

**NOTES**

1. LEVELS AND HEIGHTS IN METRES
2. THIS DRAWING IS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 10 AND SCHEDULE 2 OF FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2002
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE NEWTON STEWART FLOOD PROTECTION SCHEME STATEMENT AND DETAILED DRAWINGS AND CROSS SECTIONS.
4. THE DESCRIPTION OF THE OPERATIONS REFERRED TO ON SCHEME STATEMENT.
5. INFORMATION RECEIVED FROM STATUTORY UNDERTAKERS HAS BEEN USED TO DETERMINE THE LOCATIONS OF SERVICES. EXISTING SERVICES WILL BE DETERMINED DURING DETAILED DESIGN.
6. THE LOCATION AND HORIZONTAL EXTENT OF THE OPERATIONS MAY VARY BY THESE LIMITS (WHERE APPLIED) AS NOTED IN THE FLOOD PROTECTION SCHEME STATEMENT.
7. CLADDING AND WALL FINISHES TO BE CONSIDERED AT THE DETAILED DESIGN STAGE
8. THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE
9. 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)
  - LOCATION:
  - P = PENKILN BURN
  - M = MILLCROFT ROAD
  - K = KING STREET
  - A = ARTHUR STREET
  - C = CREE BRIDGE
  - R = RIVER SIDE ROAD
  - S = STUS LAKE
  - S = SPARKING BRIDGE
- STRUCTURE TYPE:**
- B = FLOOD EMBANKMENT
  - R = FLOOD WALL
  - C = CHANNEL
  - G = EROSION PROTECTION

11	02/08/23	MINOR REVISIONS	BDM	DCE	DCE
----	----------	-----------------	-----	-----	-----

Rev.	Date	Amendment Details	Drawn	Chk'd	App'd
		FOR PREVIOUS REVISIONS SEE REVISIONS			

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared. The user of this drawing is responsible for ensuring that it is used in accordance with the provisions of the disclaimer which accompanies this drawing. Sweco UK Limited for all loss or damage arising herefrom.

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

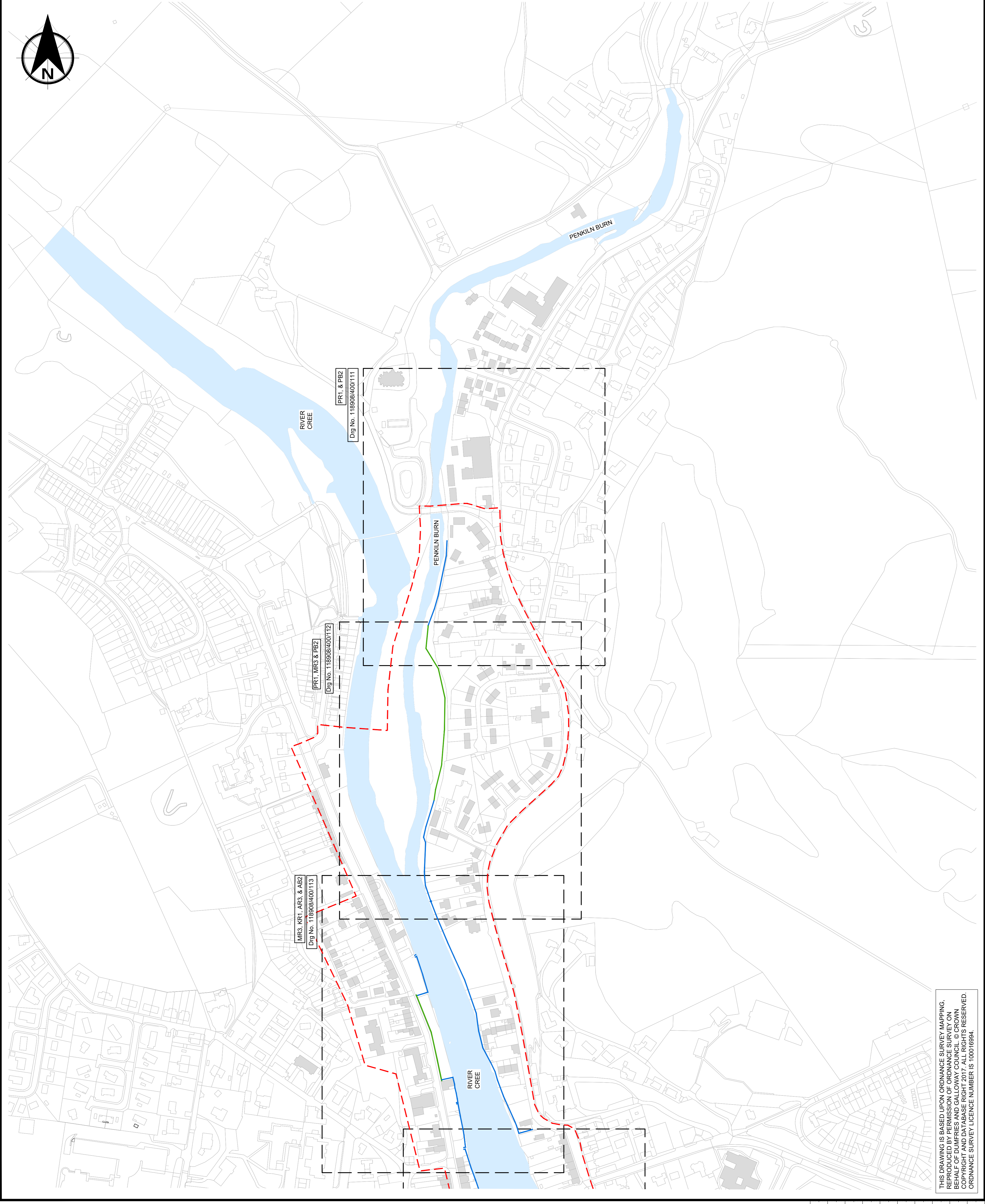


**FOR INFORMATION**

**NEWTON STEWART  
FLOOD PROTECTION SCHEME**

**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 THE UNITED KINGDOM GOVERNMENT. ALL COPYRIGHT AND DATABASE RIGHTS ARE RESERVED. ORDNANCE SURVEY LICENCE NUMBER IS 100018994.

