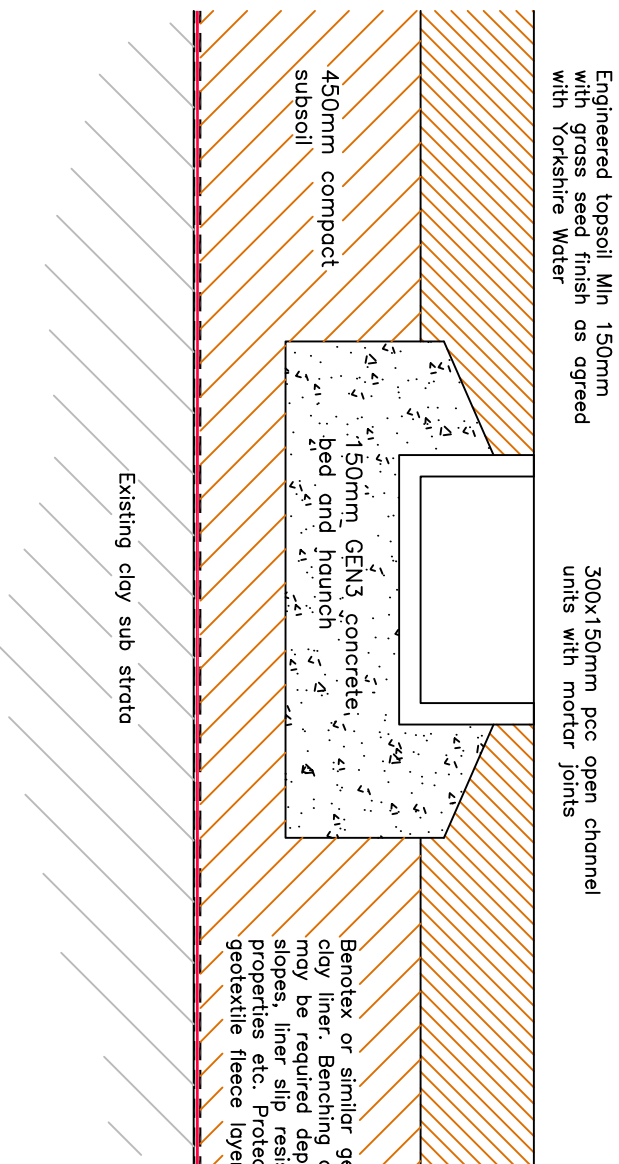


LOW FLOW CHANNEL



Liner to be sealed to inlet / outlet structure using stainless steel bolters and bolts.

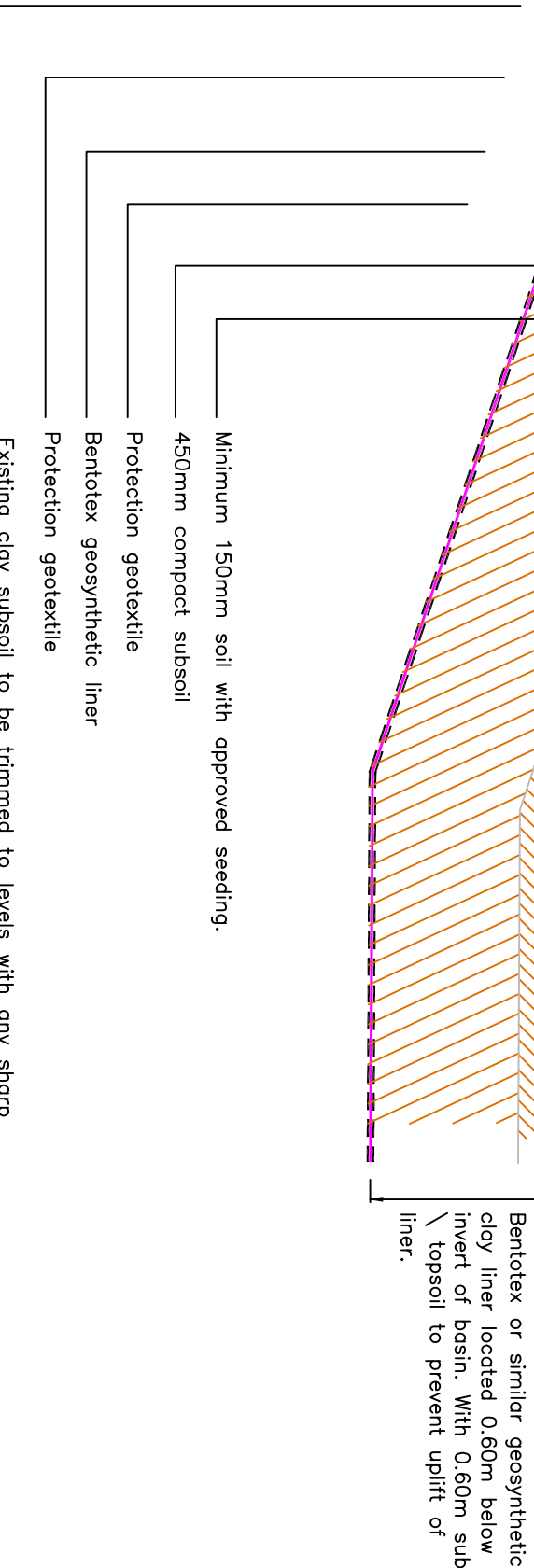
Adjacent liner sheets to be welded with watertight joints strictly to manufacturers instructions.

