

Norwich Western Link Environmental Statement Chapter 11: Bats

Appendix 6b: Design of Green Bridges and Underpasses

Author: WSP

Document Reference: 3.11.06b

Version Number: 00

Date: March 2024



Contents

Figures

Figure 1-1 – The General Arrangement Drawings for Ringland Lane Overbridge BR2, illustrating the structural cross section of the overbridge
Figure 1-2 - The General Arrangement Drawings for The Tud Tributary Bat Underpass Culvert CU2, illustrating the structural cross section of the underpass 5
Figure 1-3 - The General Arrangement Drawings for The Broadway Green Bridge GB1, illustrating the structural cross section of the green bridge
Figure 1-4 - The General Arrangement Drawings for The Foxburrow Plantation Green Bridge GB2, illustrating the structural cross section of the green bridge7
Figure 1-5 - The General Arrangement Drawings for The Morton Green Bridge GB4, illustrating the structural cross section of the green bridge



1 Introduction

1.1.1 The following six figures (Figure 1-1, Figure 1-2, Figure 1-3, Figure 1-4, Figure 1-5 and Figure 1-6) display the structural cross-sections as part of the General Arrangement Drawings for Ringland Lane Overbridge BR2, The Tud Tributary Bat Underpass Culvert CU2, The Broadway Green Bridge GB1, The Foxburrow Plantation Green Bridge GB2, The Morton Green Bridge GB4 and The Nursery Woodland Green Bridge GB5.



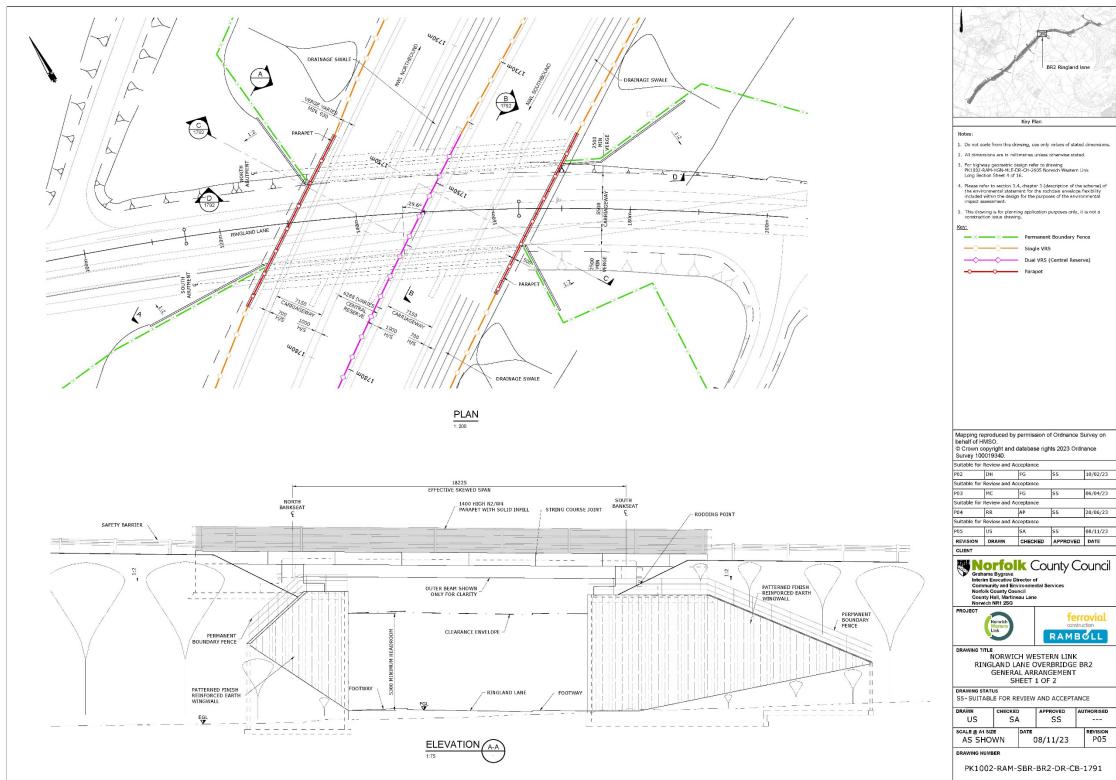


Figure 1-1 – The General Arrangement Drawings for Ringland Lane Overbridge BR2, illustrating the structural cross section of the overbridge



