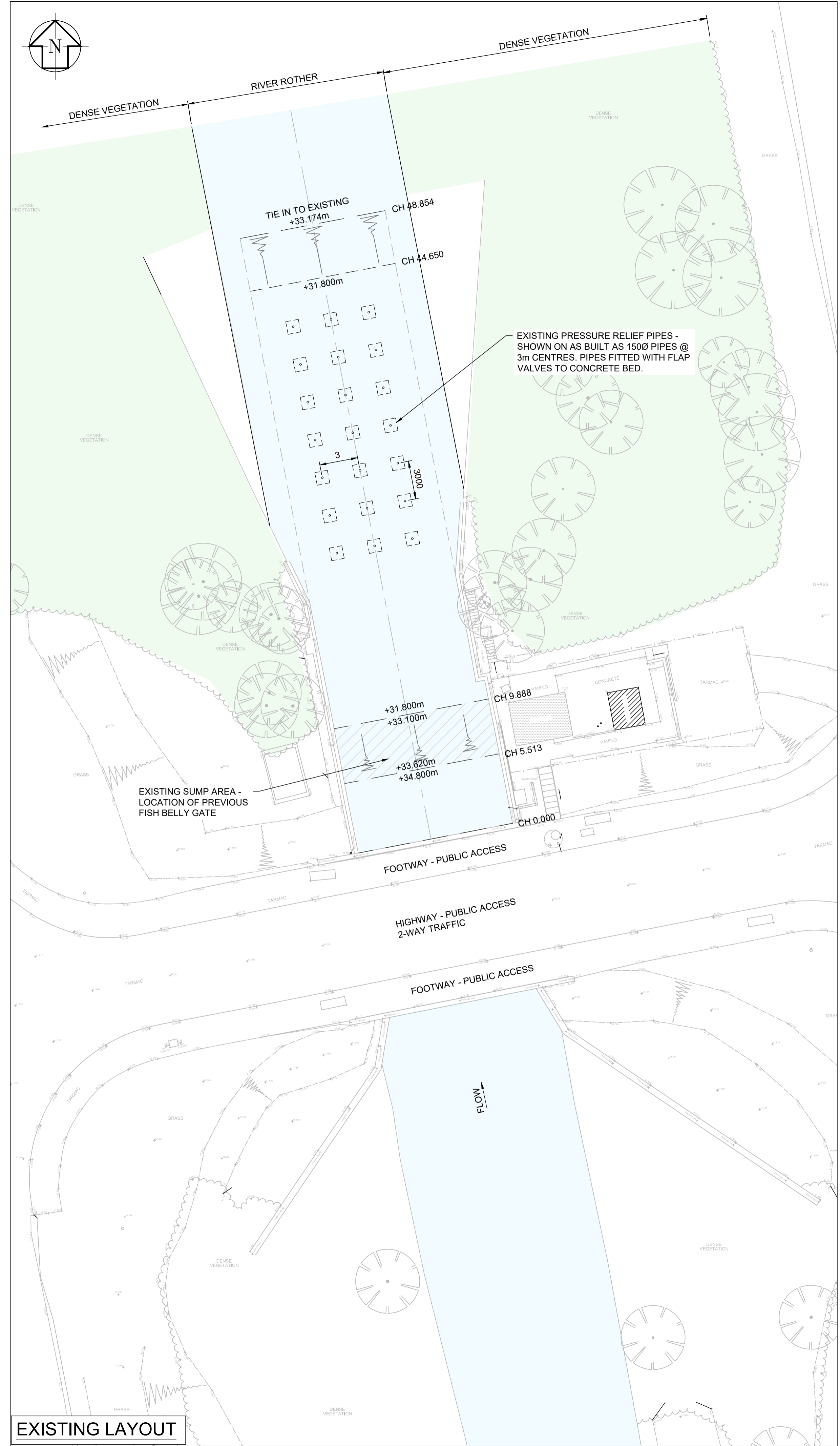
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant risks

Code	Description	Risk
C1	[Warning Icon]	Risk of drowning if dam overtops or fails. Follow River Level Monitoring Plan to determine if works in channel should be undertaken.
C2	[Warning Icon]	Regulators cannot function as designed. Risk of flooding to properties if high flows occur during this period.
C9	[Warning Icon]	Lifting operations. Fish tiles weigh 4 tonnes each. To be lifted using the lifting eyes provided and following the lift plan.
C16	[Warning Icon]	Potential for signal crayfish in the river Rother. If found contact Ecologist.
C19	[Warning Icon]	Risk of spills or escape of concrete in channel causing river pollution. Undertake pours in dry working area and check weather forecast for rain and river levels prior to pouring.

