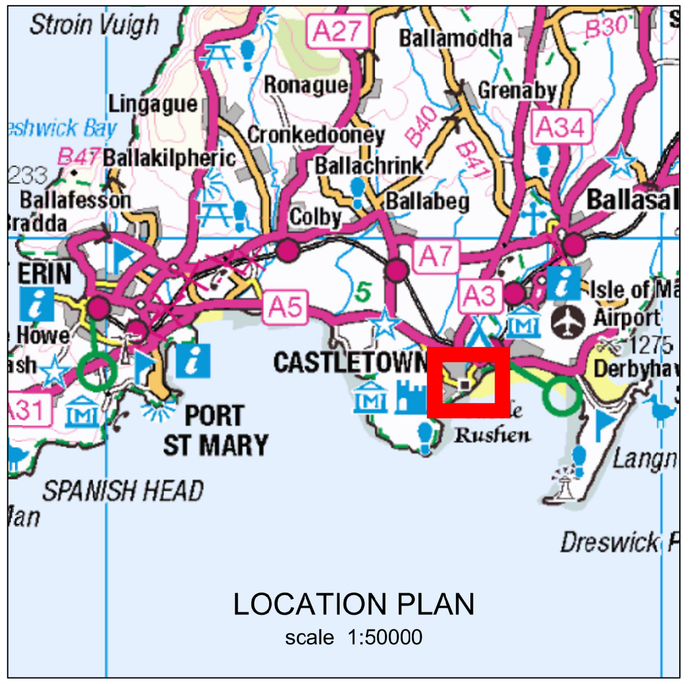
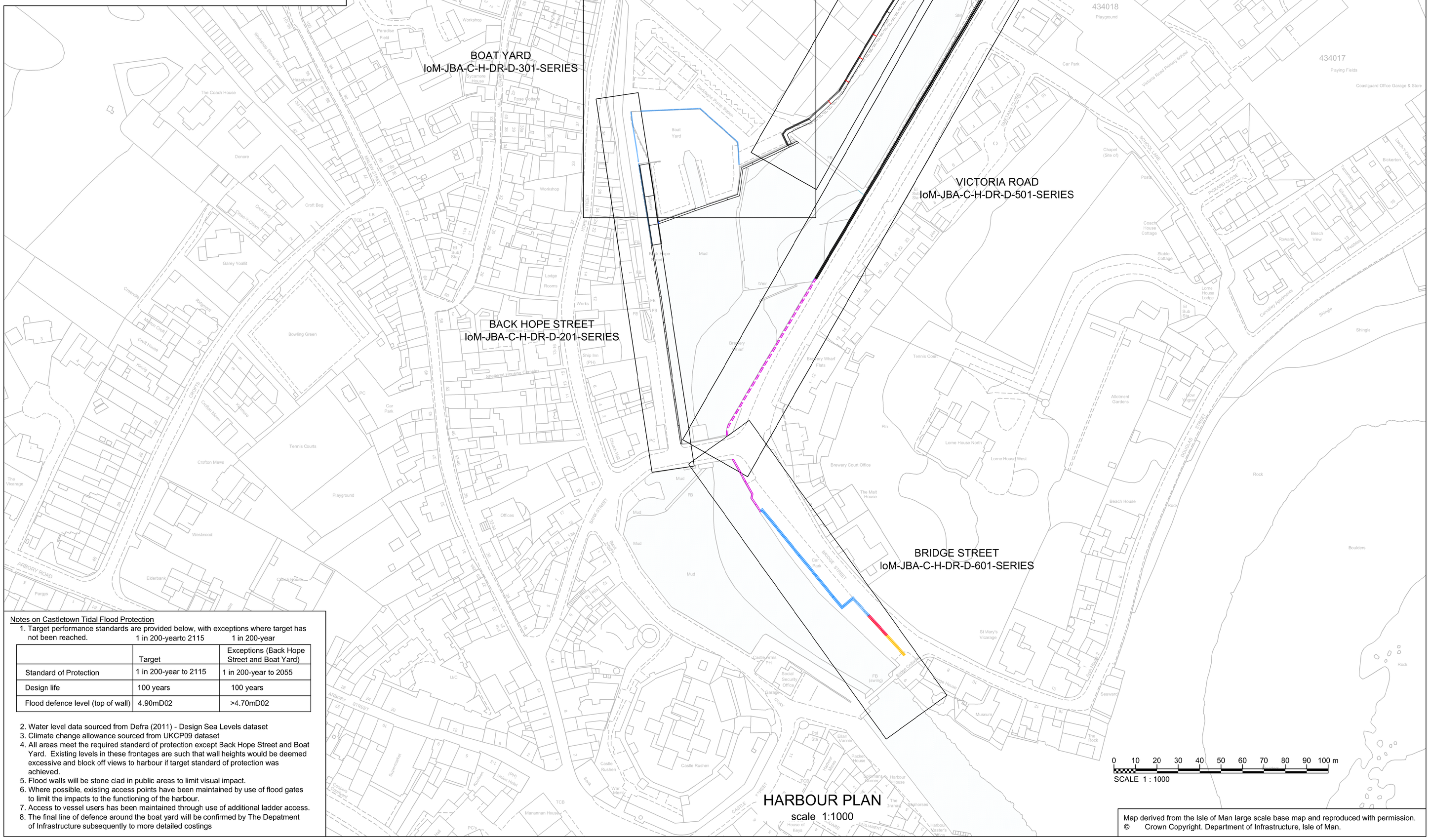


