

Location Diagram
(Scale 1:2500)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

CONSTRUCTION

The level that the bridge piers and abutments are founded at are unknown. The Contractor shall carry out investigations to establish the foundation level prior to excavation using machines and shall obey the limitation on the length of exposed foundation at any one time.

There is an overhead cable approximately at the location indicated. The cable height is unknown.

A section of river bank on the Northern side suffered a slip (location indicated). The Contractor should avoid overloading the area of ground directly above the Northern river bank.

Japanese Knotweed is present on the Southern bank.

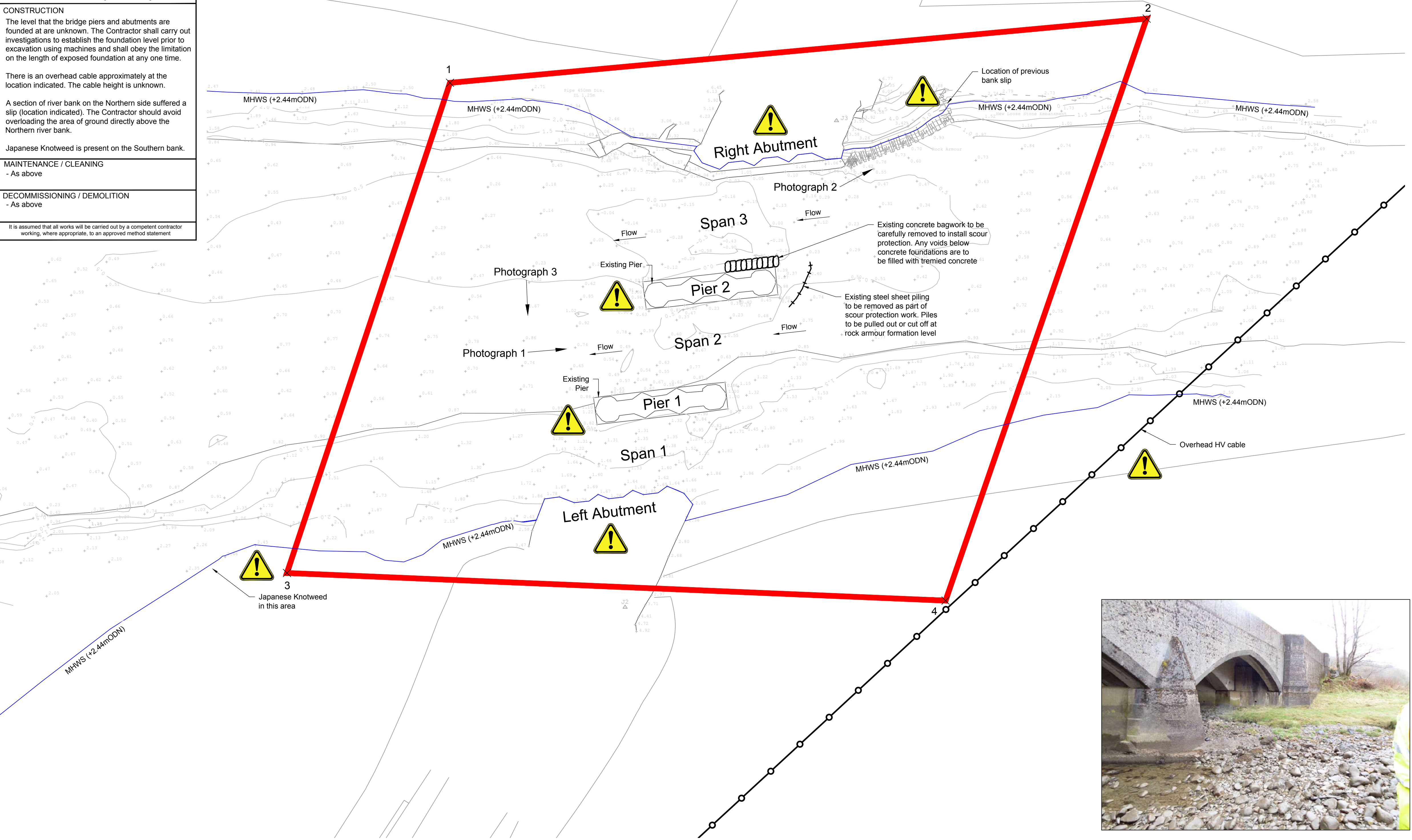
MAINTENANCE / CLEANING

- As above

DECOMMISSIONING / DEMOLITION

- As above

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



Existing Plan Layout
Scale 1:200



Photograph 1



Photograph 2



Photograph 3

15-NW-1201-084-100-03

- Notes
- Existing topography based on survey by Jacobs dated 18 May 2018.
 - All levels are relative to Ordnance Datum (mODN).
 - An elevation of the upstream face of the bridge is shown on Drawing No. 15-NW-1201-084-106.

