

NOTES

- LEVELS AND HEIGHTS IN METRES.
- THIS DRAWING IS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF SECTION 60 AND SCHEDULE 2 OF FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE NEWTON STEWART FLOOD PROTECTION SCHEME STATEMENT AND DETAILED DRAWINGS AND CROSS SECTIONS.
- THE DESCRIPTION OF THE OPERATIONS REFERRED TO ON THIS DRAWING CAN BE FOUND IN THE FLOOD PROTECTION SCHEME STATEMENT.
- INFORMATION RECEIVED FROM STATUTORY UNDERTAKERS HAS BEEN USED TO IDENTIFY LOCATIONS OF SERVICES. EXACT LOCATION OF THESE SERVICES WILL BE DETERMINED DURING DETAILED DESIGN.
- THE LOCATION AND HORIZONTAL EXTENT OF THE OPERATIONS MAY VARY BY THESE LIMITS (WHERE APPLIED) AS NOTED IN THE FLOOD PROTECTION SCHEME STATEMENT.
- CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE.
- THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE.
- EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE.

- FLOOD PROTECTION KEY**
- INDICATIVE LOCATION OF FLOOD WALLS
 - INDICATIVE LOCATION OF EROSION PROTECTION
 - INDICATIVE LOCATION OF FLOOD EMBANKMENT
 - INDICATIVE LOCATION OF RE-PROFILED CHANNEL
 - SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 - SCHEME BOUNDARY

- STRUCTURE REFERENCE**
- PR1**
- ↑ STRUCTURE NUMBER (NUMBERED NORTH TO SOUTH ALONG EACH RIVER BANK IRRESPECTIVE OF STRUCTURE TYPE OR LOCATION)
 - ↑ STRUCTURE TYPE
 - ↑ LOCATION

- LOCATION:**
- P = PENKILN BURN
 - M = MILLCROFT ROAD
 - K = KING STREET
 - A = ARTHUR STREET
 - C = CREE BRIDGE
 - R = RIVER SIDE ROAD
 - G = GOODS LANE
 - S = SPARLING BRIDGE
- STRUCTURE TYPE:**
- B = FLOOD EMBANKMENT
 - R = FLOOD WALL
 - C = CHANNEL
 - G = EROSION PROTECTION

11	02/05/23	MINOR REVISIONS	BBMD	DCE	DCE
FOR PREVIOUS REVISIONS SEE REVISION 10					
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall identify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk

SWECO

Client

Dumfries & Galloway

Drawing Status

FOR INFORMATION

Project Title

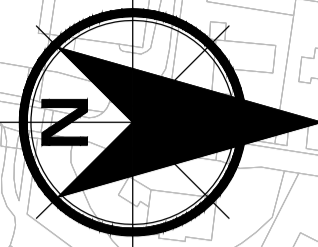
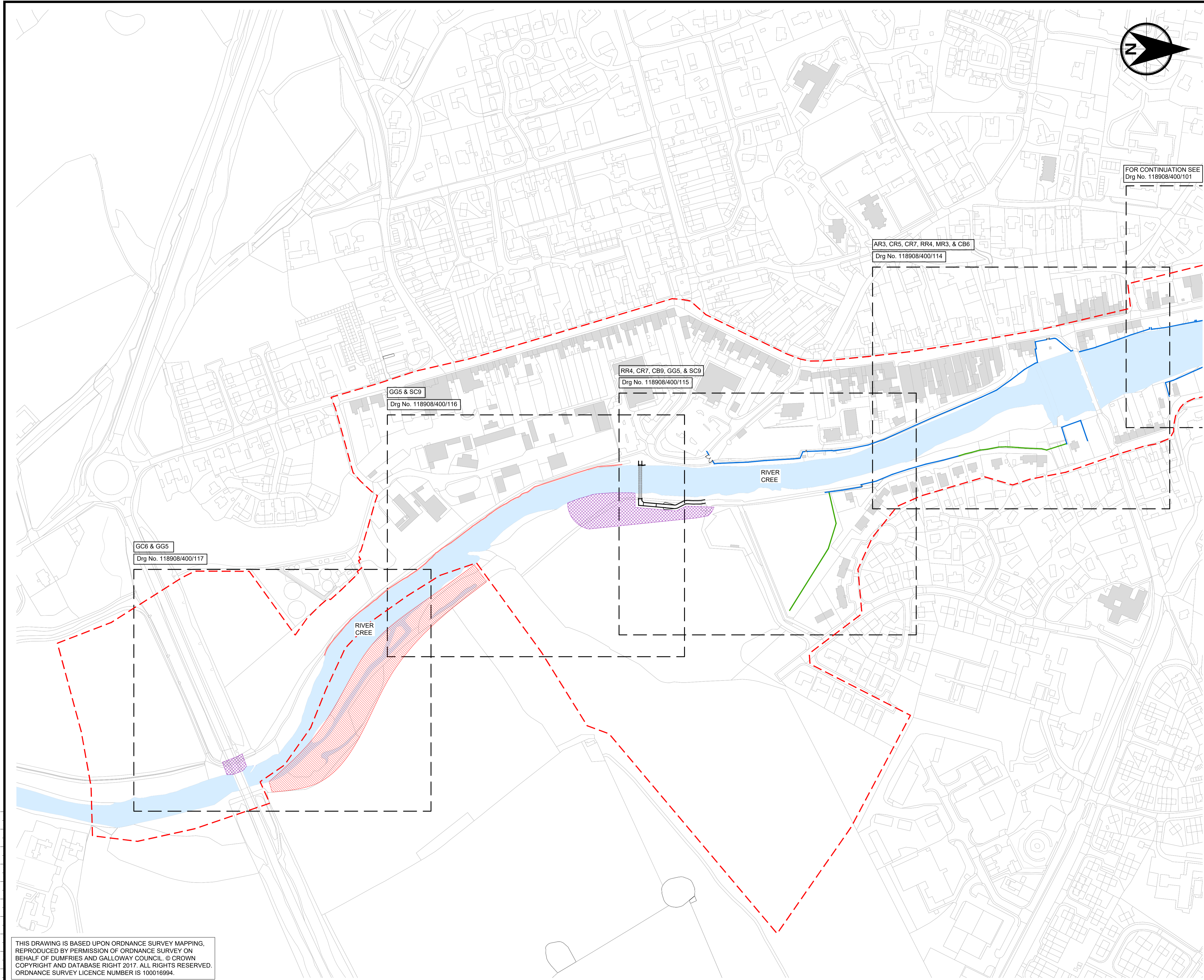
NEWTON STEWART FLOOD PROTECTION SCHEME

Drawing Title

FLOOD PROTECTION SCHEME LAYOUT PLAN SHEET 1 OF 2

Scale	1:2000	Designed	GO	Drawn	JN	Checked	DCE	Approved	DL	
Original Size	A1	Date	17/08/18	Date	17/08/18	Date	17/08/18	Date	17/08/18	
Drawing Number	118908/400/101								Revision	11

THIS DRAWING IS BASED UPON ORDNANCE SURVEY MAPPING. REPRODUCED BY PERMISSION OF ORDNANCE SURVEY ON BEHALF OF DUMFRIES AND GALLOWAY COUNCIL. © CROWN COPYRIGHT AND DATABASE RIGHT 2017. ALL RIGHTS RESERVED. ORDNANCE SURVEY LICENCE NUMBER IS 100016994.



FOR CONTINUATION SEE
Drg No. 118908/400/101

AR3, CR5, CR7, RR4, MR3, & CB6
Drg No. 118908/400/114

RR4, CR7, CB9, GG5, & SC9
Drg No. 118908/400/115

GG5 & SC9
Drg No. 118908/400/116

GC6 & GG5
Drg No. 118908/400/117

RIVER CREE

RIVER CREE

THIS DRAWING IS BASED UPON ORDNANCE SURVEY MAPPING. REPRODUCED BY PERMISSION OF ORDNANCE SURVEY ON BEHALF OF DUMFRIES AND GALLOWAY COUNCIL. © CROWN COPYRIGHT AND DATABASE RIGHT 2017. ALL RIGHTS RESERVED. ORDNANCE SURVEY LICENCE NUMBER IS 100016994.

NOTES

- LEVELS AND HEIGHTS IN METRES.
- THIS DRAWING IS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF SECTION 60 AND SCHEDULE 2 OF FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE NEWTON STEWART FLOOD PROTECTION SCHEME STATEMENT AND DETAILED DRAWINGS AND CROSS SECTIONS.
- THE DESCRIPTION OF THE OPERATIONS REFERRED TO ON THIS DRAWING CAN BE FOUND IN THE FLOOD PROTECTION SCHEME STATEMENT.
- INFORMATION RECEIVED FROM STATUTORY UNDERTAKERS HAS BEEN USED TO IDENTIFY LOCATIONS OF SERVICES. EXACT LOCATION OF THESE SERVICES WILL BE DETERMINED DURING DETAILED DESIGN.
- THE LOCATION AND HORIZONTAL EXTENT OF THE OPERATIONS MAY VARY BY THESE LIMITS (WHERE APPLIED) AS NOTED IN THE FLOOD PROTECTION SCHEME STATEMENT.
- CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE.
- THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE.
- EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE.