LOCATION PLAN
scale 1:50000



HARBOUR PLAN
scale 1:1000

Map derived from the Isle of Man large scale base map and reproduced with permission.
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Notes on Castletown Tidal Flood Protection

1. Target performance standards are provided below, with exceptions where target has not been reached. 1 in 200-yeartc 2115 1 in 200-year

	Target	Exceptions (Back Hope Street and Boat Yard)
Standard of Protection	1 in 200-year to 2115	1 in 200-year to 2055
Design life	100 years	100 years
Flood defence level (top of wall)	4.90mD02	>4.70mD02

2. Water level data sourced from Defra (2011) - Design Sea Levels dataset
3. Climate change allowance sourced from UKCP09 dataset
4. All areas meet the required standard of protection except Back Hope Street and Boat Yard. Existing levels in these frontages are such that wall heights would be deemed excessive and block off views to harbour if target standard of protection was achieved.
5. Flood walls will be stone clad in public areas to limit visual impact.
6. Where possible, existing access points have been maintained by use of flood gates to limit the impacts to the functioning of the harbour.
7. Access to vessel users has been maintained through use of additional ladder access.
8. The final line of defence around the boat yard will be confirmed by The Depatment of Infrastructure subsequently to more detailed costings

Construction Risks	Public Risks	Environmental Risks
• Noise and vibration from piling • Restricted access and egress through narrow streets around Castletown Harbour • Working in an exposed tidal environment • Working near watercourse • Working at height • Unknown ground conditions • Unknown condition and structural capacity of existing quay wall • Services	• Working within an operational boat yard • Working within private property boundary • 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 1150mm	• Vegetation/tree removal • 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 are specified in metres and levels are in metres above Douglas02 datum.
2. Drawing to be read in conjunction with other scheme drawings.
3. Do not scale from this drawing. All dimensions and levels to be checked/verified on site.
4. Any discrepancies shall be notified immediately to the Supervisor.
5. The electronic version of this drawing is not to be used for setting out.
6. The Contractor shall locate all services prior to commencement of any works on site. The location of known services shown on drawings are approximate and for guidance only.
7. All works in watercourses will be carried out with care to minimise the risk of pollution adhering to the Pollution Prevention Guidelines.
8. All works affecting flood defences, main watercourses and/or ordinary watercourses will be subject to Consent for Permanent and Temporary Works under the Flood Risk Management Act 2013.

	Comments								
Rev.:	Date		Drawn		Designed		Checked		Approved
	Comments								
Rev.:	Date		Drawn		Designed		Checked		Approved
	Comments								
Rev.:	Date		Drawn		Designed		Checked		Approved
	Comments								
Rev.:	Date		Drawn		Designed		Checked		Approved
	Comments								
Rev.:	Date		Drawn		Designed		Checked		Approved
A	Comments For Construction								
Rev.:	Date	14/02/17	Drawn	RG	Designed	AD	Checked	AT	Approved GK

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

Purpose of Issue	Status
For Construction	FINAL

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CASTLETOWN HARBOUR TIDAL WALLS

GENERAL ARRANGEMENT

for

infrastructure
highway services
bun-troggalys ~ shirveishyn raaldey

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Scale:			
1:1000 @ A1	Drawn:	R.B.Groves	09/09/16
	Designed:	A. Dane	08/09/16
	Checked:	G. Kenn	23/09/16
	Approved:	G. Kenn	23/09/16

Digital File Name: 2015s-3300

Drawing Number:	Revision
IoM-JBA-C-H-DR-D-101	A