**NOTES**

1. LEVELS AND HEIGHTS IN METRES.
2. THIS DRAWING IS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF SECTION 60 AND SCHEDULE 2 OF FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE NEWTON STEWART FLOOD PROTECTION SCHEME STATEMENT AND DETAILED DRAWINGS AND CROSS SECTIONS.
4. THE DESCRIPTION OF THE OPERATIONS REFERRED TO ON THIS DRAWING CAN BE FOUND IN THE FLOOD PROTECTION SCHEME STATEMENT.
5. INFORMATION RECEIVED FROM STATUTORY UNDERTAKERS HAS BEEN USED TO IDENTIFY LOCATIONS OF SERVICES. EXACT LOCATION OF THESE SERVICES WILL BE DETERMINED DURING DETAILED DESIGN.
6. 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 DESIGN STAGE.
7. THE USE OF GLASS PANELS TO RETAIN VIEWS & VISIBILITY WILL BE CONSIDERED DURING FUTURE ENGAGEMENT AT THE DETAILED DESIGN STAGE.
8. 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)
- LOCATION:
- P = PENKILN BURN
  - M = MILLCROFT ROAD
  - K = KING STREET
  - A = ARTHUR STREET
  - C = CREE BRIDGE
  - R = RIVER SIDE ROAD
  - G = GOODUS LANE
  - S = SPARKLING BRIDGE
- STRUCTURE TYPE:
- B = FLOOD EMBANKMENT
  - R = FLOOD WALL
  - C = CHANNEL
  - G = EROSION PROTECTION

Rev.	Date	Amendment Details	Drawn	Chk'd	App'd
13	05/09/23	MINOR REVISIONS	BBMD	DCE	DCE
		FOR PREVIOUS REVISIONS SEE REVISION 12			