FLOOD PROTECTION KEY

- INDICATIVE LOCATION OF FLOOD WALLS
- INDICATIVE LOCATION OF EROSION PROTECTION
- INDICATIVE LOCATION OF FLOOD EMBANKMENT
- INDICATIVE LOCATION OF RE-PROFILED CHANNEL
- SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)
- SCHEME BOUNDARY

STRUCTURE REFERENCE

- PR1**
- STRUCTURE NUMBER (NUMBERED NORTH TO SOUTH ALONG EACH RIVER BANK IRRESPECTIVE OF STRUCTURE TYPE OR LOCATION)
 - STRUCTURE TYPE
 - LOCATION

- LOCATION:**
- P = PENKILN BURN
 - M = MILLCROFT ROAD
 - K = KING STREET
 - A = ARTHUR STREET
 - C = CREE BRIDGE
 - R = RIVER SIDE ROAD
 - G = GOODS LANE
 - S = SPARLING BRIDGE
- STRUCTURE TYPE:**
- B = FLOOD EMBANKMENT
 - R = FLOOD WALL
 - C = CHANNEL
 - G = EROSION PROTECTION

13	05/05/23	MINOR REVISIONS	BBMD	DCE	DCE
		FOR PREVIOUS REVISIONS SEE REVISION 12			
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk



Client
Dumfries & Galloway COUNCIL

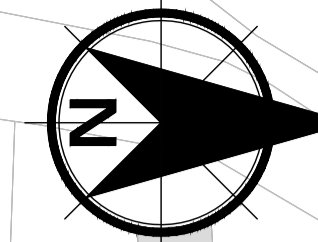
Drawing Status
FOR INFORMATION

Project Title
NEWTON STEWART FLOOD PROTECTION SCHEME

Drawing Title
FLOOD PROTECTION SCHEME LAYOUT PLAN SHEET 2 OF 2

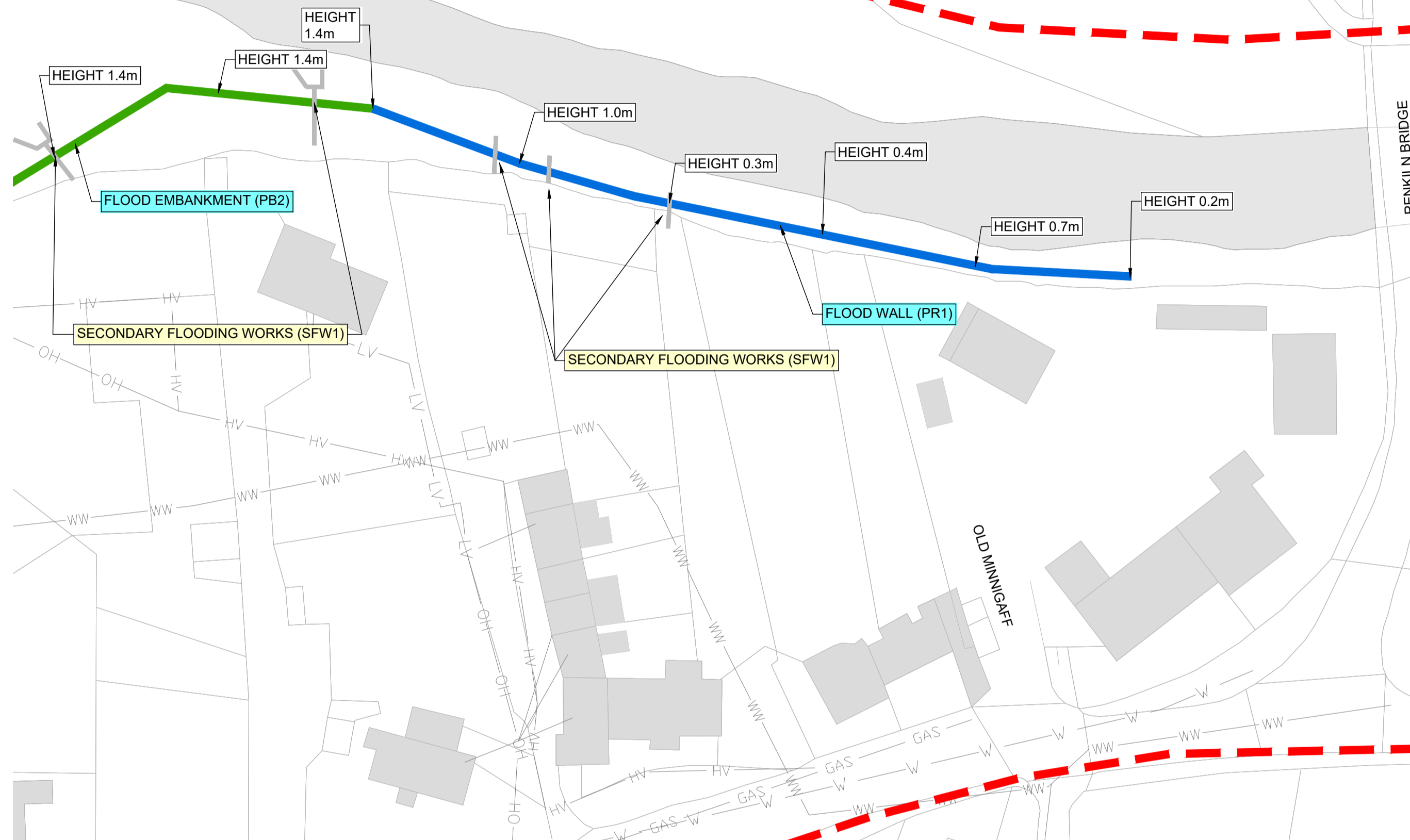
Scale	1:2000	Designed	GO	Drawn	JN	Checked	DCE	Approved	DL	
Original Size	A1	Date	17/08/18	Date	17/08/18	Date	17/08/18	Date	17/08/18	
Drawing Number	118908/400/102								Revision	13

CONTINUED ON
DRAWING No.
118908/400/112



RIVER CREE

MINNIGAFF
PARISH
CHURCH



NOTES

1. LEVELS AND HEIGHTS IN METRES.
2. ALL HEIGHTS AND LENGTHS ARE APPROXIMATE.
3. FOR ADDITIONAL NOTES REFER TO DRAWING Nos. 118908/400/101 & 102.
4. INDICATED HEIGHTS ARE RELATIVE TO ADJACENT GROUND LEVEL AT APPROXIMATELY 10M INTERVALS
5. CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
6. THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
7. EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE

FLOOD PROTECTION KEY

- INDICATIVE LOCATION OF FLOOD WALLS
- INDICATIVE LOCATION OF FLOOD EMBANKMENT
- SCHEME BOUNDARY

PUBLIC UTILITIES KEY

- WASTE WATER NETWORK
- GAS MAIN
- WATER MAIN
- UNDERGROUND LV ELECTRIC
- UNDERGROUND HV ELECTRIC
- OVERHEAD POWER LINE

STRUCTURE REFERENCE

- PR1**
- ↑ STRUCTURE NUMBER (NUMBERED NORTH TO SOUTH ALONG EACH RIVER BANK IRRESPECTIVE OF STRUCTURE TYPE OR LOCATION)
 - ↑ STRUCTURE TYPE
 - ↑ LOCATION

- LOCATION:**
P = PENKILN BURN
M = MILLCROFT ROAD
A = ARTHUR STREET
C = CREE BRIDGE
R = RIVERSIDE ROAD
G = GOODS LANE
S = SPARLING BRIDGE
- STRUCTURE TYPE:**
B = FLOOD EMBANKMENT
R = FLOOD WALL
C = CHANNEL
G = EROSION PROTECTION

DIVERSION/PROTECTION REFERENCE

- DP1**
- ↑ NUMBERED NORTH TO SOUTH DIVERSION / PROTECTION WORKS

SECONDARY FLOODING WORKS REFERENCE

- SFW1**
- ↑ NUMBERED NORTH TO SOUTH SECONDARY FLOODING WORKS

12	02/05/23	MINOR REVISIONS	BMD	DCE	DCE
FOR PREVIOUS REVISIONS SEE REVISION 11					
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk

