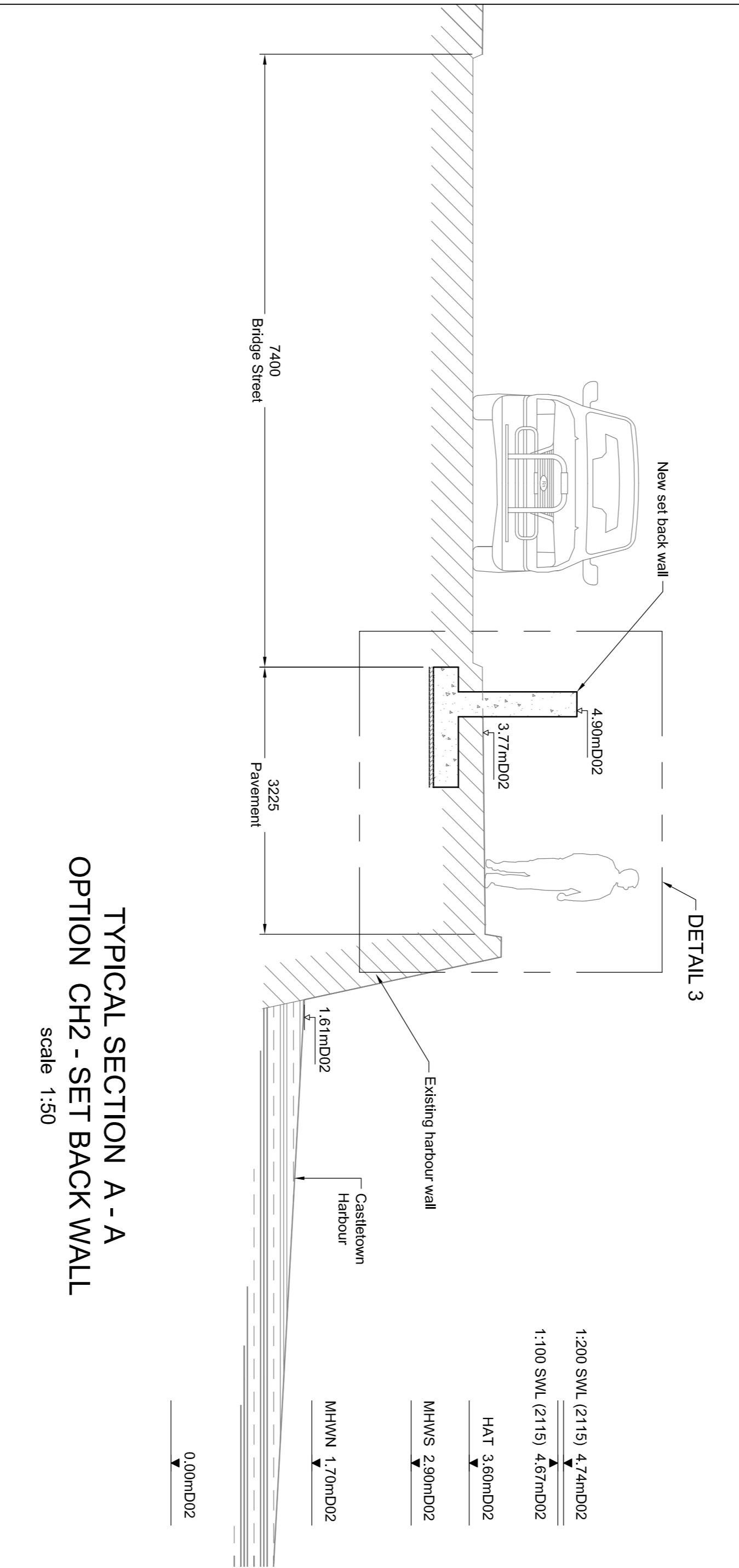
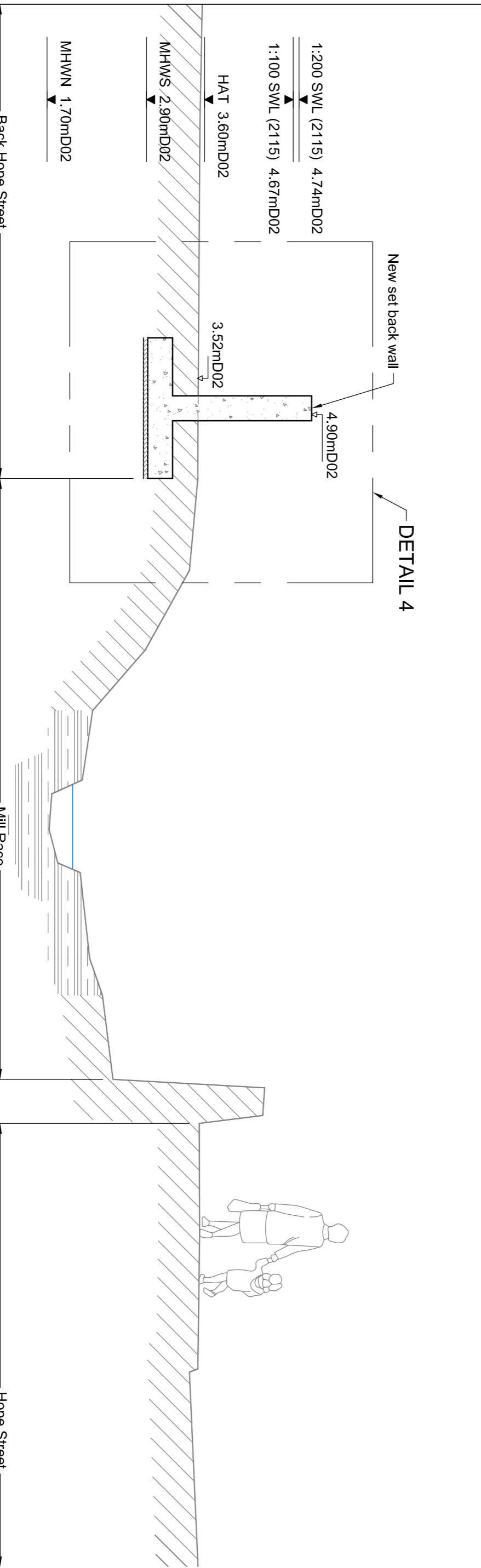