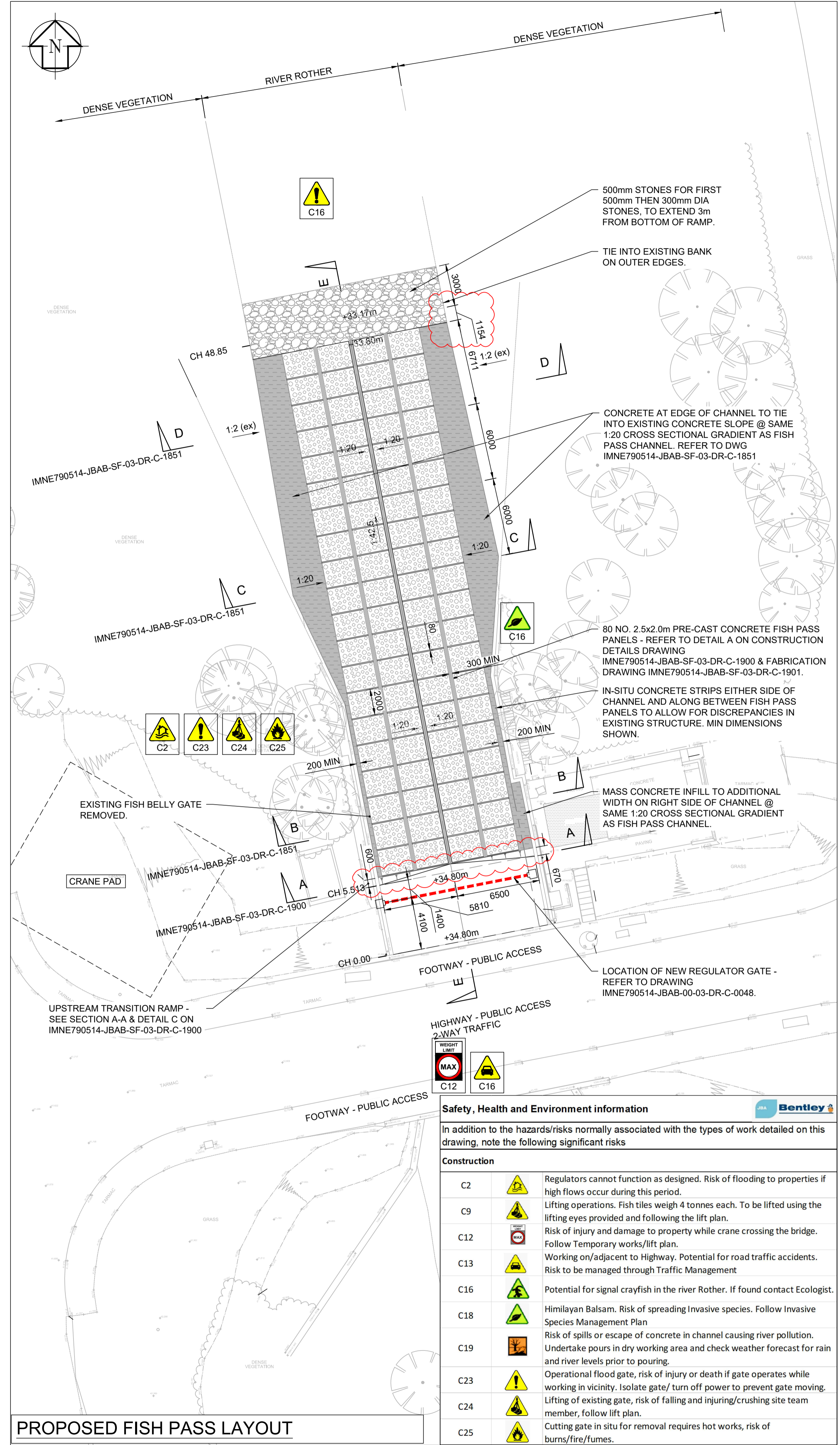
Inspection/maintenance

Decommissioning / Demolition





EXISTING LAYOUT



PROPOSED FISH PASS LAYOUT

- GENERAL NOTES
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
  - ALL LEVELS ARE IN METRES RELATIVE TO ORDINANCE DATUM NEWLYN (mAD) UNLESS NOTED OTHERWISE.
  - ALL COORDINATES ARE IN METRES RELATIVE TO ORDINANCE SURVEY NATIONAL GRID.
  - DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
  - ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE DESIGNER IMMEDIATELY.
  - THE ELECTRONIC VERSION OF THIS DRAWING IS NOT TO BE USED FOR SETTING OUT.
  - SERVICES NOT SHOWN ON THIS DRAWING FOR HAZARDS AND CONSTRAINTS, SERVICE LOCATIONS AND SHEW BOXES, REFER TO DRAWING ENVIMNE790514-JBAB-00-03-DR-Z-0038.
  - ALL VEGETATION CLEARANCE SHOULD BE REPLACED WITH A 1 TO 5 PROPORTION FOLLOWING COMPLETION OF WORKS.
  - TOLERANCE FOR THE TILES PLACEMENT IS  $\pm 50$ mm, FOR CHANNEL FALL 2%, FOR PRECAST UPSTAND LOCATION  $\pm 25$ mm.

DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS:

IMNE790514-JBAB-SF-03-DR-C-1850-FISH\_PASS\_LONG\_SECTIONS  
 IMNE790514-JBAB-SF-03-DR-C-1851-FISH\_PASS\_CROSS\_SECTIONS  
 IMNE790514-JBAB-SF-03-DR-C-1900-FISH\_PASS\_CONSTRUCTION\_DETAILS  
 IMNE790514-JBAB-SF-03-DR-C-1600-FISH\_PASS\_ACCESS\_PLAN  
 IMNE790514-JBAB-SF-03-DR-Z-0038-KEY\_HAZARDS\_PLAN  
 IMNE790514-JBAB-SF-4\_03-DR-C-1853-FISH\_PASS\_SOPs  
 IMNE790514-JBAB-SF-03-DR-C-1901-FISH\_PASS\_TILE\_FABRICATION\_DRAWING

UTILITY SERVICES INVESTIGATION GAUGE TO PAS 128

	TYPE D: DESK STUDY
	TYPE C: DESK STUDY AND SITE RECONNAISSANCE
	TYPE B: DESK STUDY WITH SITE RECON AND UTILITY DETECTION SURVEY
	TYPE A: DESK STUDY WITH SITE RECON, UTILITY DETECTION SURVEY & TRIAL HOLES

TYPE D	TYPE C	TYPE B	TYPE A
		01.11.20	

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10m 8 6 4 2 0 5 10 15m  
SCALE 1:200

Rev.	Description	Date	Author	Designer	Checker	Approver
C02.1	TOP TRANSITION RAMP POSITION REVISED TO START AT EDGE OF EX CONC APRON	12.07.23	AB	ET	ET	CT
C01.1	FOR CONSTRUCTION	07.06.23	AB	DP	ET	CT
P01.3	MAIN SLOPE GRADIENT AMENDED	30.03.23	AB	AB	DR	CT
P01.2	MINOR AMENDMENTS	25.11.22	AB	AB	DR	CT
P01.1	PRELIMINARY DESIGN STAGE	20.10.22	AB	AB		

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Project Title

**DON REGULATORS - MEADOWGATE**

Drawing Title

**MEADOWGATE FISH PASS GENERAL ARRANGEMENT**



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Parent Model  
**NOT FROM MODEL**

Security Classification <b>OFFICIAL</b>	Scale <b>1:200 @ A1</b>
Author <b>ADAM BRANSTON</b>	Designer <b>ADAM BRANSTON</b>
Checker <b>DAN RANSOM</b>	Approver <b>CHRIS THORNTON</b>
Suitability <b>PUBLISHED BUILD &amp; COMMISSION</b>	Status <b>A4</b>
Information Container <b>IMNE790514-JBAB-SF-03-DR-C-1700</b>	Revision <b>C01</b>

A1 Sheet Size

Safety, Health and Environment information

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant risks

Construction	Risk
C2	Regulators cannot function as designed. Risk of flooding to properties if high flows occur during this period.
C9	Lifting operations. Fish tiles weigh 4 tonnes each. To be lifted using the lifting eyes provided and following the lift plan.
C12	Risk of injury and damage to property while crane crossing the bridge. Follow Temporary works/lift plan.
C13	Working on/adjacent to Highway. Potential for road traffic accidents. Risk to be managed through Traffic Management
C16	Potential for signal crayfish in the river Rother. If found contact Ecologist.
C18	Himalayan Balsam. Risk of spreading Invasive species. Follow Invasive Species Management Plan
C19	Risk of spills or escape of concrete in channel causing river pollution. Undertake pours in dry working area and check weather forecast for rain and river levels prior to pouring.
C23	Operational flood gate, risk of injury or death if gate operates while working in vicinity. Isolate gate/ turn off power to prevent gate moving.
C24	Lifting of existing gate, risk of falling and injuring/crushing site team member, follow lift plan.
C25	Cutting gate in situ for removal requires hot works, risk of burns/fire/fumes.