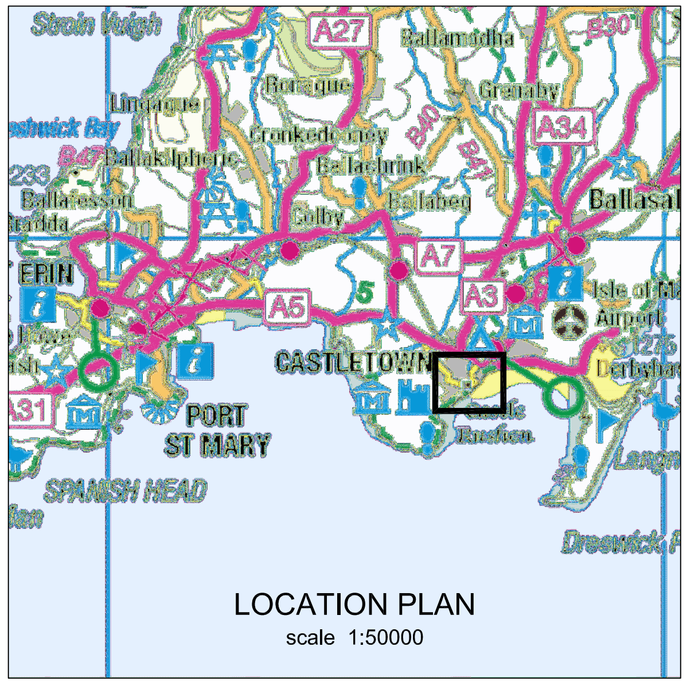
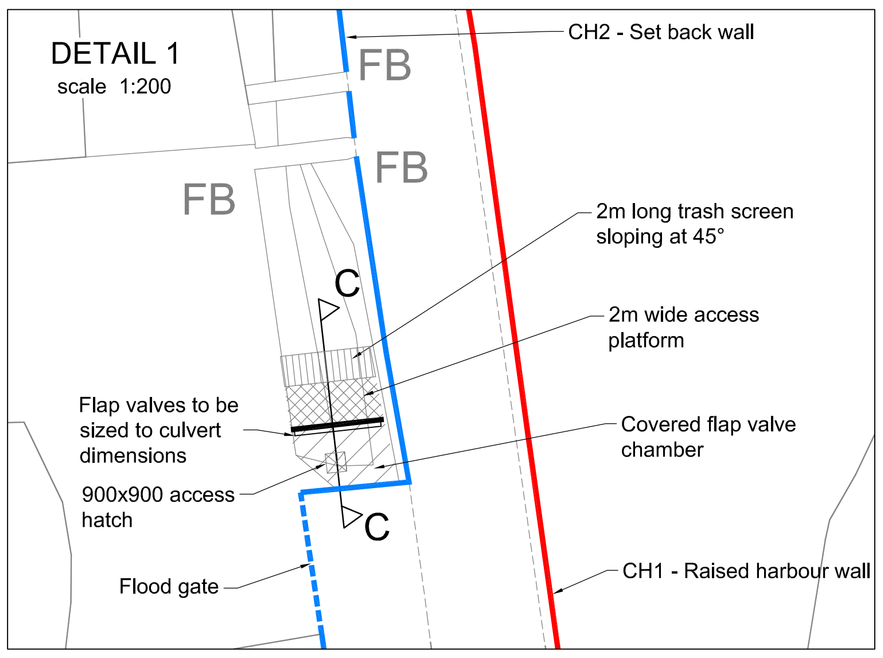
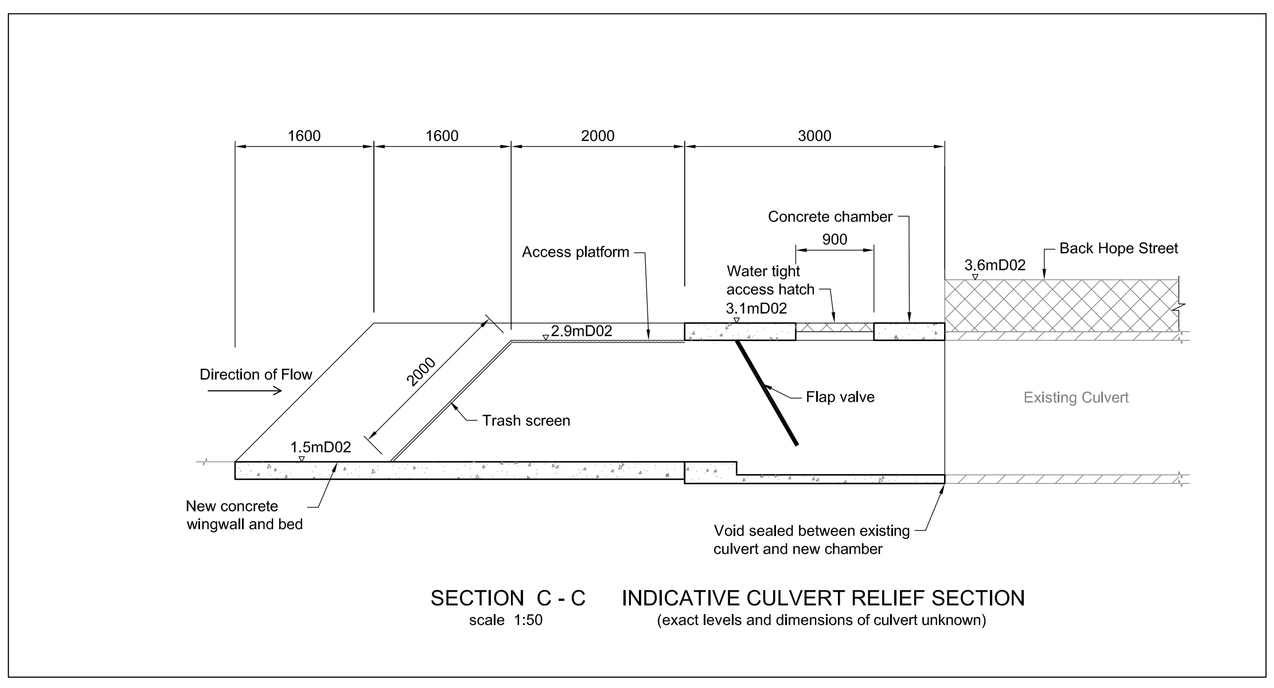