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

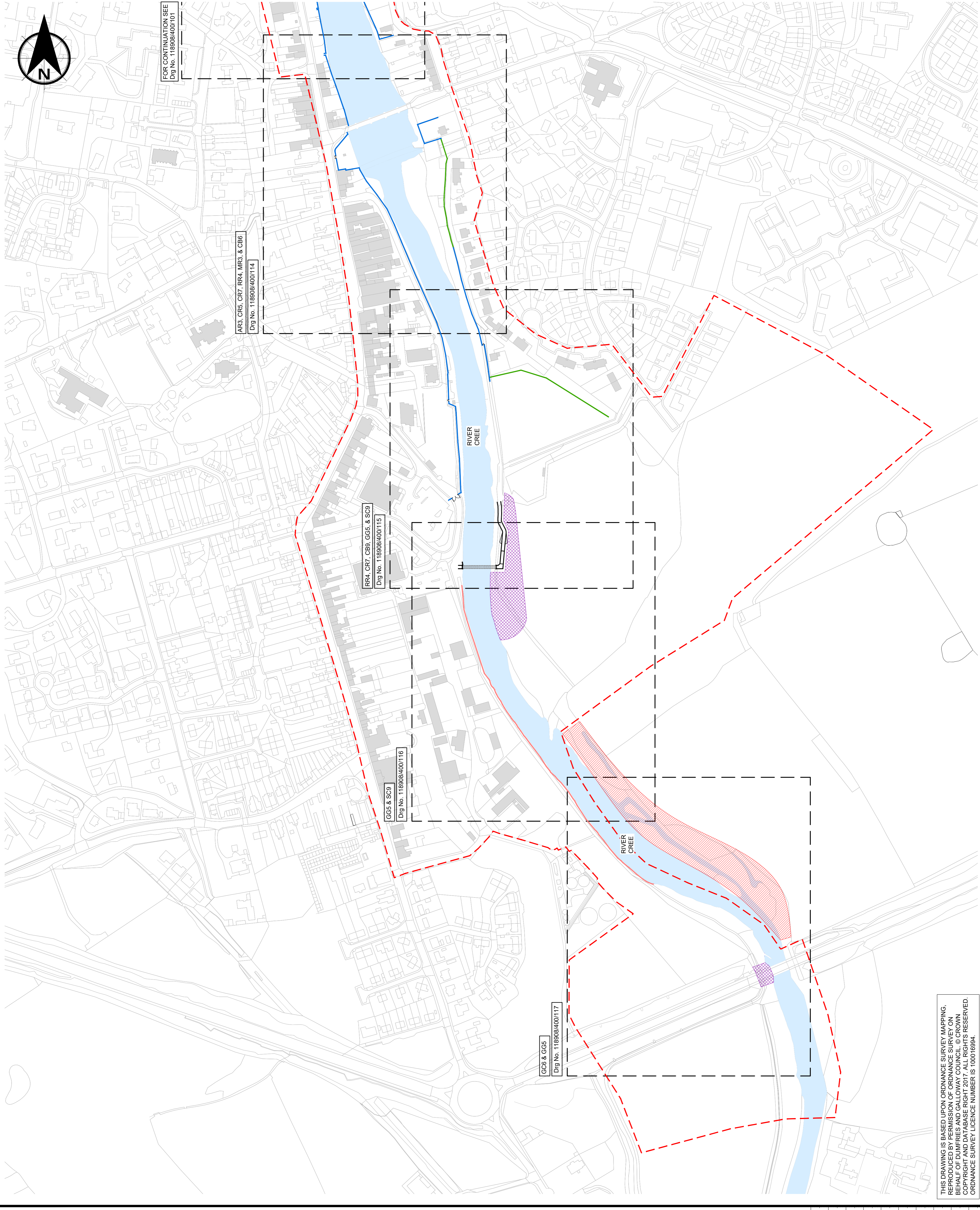


FOR INFORMATION

**NEWTON STEWART  
 FLOOD PROTECTION SCHEME**

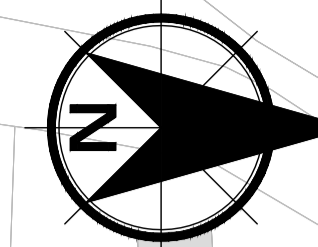
**FLOOD PROTECTION SCHEME  
 LAYOUT PLAN  
 SHEET 2 OF 2**

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



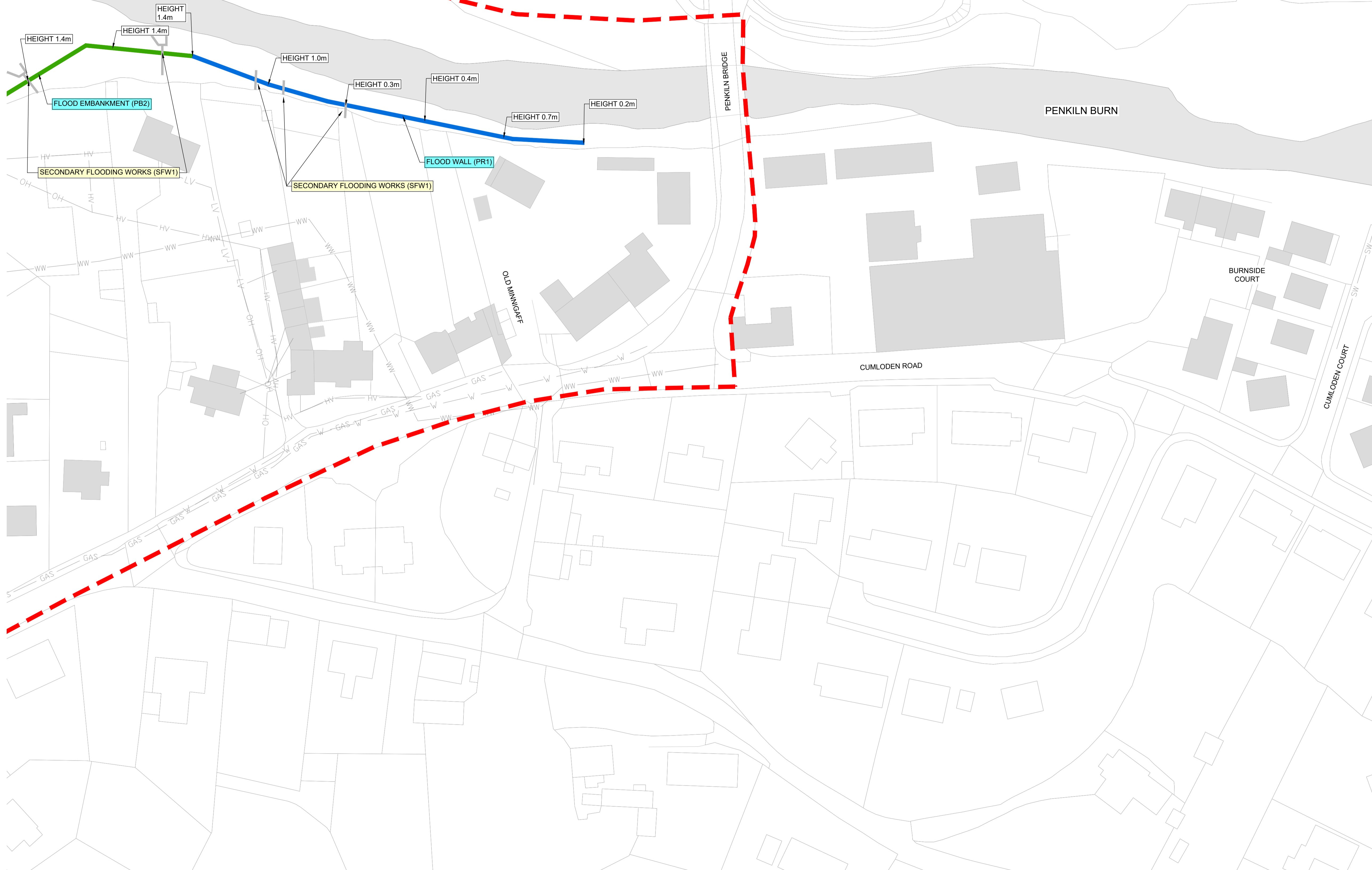
THIS DRAWING IS BASED UPON ORDNANCE SURVEY MAPPING.  
 REPRODUCED BY PERMISSION OF ORDNANCE SURVEY ON  
 BEHALF OF DUMFRIES AND GALLOWAY COUNCIL. © CROWN  
 COPYRIGHT AND DATABASE RIGHT 2017. ALL RIGHTS RESERVED.  
 ORDNANCE SURVEY LICENCE NUMBER IS 100016994.

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

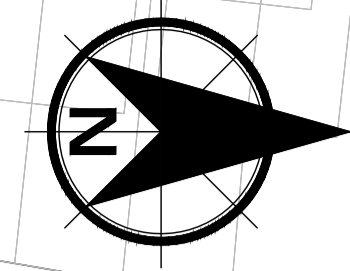
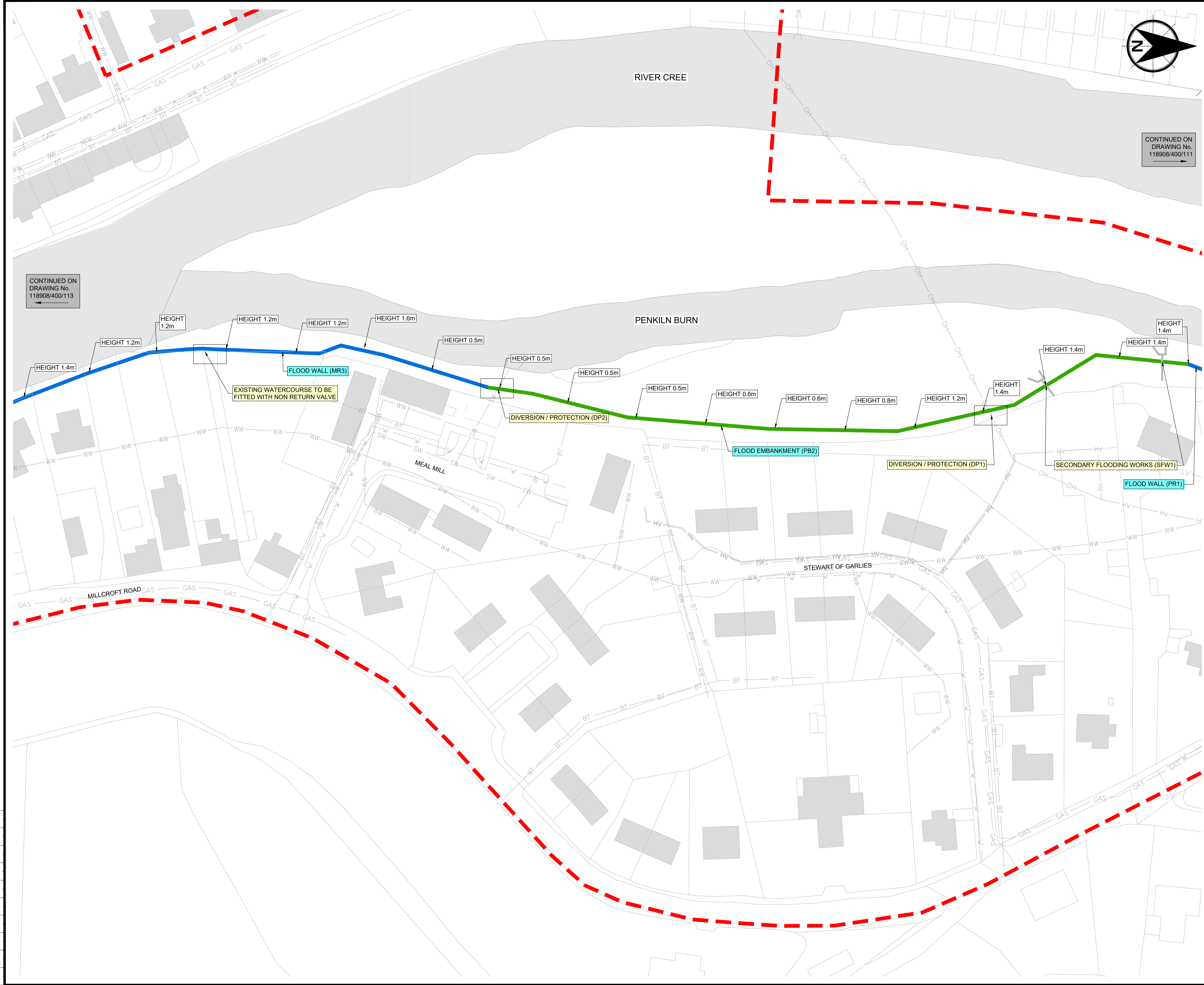
**Dumfries & Galloway**  
COUNCIL

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**

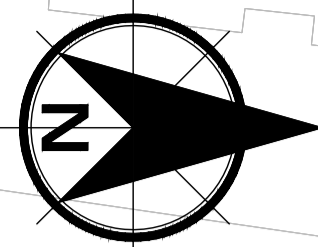
Project Title  
**NEWTON STEWART FLOOD PROTECTION SCHEME**

