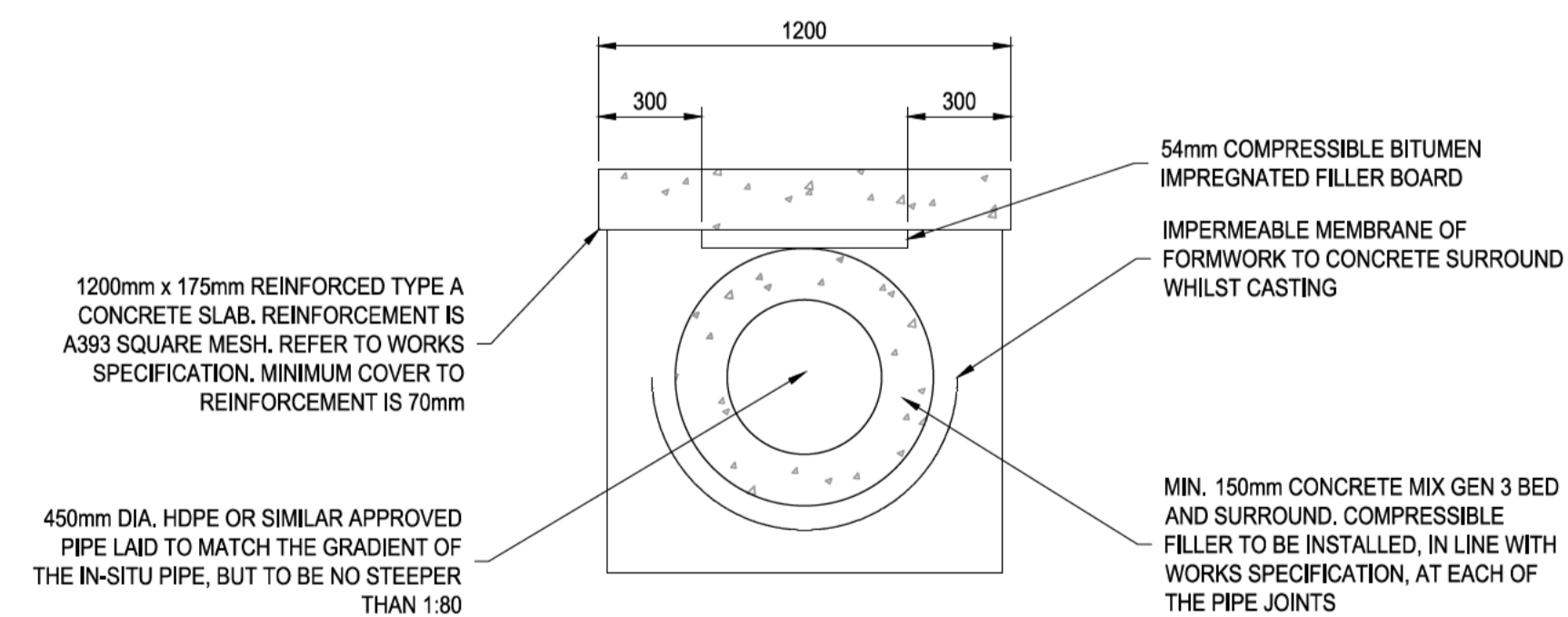
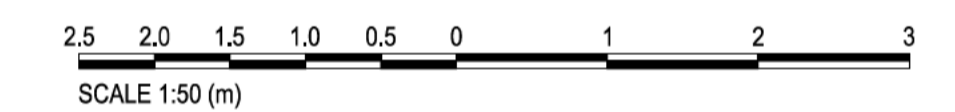


**A-A CROSS SECTION AT CULVERT**  
 (SEE DRAWING NO. TSD-JBAU-00-19D-DR-C-4001-General\_Arrangement\_Detailed\_Design)  
 Scale 1:50



**ELEVATION THROUGH CULVERT**  
 Scale 1:20

- Collapse of excavation/embankment during construction
- Unknown services
- Working adjacent to live railway line
- Working in an exposed coastal and tidal environment
- Movement of plant in and around sea
- Placement of rock armour
- Unauthorised site access
- Working adjacent to and within statutory and non-statutory designated sites
- Pollution hazards associated with working near sea
- Risk of damage to flora and fauna

| Construction Risks | Public Risks | Environmental Risks |
|--------------------|--------------|---------------------|
|--------------------|--------------|---------------------|

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. The co-ordinate system reference is IRENET95, based on Irish Transverse Mercator Projection. Levels are in metres above ordnance datum Belfast (mAOD) and refer to Northern Ireland 2015 geoid model.
2. Do not scale from this drawing. All dimensions must be checked/verified on site.
3. All dimensions are in millimetres unless noted otherwise.
4. All works in watercourses shall be carried out with care to minimise the risk of pollution adhering to guidance for pollution prevention.
5. Description and line and level of existing surfaces is approximate and will vary on site. Existing structures likely to extend below existing beach level.
6. Any localised soft spots at the formation level with less than minimum strength shall be treated with dig and replacement in accordance with the specification.

| Rev.: | Date     | Drawn | Designed | Checked | Approved |
|-------|----------|-------|----------|---------|----------|
| P01   | 27/05/26 |       |          |         |          |

Client Approval

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

Purpose of Issue: Detailed design for review and comment  
 Status: S3

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**Translink Sea Defences**

Detailed Design  
 CERD 19C - Rosses Bay Gransha  
 Cross Section at Culvert

for

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|           |           |          |
|-----------|-----------|----------|
| Scale:    | Drawn:    | 27/05/26 |
| 1:50 @ A1 | Designed: | 27/05/26 |
|           | Checked:  | 27/05/26 |
|           | Approved: | 27/05/26 |

Project Reference: 2020s0837 - Translink Sea Defences

|  |          |
|--|----------|
| Drawing Number:  | Revision |
| TSD-JBAU-00-19D-DR-C-4102-Cross_Section_At_Culvert_Detailed_Design | P01      |