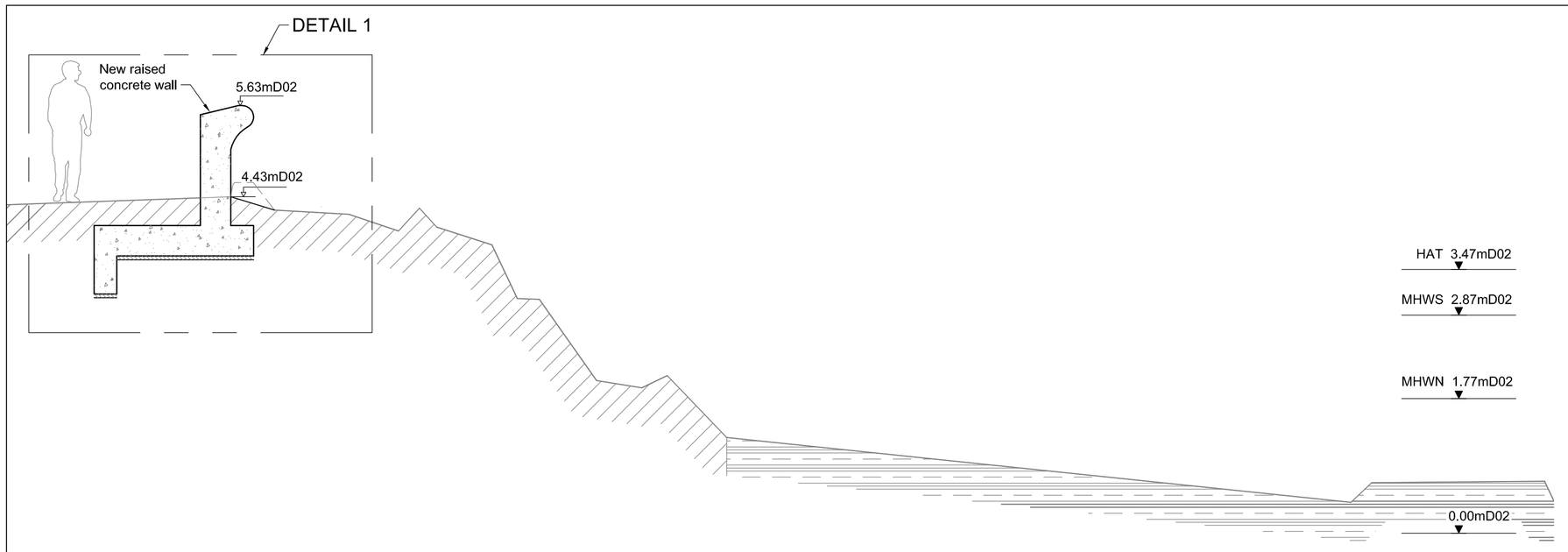
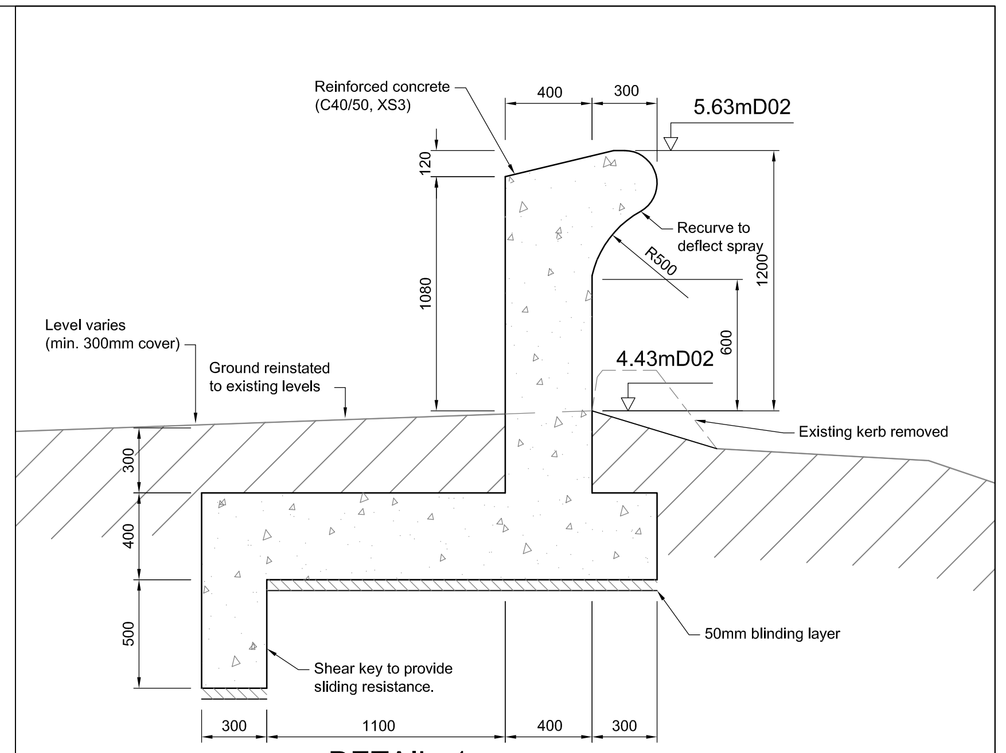
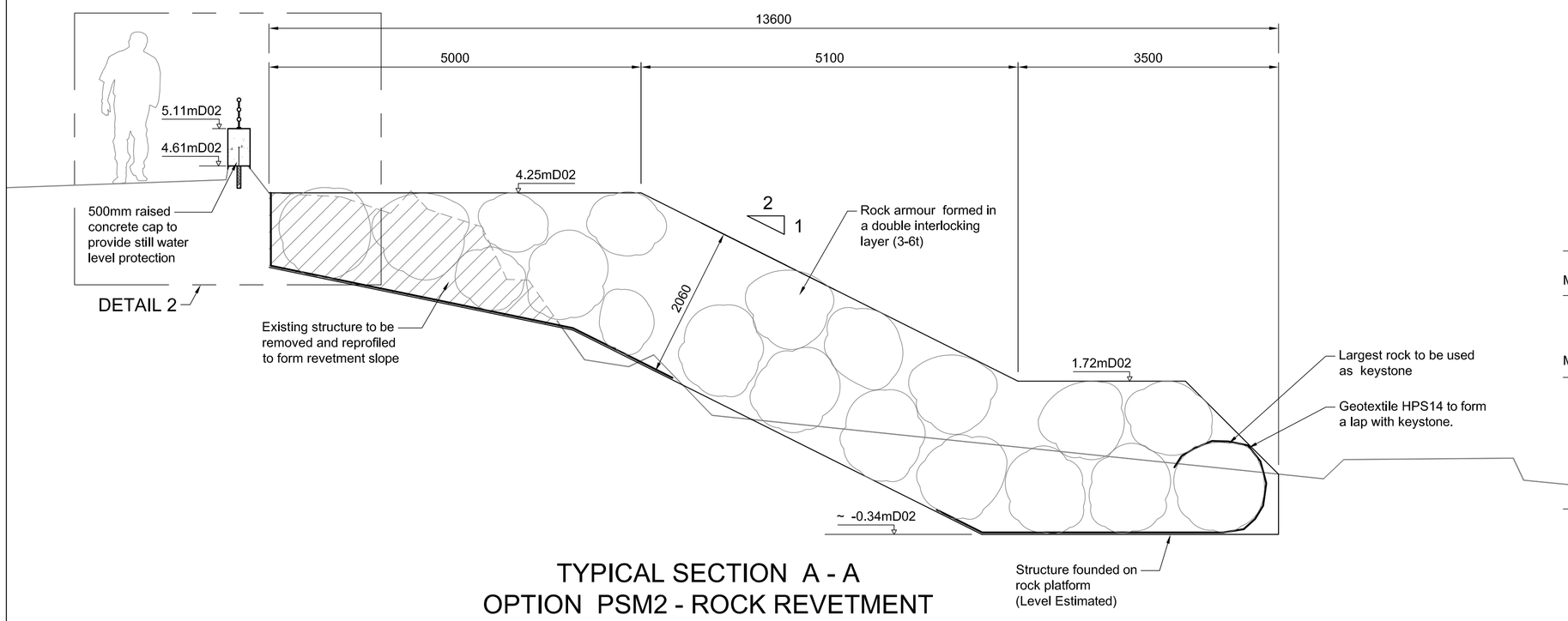