	55	20/06/23
2	ss	20/06/23
2	55	20/06/23
5	55	06/04/23
\$	55	10/02/23

ferrovial
RAMBOLL

APPROVED	AUT	HORISED
8/11/23		P05
3R2-DR-C	B-1	791



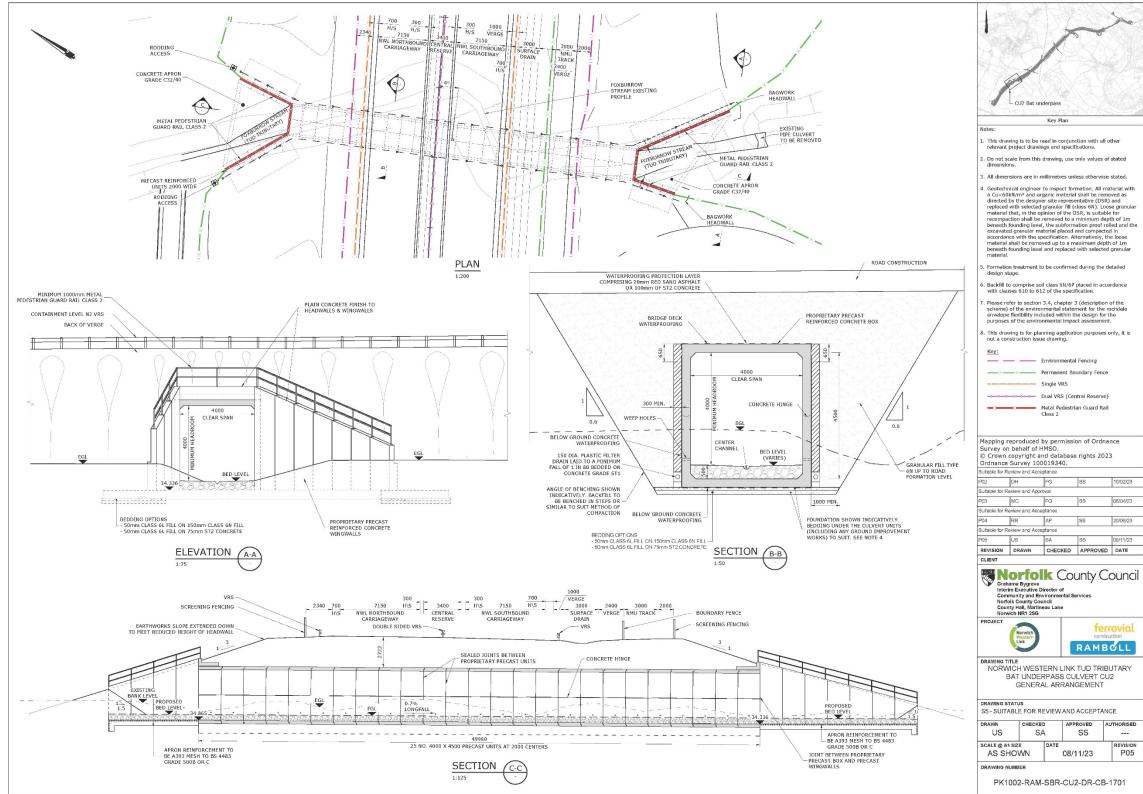


Figure 1-2 - The General Arrangement Drawings for The Tud Tributary Bat Underpass Culvert CU2, illustrating the structural cross section of the underpass

Norwich Western Link Appendix 6b Design of Green Bridges and Underpasses Document Reference: 3.11.06b



Do not scale from this drawing, use only values of stated

ular fill (class 6N). oth of 1m tively, the loose um depth of 1m

efer to section 3.4, chapter 3 (de tal statement for the rock within the design for the tal impact assessment.

