

Bank regrading. The banks of the channel will be regraded where they are currently steep, to help reconnect the river to its floodplain and naturalise the system. The excavated area will be left to regenerate naturally from the buried seedbank and colonisation of locally occurring species.

G6

RIVERGADDER

Bank protection. Pre-planted coir rolls along – left bank toe and geotextile along regraded bank at the upstream extent of where the channel will be infilled to reinforce it and prevent reactivation of the old channel.

Re-meandering of the Channel. The channel will be re-meandered in the vicinity of to bypass the culverted bridge of heritage interest (Pedestrian Bridge 4). New channel substrate should have a D50 of 10 - 20 mm.

> TF 74138 00967 Reach 6 downstream limit.

TF 74424 01196 -Reach 6 upstream limit.

> Riffle Development. T substrate of the chann augmented ~200 mm gravels to create riffle Sediments size range 40mm and D50 of 20

In-Channel Benches. In-channel bench features constructed along sections where the channel is overwide. These will sit slightly above the norma level, helping to narrow the channel and increase and habitat diversity. Installation includes fronta brushwood fascines fixed in place using chestnut and backfilled with a mix of materials including b brash, wood and spoil obtained from site. Site we will used to cap bench features depending on av

 Infill Existing Channel. The existing channel will be infilled using spoil generated during works.

B3

Culverted bridge of historical importance to be buried within the backfilled channel.

1	SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION IN ADDITION TO THE HAZARDS OR RISKS NORMALLY ASSOCIATED WITH TYPES OF WORK DETAILED ON THIS DRAWING, THE FOLLOWING SIGNIFICANT RESIDUAL RISKS SHOULD BE NOTED. FURTHER DETAILS ARE INCLUDED IN THE COM DESIGN RISK MANAGEMENT REGISTER.			
	CONSTRUCTION: S.5 Existing Structures: damage to and personal injury.			
	S.6 Risk of uncovering and/or damaging buried archaeology. MAINTENANCE, CLEANING AND OPERATION:			
	S.5 Existing Structures	s: damage to and personal g and/or damaging buried		
	DECOMMISSIONING OF			
	S.6 Risk of uncovering	g and/or damaging buried all works will be carried	archaeology.	
	contractor working, wh	LEGEND	ved method statement.	
	- Evicting			
		channel bridges to be	retained	
		to be buried/		
	Existing			
			🖵 Gates	
	Root pr	rotection area		
	Proposed De	esign		
	New re	aligned channel		
	Infilled	channel		
	In-char	nnel benches <mark>B</mark>	1	
	Riffle d	evelopment G1		
The	Embankment lowering			
nel will be				
with e features.	Project Numb	er 2	2150448	
from 2 to	Project Title	·		
- 25 mm.	River Gadder			
	Restoration			
	Drawing Title			
	DETAILED DESIGN			
al water e flow	PLAN VIEW - REACH 6			
al		0 12.		
t posts	Scale @ A3 1:1,000		Meters	
oranches,	Drawn	Date	Version	
on turves	JI	20/03/2024	8	
vailability.	Designed	Checked	Approved	
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	love		SOLUTIONS B BY MATUHE SOLA JOINT	
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	Drawing Number	ter		
	-	2150448	_PW_3	
			<u> </u>	

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RIVERGADDER

CH 225.000m

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gravels to create riffle features. Sediments size range from 2 to 40mm and D50 of 20 - 25 mm.

In-Channel Benches. In-channel bench features constructed along sections where the channel is overwide. These will sit slightly above the normal water level, helping to narrow the channel and increase flow and habitat diversity. Installation includes frontal brushwood fascines fixed in place using chestnut posts and backfilled with a mix of materials including branches, brash, wood and spoil obtained from site. Site won turves will used to cap bench features depending on availability.