LOCATION PLAN
scale 1:50000

KEY

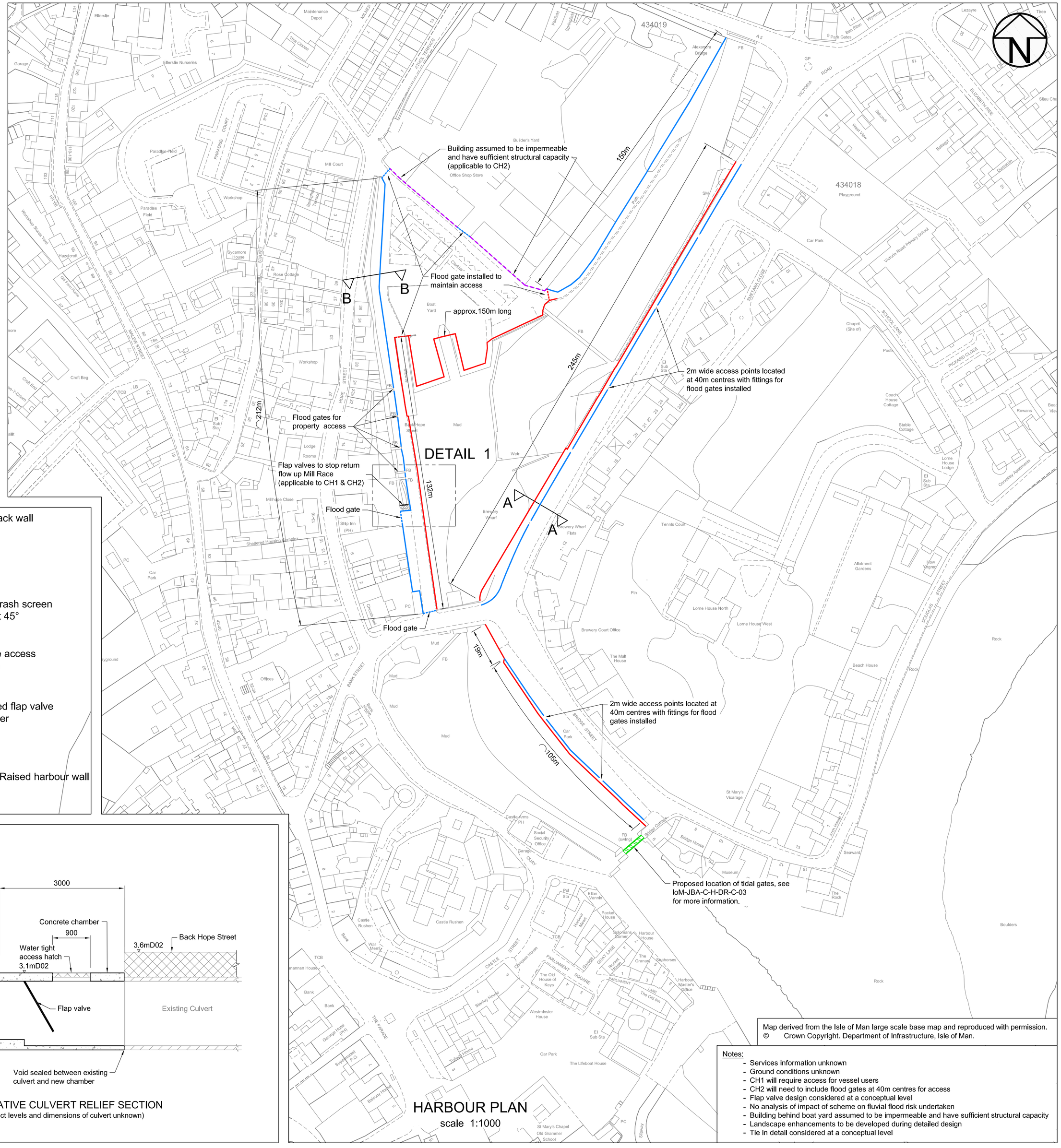
- CH1 - Raised harbour wall
- CH2 - Set back wall
- CH3 - Tidal gate