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

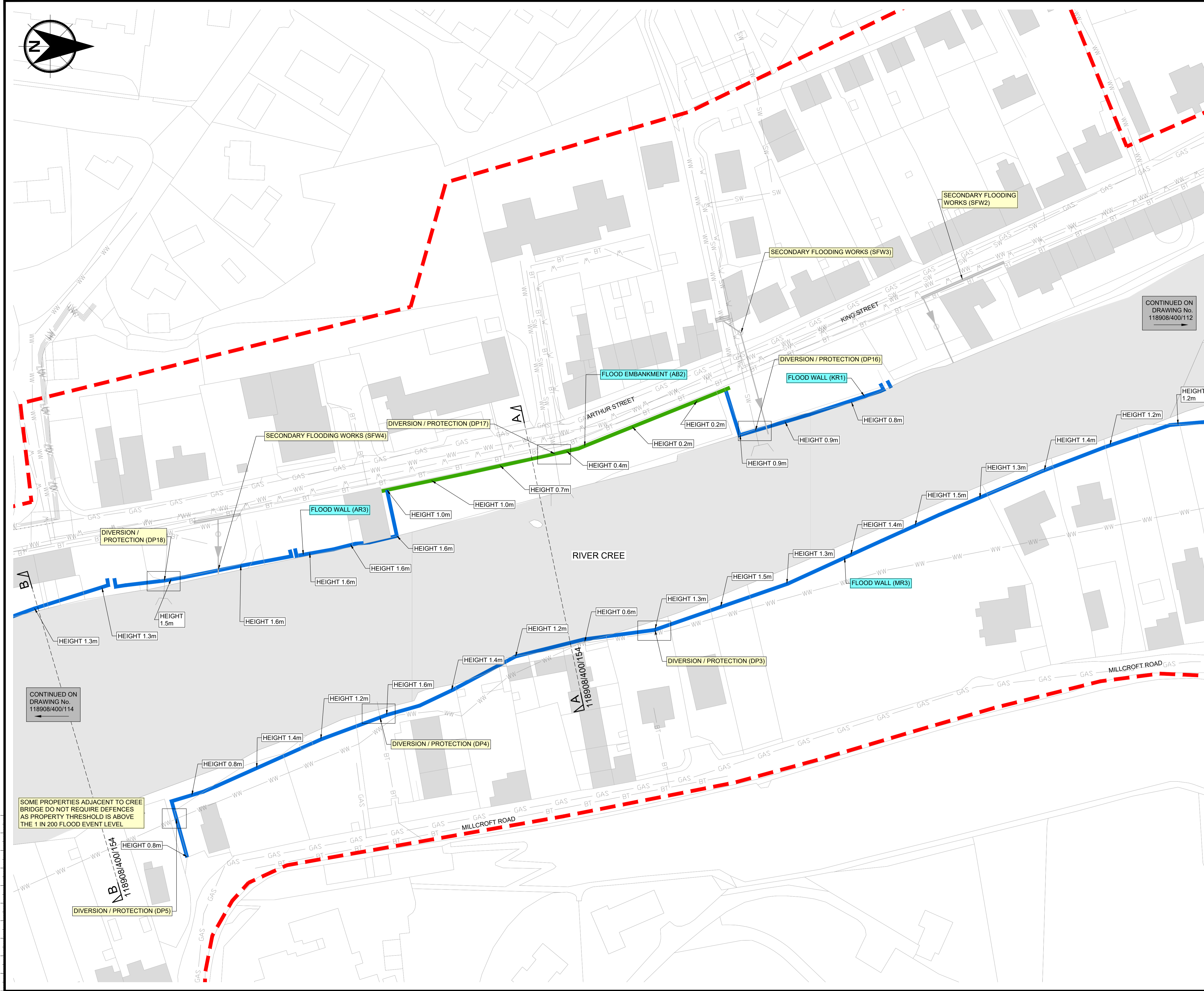


Client  
**FOR INFORMATION**

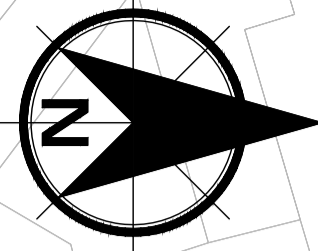
Project Title  
**NEWTON STEWART FLOOD PROTECTION SCHEME**

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**

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.
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**
- SW — SW — SURFACE WATER SEWER
  - WW — WW — WASTE WATER NETWORK
  - GAS — GAS — 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
  - 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 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



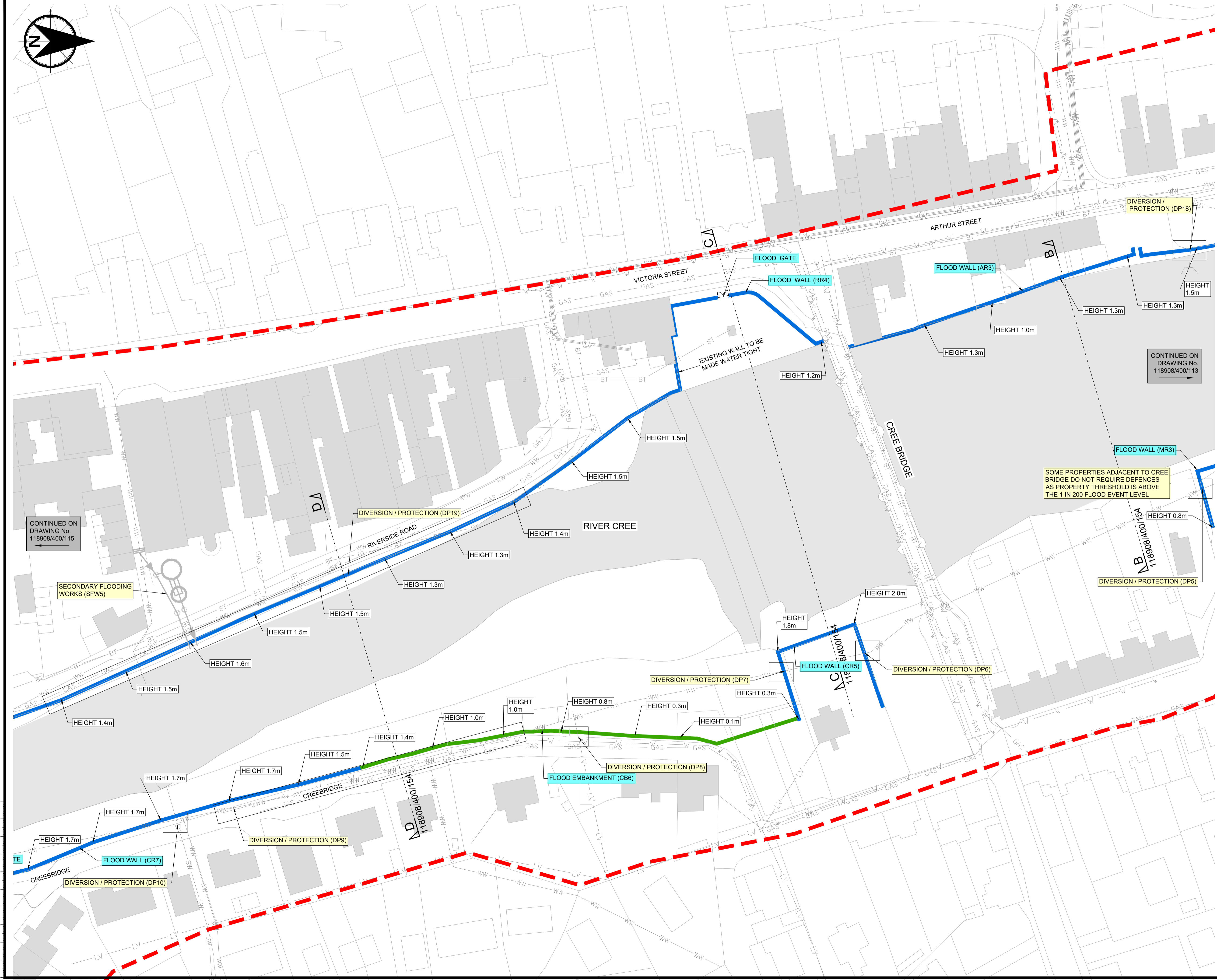
Client  
**Dumfries & Galloway COUNCIL**