This drawing is for planning application purposes only, it is not a construction issue drawing.

mental Fencing

Permanent Boundary Fence Single VRS

Dual VRS (Central Reserve) Metal Pedestrian Guard Rail Class 2

AP tance SA	SS	20/06/23
	SS	20/06/23
AP	SS	20/06/23
tance		
FG	SS	06/04/23
val		
FG	SS	10/02/23
tance		
	D19340. trance FG val FG	tance FG SS val FG SS

	ferrovial
	construction
RAI	мво́сь

DRAWING TITLE NORWICH WESTERN LINK TUD TRIBUTARY BAT UNDERPASS CULVERT CU2 GENERAL ARRANGEMENT

Þ A	APPROVED	AUTHORISED
DAT	e 08/11/23	REVISION P05

PK1002-RAM-SBR-CU2-DR-CB-1701



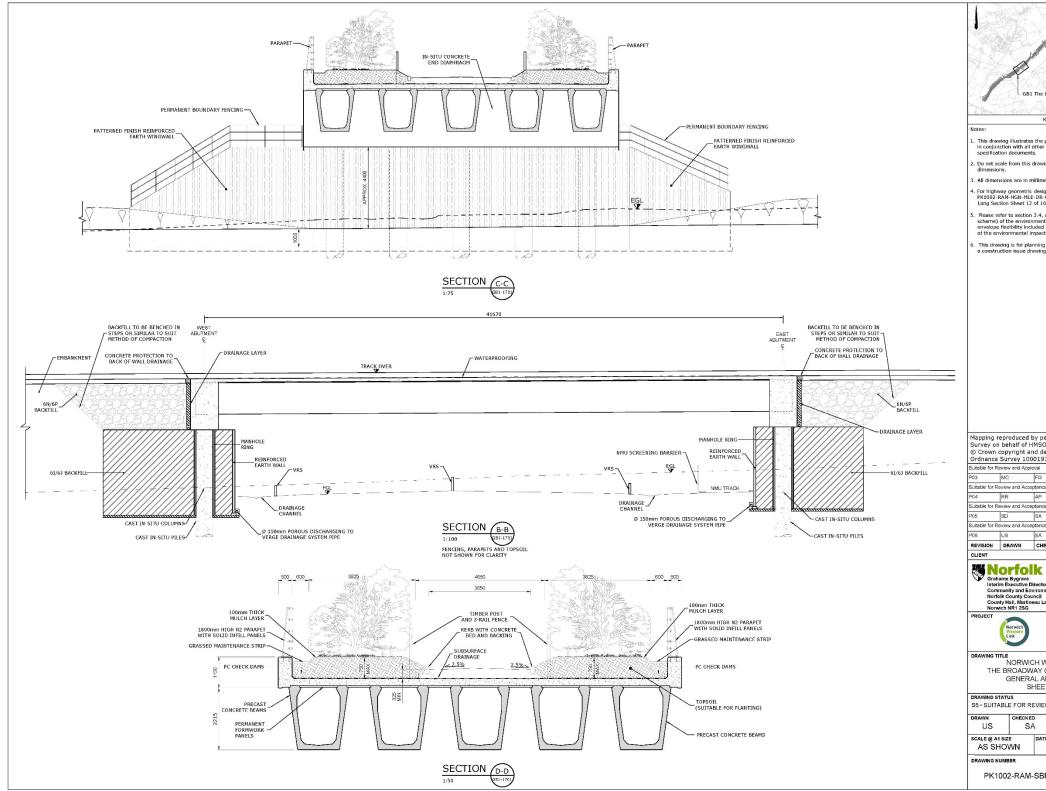


Figure 1-3 - The General Arrangement Drawings for The Broadway Green Bridge GB1, illustrating the structural cross section of the green bridge

