

OPERATION	DESCRIPTION
OP 18	425m OR THEREBY OF FLOOD WALL AND 2.5m WIDE SHARED FOOT PATH/ CYCLEWAY. REPROFIED RIVER BANK AND TOE OF BANK TO BE PROTECTED WITH ROCK ARMOUR.
OP 21	SURFACE DRAINAGE SYSTEM FOR 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-1004 - Chainage 216.60 to 334.41m
    - 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 1569.43m
    - 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 - Glenkingle 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.

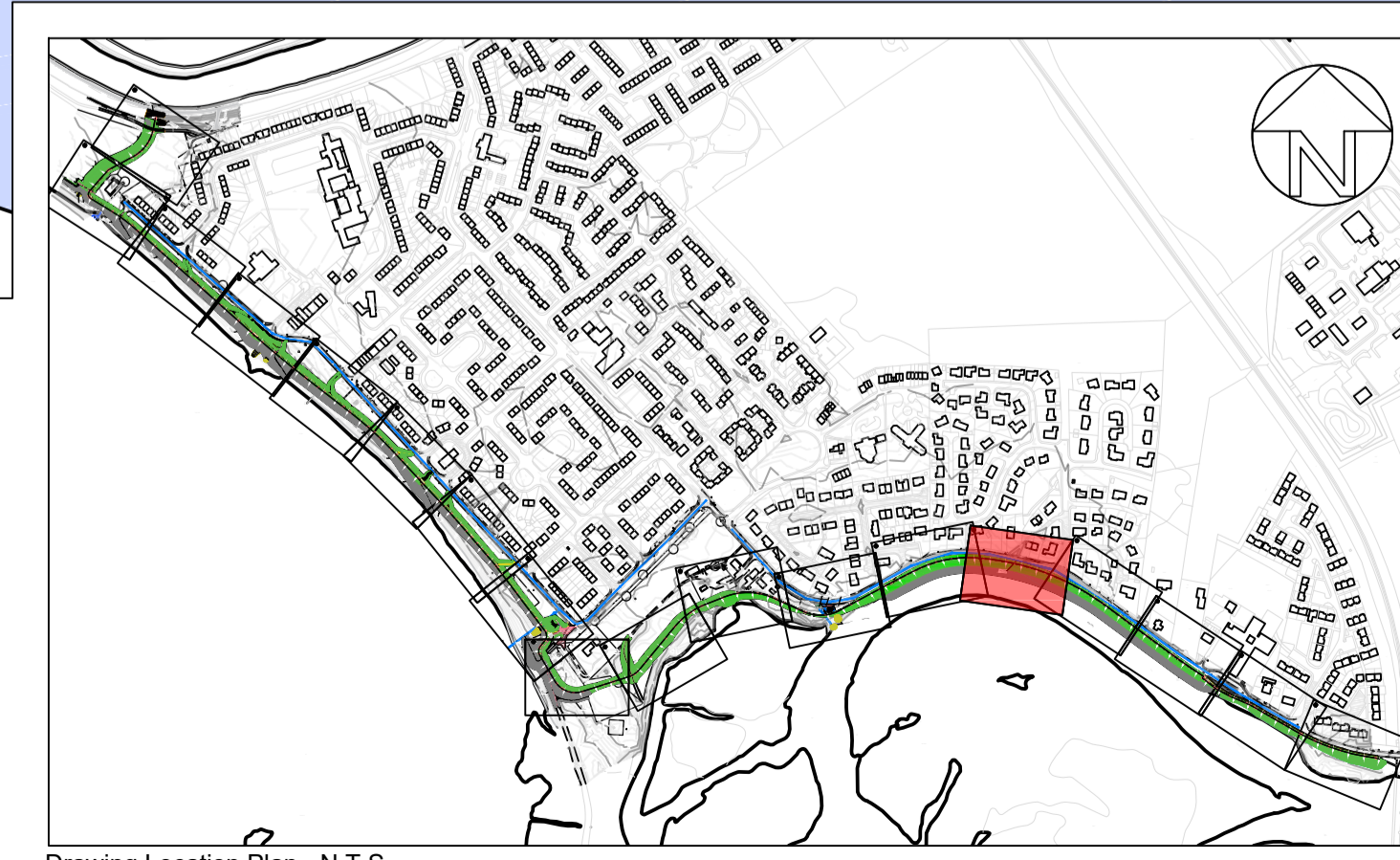
SURFACE WATER  
OUTFALL TO HAVE NEW  
HEADWALL WITH FLAP  
VALVE

CONTINUATION ON 2013s7413-JBAU-00-00-DR-C-1014

CONTINUATION ON 2013s7413-JBAU-00-00-DR-C-1016

**LEGEND**

EXISTING WATERCOURSE / SEA	OUTFALL APRON	PROPOSED MANHOLE	Scottish Water - Combined Storm Overflow
REPROFIED 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	The Highland Council - Street Lighting	British Telecom - Underground
	FLOOD GATE		SSE - Overhead 11kV High Voltage
			SSE - Underground 11kV



2	Comments	Revised in line with comments (THC/JBA)									
Rev.:	Date	17/10/17	Drawn	S.B.	Designed	S.B.	Checked	I.F.	Approved	R.D.	
1	Comments	Revised in line with comments (THC/JBA)									
Rev.:	Date	21/08/17	Drawn	A.W.	Designed	A.W.	Checked	I.F.	Approved	R.D.	
Client Approval											
A - Approved											
B - Approved with Revisions											
C - Do Not Use											
Purpose of Issue		For Consultation							Status		S4

**JBA consulting**

Unit 2.1  
Quantum Court  
Research Avenue South  
Heriot Watt University  
Edinburgh  
EH14 4AP  
United Kingdom  
www.jbaconsulting.com  
+44 (0)131 3192940  
+44 (0)845 8627772  
info@jbaconsulting.com

**Project** Caol & Lochyside  
Flood Protection Scheme

**Title** Scheme Layout Plan  
Chainage 1589.43 to 1697.69m

**Client** The Highland Council  
Comhairle na Gàidhealtachd

The property of this drawing and design vested in Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the prior written consent of Jeremy Benn Associates Ltd.

Scale	1:200 @ A1	Drawn:	B Henderson	16.12.16
		Designed:	N. Tourigny	16.12.16
		Checked:	I. Ferguson	09.01.17
		Approved:	R. Dobson	09.01.17

Project Number: 2013s7413  
Drawing Number: 2013s7413-JBAU-00-00-DR-C-1015  
Revision: 2