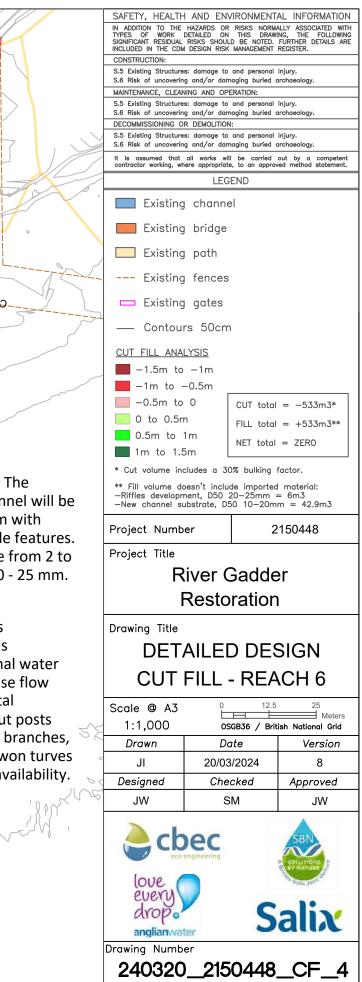
TF 74424 01196

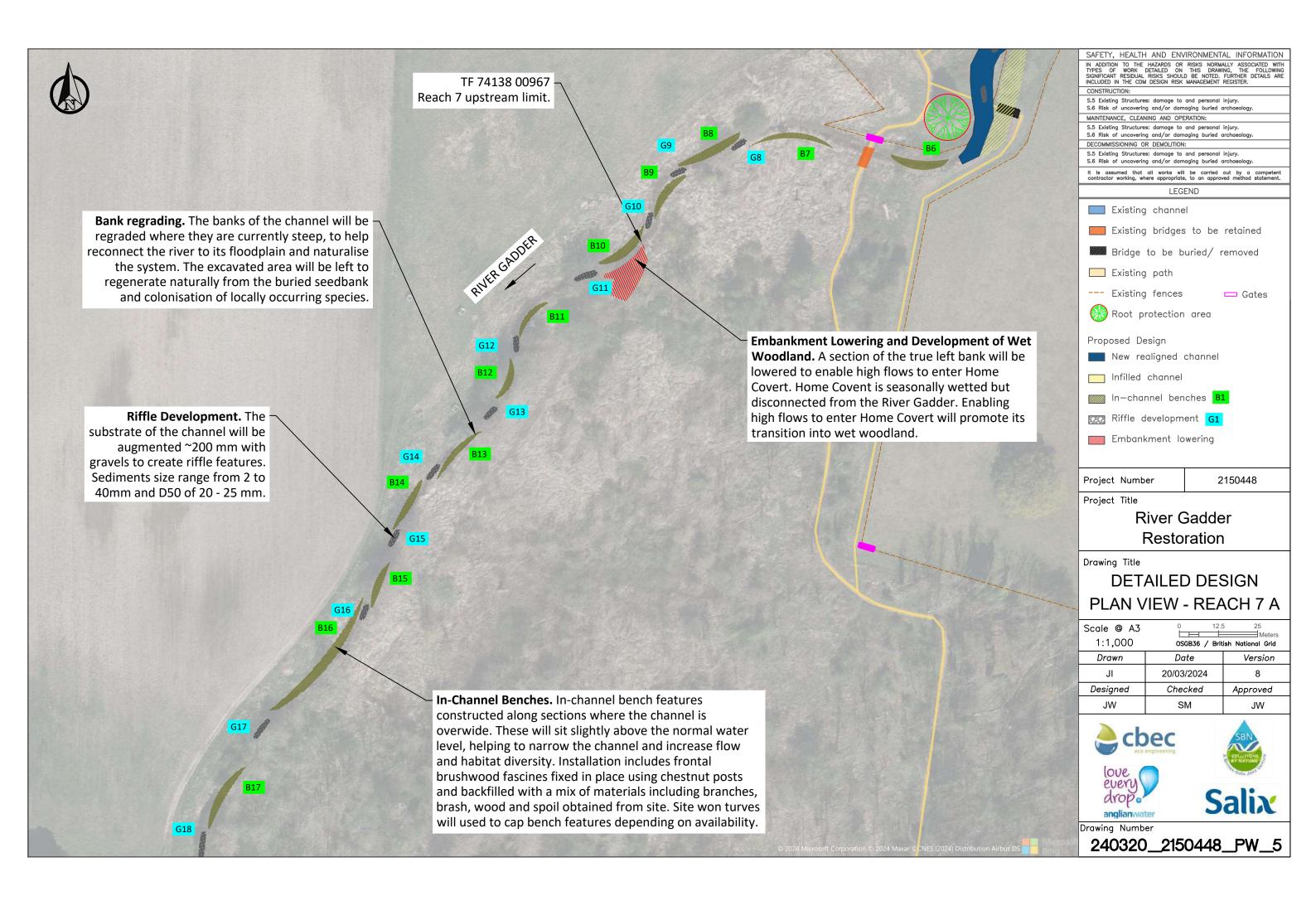
Reach 6 upstream limit.

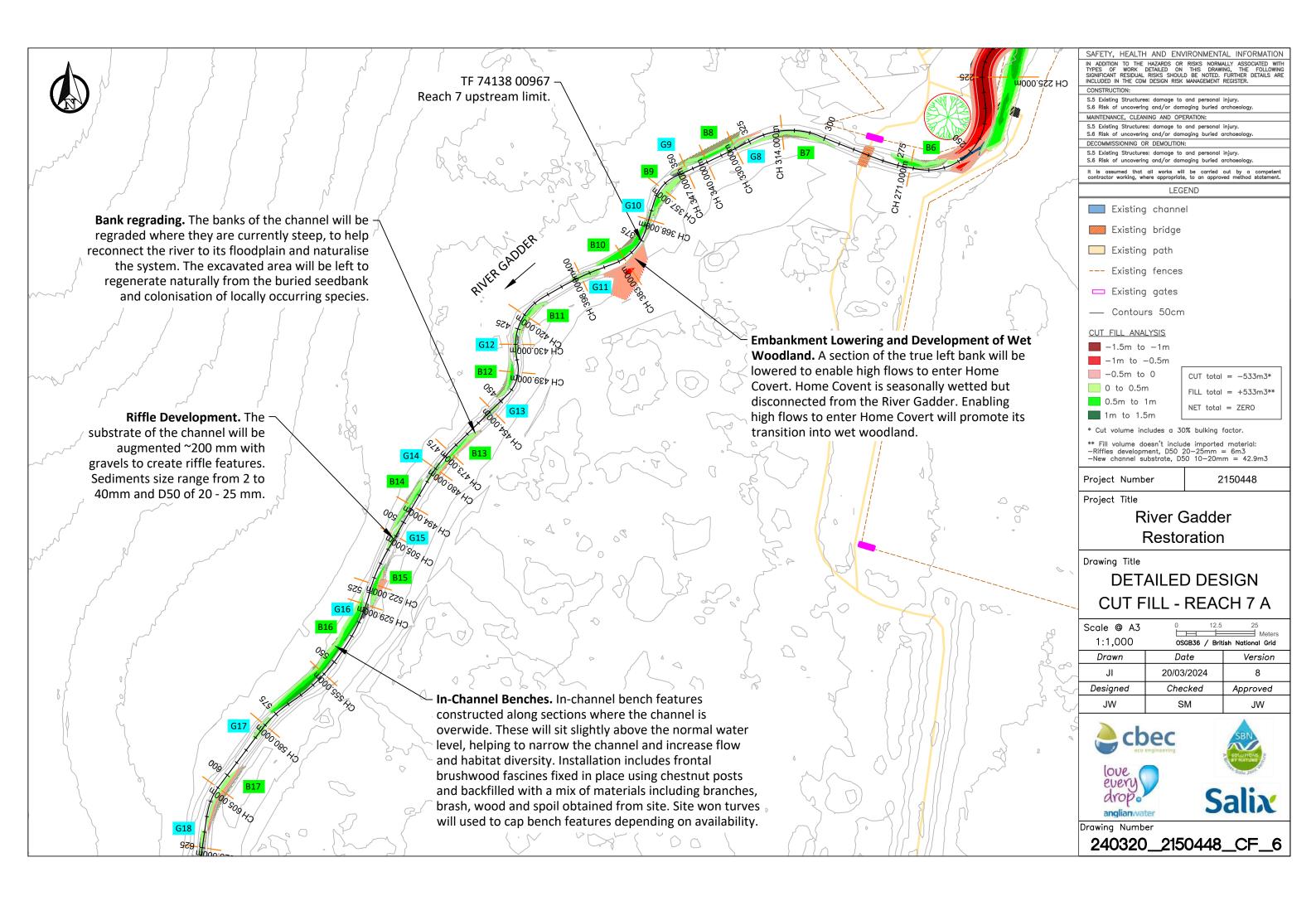
 Infill Existing Channel. The existing channel will be infilled using spoil generated during works.