	6.88	Alles	0	
1				
	A	SAZ.	1	ma
	×		X	10.00
R	200			X
2				WHAP -
				4 Contraction
				XX.
e br	oadway	green brid	ige	KAR SA
				Ser of
1	/ Plan	YAD	ΠŤ	TTE
RC:	rian			
e pri er re	oposed levant	design and project dra	l is wir	to be read igs and
wing	i, use o	nly values	ofs	stated
nete	ers unle	ss otherwi	se s	stated.
sign R-Ci 16.	refer to I-2613	o drawing Norwich W	est	ern Link
	apter 3 statem thin th	(description the design for the	on : roi r th	of the chdale ie purposes
				nly, it is not
per	missio	n of Ordr	nar	Ice
60. dati	abase	n of Ordr		
60. dati	abase			
60. dat 934	abase 0.	rights 20		
50. dat 934	abase 0.			
SO. dati 934	abase 0.	rights 20		
60. dati 934	abase 0.	rights 20 SS		06/04/23
60. dati 934	abase 0.	rights 20 SS		06/04/23
60. dati 934	abase 0.	ss ss ss		06/04/23 20/06/23 23/08/23
60. dati 932	abase 0.	ss ss ss ss ss	23	06/04/23 20/06/23 23/08/23 08/11/23
60. dati 932	abase 0.	ss ss ss	23	06/04/23 20/06/23 23/08/23
ice	KED	rights 20 SS SS SS APPROVE	023	06/04/23 20/06/23 23/08/23 08/11/23 DATE
ice	KED	ss ss ss ss ss	023	06/04/23 20/06/23 23/08/23 08/11/23 DATE
ince	KED	ss ss ss ss ss approve	023	06/04/23 20/06/23 23/08/23 08/11/23 DATE
HEC	KED	ss ss ss ss ss approve	023	06/04/23 20/06/23 23/08/23 08/11/23 DATE
HEC	KED	ss ss ss ss ss approve	023	06/04/23 20/06/23 23/08/23 08/11/23 DATE
ince	KED	rights 20 SS SS SS APPROVE unty C rvices		06/04/23 20/06/23 23/08/23 08/11/23 DATE DUNCII
HEC	kED Ol	rights 20 SS SS APPROVE Unty C rvices		0604/23 20/06/23 23/08/23 08/11/23 DATE DUNCII
HEC	kED Ol	rights 20 SS SS SS APPROVE unty C rvices		0604/23 20/06/23 23/08/23 08/11/23 DATE DUNCII
HEC	KED	ss ss ss approve unty C rvices		0604/23 20/06/23 23/08/23 08/11/23 DATE DUNCII
HEC	kED OCU OU STEI	rights 20 ss ss ss ss approve rikes RAME RAME RN LINK		060423 200623 23/08/23 23/08/23 08/11/23 DATE DUNCII
ince	kED	rights 20 SS SS SS SS APPROVE SS APPR		060423 200623 23/08/23 23/08/23 08/11/23 DATE DUNCII
ince	kED OCU OU STEI	rights 20 SS SS SS SS APPROVE SS APPR		060423 200623 23/08/23 23/08/23 08/11/23 DATE DUNCI tion
	kED COL of ntal Sei e ESTEI RANC 2 OF	International and a second sec		06604/23 20/06/23 23/08/23 23/08/11/23 DATE DUNCIL Stor
	kED COL of ntal Ser e SSTEI RANC 2 OF	rights 20 ss ss approve ricks ss controls ss approve approve app		06604/23 20/06/23 23/06/23 23/06/23 08/11/23 DATE DUNCIL Stor SB1
	kED COL of ntal Ser e ESTEI REEN RANG 2 OF AND /	rights 20 ss ss approve ricks ss controls ss approve approve app		06604/23 20/06/23 23/08/23 23/08/11/23 DATE DUNCIL Stor
VE GAR	kED COL of ntal Ser e ESTEI REEN RANG 2 OF AND /	rights 20 ISS ISS ISS ISS INTY C INTY C		0600423 2000623 2370823 08/11/23 DATE DUINCII
VE GAR	kED COL of ntal Ser e ESTEI REEN RANG 2 OF AND /	rights 20 ISS ISS ISS INTY C INTY		06604/23 20/06/23 23/06/23 23/06/23 08/11/23 DATE DUNCIL Stor SB1
	KED KED COL of ntal Sec e E SSTE/ REEN RAN(C 2 OF AND / APPF	rights 20 ISS ISS ISS INTY C INTY		06004/23 20006/23 23/004/23 DATE DATE DUNCI SB1 E THORISED
Vice tor of ART	KED COL of Initial Series REANING 2 OF AND / APPP 08/1	rights 20 SS SS SS APPROVE SS APPROVE SS APPROVE SS SS 1/23		0604/23 2006/23 23/08/23 DATE DUNCI DUNCI SB1
Vice tor of ART	KED COL of Initial Series REANING 2 OF AND / APPP 08/1	rights 20 ISS ISS ISS INTY C INTY		0604/23 2006/23 23/08/23 DATE DUNCI DUNCI SB1