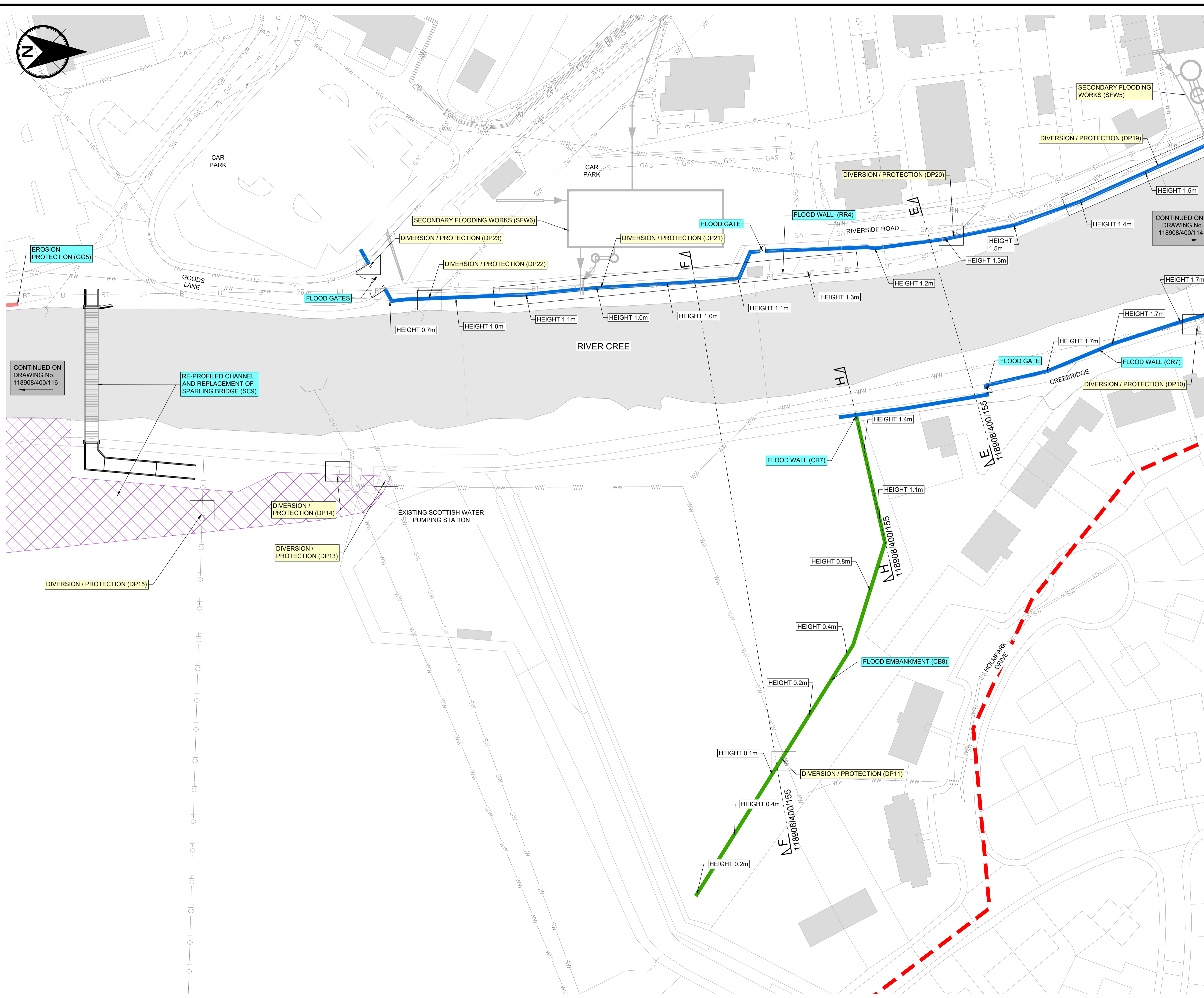
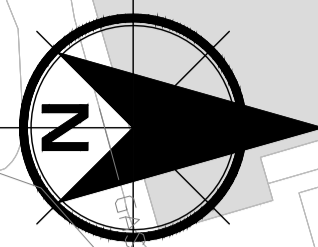
Drawing Status  
**FOR INFORMATION**