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Culverted bridge of historical importance to be buried within the backfilled channel.

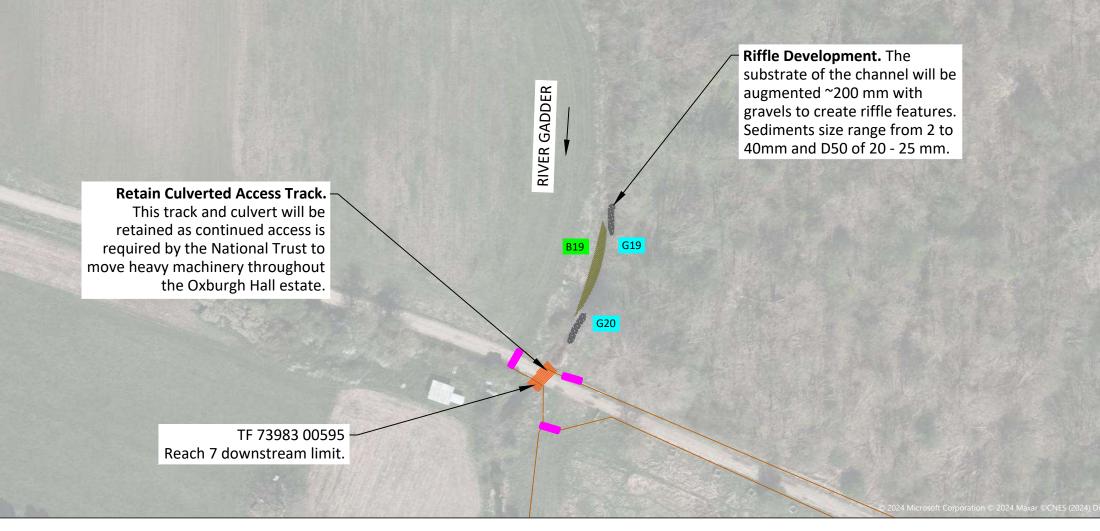






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G18



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CH 625.000

CH 640.000

529

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RIVER GADDER

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g21

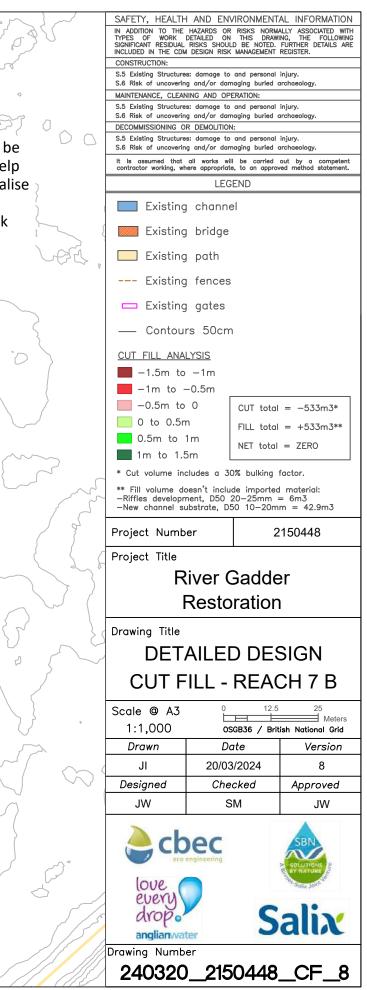
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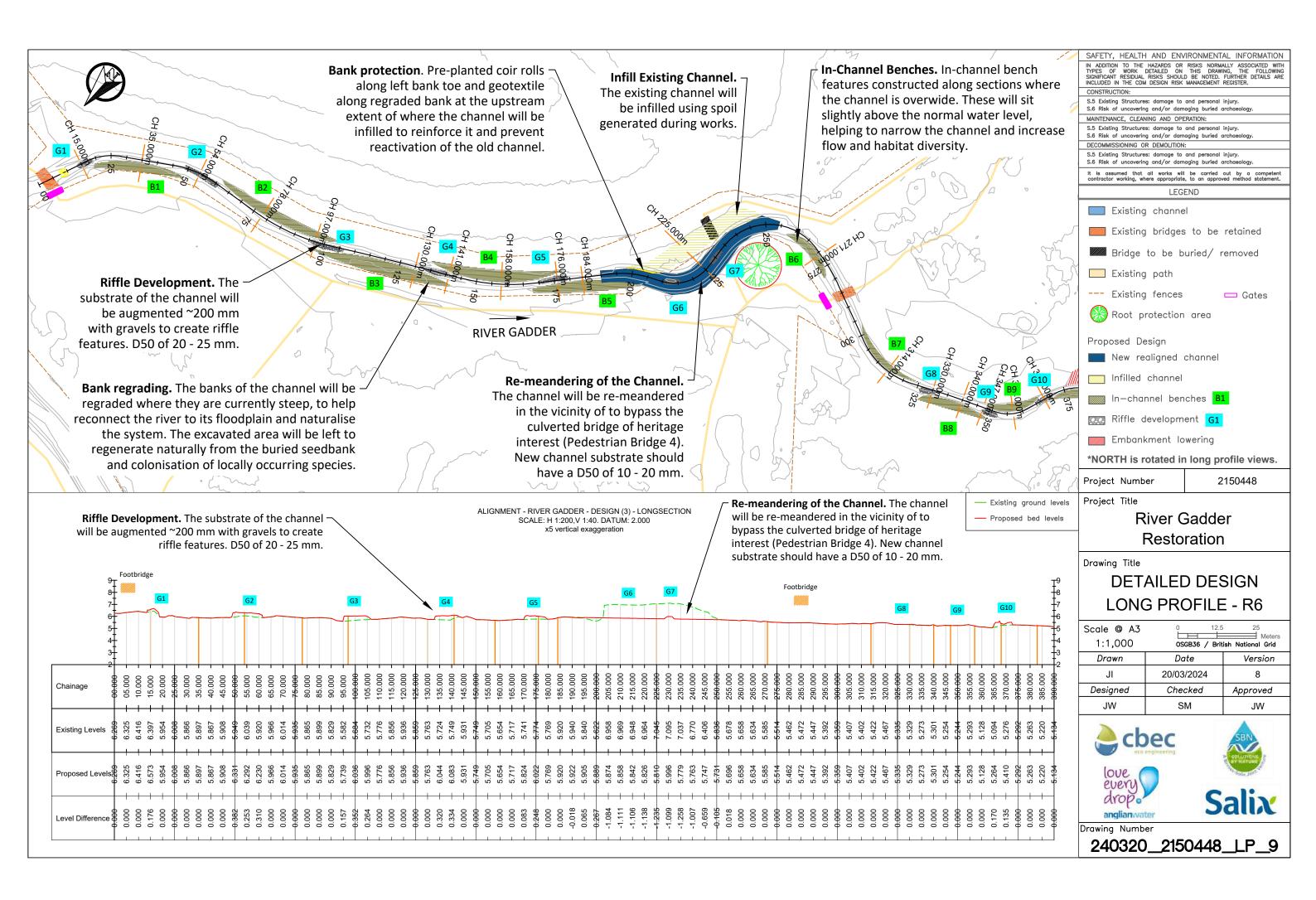
922 HOO 722 HO