All geotextiles and liner to be installed strictly / exactly in accordance with manufacturers instructions and recommendations.

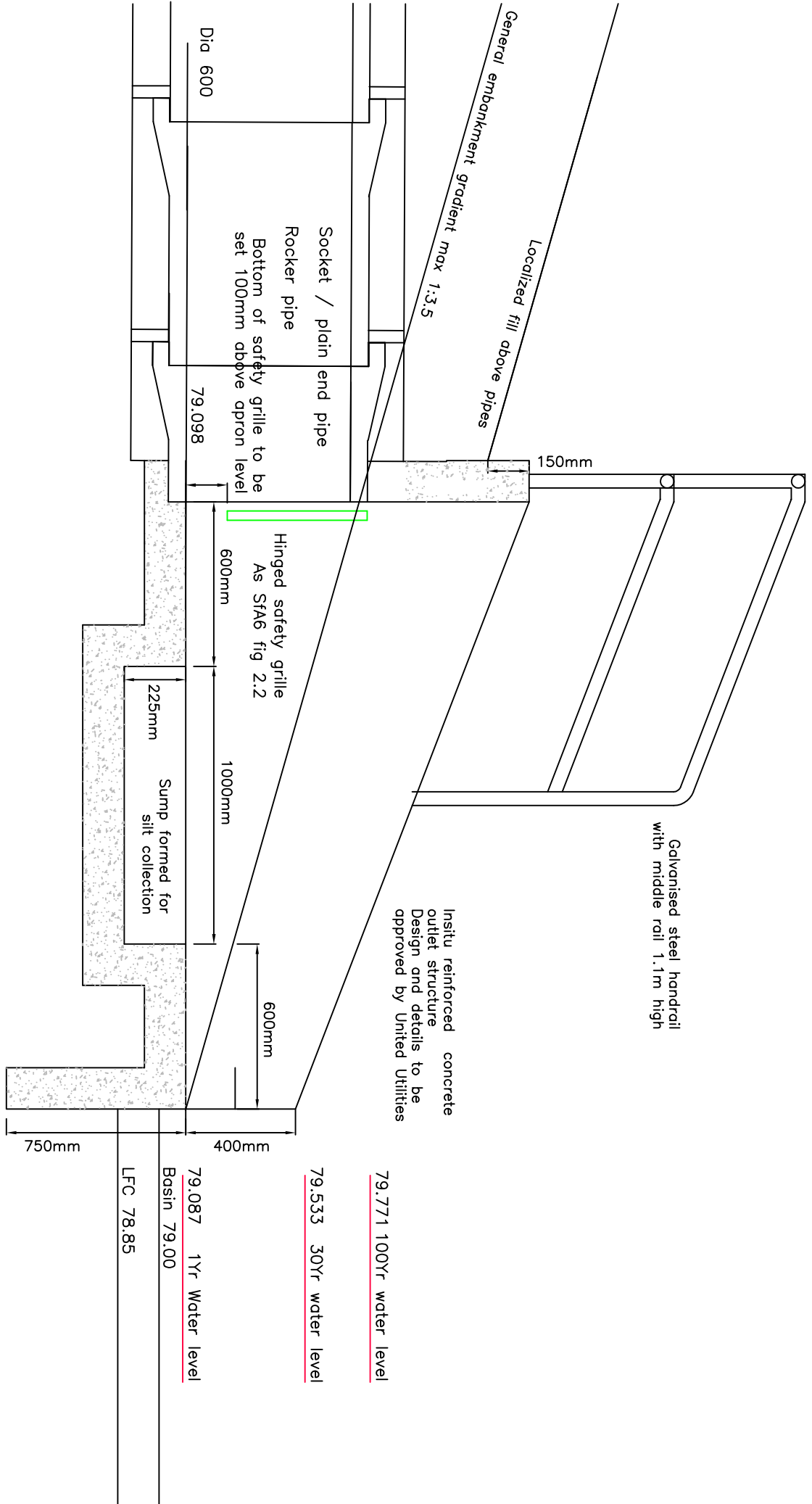
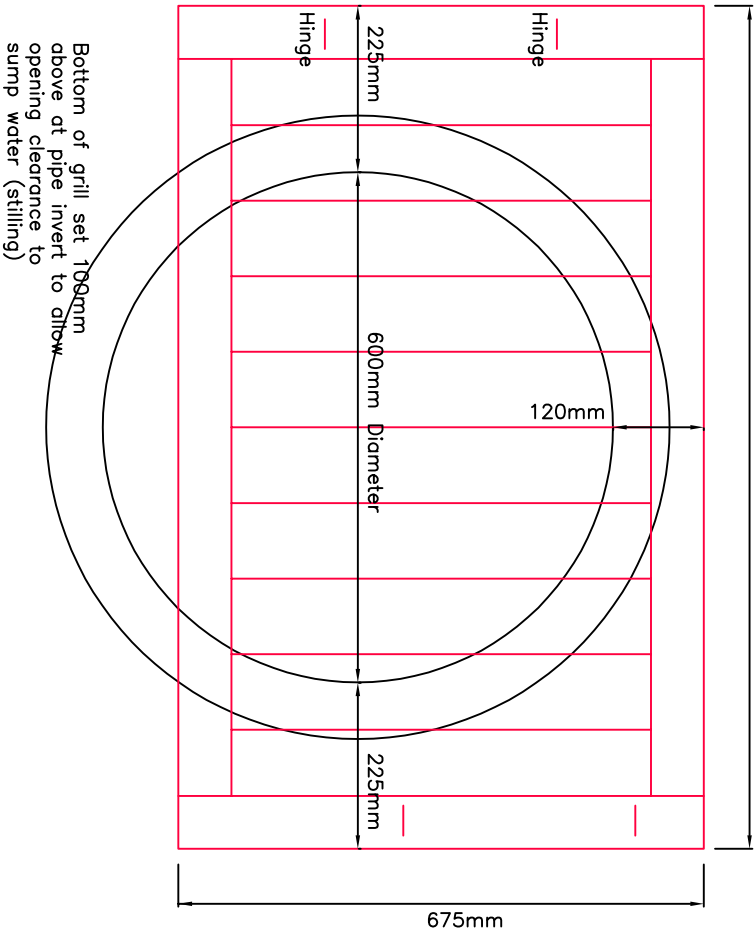
Typical basin construction detail