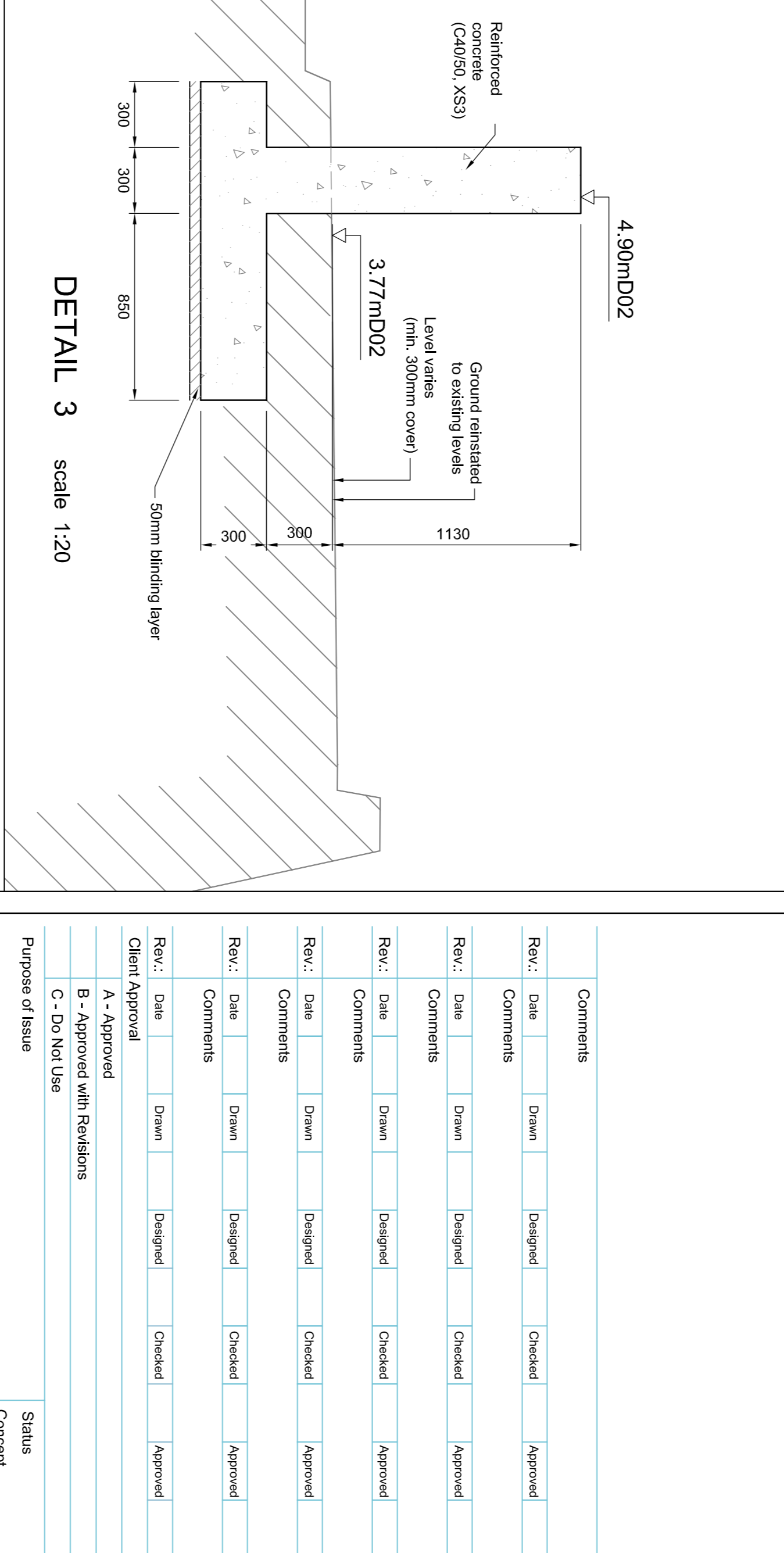