Project Title  
**NEWTON STEWART FLOOD PROTECTION SCHEME**

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

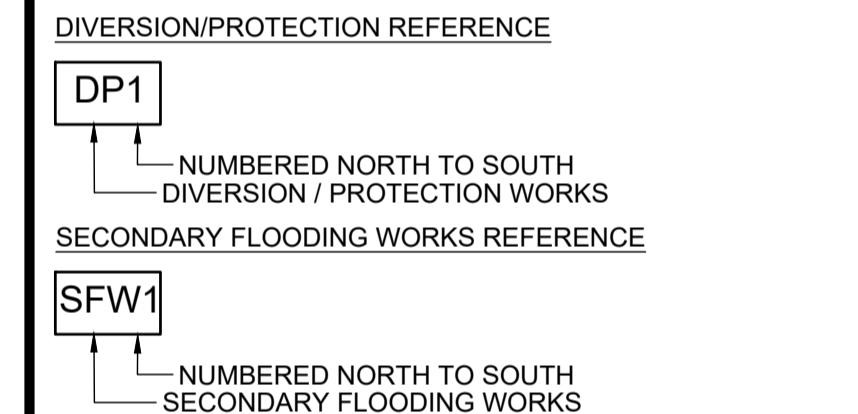
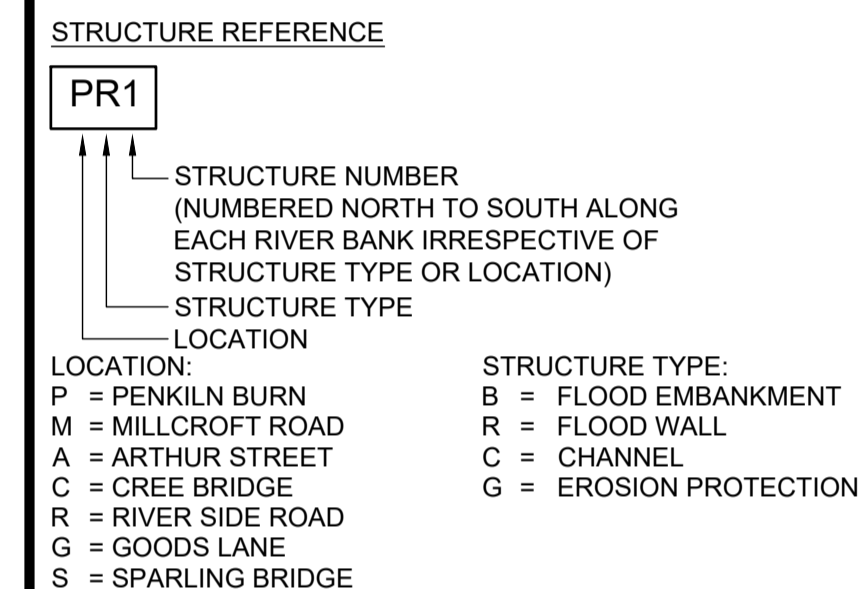
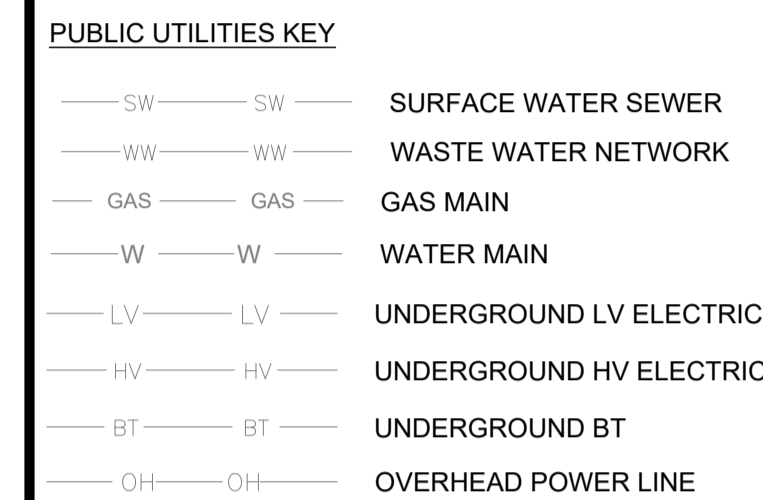
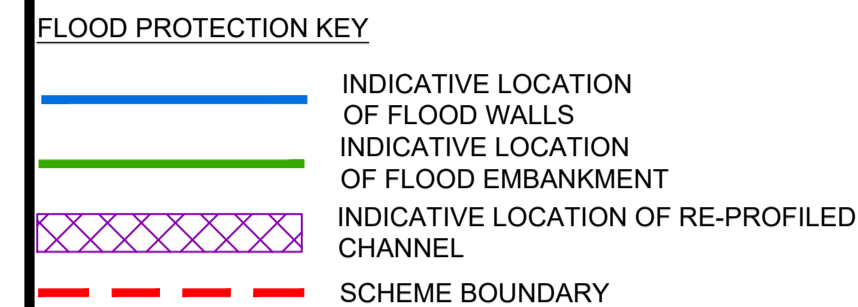
Scale	1:500	Designed	GO	Drawn	JN	Checked	DCE	Approved	DL	
Original Size	A1	Date	17/08/18	Date	17/08/18	Date	17/08/18	Date	17/08/18	
Drawing Number	118908/400/114								Revision	14





**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



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

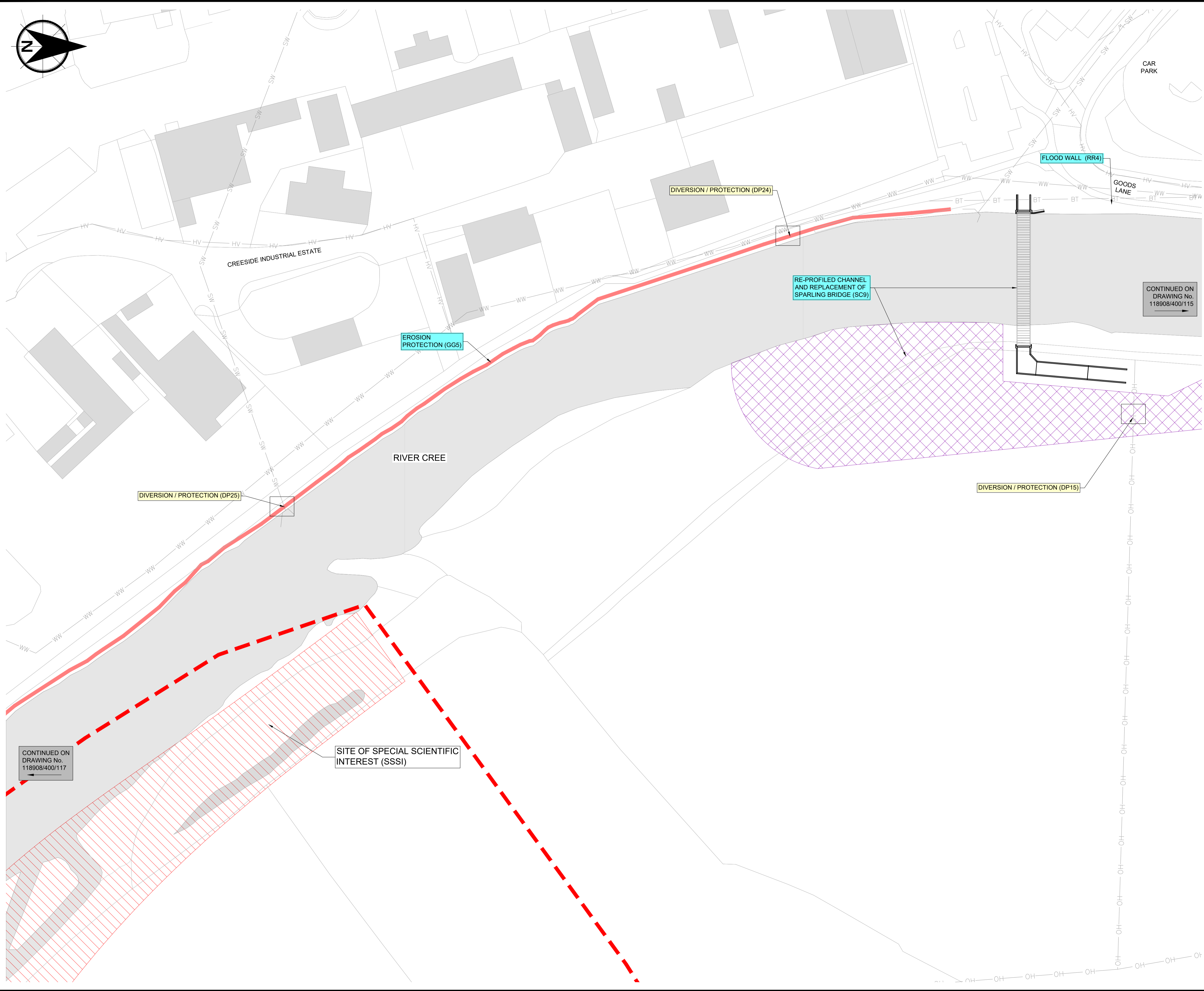
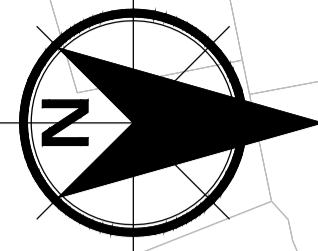
**Dumfries & Galloway**  
COUNCIL

