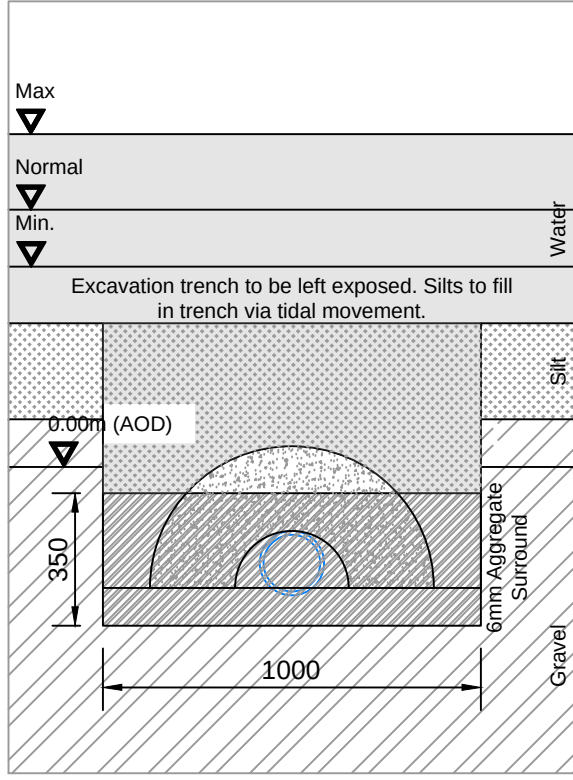
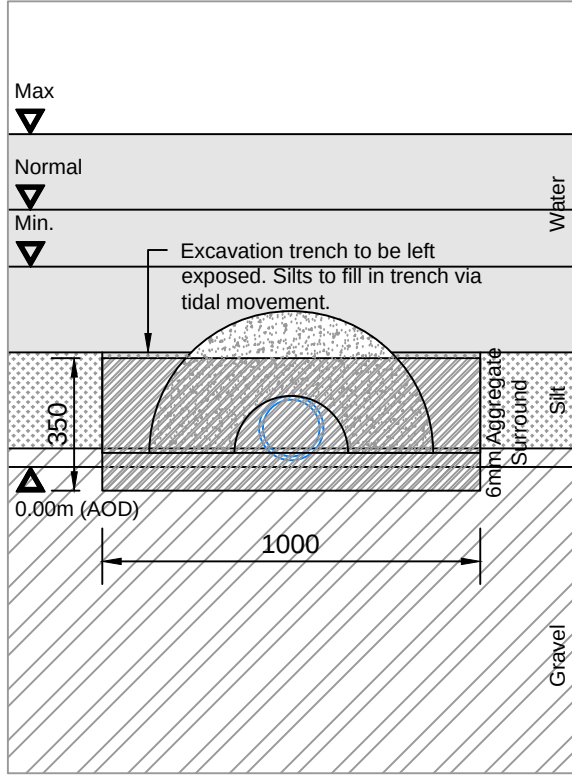
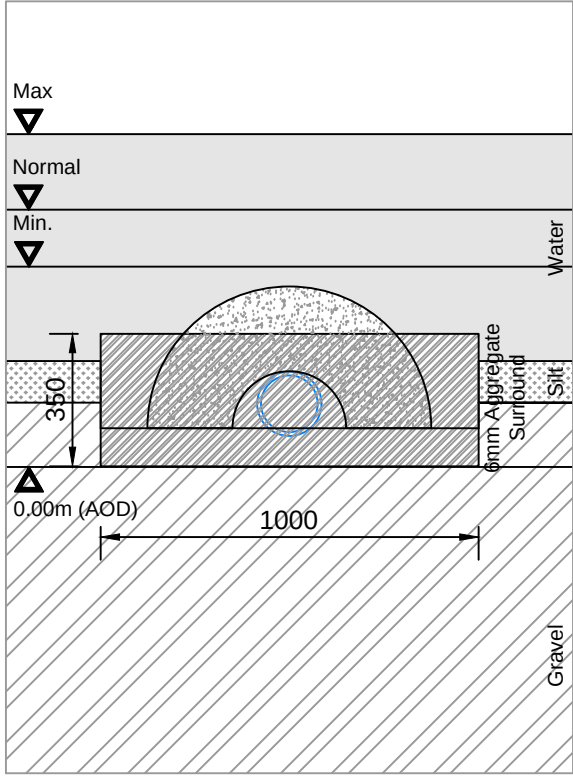
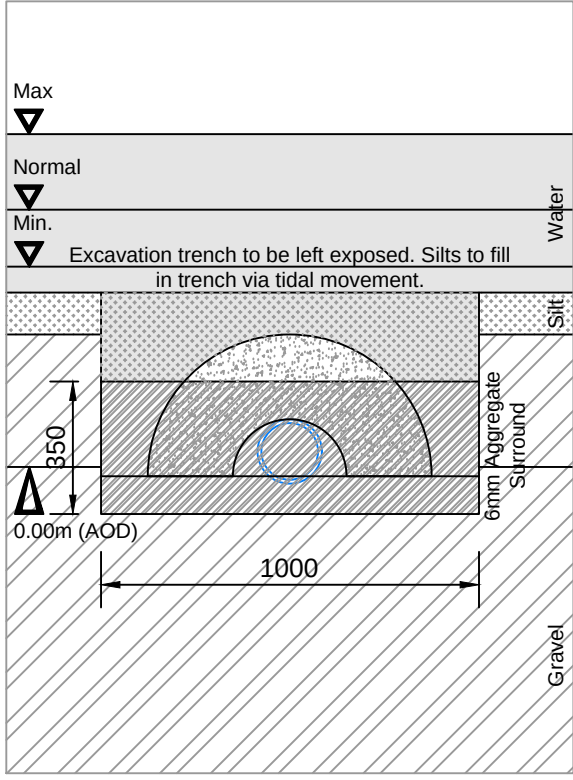