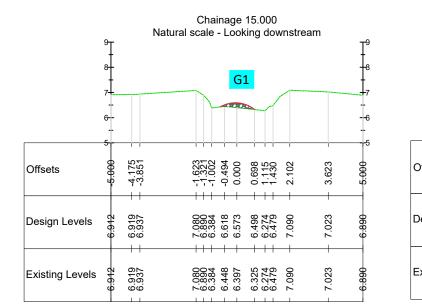
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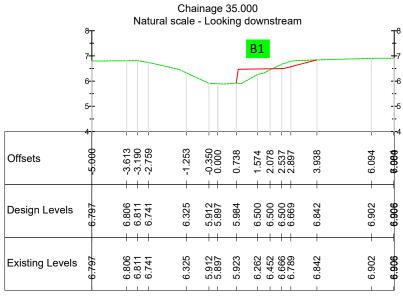
> Retain Culverted Access Track. This track and culvert will be retained as continued access is required by the National Trust to move heavy machinery throughout the Oxburgh Hall estate.

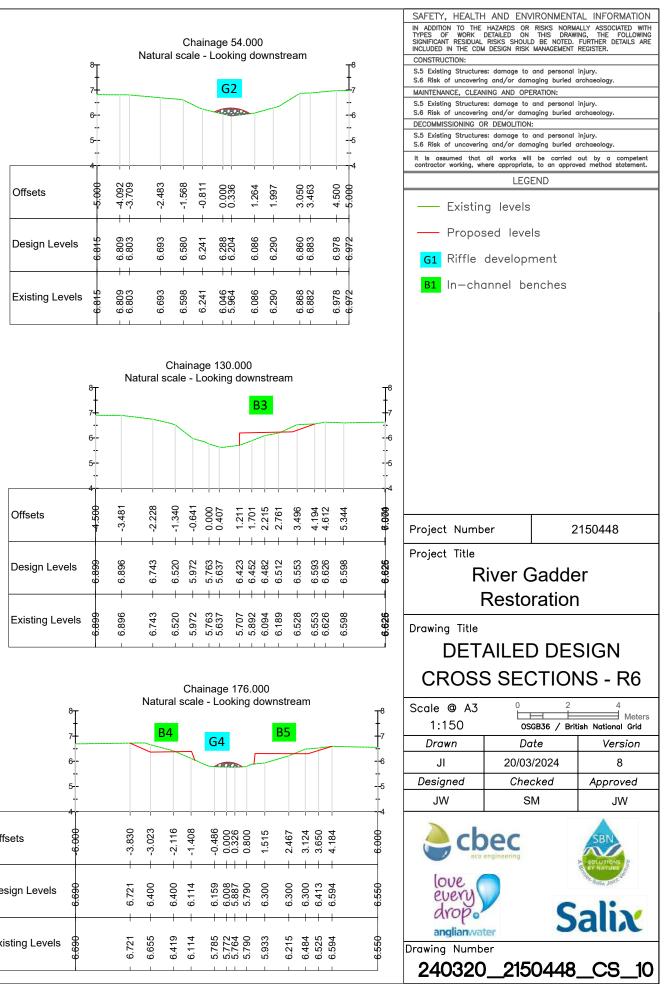
> > TF 73983 00595 -Reach 7 downstream limit.