Site Boundary Coordinates		
Point Number	Easting (m)	Northing (m)
1	206567.217	769100.123
2	206631.788	769106.068
3	206552.107	769054.689
4	206613.148	769052.129

Key

Site Boundary
(Low level only, excludes carriageway, footpaths and parapet of bridge)

Mean High Water Spring Level
(2.44mODN)

Do not scale this drawing

03	Feb 2021	For Tender	JD	DS
02	Aug 2018	Client comments incorporated	DS	
01	July 2018	Draft for comment	DS	
Rev	Date		Checked	

Client

TRANSPORT SCOTLAND
CORPORAL ALBA

BEAR

FOR TENDER

Project	A82 Kiachnish Bridge Scour Protection
Title	Existing Site Layout

Drawing No.	15-NW-1201-084-100	01	02	03	
Scale	AS SHOWN @A1	Date	20/07/2018		
Drawn	LJCW	Designed	JM	Checked	JM
				Approved	GM

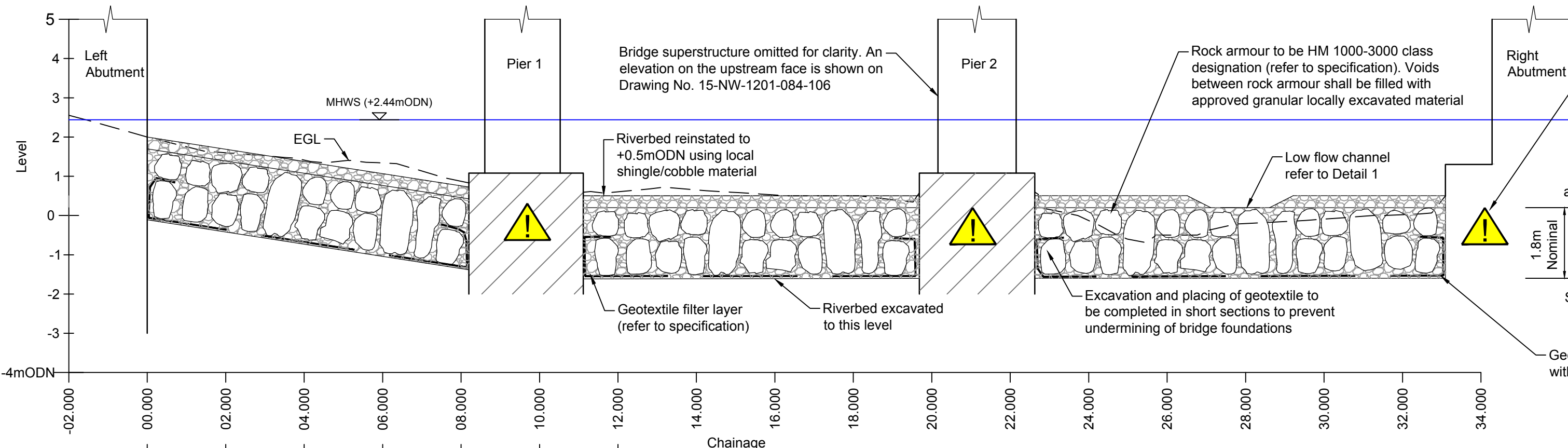
Prepared for BEAR Scotland by **JACOBS**
Jacobs, 95 Bothwell Street, Glasgow, G2 7HX

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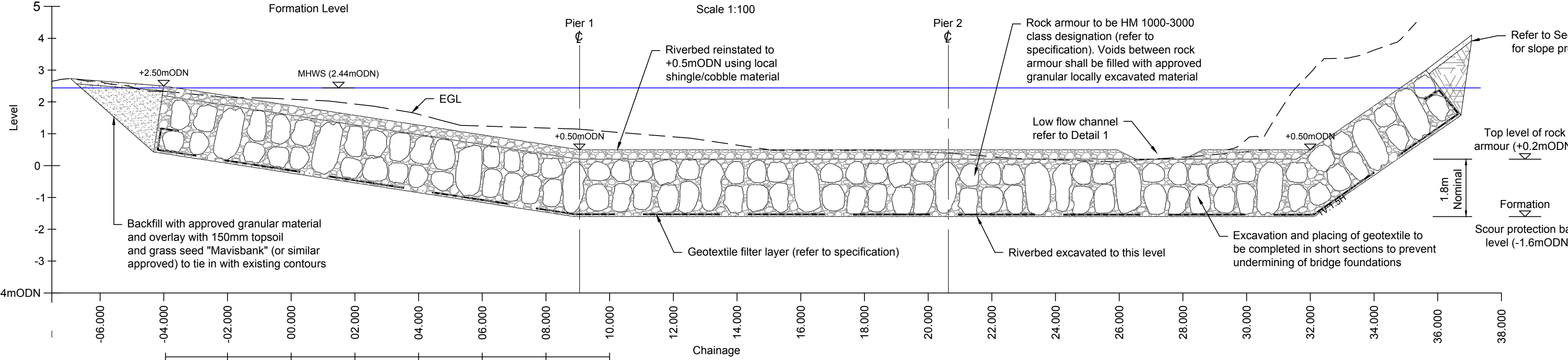