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

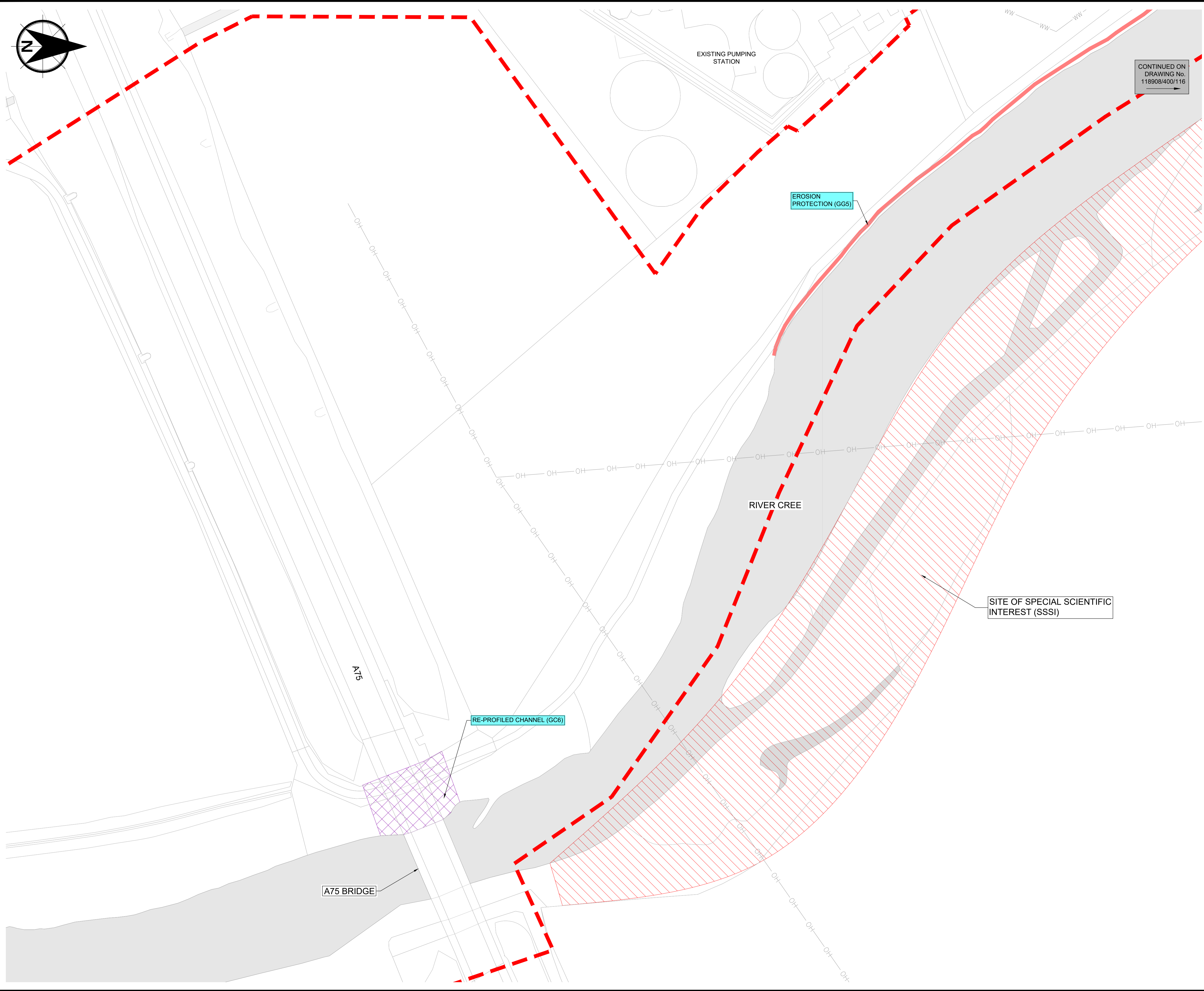
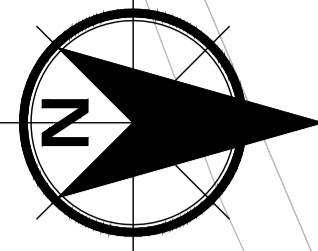
Drawing Status **FOR INFORMATION**

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 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

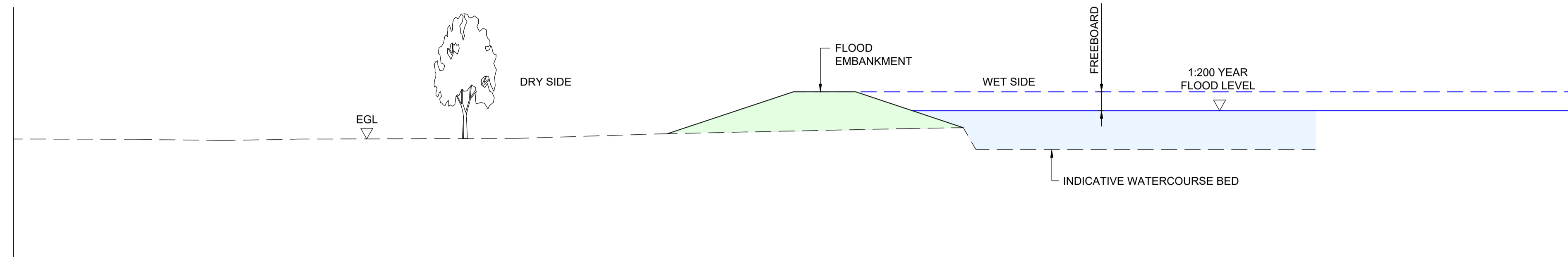
Drawing Status **FOR INFORMATION**

Project Title  
**NEWTON STEWART FLOOD PROTECTION SCHEME**

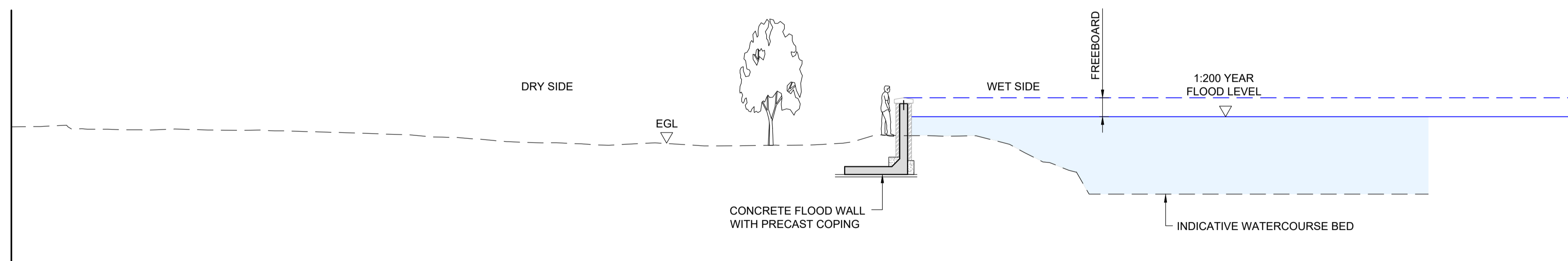
Drawing Title  
**EROSION PROTECTION GG5 RE-PROFILED CHANNEL GC6 RIVER CREE**