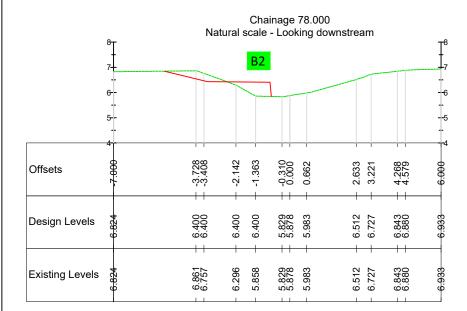


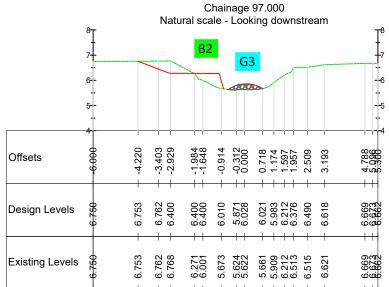


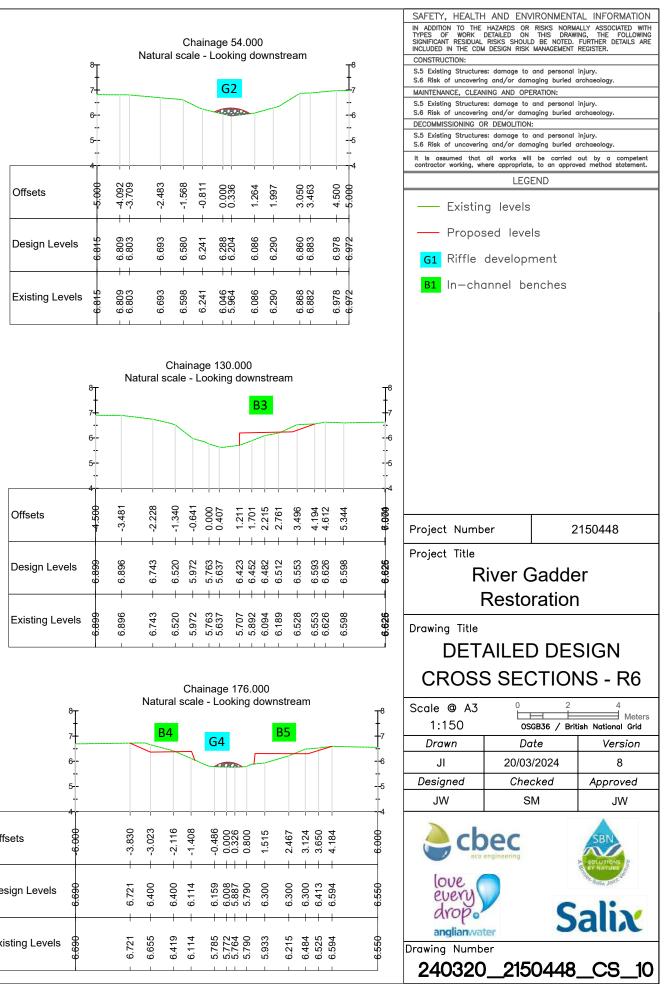


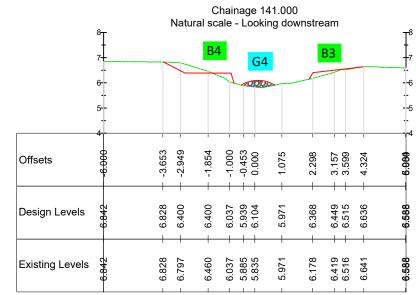


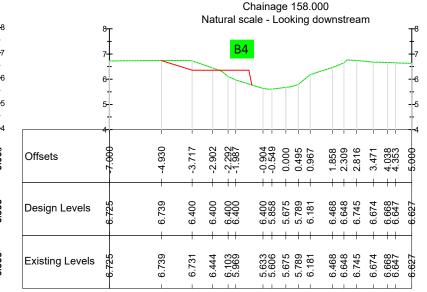


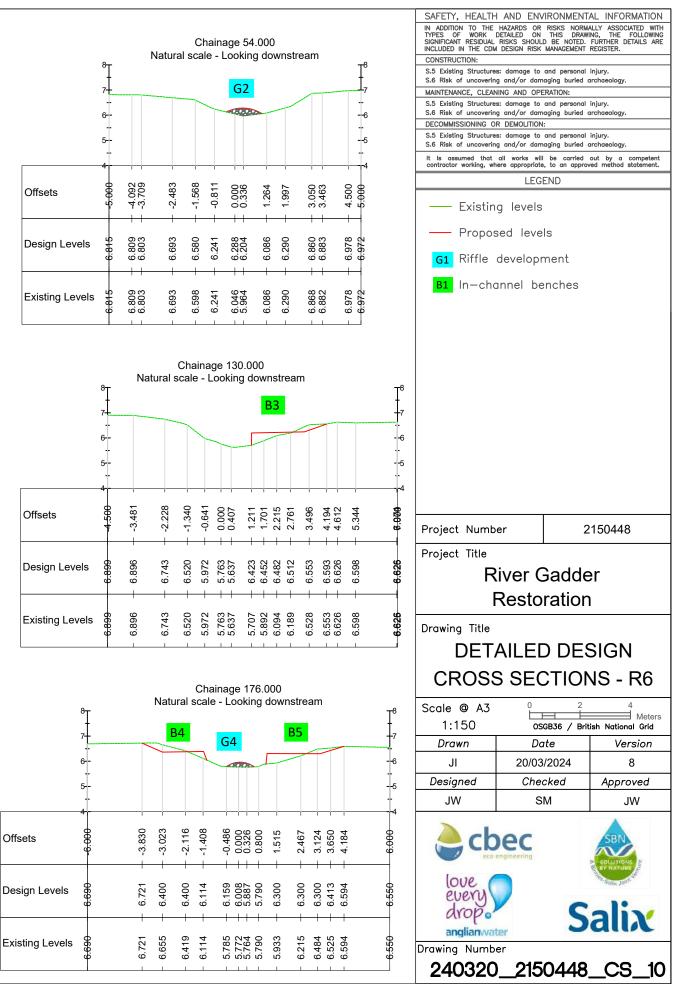


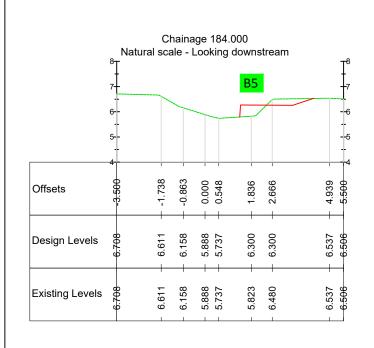


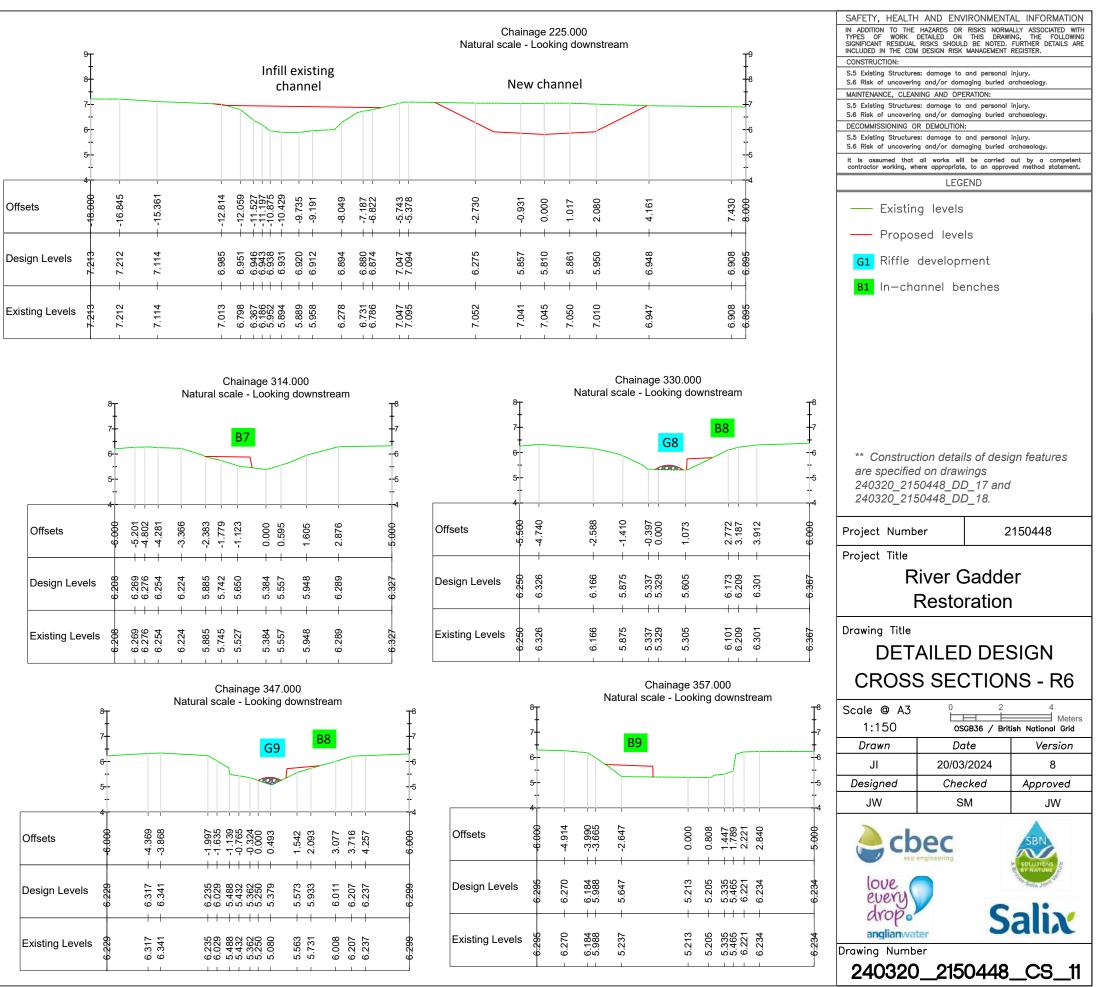


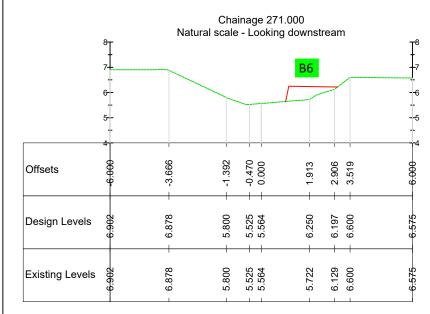


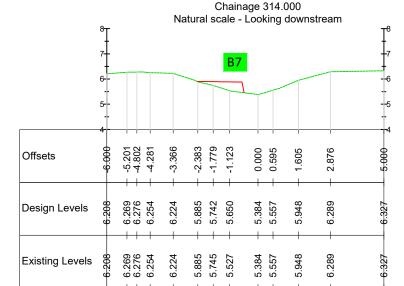


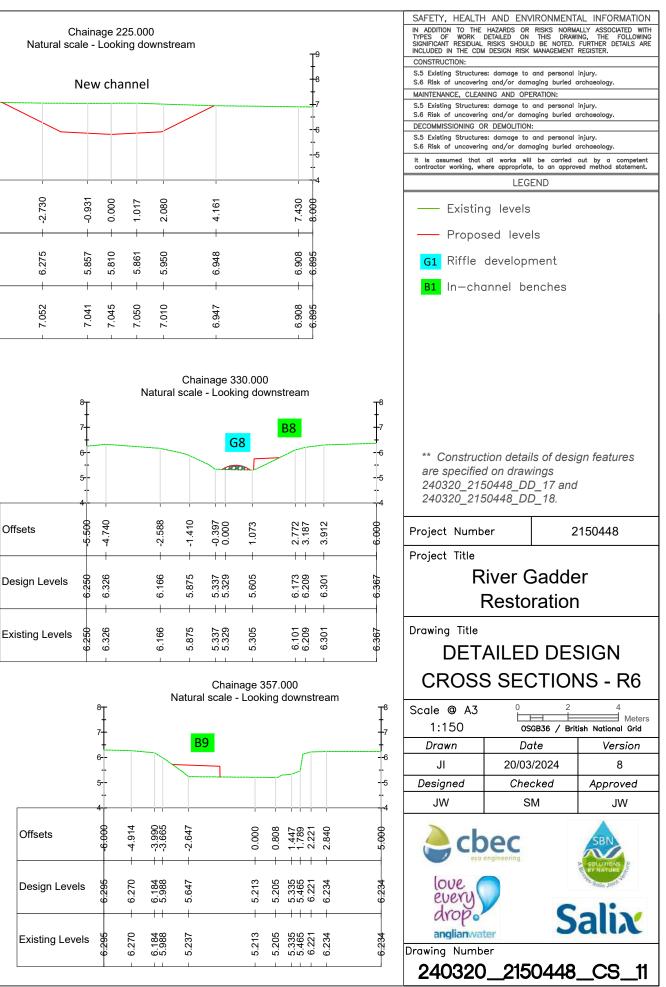


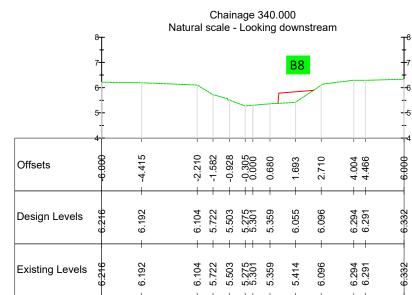