**TYPICAL SECTION A - A**  
**OPTION CH1 - RAISED HARBOUR WALL**  
 scale 1:50

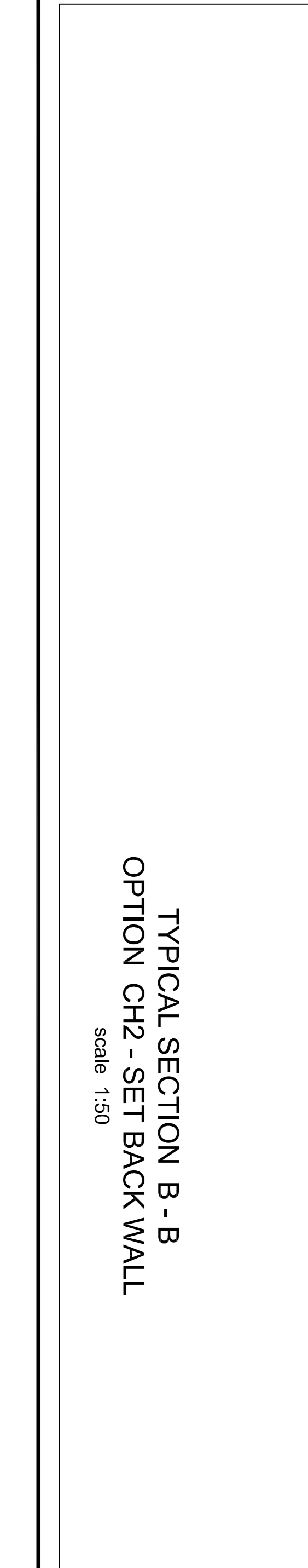
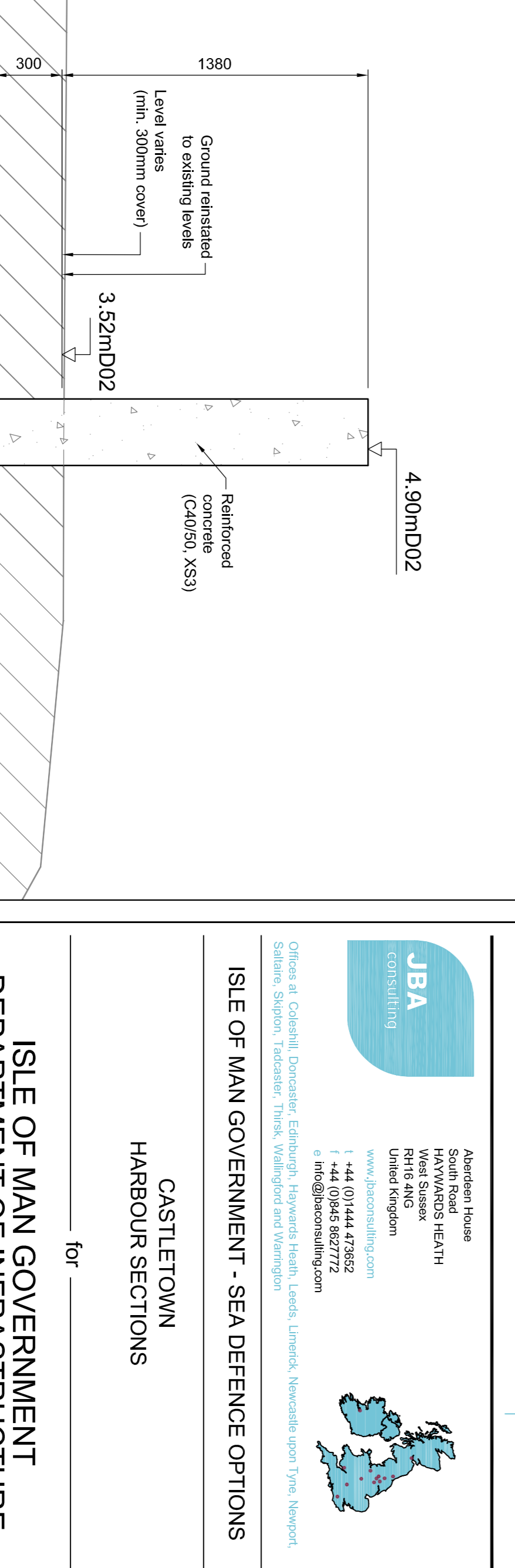
- Notes:**
- Services information unknown
  - Ground conditions unknown
  - CH1 will require access for vessel users
  - CH2 will need to include flood gates at 40m centres for access
  - Flowpath catch detail TBC during detailed design
  - Landscape enhancements to be developed during detailed design
  - Design includes 150mm headboard allowance
- Restricted access and egress**  
 through narrow streets around Castle town Harbour environment
- 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
- Environmental Risks**
- In addition to the hazards risks normally associated with the types of work detailed on this drawing, the contractor shall be responsible for the identification and control of any other risks. 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**
- All dimensions shown are in millimetres unless otherwise stated
  - and levels are in metres to Douglas2 Datum.
  - Do not scale from this drawing. All dimensions must be checked/verified on site.
  - Drawing to be read in conjunction with IOM-JBA-CH-DR-C-01
  - All works in watercourses will be carried out with care to minimise the risk of pollution adhering to Pollution Prevention Guidelines.
  - Works affecting flood defences, drain watercourses and/or ordinary watercourses shall be subject to the relevant consent (or Temporary Works under the Land Drainage Act 1993)
  - The locations of any known services shown on drawings are approximate and for guidance only. The Contractor will confirm the location of any services prior to the commencement of any works.
  - The electronic model of this drawing is not to be used for setting out.