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 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

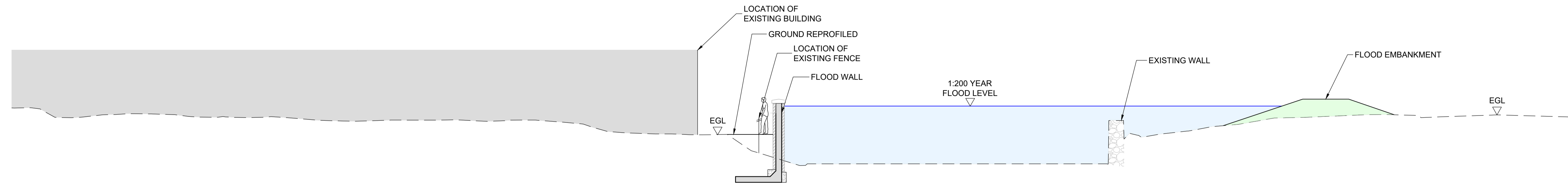
**NEWTON STEWART FLOOD PROTECTION SCHEME**

Drawing Title

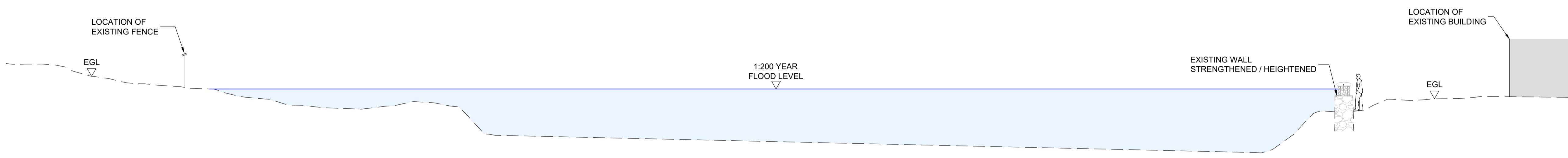
**FLOOD WALLS AND FLOOD EMBANKMENTS TYPICAL CROSS SECTIONS**

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

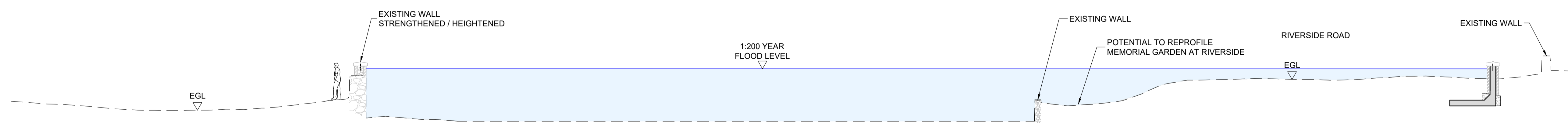
100  
90  
80  
70  
60  
50  
40  
30  
20  
10  
0



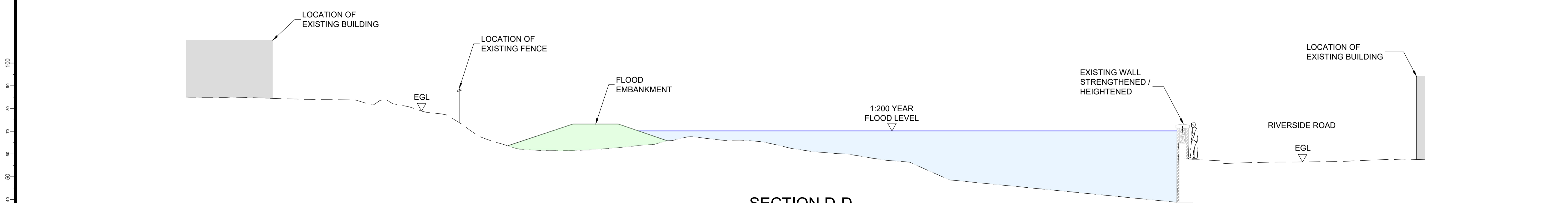
SECTION A-A  
LOCATION: ARTHUR STREET  
SCALE 1:100



SECTION B-B  
LOCATION: NORTH OF CREE BRIDGE  
SCALE 1:100



SECTION C-C  
LOCATION: SOUTH OF CREE BRIDGE  
SCALE 1:100



SECTION D-D  
LOCATION: RIVERSIDE ROAD  
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

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



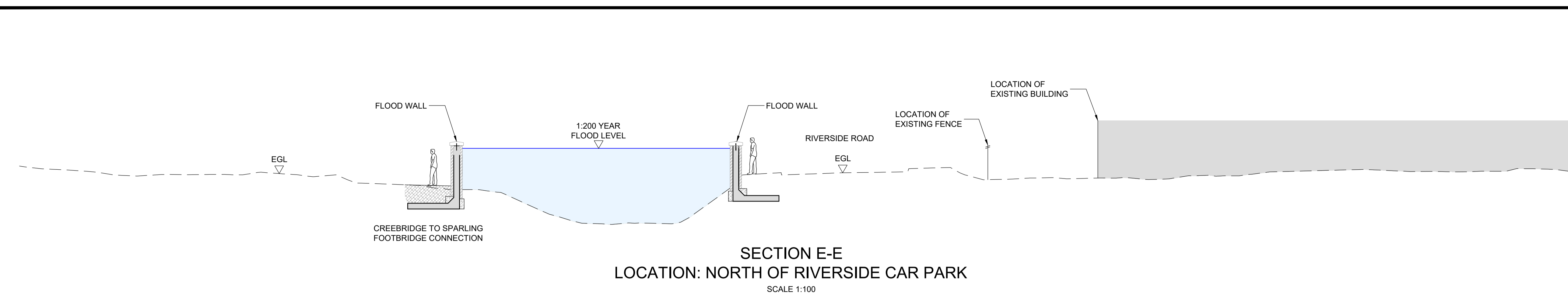
Dumfries & Galloway COUNCIL

Drawing Status **FOR INFORMATION**

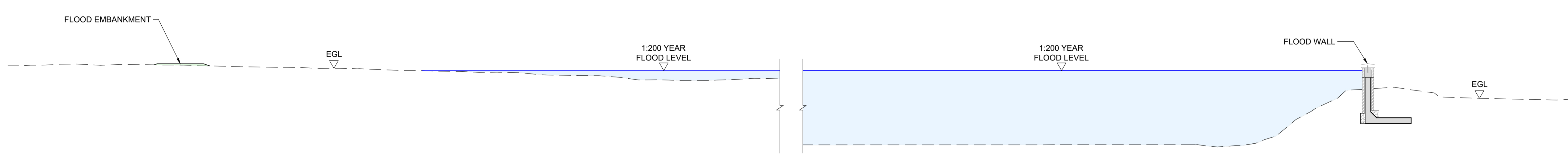
Project Title  
**NEWTON STEWART FLOOD PROTECTION SCHEME**

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



SECTION E-E  
LOCATION: NORTH OF RIVERSIDE CAR PARK  
SCALE 1:100



SECTION F-F  
LOCATION: ADJACENT TO RIVERSIDE CAR PARK  
(LOOKING SOUTH)  
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

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 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 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