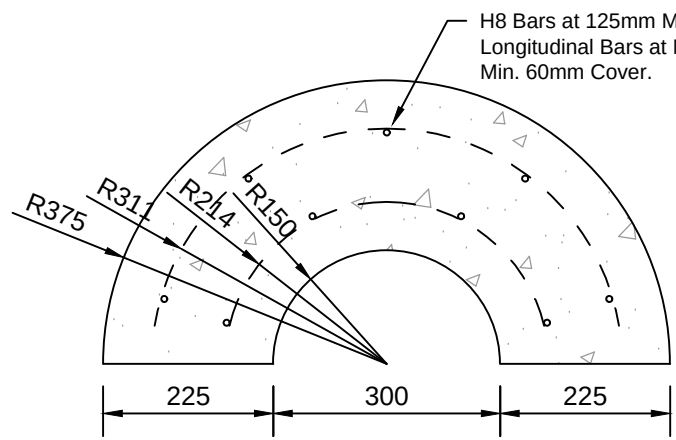
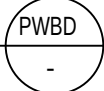
Standard Notes: Tidal/Underwater Pipe Anchorage

- Bedding and surround to comply with Civil Engineering Specification for the Water Industry (CESWI) Clause 505 unless noted otherwise.
- Pipe weights to be installed at spacing intervals shown on design drawings or as required to prevent flotation under maximum tidal uplift.
- Ensure trench is free from large debris or sharp edges prior to placement of pipe and bedding.
- Backfill above minimum water level to consist of native silt, unless specified otherwise.
- In all tidal locations, works are to be carried out during low tide where practicable.
- All concrete surfaces to achieve minimum reinforcement cover in accordance with BS EN 1992-1-1 and BS 8500-1.
- Concrete grade to be:
 - C28/35 (RC28/35) for non-tidal or inland works.
 - C35/45 (RC35/45) for marine or tidal environments (Exposure Class XS3).
- Reinforcement to be high-yield B500B to BS 4449.
- Pipe weights to be positioned symmetrically about pipe crown, ensuring full contact with pipe surface.
- Where multiple weights are used in sequence, maintain a minimum 50mm gap between adjacent units to allow for settlement and pipe flexibility.
- Weights to be restrained from lateral movement during placement, e.g. via temporary strapping or cradle rigging.
- Lifting points to be cast-in where required and checked for safe working load prior to use.
- Concrete to achieve minimum characteristic strength at 28 days as per specified grade.
- Pipe weight selection and spacing shall be verified against buoyancy calculations based on maximum tidal range and pipe weight.
- Dimensions shown are typical and may be adjusted to suit specific site conditions and pipe diameters.
- All works to be undertaken in accordance with relevant Health & Safety and environmental protection guidelines for working within tidal zones.