Dry basin Design Aspects

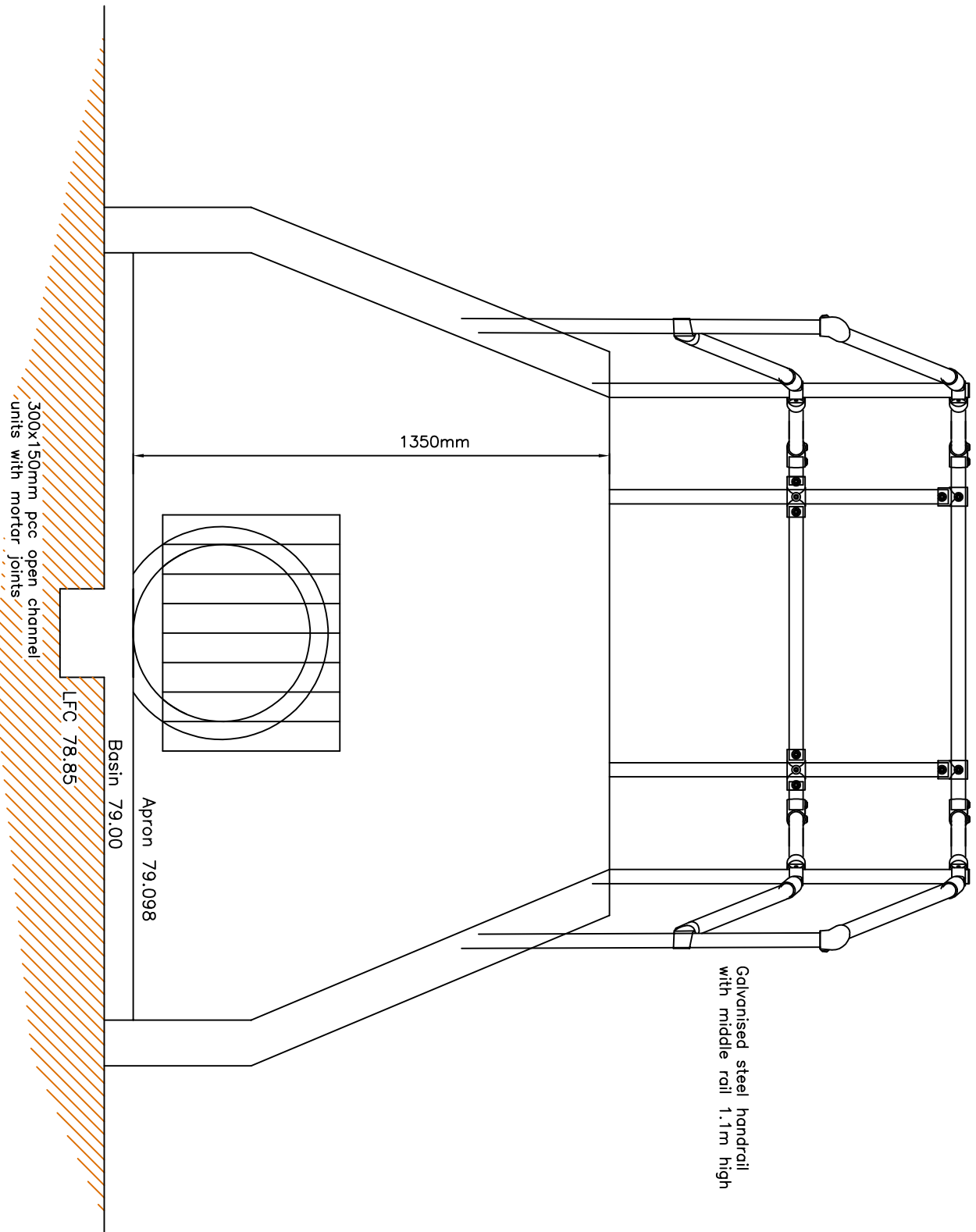
- The overall adoption arrangement must be that the surface water sewer system serving the site is adopted by Severn Trent Water with open storage and outfall structure maintained by approved management company
- The sewer inlet and outlet arrangement needs to be in accordance with UU adoption standards
- The open storage needs to incorporate safe design principles in accordance with RoSPA HK5 Guidelines for Operational Water Bodies.
- The open storage needs to be sized to accommodate the critical 1 in 100 yr + climate change event volume.
- The dry basin maximum nominal side slope is 1 in 3.5.
- The max flood depth is 0.88m in the critical 1 in 30 yr + climate change event.
- The max flood depth is 1.00m in the critical 1 in 100 yr + climate change event.
- Basin and adjacent areas to be planted with locally sourced marginal plant seed free from invasive species. Brown meadow seed mix



GALVANISED STEEL GRATE



S16A SECTION



S16A ELEVATION

D Full revision following input changes and implementation of surface water storage basin 14-8-21

R.A.B. ENGINEERING DESIGN LTD

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Whitehaven

S16A & Basin details

DRAWN BY: rab

SCALE: 1:25

DRAWING No: 1083-12-8

DATE: Aug 21

REV: D

PRELIMINARY ONLY