Client

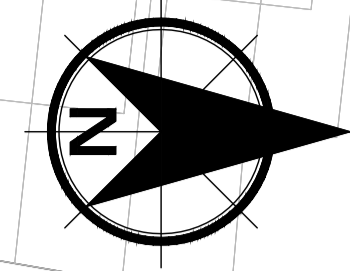
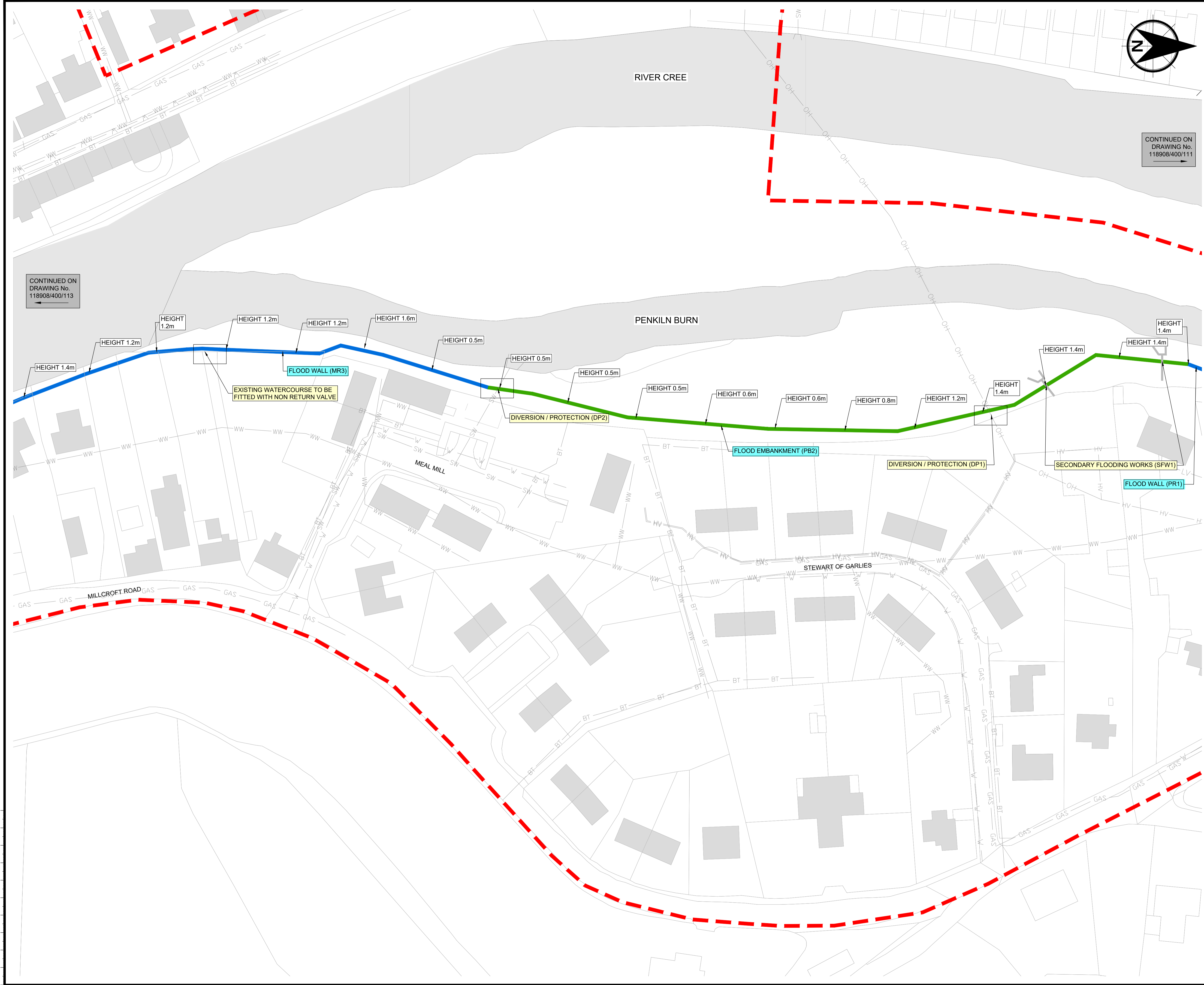
Dumfries & Galloway
COUNCIL

Drawing Status **FOR INFORMATION**

Project Title
**NEWTON STEWART
FLOOD PROTECTION SCHEME**

Drawing Title
**FLOOD WALLS PR1
FLOOD EMBANKMENT PB2
PENKILN BURN**

Scale	1:500	Designed	GO	Drawn	JN	Checked	DCE	Approved	DL	
Original Size	A1	Date	17/08/18	Date	17/08/18	Date	17/08/18	Date	17/08/18	
Drawing Number	118908/400/111								Revision	12



NOTES

- LEVELS AND HEIGHTS IN METRES.
- ALL HEIGHTS AND LENGTHS ARE APPROXIMATE.
- FOR ADDITIONAL NOTES REFER TO DRAWING Nos. 118908/400/101 & 102.
- INDICATED HEIGHTS ARE RELATIVE TO ADJACENT GROUND LEVEL AT APPROXIMATELY 10M INTERVALS
- CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
- THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
- EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE

FLOOD PROTECTION KEY

- INDICATIVE LOCATION OF FLOOD WALLS
- INDICATIVE LOCATION OF FLOOD EMBANKMENT
- - - SCHEME BOUNDARY

PUBLIC UTILITIES KEY

- SW — SW — SURFACE WATER SEWER
- WW — WW — WASTE WATER NETWORK
- GAS — GAS — GAS MAIN
- W — W — WATER MAIN
- HV — HV — UNDERGROUND HV ELECTRIC
- BT — BT — UNDERGROUND BT
- OH — OH — OVERHEAD POWER LINE

STRUCTURE REFERENCE

- PR1**
- ↑ STRUCTURE NUMBER (NUMBERED NORTH TO SOUTH ALONG EACH RIVER BANK IRRESPECTIVE OF STRUCTURE TYPE OR LOCATION)
 - ↓ STRUCTURE TYPE
 - ← LOCATION

- LOCATION:**
- P = PENKILN BURN
 - M = MILLCROFT ROAD
 - A = ARTHUR STREET
 - C = CREE BRIDGE
 - R = RIVER SIDE ROAD
 - G = GOODS LANE
 - S = SPARLING BRIDGE
- STRUCTURE TYPE:**
- B = FLOOD EMBANKMENT
 - R = FLOOD WALL
 - C = CHANNEL
 - G = EROSION PROTECTION

DIVERSION/PROTECTION REFERENCE

- DP1**
- ↑ NUMBERED NORTH TO SOUTH DIVERSION / PROTECTION WORKS

SECONDARY FLOODING WORKS REFERENCE

- SFW1**
- ↑ NUMBERED NORTH TO SOUTH SECONDARY FLOODING WORKS

12	02/05/23	MINOR REVISIONS	BBMD	DCE	DCE
FOR PREVIOUS REVISIONS SEE REVISION 11					
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall identify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk



Client
Dumfries & Galloway COUNCIL

Drawing Status
FOR INFORMATION

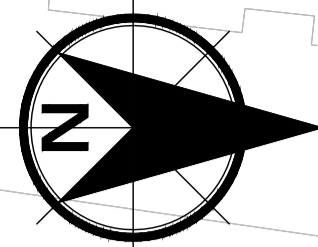
Project Title
NEWTON STEWART FLOOD PROTECTION SCHEME

Drawing Title
FLOOD WALLS PR1 & MR3 FLOOD EMBANKMENTS PB2 PENKILN BURN

Scale	1:500	Designed	GO	Drawn	JN	Checked	DCE	Approved	DL
Original Size	A1	Date	17/08/18	Date	17/08/18	Date	17/08/18	Date	17/08/18

Drawing Number
118908/400/112

Revision
12



NOTES

- LEVELS AND HEIGHTS IN METRES.
- ALL HEIGHTS AND LENGTHS ARE APPROXIMATE.
- FOR ADDITIONAL NOTES REFER TO DRAWING NOS. 118908/400/101 & 102.
- INDICATED HEIGHTS ARE RELATIVE TO ADJACENT GROUND LEVEL AT APPROXIMATELY 10M INTERVALS
- CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
- THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
- EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE

- FLOOD PROTECTION KEY**
- INDICATIVE LOCATION OF FLOOD WALLS
 - INDICATIVE LOCATION OF FLOOD EMBANKMENT
 - SCHEME BOUNDARY

- PUBLIC UTILITIES KEY**
- SW SW SURFACE WATER SEWER
 - WW WW WASTE WATER NETWORK
 - GAS GAS LP GAS MAIN
 - W W WATER MAIN
 - LV LV UNDERGROUND LV ELECTRIC
 - HV HV UNDERGROUND HV ELECTRIC
 - BT BT UNDERGROUND BT

- STRUCTURE REFERENCE**
- PR1**
- STRUCTURE NUMBER (NUMBERED NORTH TO SOUTH ALONG EACH RIVER BANK IRRESPECTIVE OF STRUCTURE TYPE OR LOCATION)
 - STRUCTURE TYPE
 - LOCATION

- LOCATION:**
- P = PENKILN BURN
 - B = FLOOD EMBANKMENT
 - M = MILLCROFT ROAD
 - A = ARTHUR STREET
 - C = CREE BRIDGE
 - R = RIVER SIDE ROAD
 - G = GOODS LANE
 - S = SPARLING BRIDGE
- STRUCTURE TYPE:**
- B = FLOOD EMBANKMENT
 - R = FLOOD WALL
 - C = CHANNEL
 - G = EROSION PROTECTION

DIVERSION/PROTECTION REFERENCE

- DP1**
- NUMBERED NORTH TO SOUTH DIVERSION / PROTECTION WORKS

SECONDARY FLOODING WORKS REFERENCE

- SFW1**
- NUMBERED NORTH TO SOUTH SECONDARY FLOODING WORKS

13	02/05/23	MINOR REVISIONS	BBMD	DCE	DCE	
Rev.		Date	Amendment Details	Drawn	Chk'd	App'd
FOR PREVIOUS REVISIONS SEE REVISION 12						

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall identify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk

