



OPERATION	DESCRIPTION
OP 05	185m LONG OR THEREBY EARTH FLOOD EMBANKMENT AND SHARED FOOTPATH/CYCLEWAY. SEAWARD SIDE PROTECTED WITH ROCK ARMOUR
OP 21	SURFACE WATER DRAINAGE SYSTEM TO MITIGATE EFFECTS OF SECONDARY FLOODING

- General Notes**
- All dimensions shown are in metres unless otherwise stated and levels in metres to Ordnance Datum.
  - Do not scale from this drawing.
  - This drawing is to be read in conjunction with:
    - 2013s7413-JBAU-00-00-DR-C-1001 - Chainage 0 to 2179.36m
    - 2013s7413-JBAU-00-00-DR-C-1002 - Chainage 0 to 76.80m
    - 2013s7413-JBAU-00-00-DR-C-1003 - Chainage 76.80 to 216.60m
    - 2013s7413-JBAU-00-00-DR-C-1005 - Chainage 334.41 to 471.90m
    - 2013s7413-JBAU-00-00-DR-C-1006 - Chainage 471.90 to 595.52m
    - 2013s7413-JBAU-00-00-DR-C-1007 - Chainage 595.52 to 720.51m
    - 2013s7413-JBAU-00-00-DR-C-1008 - Chainage 720.51 to 842.19m
    - 2013s7413-JBAU-00-00-DR-C-1009 - Chainage 842.19 to 942.70m
    - 2013s7413-JBAU-00-00-DR-C-1010 - Chainage 942.70 to 1091.89m
    - 2013s7413-JBAU-00-00-DR-C-1011 - Chainage 1091.89 to 1209.17m
    - 2013s7413-JBAU-00-00-DR-C-1012 - Chainage 1209.17 to 1335.97m
    - 2013s7413-JBAU-00-00-DR-C-1013 - Chainage 1335.97 to 1474.34m
    - 2013s7413-JBAU-00-00-DR-C-1014 - Chainage 1474.34 to 1589.43m
    - 2013s7413-JBAU-00-00-DR-C-1015 - Chainage 1589.43 to 1697.69m
    - 2013s7413-JBAU-00-00-DR-C-1016 - Chainage 1697.69 to 1824.43m
    - 2013s7413-JBAU-00-00-DR-C-1017 - Chainage 1824.43 to 1952.82m
    - 2013s7413-JBAU-00-00-DR-C-1018 - Chainage 1952.82 to 2080.00m
    - 2013s7413-JBAU-00-00-DR-C-1019 - Chainage 2080.00 to 2179.36m
    - 2013s7413-JBAU-00-00-DR-C-2001 - Flood Embankment Cross Sections 1 of 10
    - 2013s7413-JBAU-00-00-DR-C-2002 - Flood Embankment Cross Sections 2 of 10**
    - 2013s7413-JBAU-00-00-DR-C-2003 - Flood Embankment Cross Sections 3 of 10
    - 2013s7413-JBAU-00-00-DR-C-2004 - Flood Embankment Cross Sections 4 of 10
    - 2013s7413-JBAU-00-00-DR-C-2005 - Flood Embankment Cross Sections 5 of 10
    - 2013s7413-JBAU-00-00-DR-C-2006 - Flood Embankment Cross Sections 6 of 10
    - 2013s7413-JBAU-00-00-DR-C-2007 - Flood Embankment Cross Sections 7 of 10
    - 2013s7413-JBAU-00-00-DR-C-2008 - Flood Embankment Cross Sections 8 of 10
    - 2013s7413-JBAU-00-00-DR-C-2009 - Flood Embankment Cross Sections 9 of 10
    - 2013s7413-JBAU-00-00-DR-C-2010 - Flood Embankment Cross Sections 10 of 10
    - 2013s7413-JBAU-00-00-DR-C-3001 - Glenkingie Street Secondary Flooding Pumping Station - Plan and Schematic Long-Section
    - 2013s7413-JBAU-00-00-DR-C-3002 - Erracht Terrace Secondary Flooding Pumping Station - Plan and Schematic Long-Section
    - 2013s7413-JBAU-00-00-DR-C-3003 - Kilmallie Road Secondary Flooding Pumping Station - Plan and Schematic Long-Section
  - These plans are in accordance with the requirements of Section 60 and Schedule 2 of the Flood Risk Management (Scotland) Act 2009.
  - The location, horizontal and vertical extents of the operations may vary by those limits (where applied) as noted in the Description of the Flood Protection Scheme.
  - The locations of any known services shown on drawing are approximate and for guidance only.
  - Diversion of any statutory undertaker apparatus will be carried out by or on behalf of the statutory undertaker under its own statutory powers.

Rev.	Date	Drawn	S.B.	Designed	S.B.	Checked	I.F.	Approved	R.D.
2									
1									
1	17/10/17								
1	21/08/17		A.W.		A.W.				

Client Approval

A - Approved  
B - Approved with Revisions  
C - Do Not Use

Purpose of Issue: For Consultation      Status: S4

**JBA consulting**

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**Project**      **Caol & Lochyside Flood Protection Scheme**

**Title**      **Scheme Layout Plan**  
Chainage 216.60 to 334.41m

**Client**      **The Highland Council**  
**Comhairle na Gàidhealtachd**

Scale: 1:200 @ A1

Project Number: 2013s7413

Drawing Number: 2013s7413-JBAU-00-00-DR-C-1004

Drawn:	B Henderson	16.12.16
Designed:	N. Tourigny	16.12.16
Checked:	I. Ferguson	09.01.17
Approved:	R. Dobson	09.01.17

Revision: 2

**LEGEND**

	EXISTING WATERCOURSE / SEA		OUTFALL APRON		PROPOSED MANHOLE		Scottish Water - Combined Storm Overflow
	REPROFILED GROUND		PROPOSED SURFACE WATER DRAINAGE		FLOOD EMBANKMENT		Scottish Water - Surface Water
	FOOTPATH (SURFACED ASPHALT)		LIMITS OF LAND AFFECTED BY OPERATIONS		EXISTING CULVERT		Scottish Water - Foul Water
	SHARED CYCLE / FOOTPATH (SURFACED ASPHALT)		OPERATION ARROW		TREE OR GROUP TO BE RETAINED		Scottish Water - Distribution Main
	ACCESS RAMP (CONCRETE)		OPERATION CONTINUATION MARKER		TREE OR GROUP TO BE REMOVED		Crown Estate / BSW - Water Pipe
	VEHICLE ACCESS (SURFACED ASPHALT)		SECTION MARKER		SSE - Underground Low Voltage		British Telecom - Overhead
	VEHICLE ACCESS (UNSURFACED)		LINEAR DRAINAGE CHANNEL		Unknown Utility - Pipe		British Telecom - Proposed Underground
	ROCK ARMOUR SIDE SLOPES		FLOOD WALL		Existing Watercourse		British Telecom - Underground
			FLOOD GATE		The Highland Council - Street Lighting		SSE - Overhead 11kV High Voltage
							SSE - Underground 11kV