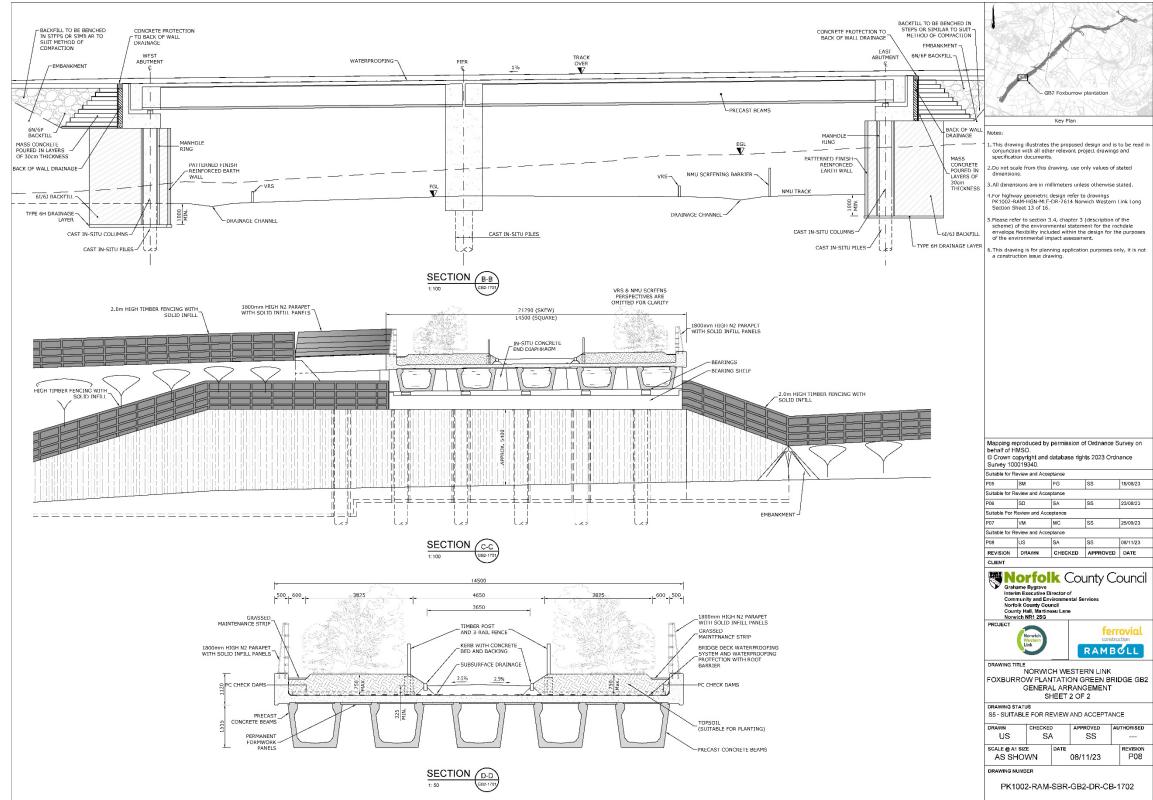


Figure 1-4 - The General Arrangement Drawings for The Foxburrow Plantation Green Bridge GB2, illustrating the structural cross section of the green bridge