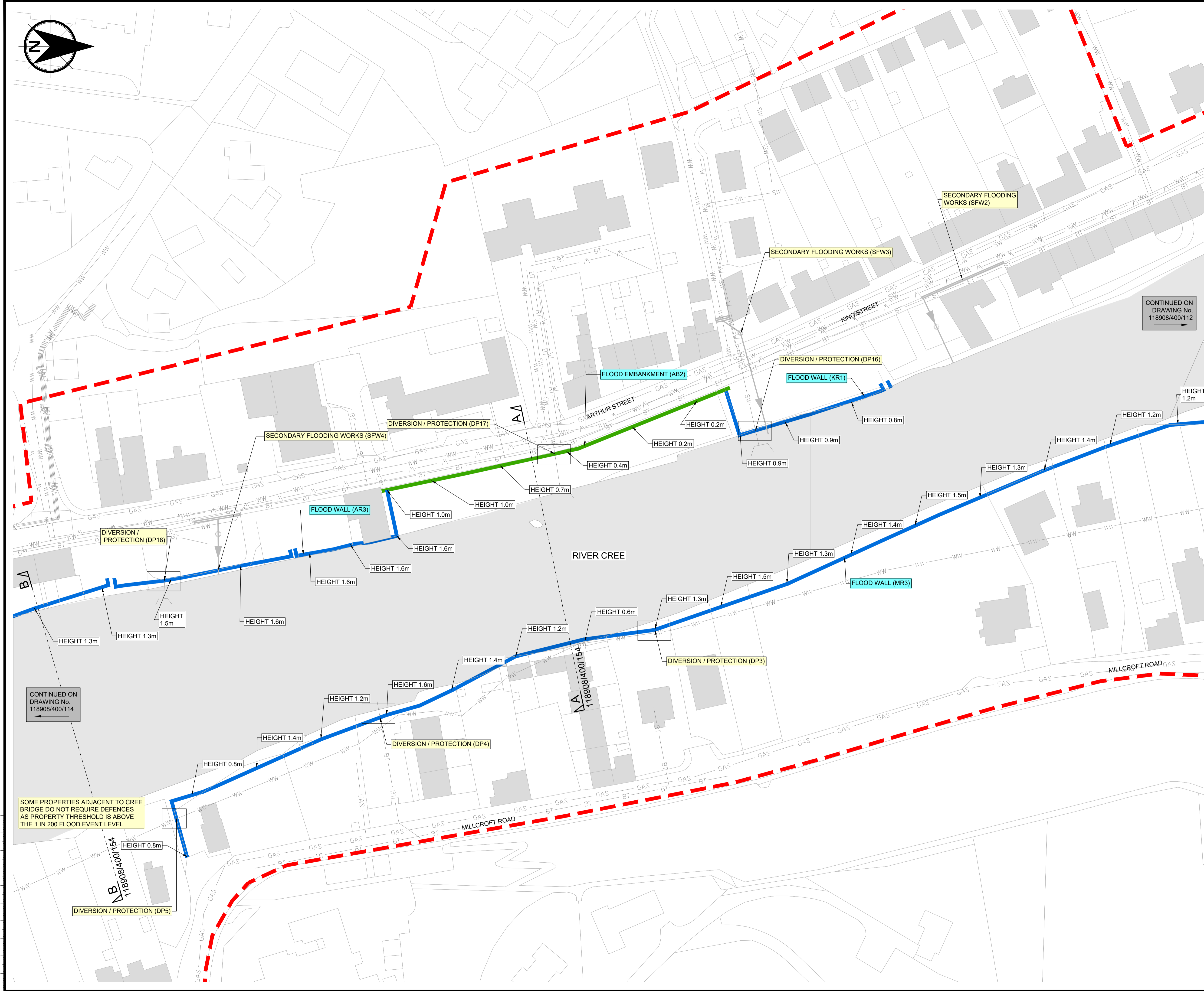


Client
FOR INFORMATION

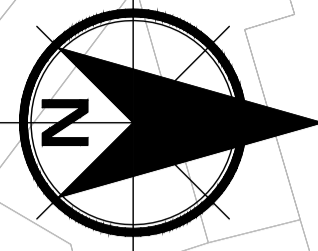
Project Title
NEWTON STEWART FLOOD PROTECTION SCHEME

Drawing Title
FLOOD WALLS MR3, KR1, AR3 FLOOD EMBANKMENT AB2 RIVER CREE

Scale	1:500	Designed	GO	Drawn	JN	Checked	DCE	Approved	DL	
Original Size	A1	Date	17/08/18	Date	17/08/18	Date	17/08/18	Date	17/08/18	
Drawing Number	118908/400/113								Revision	13



SOME PROPERTIES ADJACENT TO CREE BRIDGE DO NOT REQUIRE DEFENCES AS PROPERTY THRESHOLD IS ABOVE THE 1 IN 200 FLOOD EVENT LEVEL



NOTES

- LEVELS AND HEIGHTS IN METRES.
- ALL HEIGHTS AND LENGTHS ARE APPROXIMATE.
- FOR ADDITIONAL NOTES REFER TO DRAWING Nos. 118908/400/101 & 102.
- INDICATED HEIGHTS ARE RELATIVE TO ADJACENT GROUND LEVEL.
- CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE.
- THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE.
- EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE.

- FLOOD PROTECTION KEY**
- INDICATIVE LOCATION OF FLOOD WALLS
 - INDICATIVE LOCATION OF FLOOD EMBANKMENT
 - SCHEME BOUNDARY

- PUBLIC UTILITIES KEY**
- SW - SURFACE WATER SEWER
 - WW - WASTE WATER NETWORK
 - GAS - GAS MAIN
 - W - WATER MAIN
 - LV - UNDERGROUND LV ELECTRIC
 - HV - UNDERGROUND HV ELECTRIC
 - BT - UNDERGROUND BT

- STRUCTURE REFERENCE**
- PR1**
- STRUCTURE NUMBER (NUMBERED NORTH TO SOUTH ALONG EACH RIVER BANK IRRESPECTIVE OF STRUCTURE TYPE OR LOCATION)
 - STRUCTURE TYPE
 - LOCATION
- LOCATION:**
- P = PENKILN BURN
 - M = MILLCROFT ROAD
 - A = ARTHUR STREET
 - C = CREE BRIDGE
 - R = RIVER SIDE ROAD
 - G = GOODS LANE
 - S = SPARLING BRIDGE
- STRUCTURE TYPE:**
- B = FLOOD EMBANKMENT
 - R = FLOOD WALL
 - C = CHANNEL
 - G = EROSION PROTECTION

- DIVERSION/PROTECTION REFERENCE**
- DP1**
- NUMBERED NORTH TO SOUTH DIVERSION / PROTECTION WORKS
- SECONDARY FLOODING WORKS REFERENCE**
- SFW1**
- NUMBERED NORTH TO SOUTH SECONDARY FLOODING WORKS

14	02/05/23	MINOR REVISIONS	BBMD	DCE	DCE
FOR PREVIOUS REVISIONS SEE REVISION 13					
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall identify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk