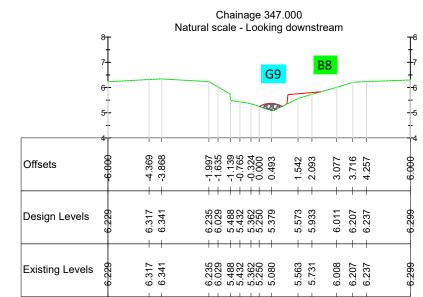


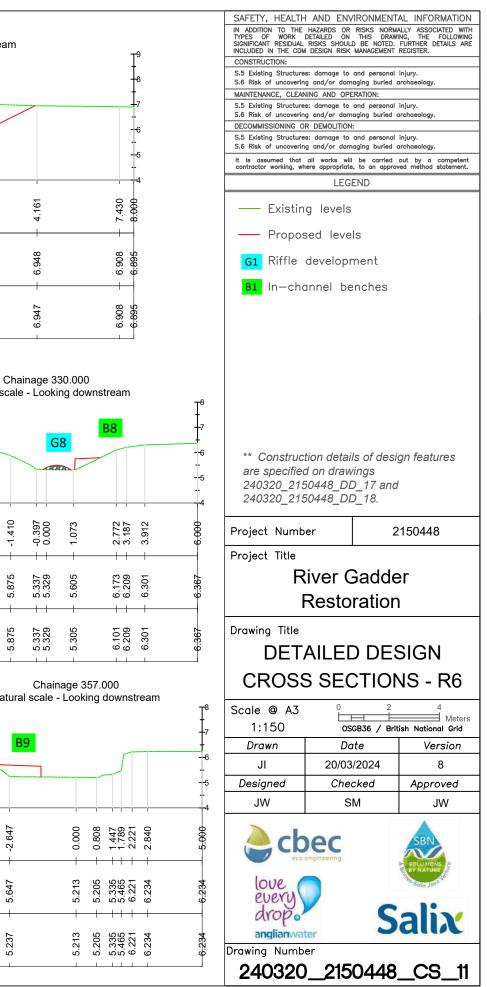


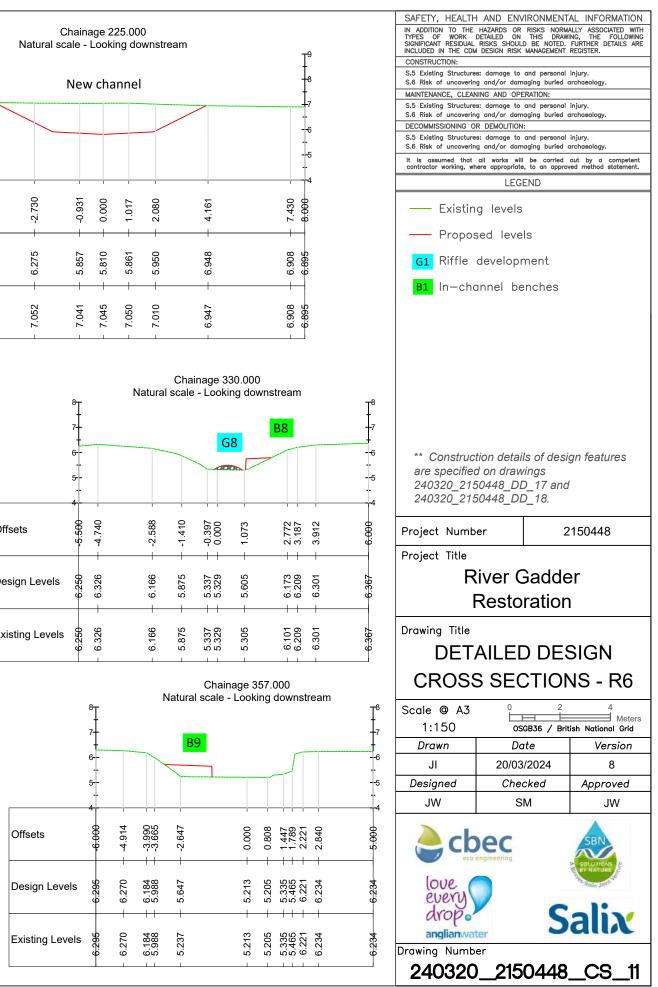


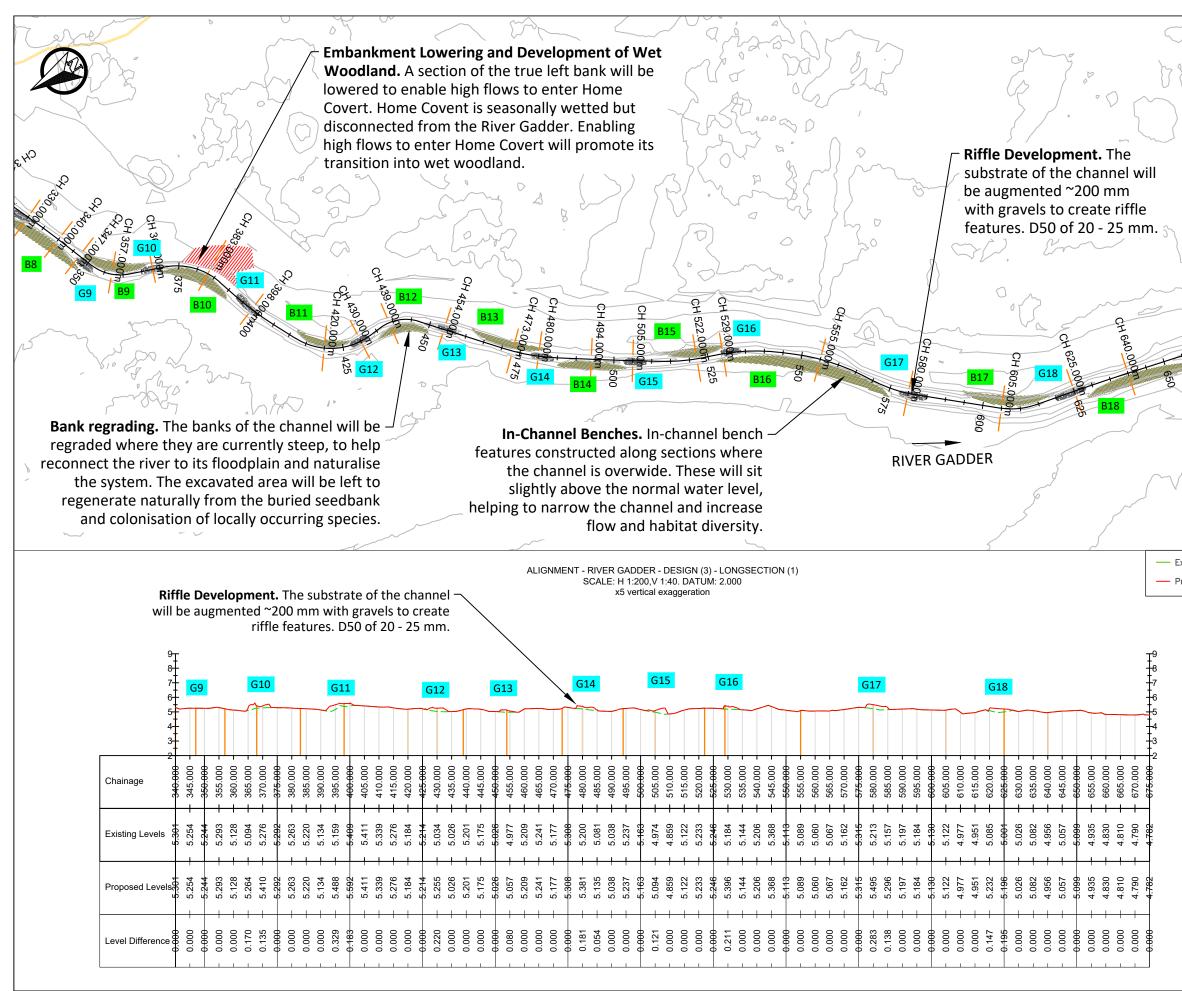












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2~	CONSTRUCTION:		
\bigcirc	S.5 Existing Structures: damage to and personal injury. S.6 Risk of uncovering and/or damaging buried archaeology.		
>	MAINTENANCE, CLEANING AND OPERATION: S.5 Existing Structures: damage to and personal injury. S.6 Risk of uncovering and/or damaging buried archaeology.		
	DECOMMISSIONING OR DEMOLITION:		
5	S.5 Existing Structures: damage to and personal injury. S.6 Risk of uncovering and/or damaging buried archaeology.		
Ć	It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.		
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	Existing channel		
man /	Bridge to be buried/ removed		
~	Existing path		
~	Existing fences 🛛 🖂 Gates		
	Root protection area		
675	Proposed Design		
	New realigned channel		
	Infilled channel		
m	In-channel benches B1		
h h	🕎 Riffle development <mark>G1</mark>		
{	Embankment lowering		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*NORTH is rotated in long profile views.		
	Project Number 2150448		
Existing ground levels Proposed bed levels	Project Title River Gadder		
	-		
	Restoration		
	Drawing Title		
	DETAILED DESIGN		
	LONG PROFILE - R7 A		
	Scale @ A3 0 12.5 25		
	1:1,000 OSGB36 / British National Grid		
	JI 20/03/2024 8		
	Designed Checked Approved		
	JW SM JW		
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	dropo Salix		
	Drawing Number		
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