	CHECKED	APPROVED	DATE
_	CHECKED	APPROVED	DATE
	SA	SS	08/11/23
ccep	otance		
	MC	SS	25/09/23
COS	ptance		
	SA	SS	23/08/23
ccep	plance		
	FG	SS	18/08/23

REVIEW AND ACCEPTANCE				
KED SA		APPROVED	AU	THORISED
	DATE	08/11/23		REVISION P08



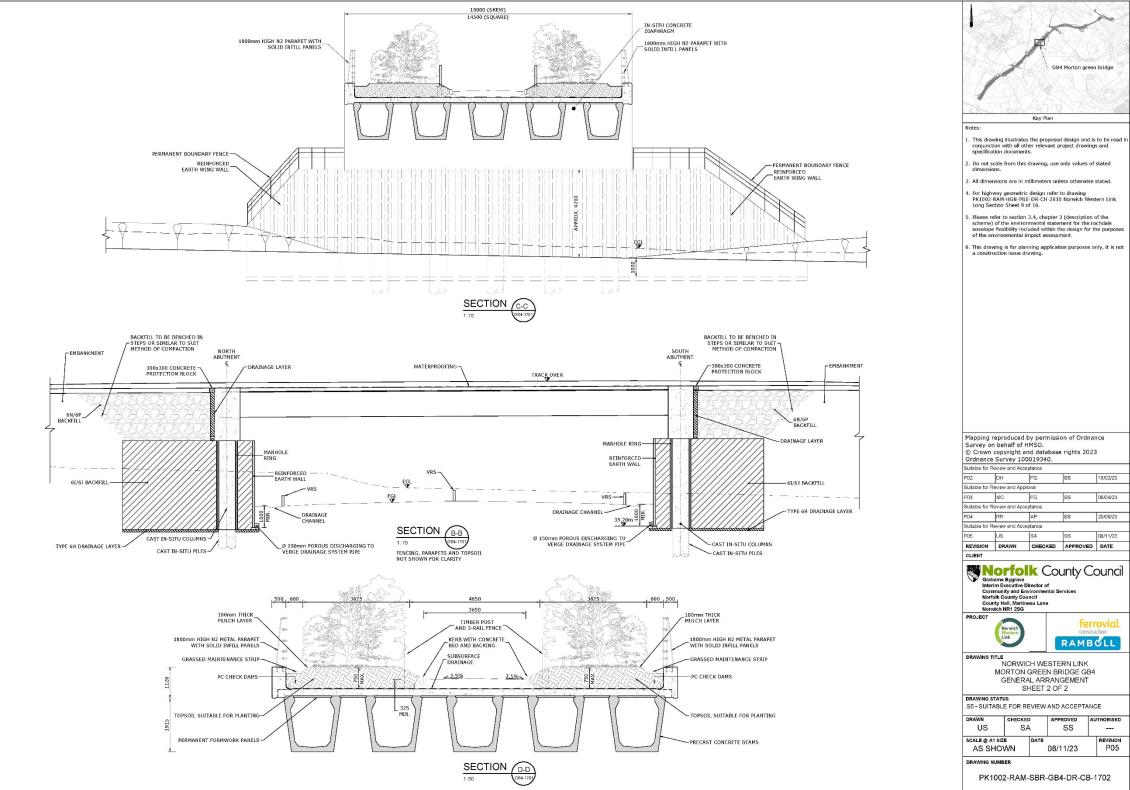


Figure 1-5 - The General Arrangement Drawings for The Morton Green Bridge GB4, illustrating the structural cross section of the green bridge