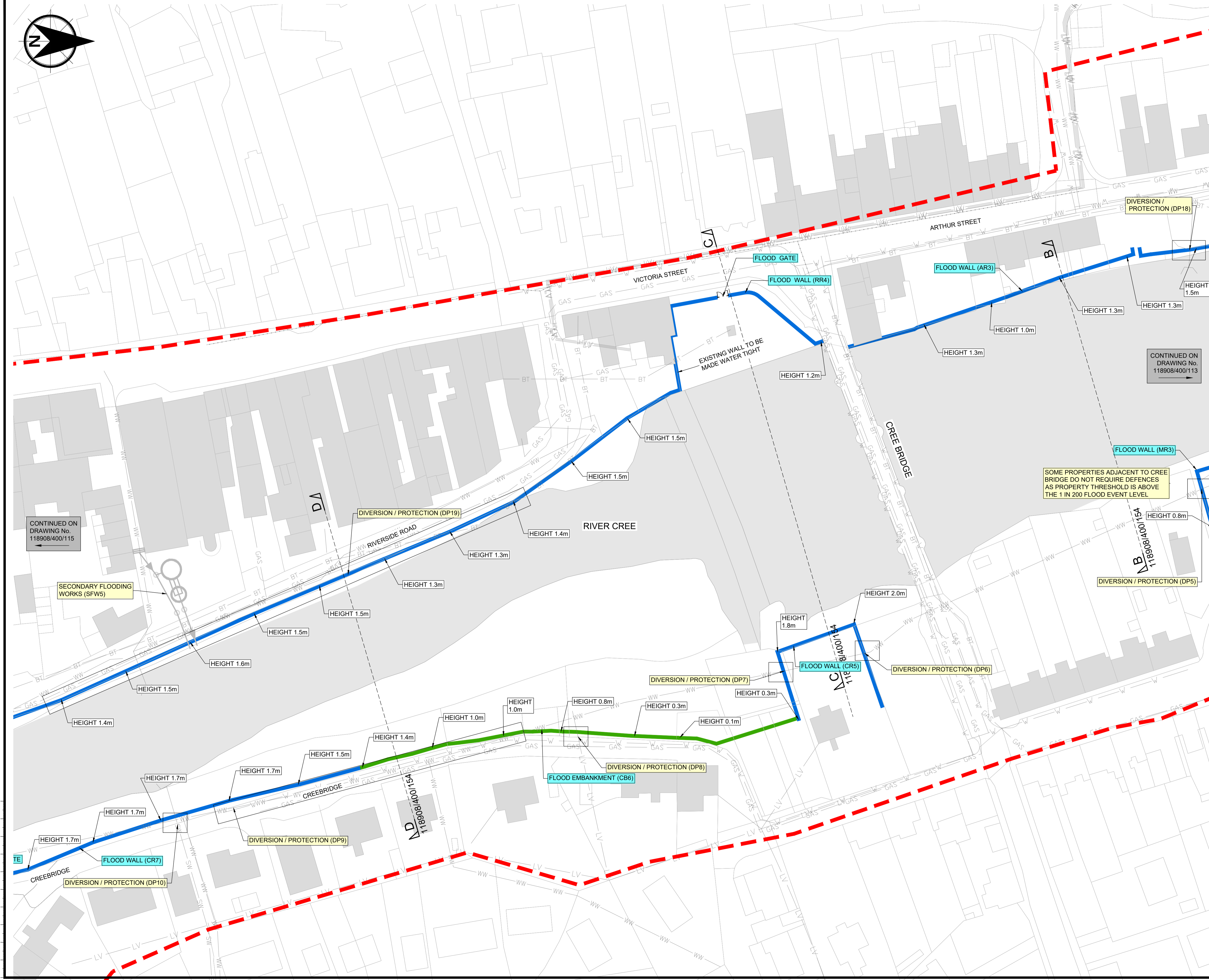
Client
Dumfries & Galloway COUNCIL

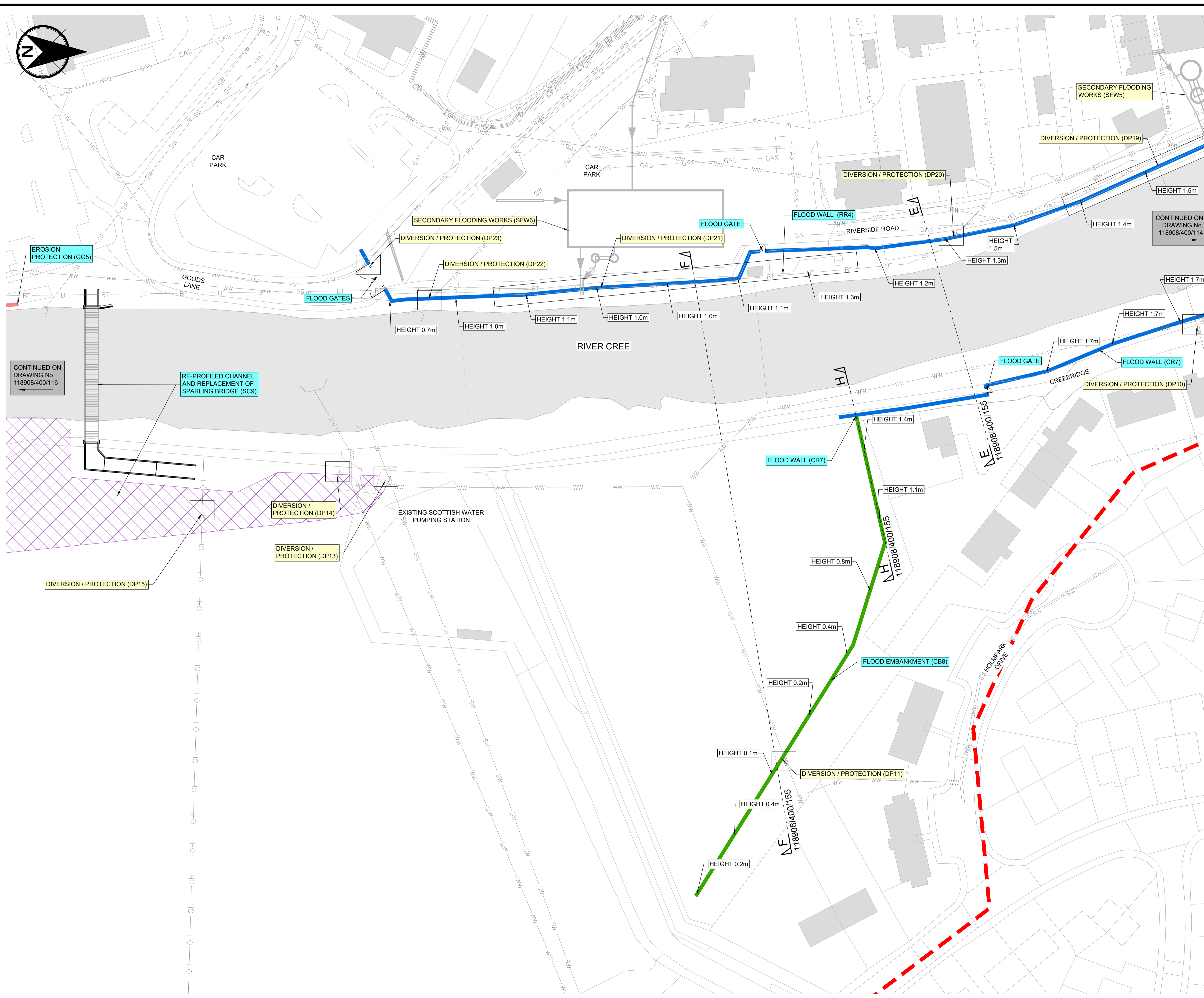
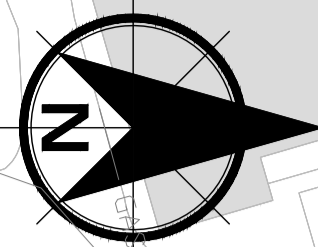
Drawing Status
FOR INFORMATION

Project Title
NEWTON STEWART FLOOD PROTECTION SCHEME

Drawing Title
FLOOD WALLS AR3, CR5, CR7, RR4, MR3 FLOOD EMBANKMENT CB6 RIVER CREE

Scale	1:500	Designed	GO	Drawn	JN	Checked	DCE	Approved	DL	
Original Size	A1	Date	17/08/18	Date	17/08/18	Date	17/08/18	Date	17/08/18	
Drawing Number	118908/400/114								Revision	14





NOTES

1. LEVELS AND HEIGHTS IN METRES.
2. ALL HEIGHTS AND LENGTHS ARE APPROXIMATE.
3. FOR ADDITIONAL NOTES REFER TO DRAWING Nos. 118908/400/101 & 102.
4. INDICATED HEIGHTS ARE RELATIVE TO ADJACENT GROUND LEVEL AT APPROXIMATELY 10M INTERVALS
5. CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
6. THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
7. EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE

- FLOOD PROTECTION KEY**
- INDICATIVE LOCATION OF FLOOD WALLS
 - INDICATIVE LOCATION OF FLOOD EMBANKMENT
 - INDICATIVE LOCATION OF RE-PROFILED CHANNEL
 - SCHEME BOUNDARY

- PUBLIC UTILITIES KEY**
- SW - SURFACE WATER SEWER
 - WW - WASTE WATER NETWORK
 - GAS - GAS MAIN
 - W - WATER MAIN
 - LV - UNDERGROUND LV ELECTRIC
 - HV - UNDERGROUND HV ELECTRIC
 - BT - UNDERGROUND BT
 - OH - OVERHEAD POWER LINE

- STRUCTURE REFERENCE**
- PR1**
- STRUCTURE NUMBER (NUMBERED NORTH TO SOUTH ALONG EACH RIVER BANK IRRESPECTIVE OF STRUCTURE TYPE OR LOCATION)
 - STRUCTURE TYPE
 - LOCATION
- LOCATION:**
- P = PENKILN BURN
 - M = MILLCROFT ROAD
 - A = ARTHUR STREET
 - C = CREE BRIDGE
 - R = RIVER SIDE ROAD
 - G = GOODS LANE
 - S = SPARLING BRIDGE
- STRUCTURE TYPE:**
- B = FLOOD EMBANKMENT
 - R = FLOOD WALL
 - C = CHANNEL
 - G = EROSION PROTECTION

- DIVERSION/PROTECTION REFERENCE**
- DP1**
- NUMBERED NORTH TO SOUTH DIVERSION / PROTECTION WORKS
- SECONDARY FLOODING WORKS REFERENCE**
- SFW1**
- NUMBERED NORTH TO SOUTH SECONDARY FLOODING WORKS

14	02/05/23	MINOR REVISIONS	BBMD	DCE	DCE
FOR PREVIOUS REVISIONS SEE REVISION 13					
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall identify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk