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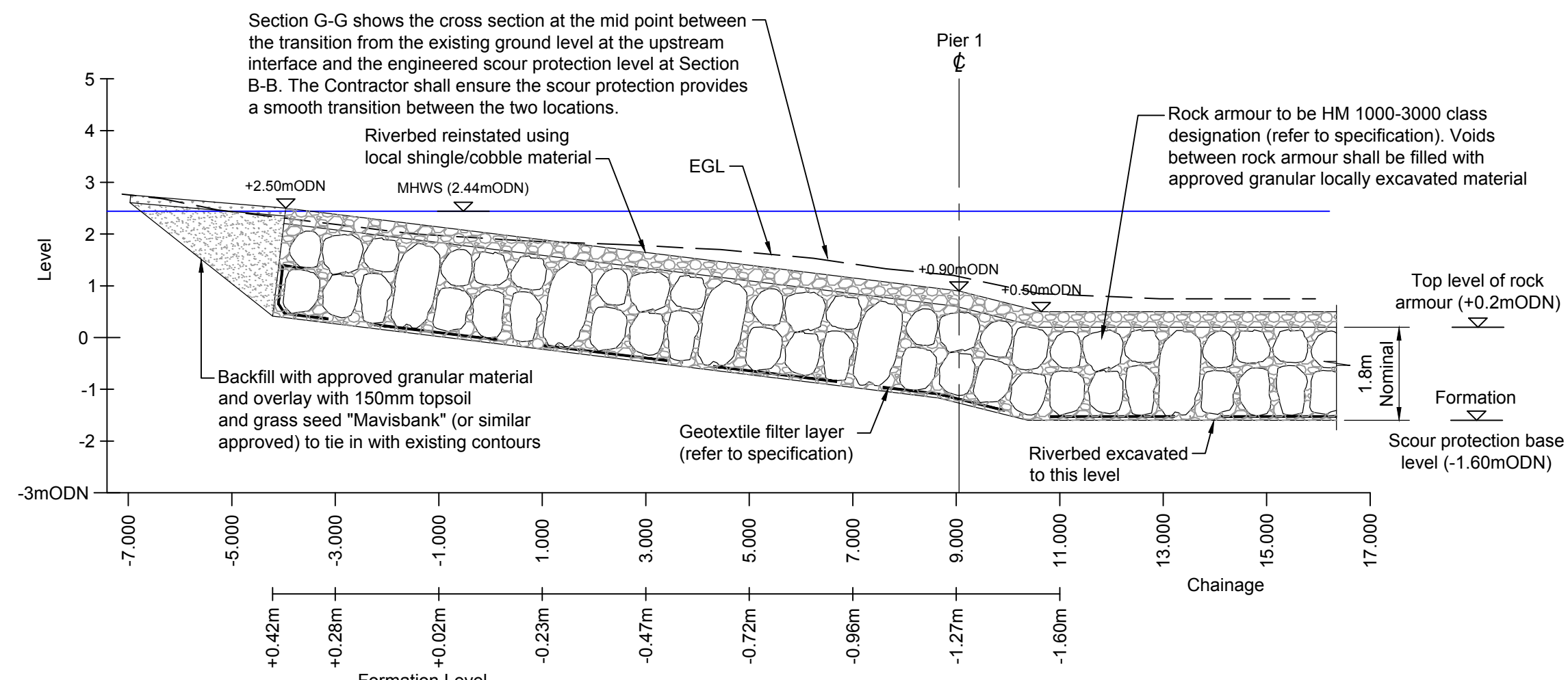
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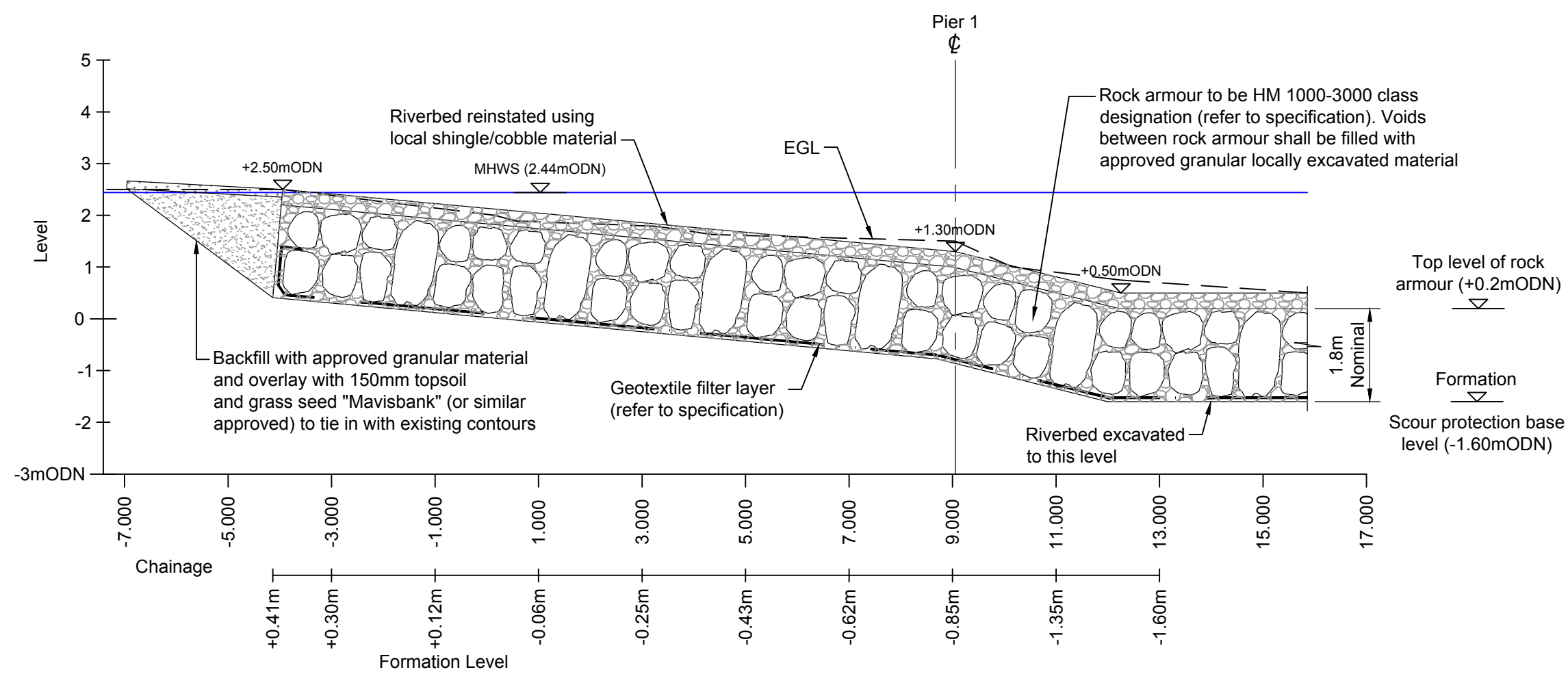
Section A-A
Scale 1:100