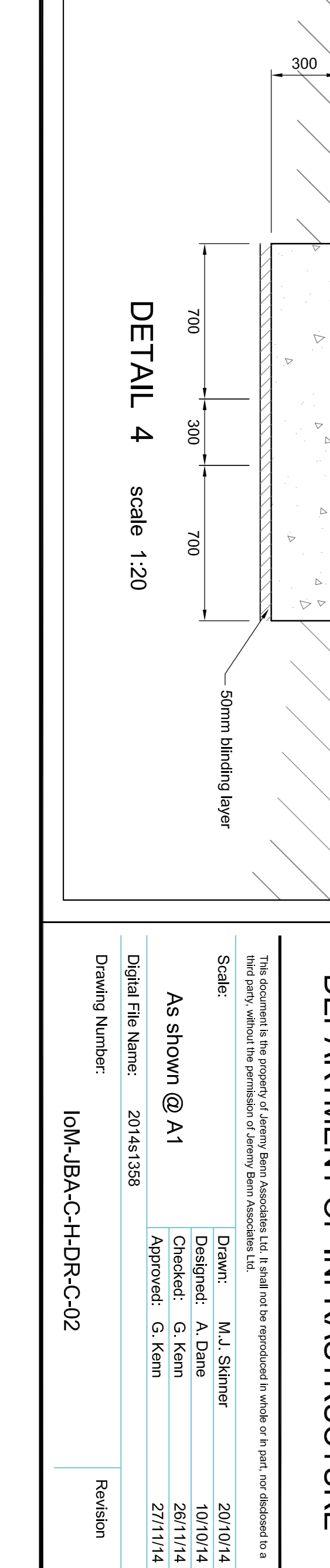
**TYPICAL SECTION A - A**  
**OPTION CH2 - SET BACK WALL**  
 scale 1:50



**TYPICAL SECTION A - A**  
**OPTION CH2 - SET BACK WALL**  
 scale 1:50



**TYPICAL SECTION B - B**  
**OPTION CH2 - SET BACK WALL**  
 scale 1:50



Rev.:	Date	Drawn	Designed	Checked	Approved
Rev.:	Date	Drawn	Designed	Checked	Approved
Rev.:	Date	Drawn	Designed	Checked	Approved
Rev.:	Date	Drawn	Designed	Checked	Approved
Rev.:	Date	Drawn	Designed	Checked	Approved
Rev.:	Date	Drawn	Designed	Checked	Approved

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

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**ISLE OF MAN GOVERNMENT - SEA DEFENCE OPTIONS**

**CASTLETOWN HARBOUR SECTIONS**

for \_\_\_\_\_

**ISLE OF MAN GOVERNMENT DEPARTMENT OF INFRASTRUCTURE**

Drawing Number: IOM-JBA-CH-DR-C-02

Digital File Name: 2014s1358

Scale: As shown @ A1

Drawn:	M.J. Skinner	20/10/14
Checked:	A. Daine	10/10/14
Approved:	G. Kern	28/11/14

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