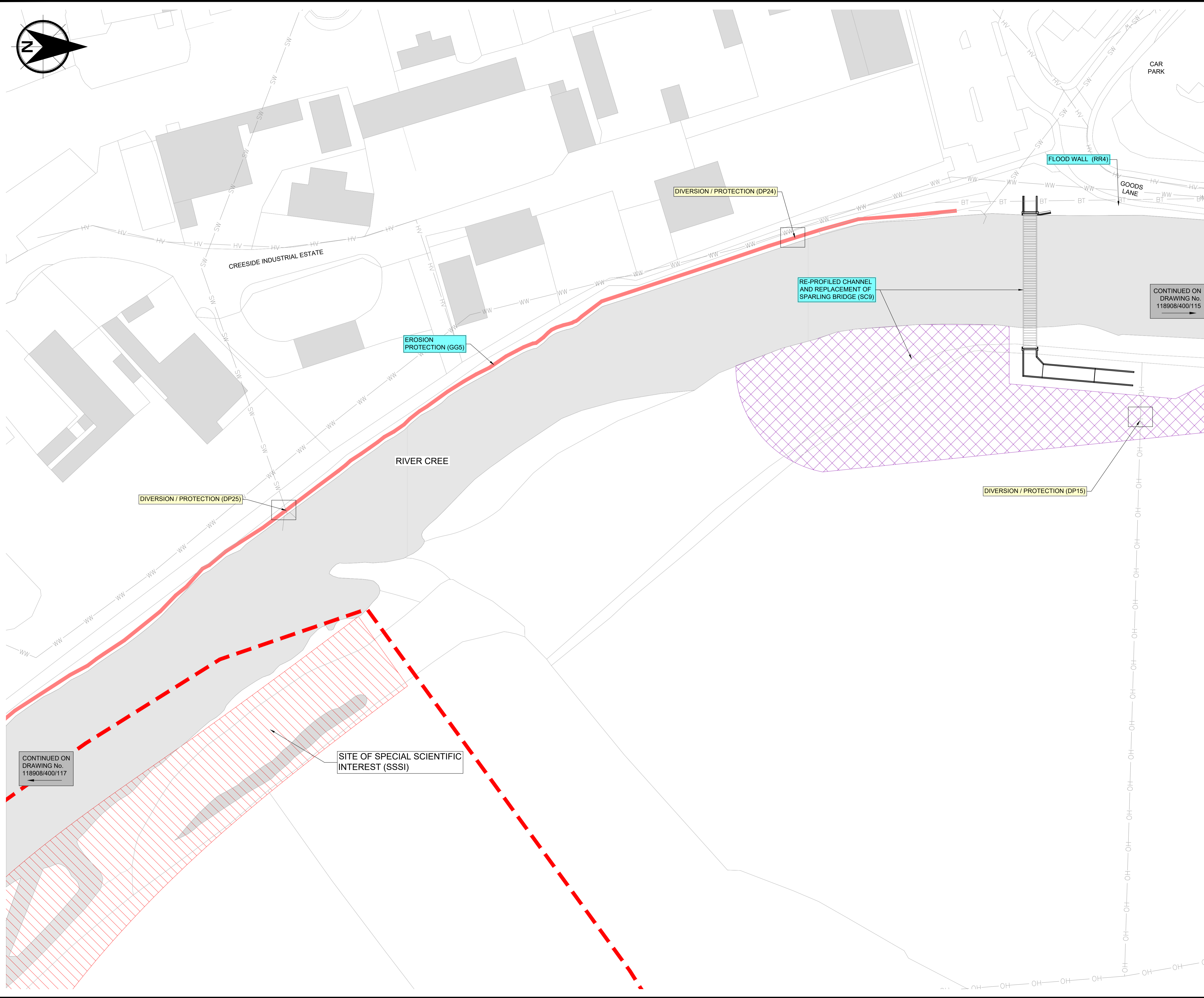
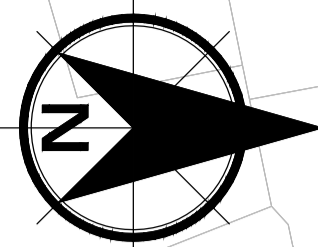
Client
Dumfries & Galloway COUNCIL

Drawing Status
FOR INFORMATION

Project Title
NEWTON STEWART FLOOD PROTECTION SCHEME

Drawing Title
**FLOOD WALLS RR4, CR7
FLOOD EMBANKMENT CB8
RIVER BANK WORKS SC9 & GG5
AND SPARLING BRIDGE**

Scale	1:500	Designed	GO	Drawn	JN	Checked	DCE	Approved	DL	
Original Size	A1	Date	17/08/18	Date	17/08/18	Date	17/08/18	Date	17/08/18	
Drawing Number	118908/400/115								Revision	14



NOTES

- LEVELS AND HEIGHTS IN METRES.
- ALL HEIGHTS AND LENGTHS ARE APPROXIMATE.
- FOR ADDITIONAL NOTES REFER TO DRAWING Nos. 118908/400/101 & 102.
- CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
- THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
- EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE

FLOOD PROTECTION KEY

- INDICATIVE LOCATION OF FLOOD WALLS
- INDICATIVE LOCATION OF EROSION PROTECTION
- INDICATIVE LOCATION OF RE-PROFILED CHANNEL
- SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)
- SCHEME BOUNDARY

PUBLIC UTILITIES KEY

- SURFACE WATER SEWER
- WASTE WATER NETWORK
- WATER MAIN
- UNDERGROUND HV ELECTRIC
- UNDERGROUND BT
- OVERHEAD POWER LINE

STRUCTURE REFERENCE

- PR1**
- ↑ STRUCTURE NUMBER (NUMBERED NORTH TO SOUTH ALONG EACH RIVER BANK IRRESPECTIVE OF STRUCTURE TYPE OR LOCATION)
 - ↑ STRUCTURE TYPE OR LOCATION

- LOCATION:**
- P = PENKILN BURN
 - M = MILLCROFT ROAD
 - A = ARTHUR STREET
 - C = CREE BRIDGE
 - R = RIVER SIDE ROAD
 - G = GOODS LANE
 - S = SPARLING BRIDGE
- STRUCTURE TYPE:**
- B = FLOOD EMBANKMENT
 - R = FLOOD WALL
 - C = CHANNEL
 - G = EROSION PROTECTION

DIVERSION/PROTECTION REFERENCE

- DP1**
- ↑ NUMBERED NORTH TO SOUTH DIVERSION / PROTECTION WORKS

12	05/05/23	MINOR REVISIONS	BBMD	DCE	DCE
FOR PREVIOUS REVISIONS SEE REVISION 11					
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk

Client

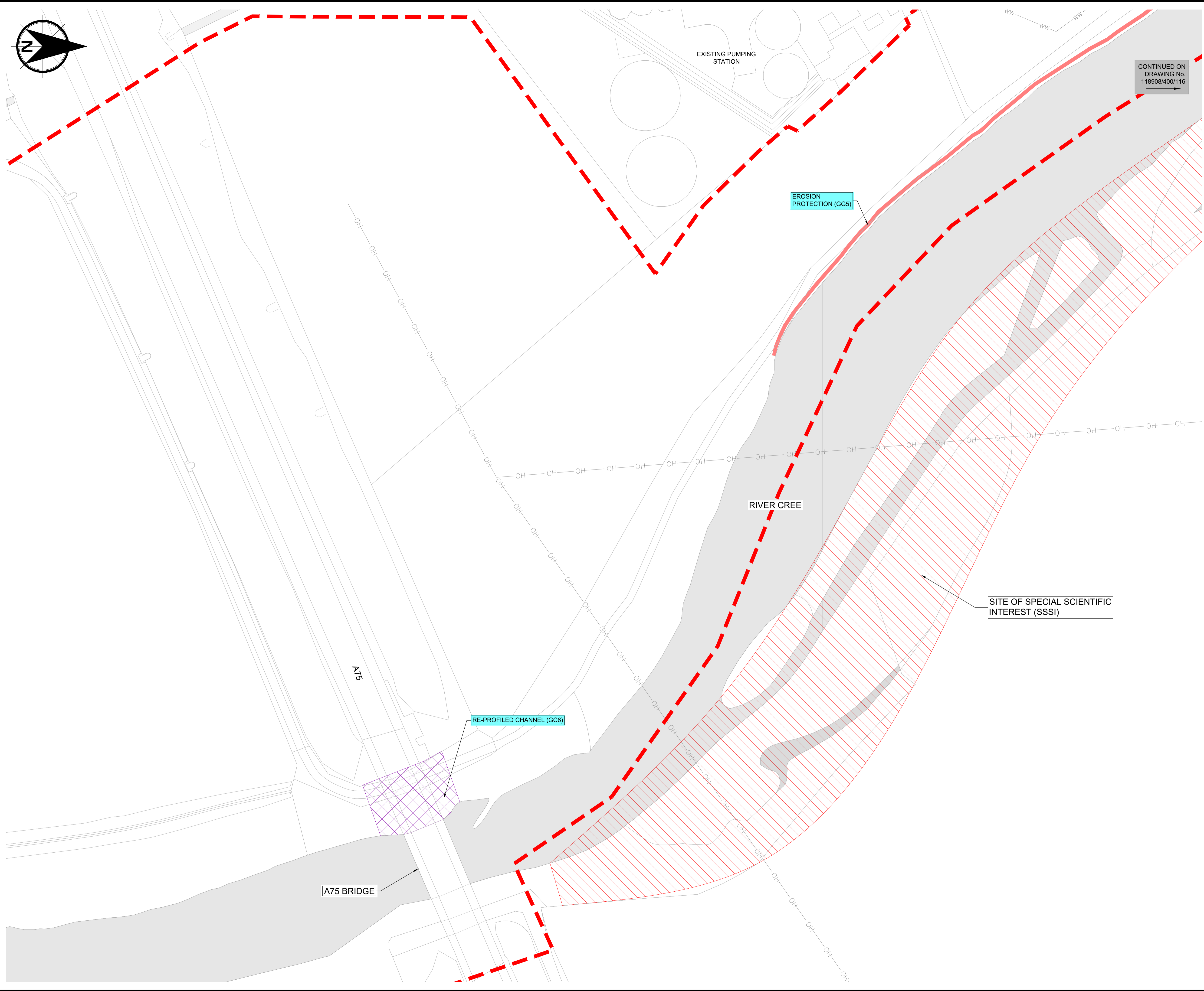
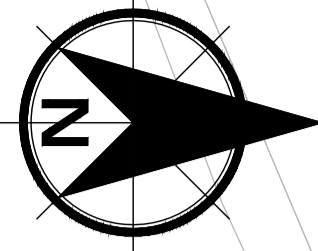
Dumfries & Galloway
COUNCIL