Section B-B
Scale 1:100



Section G-G
Scale 1:100



Section J-J
Scale 1:100

Risk with regard to undermining piers/abutments due to excavation. Excavation exposing the foundations shall be limited to a max length of 3m on a single structural element at any one time

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:
CONSTRUCTION
- Rock armour to be placed with care to avoid damage to bridge pier/abutment and foundation.
- Limiting batter (1V:2H) on bed excavation to be maintained to prevent undermining of ground.
- There is a risk of undermining piers/abutments from excavation. Excavation exposing the foundation of bridge piers/abutments shall be limited to a max length of 3m on a single structural element at any one time.
- The site is on a tidal river which is subject to inundation at short notice due to combined tide and high river flow events.
-
MAINTENANCE / CLEANING
- N/A
DECOMMISSIONING / DEMOLITION
- N/A
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

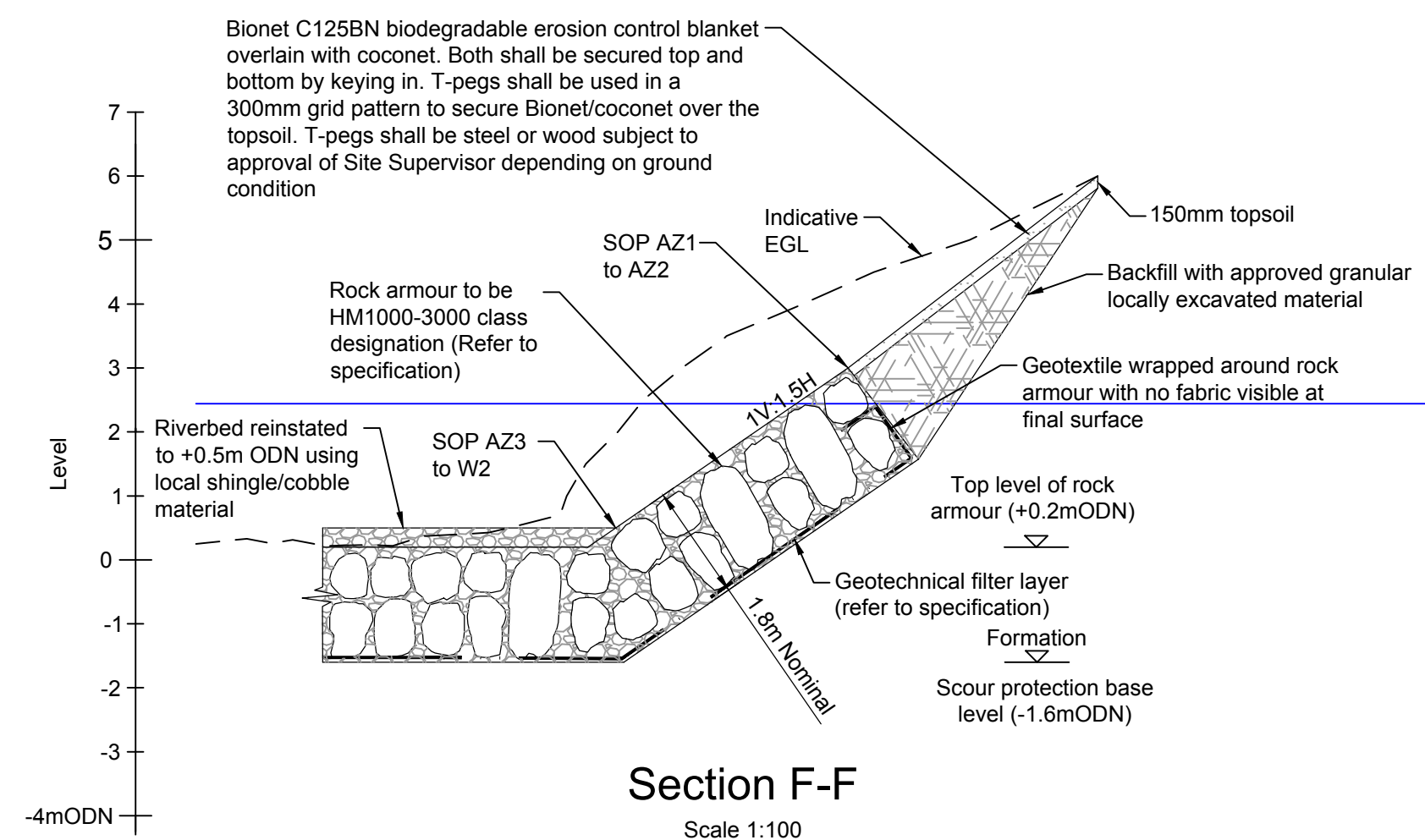
Drawing Number / Rev
15-NW-1201-084-102-03