SECTION C - C
scale 1:50

INDICATIVE CULVERT RELIEF SECTION
(exact levels and dimensions of culvert unknown)



HARBOUR PLAN
scale 1:1000

Notes:
- Services information unknown
- Ground conditions unknown
- CH1 will require access for vessel users
- CH2 will need to include flood gates at 40m centres for access
- Flap valve design considered at a conceptual level
- No analysis of impact of scheme on fluvial flood risk undertaken
- Building behind boat yard assumed to be impermeable and have sufficient structural capacity
- Landscape enhancements to be developed during detailed design
- Tie in detail considered at a conceptual level

Construction Risks	Public Risks	Environmental Risks
• Restricted access and egress through narrow streets around Castletown Harbour • Working in an exposed coastal environment • Working near watercourse • Working at height • Unknown ground conditions • Unknown condition and structural capacity of existing quay wall • Services information currently unknown	• Public interaction with flap valve and box culvert • Working adjacent to public right of way (promenade and harbour) • Minimum height of wall above ground level to be no less than 1100mm	• Pollution hazards associated with working near the sea • Pollution of harbour with construction debris • Risk of damage to flora and fauna

In addition to the hazards/risks normally associated with the types of work detailed on this drawing take note of the above.
It is assumed that all works detailed on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

General Notes

1. All dimensions shown are in metres unless otherwise stated and levels are in metres to Douglas02 Datum.
2. Do not scale from this drawing. All dimensions must be checked/verified on site.
3. Drawing to be read in conjunction with IoM-JBA-C-H-DR-C-02 & -03
4. All works in watercourses will be carried out with care to minimise the risk of pollution adhering to Pollution Prevention Guidelines.
5. All works affecting flood defences, main watercourses and/or ordinary watercourses will be subject to Consent for Permanent and Temporary Works under the Land Drainage Act 1991.
6. The locations of any known services shown on drawing are approximate and for guidance only. The Contractor will confirm the location of any services prior to the commencement of any works.
7. The electronic model of this drawing is not to be used for setting out.

Rev.:	Comments	Date	Drawn	Designed	Checked	Approved

Client Approval

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

Purpose of Issue	Status
	Concept

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ISLE OF MAN GOVERNMENT - SEA DEFENCE OPTIONS

CASTLETOWN
HARBOUR PLAN

for

ISLE OF MAN GOVERNMENT
DEPARTMENT OF INFRASTRUCTURE

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Scale:			
As shown @ A1	Drawn:	M.J. Skinner	20/10/14
	Designed:	A. Dane	10/10/14
	Checked:	G. Kenn	26/11/14
	Approved:	G. Kenn	27/11/14

Digital File Name: 2014s1358

Drawing Number: IoM-JBA-C-H-DR-C-01

Revision