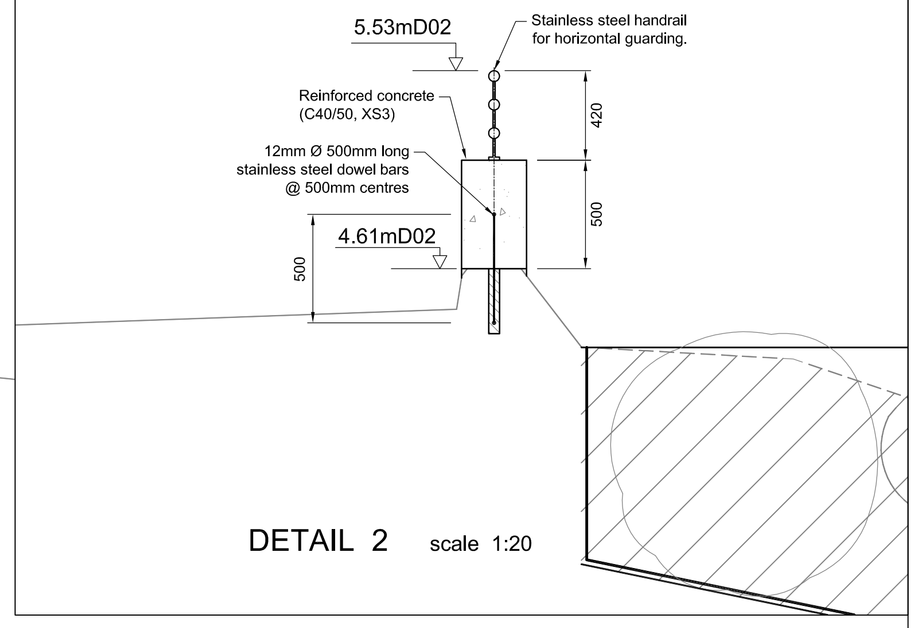
TYPICAL SECTION A - A
OPTION PSM1 - RAISED SEA WALL
scale 1:50