- General
- Existing topography based on updated survey by Jacobs dated 18 May 2018.
 - All levels are relative to Ordnance Datum (mODN).
 - The new bed level shall be tied in to the existing bed level using 1V:10H slopes.
 - Chainages are taken from the left abutment, parallel to the bridge centerline and on the centerline of the section

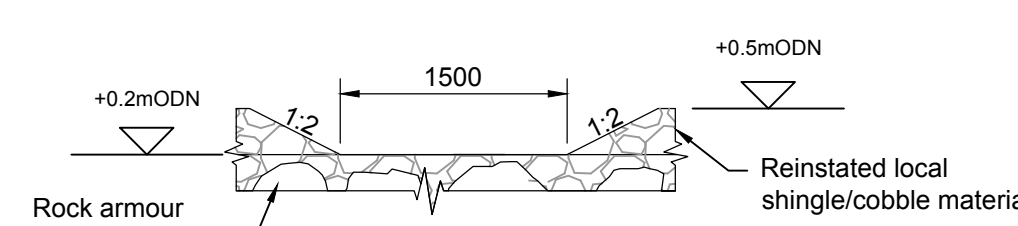
Key:

Mean High Water Spring Level (+2.44m ODN)



Geotextile

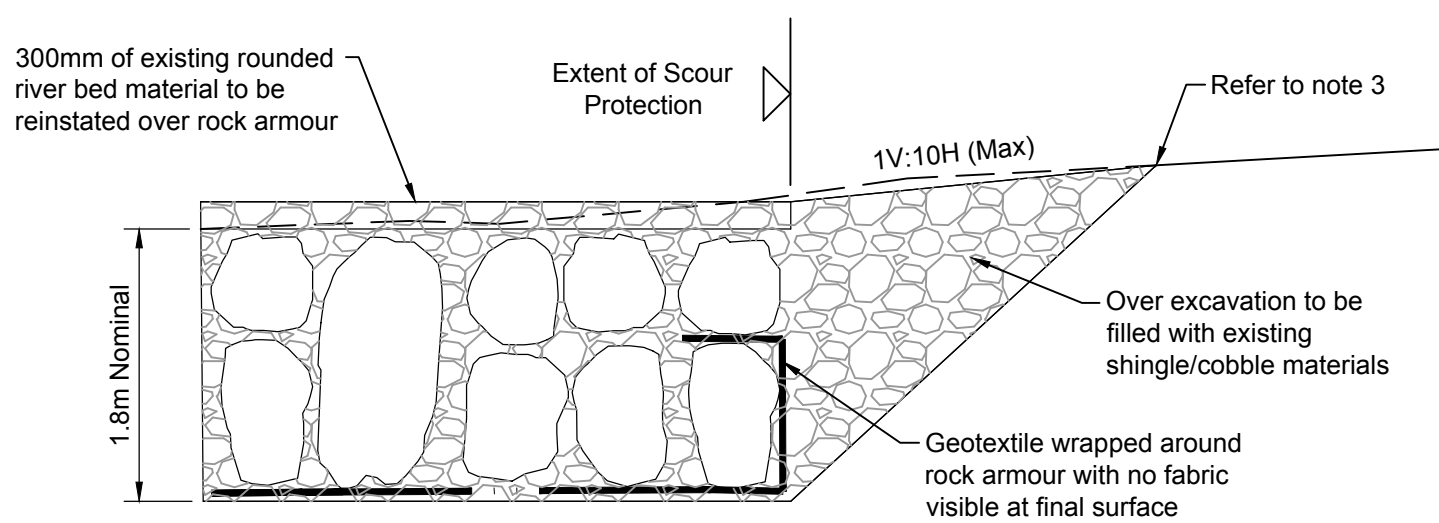
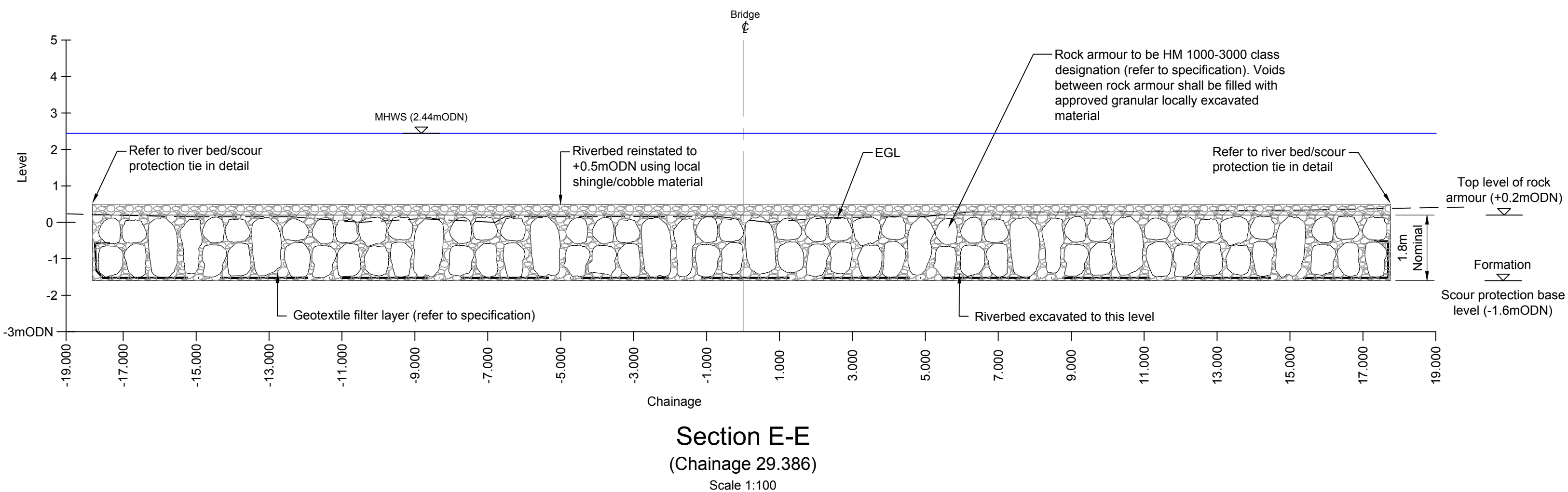
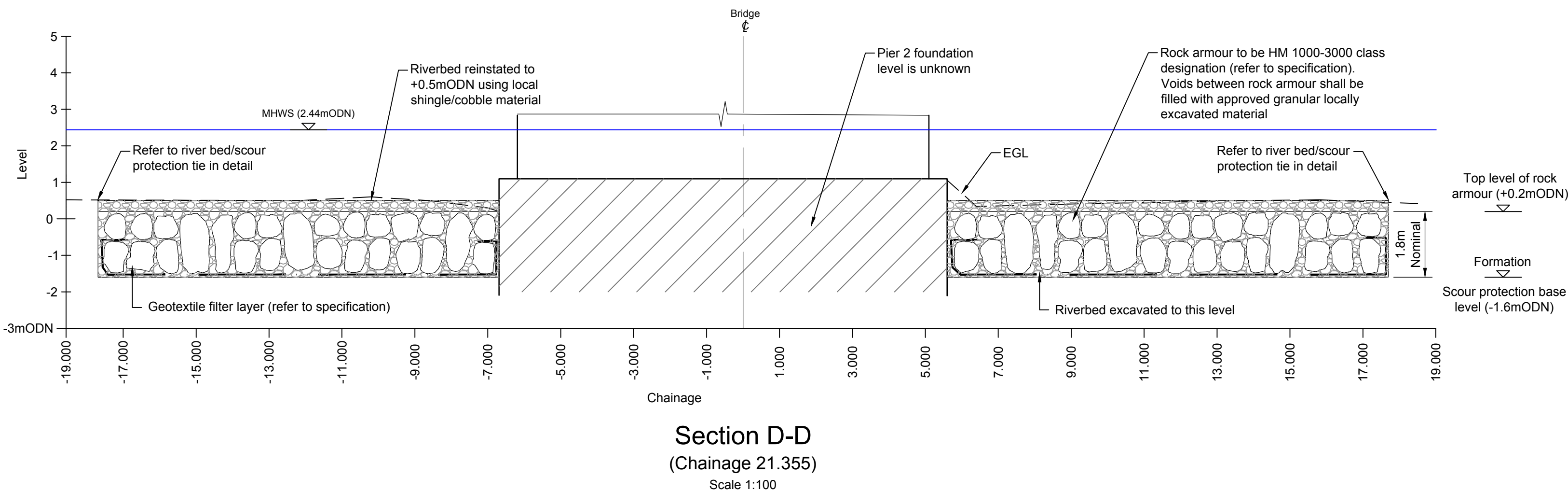
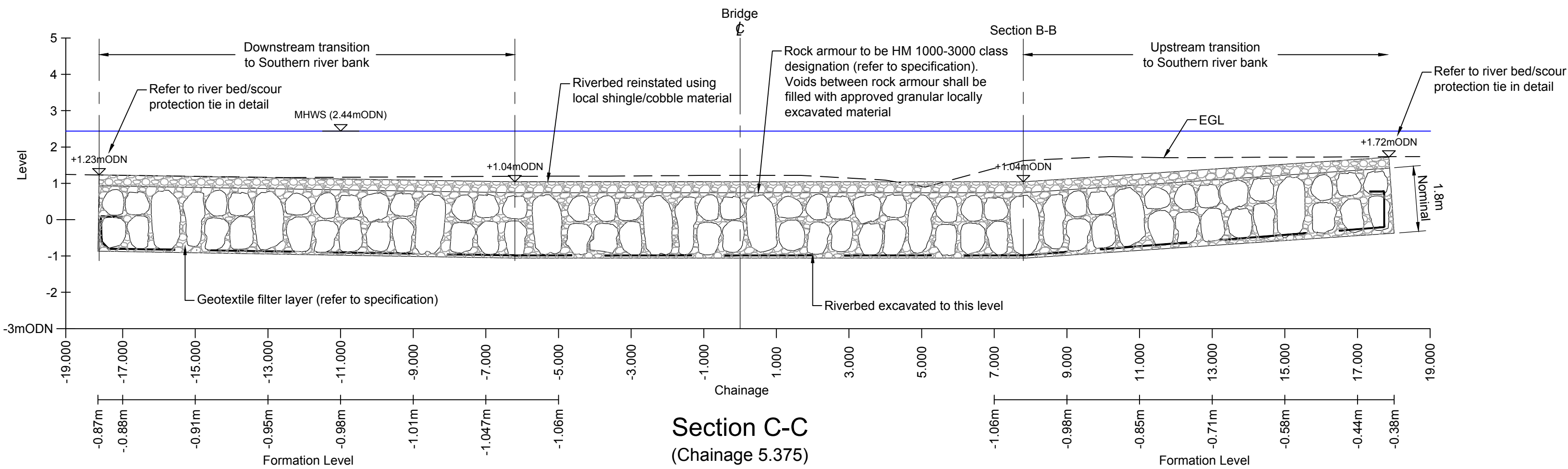