Typical Pipe Weight Bedding Details

SCALE 20

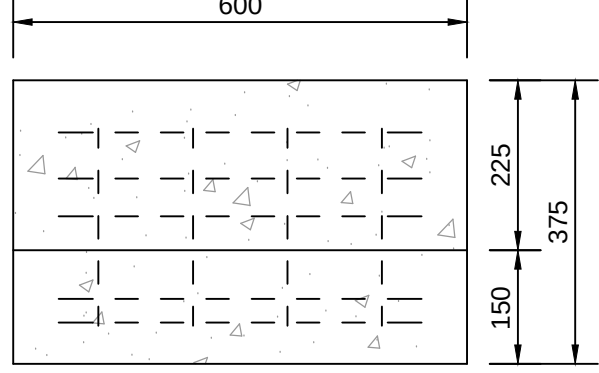


Typical Front Facing Precast Concrete Pipe Weight Detail
SCALE 1:10



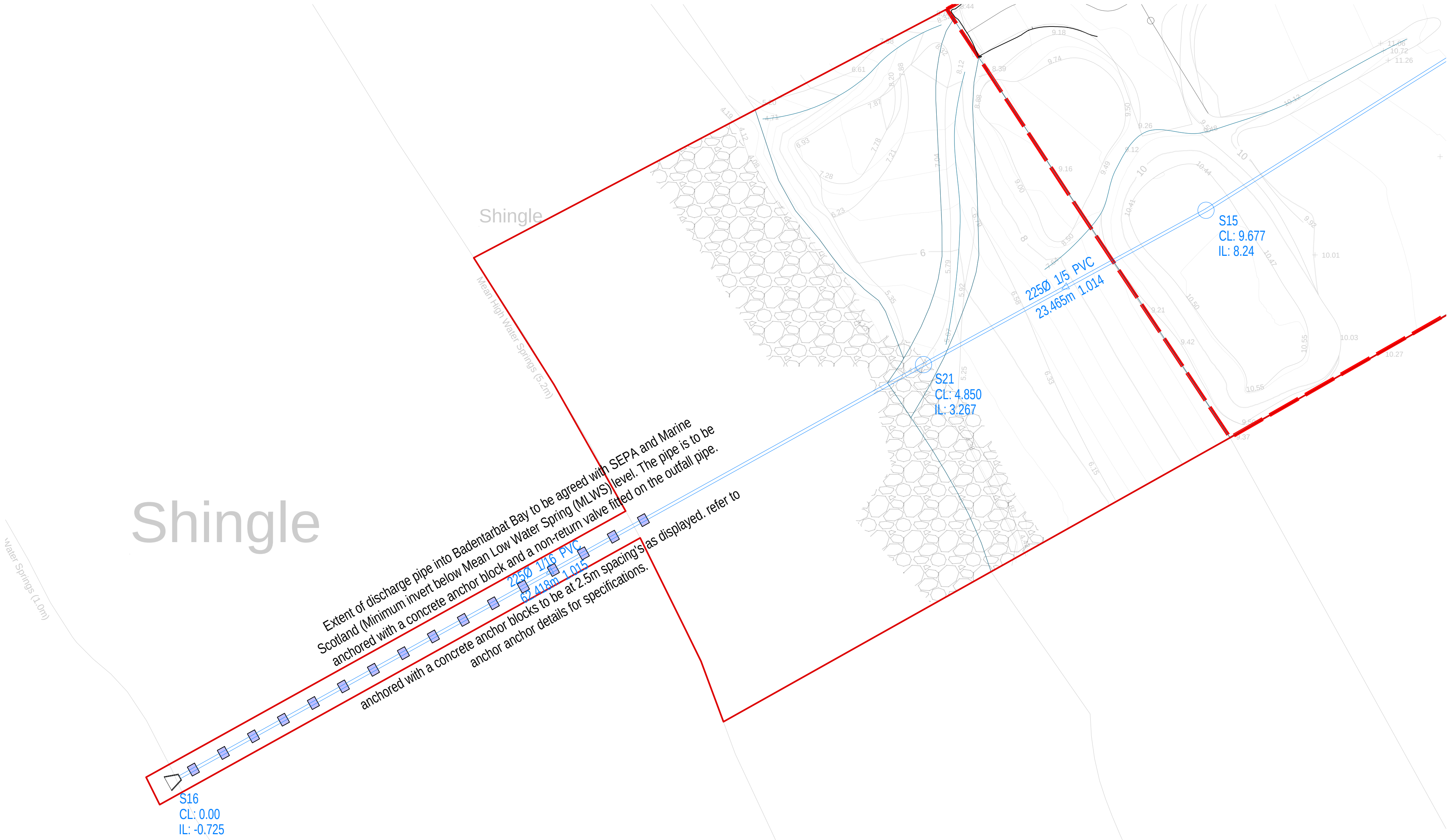
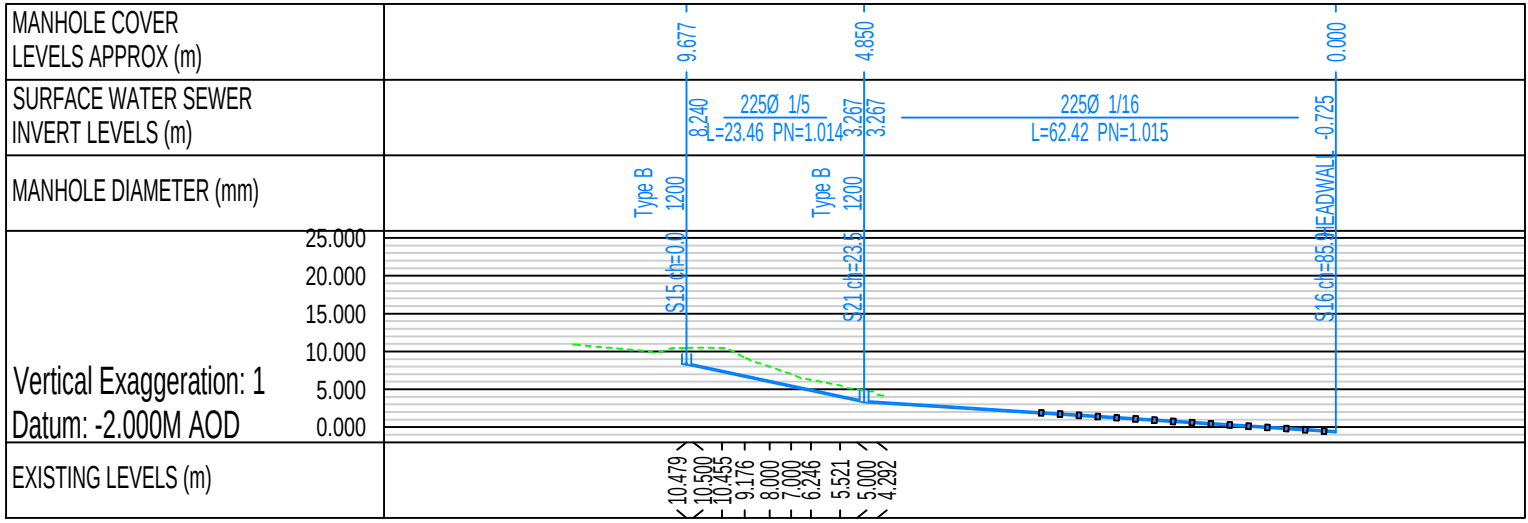
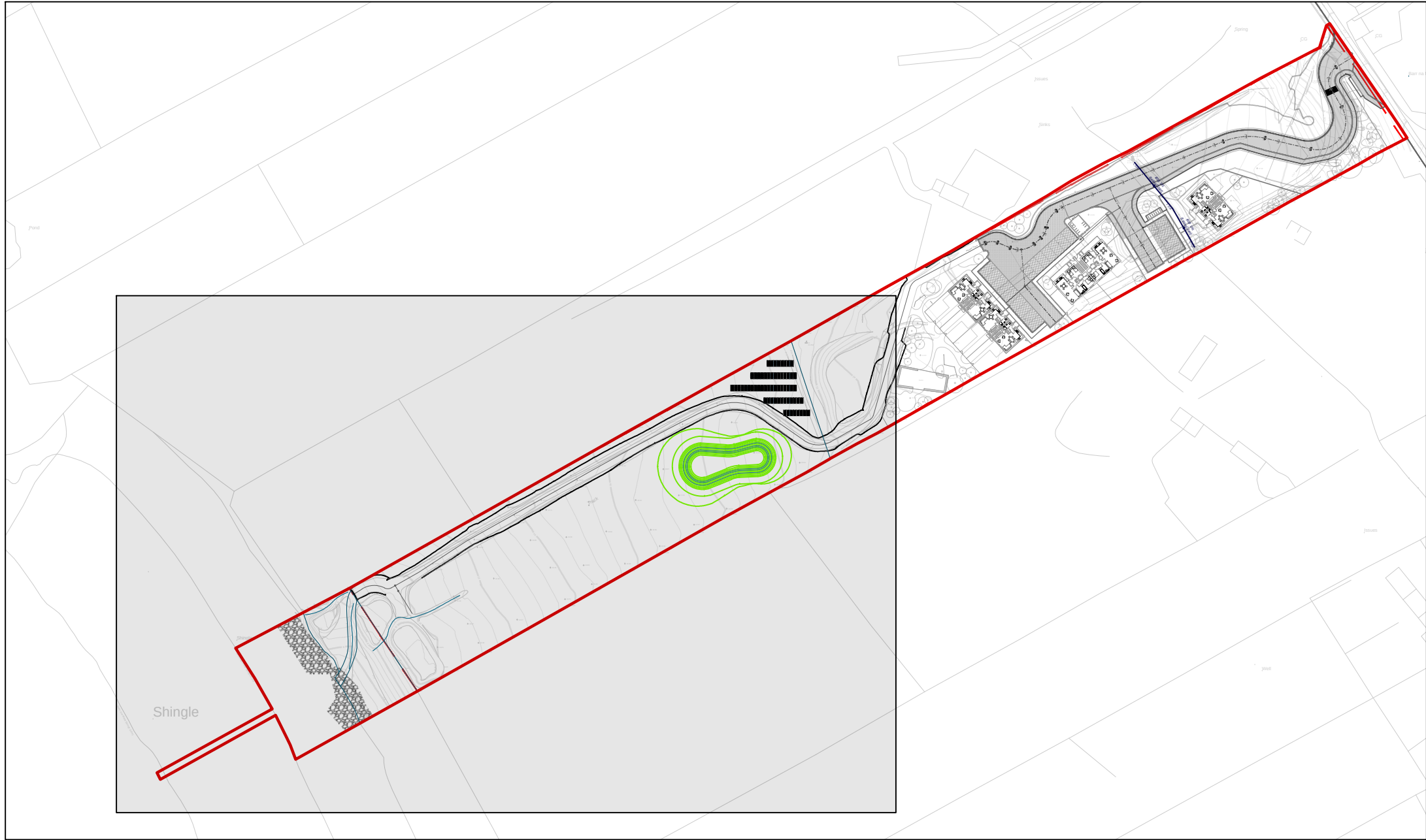
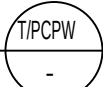
NOTES:

- Concrete pipe weights to have inside radius of 150mm, outside radius of 375mm and overall length of 600mm.
- Weight of each anchor block = 268kg.
- Max. Spacing of Blocks to be 5.00m
- Concrete grade RC (28/35). Max. w/c ratio 0.35. Min. cement content = 320kg/m³ x S2 class concrete.



Typical Section of Precast Concrete Pipe Weight Detail

SCALE 1:10



0m 2m 4m 6m 8m 10m
Scale 1:200 metres

Rev	Revision Description	Initial	Date

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Client:
Coigach Community Development

Project:
Affordable Housing,
Achiltibuie

Drawing Title:
Marine Anchorage Layout

Status:
Approval

Scale: 1:200 @ A1 Date: 06.07.2025
By: JDP Checked: AAM Approved: AAM

Dwg. No.
230674-000-CAM-DR-C-490

Rev.
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