MSO.	sion of Or Ise rights	
otance		
FG	SS	10/02/23
oval		
FG	SS	06/04/23
otance		
AP	SS	20/06/23
stance		
SA	SS	08/11/23

k County Council					
rector of ironmental Services noil au Lane					
	cons	Trov truction			
	RAM	301	.L		
WESTERN LINK BREEN BRIDGE GB4 L ARRANGEMENT IEET 2 OF 2					
VIEW AND ACCEPTANCE					
	APPROVED	AUTHO	RISED		
	SS				
DATE		RE	/ISION		



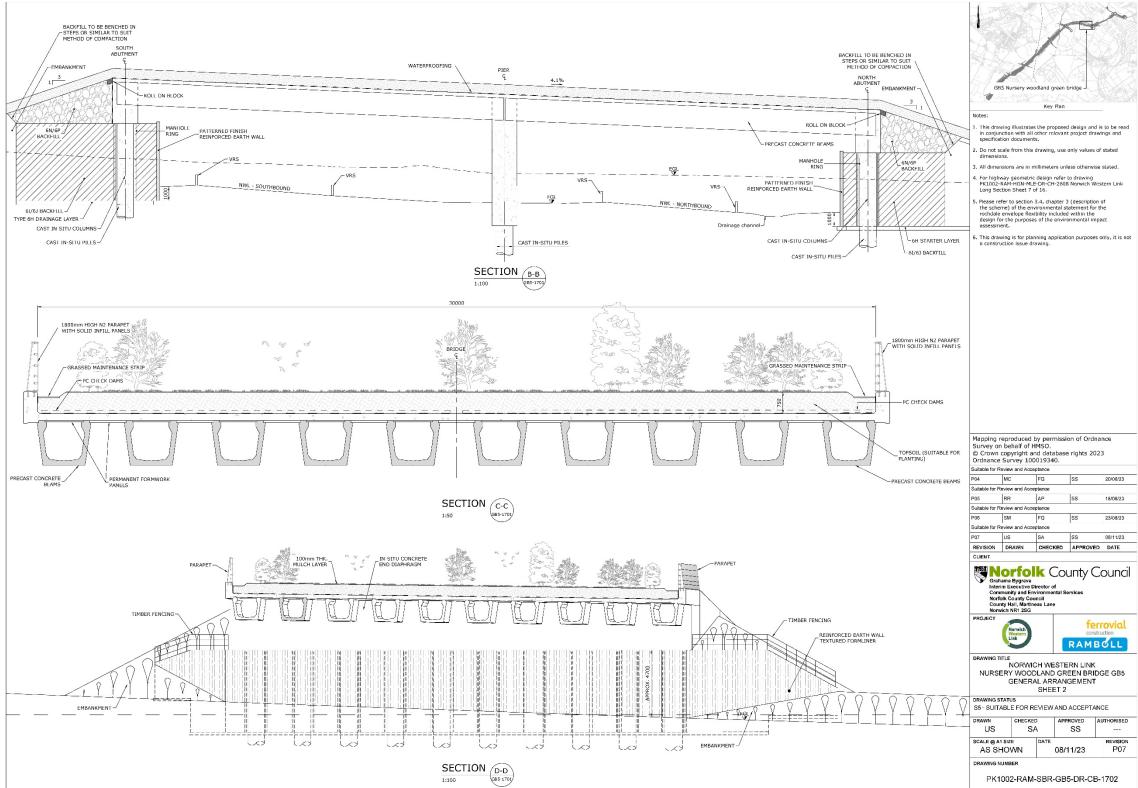


Figure 1-6 - The General Arrangement Drawings for The Nursery Woodland Green Bridge GB5, illustrating the structural cross section of the green bridge

CHECKED	APPROVED	DATE
SA	SS	08/11/23
tance		
FG	SS	23/08/23
tance		
AP	SS	18/08/23
tance	~	
FG	SS	20/06/23
tance		
150.	on of Ordna e rights 2023	

	APPROVED	AUTHORISED	
08/11/23		REVISION P07	