Section F-F
Scale 1:100



Detail 1
Low Flow Channel
Scale 1:50

Do not scale this drawing					
03	Feb 2021	For Tender		JD	DS
02	Aug 2018	Client comments incorporated		DS	
01	July 2018	Draft for Comment		DS	
Rev	Date			Checked	
Client					
					
					
Status					
FOR TENDER					
Project					
A82 Kiachnish Bridge Scour Protection					
Title					
Sections Sheet 1					
Drawing No.					
15-NW-1201-084-102					
Scale					
AS SHOWN @A1					
Date					
20/07/2018					
Drawn					
LJCW					
Designed					
JM					
Checked					
JM					
Approved					
GM					
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Typical Detail At Scour Protection/
Riverbed Interface

Scale 1:50

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
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CONSTRUCTION <ul style="list-style-type: none">- Rock armour to be placed with care to avoid damage to bridge pier/abutment and foundation.- Limiting batter (1V:2H) on bed excavation to be maintained to prevent undermining of ground.- There is a risk of undermining piers/abutments from excavation. Excavation exposing the foundation of bridge piers/abutments shall be limited to a max length of 3m on a single structural element at any one time.- The site is on a tidal river which is subject to inundation at short notice due to combined tide and high river flow events.	
MAINTENANCE / CLEANING <ul style="list-style-type: none">- N/A	
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">- N/A	
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement	

Drawing Number / Rev

15-NW-1201-084-103-03

General

- Existing topography based on updated survey by Jacobs dated 18 May 2018.
- All levels are relative to Ordnance Datum (mODN).
- The new bed level shall be tied in to the existing bed level using slopes no steeper than 1V:10H.