Drawing Status **FOR INFORMATION**

Project Title
**NEWTON STEWART
FLOOD PROTECTION SCHEME**

Drawing Title
**EROSION PROTECTION GG5
RE-PROFILED CHANNEL SC9
AND SPARLING BRIDGE**

Scale	Designed	Drawn	Checked	Approved
1:500	GO	JN	DCE	DL
Original Size	Date	Date	Date	Date
A1	17/08/18	17/08/18	17/08/18	17/08/18
Drawing Number	118908/400/116			Revision
				12



NOTES

1. LEVELS AND HEIGHTS IN METRES.
2. ALL HEIGHTS AND LENGTHS ARE APPROXIMATE.
3. FOR ADDITIONAL NOTES REFER TO DRAWING Nos. 118908/400/101 & 102.
4. CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
5. THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
6. EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE

- FLOOD PROTECTION KEY**
- INDICATIVE LOCATION OF EROSION PROTECTION
 - INDICATIVE LOCATION OF RE-PROFILED CHANNEL
 - SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 - SCHEME BOUNDARY

- PUBLIC UTILITIES KEY**
- WASTE WATER NETWORK
 - OVERHEAD POWER LINE

- STRUCTURE REFERENCE**
- PR1**
- STRUCTURE NUMBER (NUMBERED NORTH TO SOUTH ALONG EACH RIVER BANK IRRESPECTIVE OF STRUCTURE TYPE OR LOCATION)
 - STRUCTURE TYPE
 - LOCATION

- LOCATION:**
- P = PENKILN BURN
 - M = MILLCROFT ROAD
 - K = KING STREET
 - A = ARTHUR STREET
 - C = CREE BRIDGE
 - R = RIVER SIDE ROAD
 - G = GOODS LANE
 - S = SPARLING BRIDGE
- STRUCTURE TYPE:**
- B = FLOOD EMBANKMENT
 - R = REINFORCED CONCRETE FLOOD WALL
 - C = CHANNEL
 - G = EROSION PROTECTION

- DIVERSION/PROTECTION REFERENCE**
- DP1**
- NUMBERED NORTH TO SOUTH DIVERSION / PROTECTION WORKS

11	02/05/23	MINOR REVISIONS	BBMD	DCE	DCE
		FOR PREVIOUS REVISIONS SEE REVISION 10			
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
 2nd Floor, Quay 2
 139 Fountainbridge
 Edinburgh
 EH3 9QG
 Tel: +44 (0)131 550 6300
 Web: www.sweco.co.uk

Client

Dumfries & Galloway
 COUNCIL

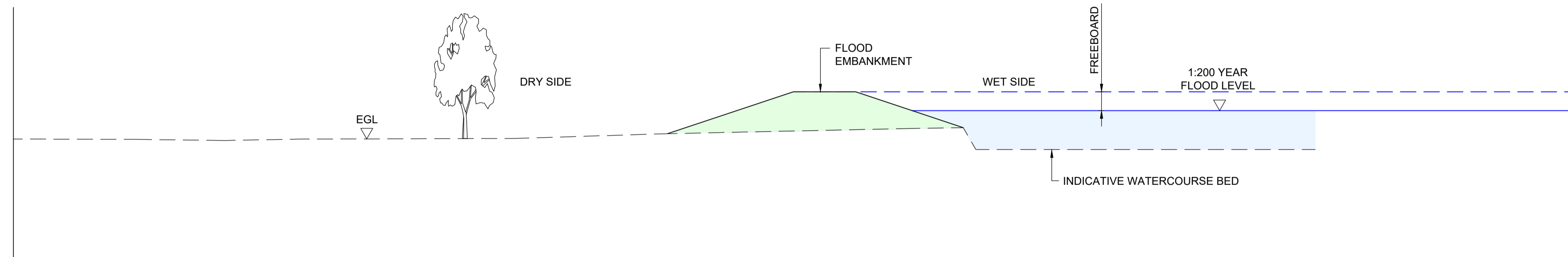
Drawing Status **FOR INFORMATION**

Project Title
NEWTON STEWART FLOOD PROTECTION SCHEME

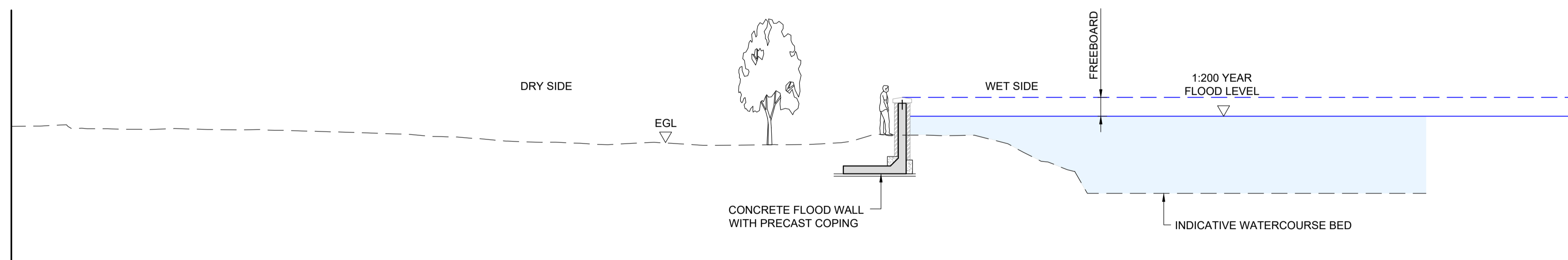
Drawing Title
EROSION PROTECTION GG5 RE-PROFILED CHANNEL GC6 RIVER CREE

Scale	Designed	Drawn	Checked	Approved
1:500	GO	JN	DCE	DL
Original Size	Date	Date	Date	Date
A1	17/08/18	17/08/18	17/08/18	17/08/18

Drawing Number	Revision
118908/400/117	11



TYPICAL CROSS SECTION OF FLOOD EMBANKMENT
SCALE 1:100



TYPICAL CROSS SECTION OF FLOOD WALL WITH PRECAST COPING
SCALE 1:100

NOTES

1. LEVELS AND HEIGHTS IN METRES.
2. FOR ADDITIONAL NOTES REFER TO DRAWING No. 118908/400/101 TO 102.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING No. 118908/400/111 TO 118908/400/117 AND THE NEWTON STEWART FLOOD PROTECTION SCHEME STATEMENT.
4. THIS PLAN IS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 60(2) OF THE FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009.
5. CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
6. THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
7. EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE
8. THE ABBREVIATION EGL REPRESENTS THE EXISTING GROUND LEVEL
9. THE WALL LEVELS INCLUDE A FREEBOARD WHICH IS AN ADDITIONAL MARGIN OF SAFETY ABOVE PREDICTED FLOOD LEVEL
10. THE FIGURE PLACED BESIDE THE WALL REPRESENTS A PERSON OF 1.8M HEIGHT

09	28/04/23	MINOR REVISIONS	BBMD	DCE	DCE
		FOR PREVIOUS REVISIONS SEE REVISION 08			
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk



Client

Dumfries & Galloway
COUNCIL

Drawing Status **FOR INFORMATION**

Project Title
NEWTON STEWART FLOOD PROTECTION SCHEME

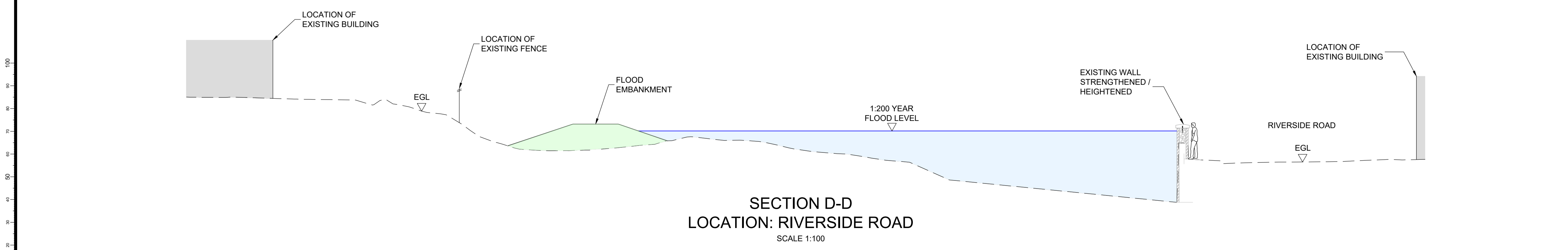
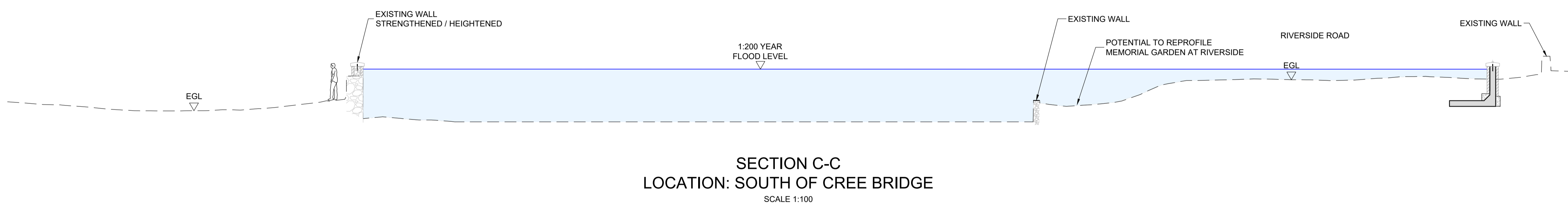
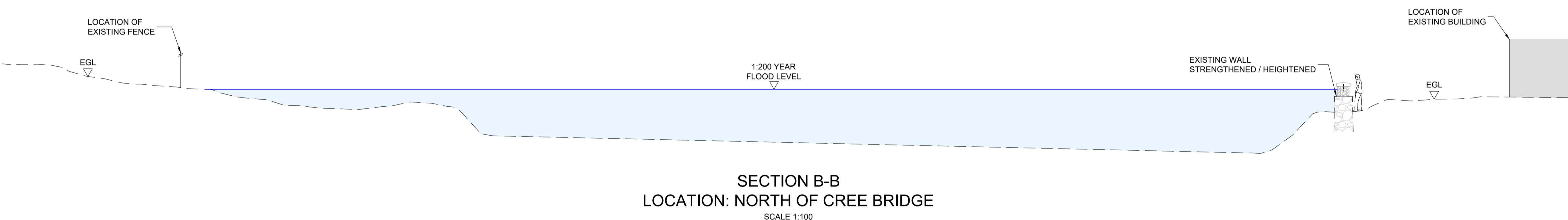
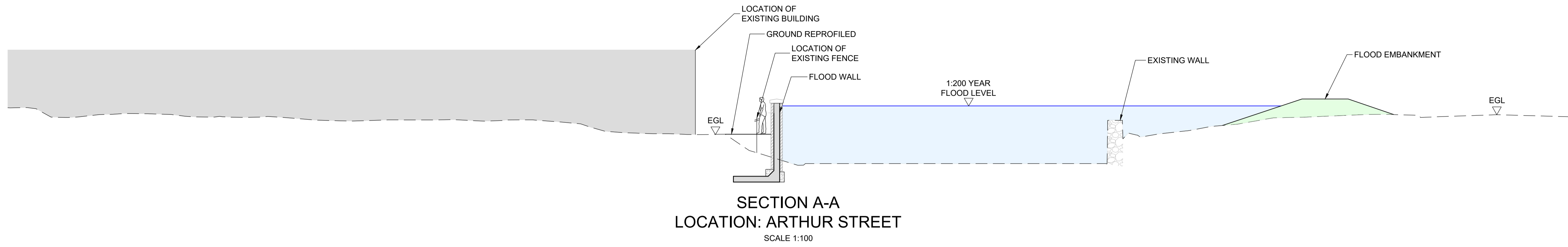
Drawing Title
FLOOD WALLS AND FLOOD EMBANKMENTS TYPICAL CROSS SECTIONS

Scale	Designed	Drawn	Checked	Approved
1:100	GO	JN	DCE	DL
Original Size	Date	Date	Date	Date
A1	17/08/18	17/08/18	17/08/18	17/08/18
Drawing Number	Revision			
118908/400/150	09			

100
90
80
70
60
50
40
30
20
10
0

NOTES

1. LEVELS AND HEIGHTS IN METRES.
2. FOR ADDITIONAL NOTES REFER TO DRAWING No. 118908/400/101 TO 102.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING No. 118908/400/111 TO 118908/400/117 AND THE NEWTON STEWART FLOOD PROTECTION SCHEME STATEMENT.
4. THIS PLAN IS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 60(2) OF THE FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009.
5. CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
6. THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
7. EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE
8. THE ABBREVIATION EGL REPRESENTS THE EXISTING GROUND LEVEL
9. THE WALL LEVELS INCLUDE A FREEBOARD WHICH IS AN ADDITIONAL MARGIN OF SAFETY ABOVE PREDICTED FLOOD LEVEL
10. THE FIGURE PLACED BESIDE THE WALL REPRESENTS A PERSON OF 1.8M HEIGHT



08	12/04/23	MINOR REVISIONS	BBMD	DCE	DCE
		FOR PREVIOUS REVISIONS SEE REVISION 07			
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk



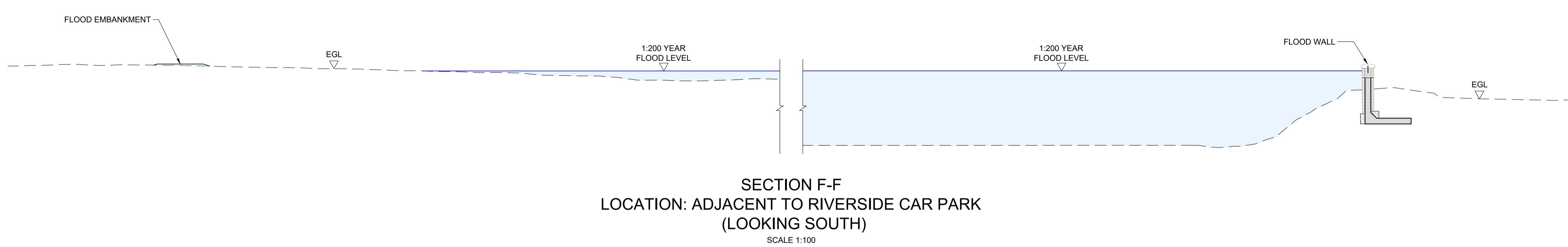
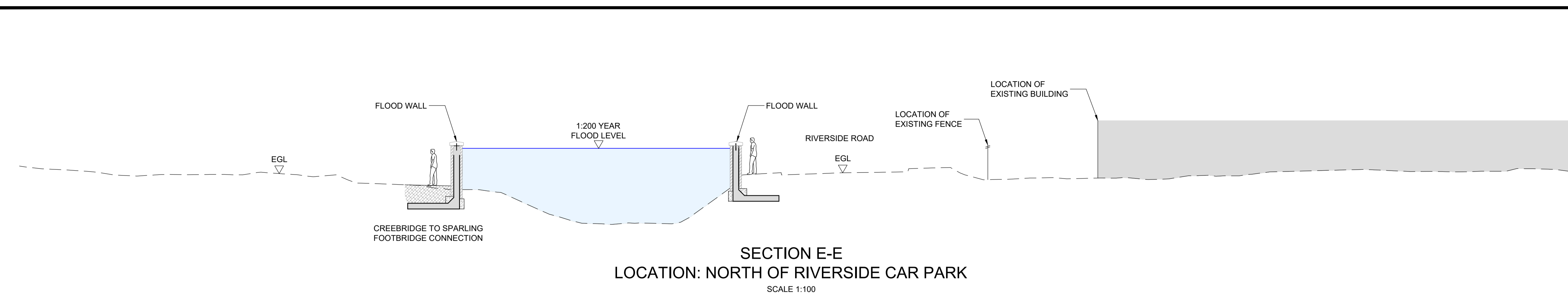
Client
Dumfries & Galloway COUNCIL

Drawing Status
FOR INFORMATION

Project Title
NEWTON STEWART FLOOD PROTECTION SCHEME

Drawing Title
FLOOD DEFENCES SPECIFIC CROSS-SECTIONS SHEET 1 OF 2

Scale	Designed	Drawn	Checked	Approved
AS SHOWN	GO	BDJ	DCE	DL
Original Size	Date	Date	Date	Date
A1	19/12/18	19/12/18	19/12/18	19/12/18
Drawing Number	118908/400/154			Revision
				08



NOTES

1. LEVELS AND HEIGHTS IN METRES.
2. FOR ADDITIONAL NOTES REFER TO DRAWING No. 118908/400/101 TO 102.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING No. 118908/400/111 TO 118908/400/117 AND THE NEWTON STEWART FLOOD PROTECTION SCHEME STATEMENT.
4. THIS PLAN IS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 60(2) OF THE FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009.
5. CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
6. THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
7. EXISTING ACCESS POINTS AND ANY ADDITIONAL ACCESS POINTS THROUGH THE NEW DEFENCES WILL BE CONSIDERED AT THE DETAILED DESIGN STAGE
8. THE ABBREVIATION EGL REPRESENTS THE EXISTING GROUND LEVEL
9. THE WALL LEVELS INCLUDE A FREEBOARD WHICH IS AN ADDITIONAL MARGIN OF SAFETY ABOVE PREDICTED FLOOD LEVEL
10. THE FIGURE PLACED BESIDE THE WALL REPRESENTS A PERSON OF 1.8M HEIGHT

08	12/04/23	MINOR REVISIONS	BBMD	DCE	DCE
		FOR PREVIOUS REVISIONS SEE REVISION 07			
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Limited was commissioned. Sweco UK Limited accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify Sweco UK Limited for all loss or damage arising therefrom.

Sweco
2nd Floor, Quay 2
139 Fountainbridge
Edinburgh
EH3 9QG
Tel: +44 (0)131 550 6300
Web: www.sweco.co.uk



Client
Dumfries & Galloway COUNCIL

Drawing Status
FOR INFORMATION

Project Title
NEWTON STEWART FLOOD PROTECTION SCHEME

Drawing Title
FLOOD DEFENCES SPECIFIC CROSS-SECTIONS SHEET 2 OF 2

Scale	Designed	Drawn	Checked	Approved
AS SHOWN	GO	BDJ	DCE	DL
Original Size	Date	Date	Date	Date
A1	16/01/19	16/01/19	16/01/19	16/01/19
Drawing Number	118908/400/155			Revision
				08

100
90
80
70
60
50
40
30
20
10
0