DETAIL 1 scale 1:20



TYPICAL SECTION A - A
OPTION PSM2 - ROCK REVETMENT
scale 1:50



DETAIL 2 scale 1:20

Notes:
- Services information unknown
- Ground conditions unknown
- Standard of protection - PSM1: 1 in 100-year in 2115
  PSM2: 1 in 200-year in 2115
- Both options will require flood gates to maintain public access to the slipway
- PSM2 requires a 500mm raised concrete cap to prevent still water level flooding
- Rock armour for PSM2 to be sourced in accordance with BS13383-1:2002
- Landscape enhancements to be developed during detailed design

Construction Risks	Public Risks	Environmental Risks
• Restricted access and egress through narrow streets around Port St. Mary • Working in an exposed coastal environment • Working at height • Unknown ground conditions • Unknown condition and structural capacity of existing wall • Services information currently unknown • Excavation of existing structure • Placement of rock armour	• Public Interaction with rock armour • Working adjacent to public right of way (promenade and harbour) • Minimum height of wall & handrail 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 millimetres 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-PSM-H-DR-C-01
4. 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.
5. 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.
6. The electronic model of this drawing is not to be used for setting out.

Rev.:	Comments	Date	Drawn	Designed	Checked	Approved

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

Purpose of Issue

Status: Concept

JBA consulting
Aberdeen House
South Road
HAYWARDS HEATH
West Sussex
RH16 4NG
United Kingdom
www.jbaconsulting.com
t +44 (0)1444 473652
f +44 (0)845 8627772
e info@jbaconsulting.com
Offices at Coleshill, Doncaster, Edinburgh, Haywards Heath, Leeds, Limerick, Newcastle upon Tyne, Newport, Saltaire, Skipton, Tadcaster, Thirsk, Wallingford and Warrington

ISLE OF MAN GOVERNMENT - SEA DEFENCE OPTIONS

PORT St. MARY
HARBOUR SECTIONS

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-PSM-H-DR-C-02

Revision