Key:

Mean High Water Spring Level (+2.44m ODN)

Geotextile

Do not scale this drawing

03	Feb 2021	For Tender	JD	DS
02	Aug 2018	Client comments incorporated	DS	
01	July 2018	Draft for Comment	DS	

Rev	Date	Checked
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Status

FOR TENDER

Project

A82 Kiachnish Bridge
Scour Protection

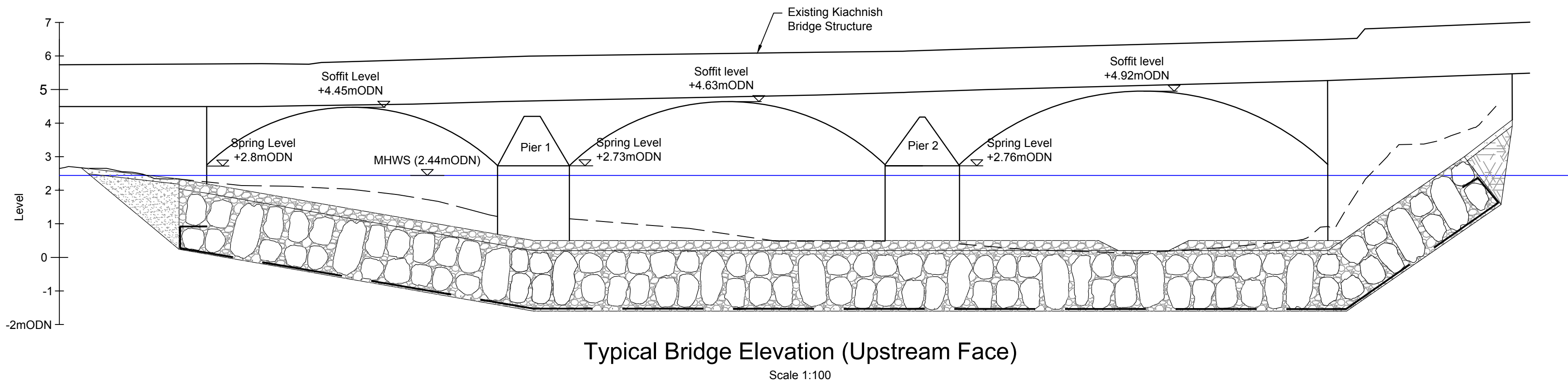
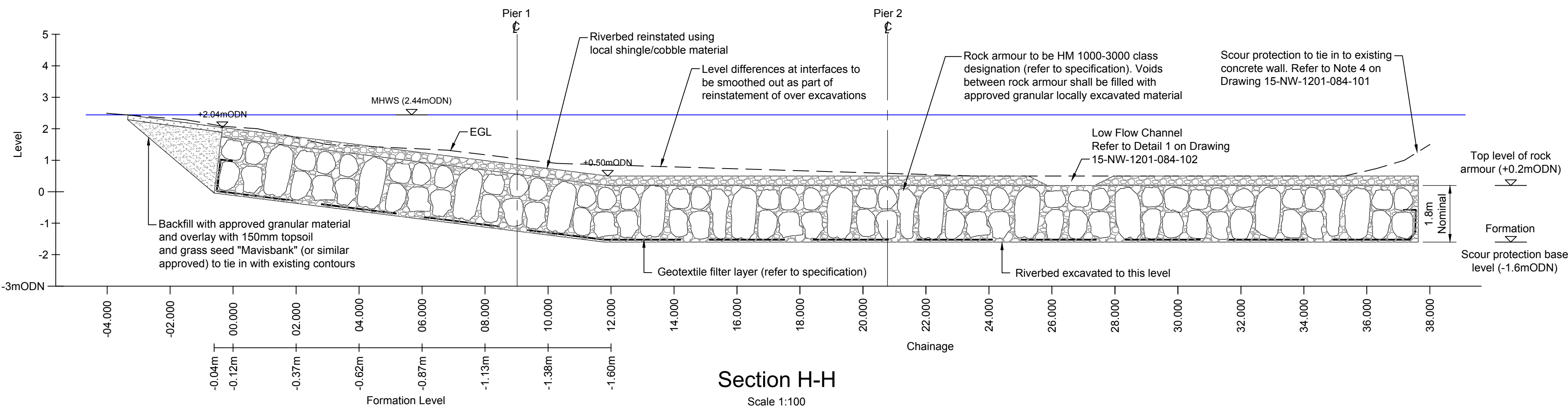
Title

Sections
Sheet 2

Drawing No.	15-NW-1201-084-103			01	02	03		
Scale	AS SHOWN @A1			Date 20/07/2018				
Drawn	LJCW	Designed	JM	Checked	JM	Approved GM		

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MAINTENANCE / CLEANING <ul style="list-style-type: none">- N/A
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">- N/A
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

Drawing Number / Rev
15-NW-1201-084-106-01

- General
- Existing topography based on updated survey by Jacobs dated 18 May 2018.
 - All levels are relative to Ordnance Datum (mODN).
 - The new bed level shall be tied in to the existing bed level using slopes no steeper than 1V:10H.

Key:

Mean High Water Spring Level (+2.44m ODN)

Geotextile

Do not scale this drawing

Rev	Date	For Tender	JD	DS
01	Feb 2021	For Tender	JD	DS



Status
FOR TENDER

Project
A82 Kiachnish Bridge
Scour Protection

Title
Sections
Sheet 3

Drawing No.	15-NW-1201-084-106			01				
Scale	AS SHOWN @A1			Date	26/02/2021			
Drawn	AF	Designed	JD	Checked	JD	Approved	DS	

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