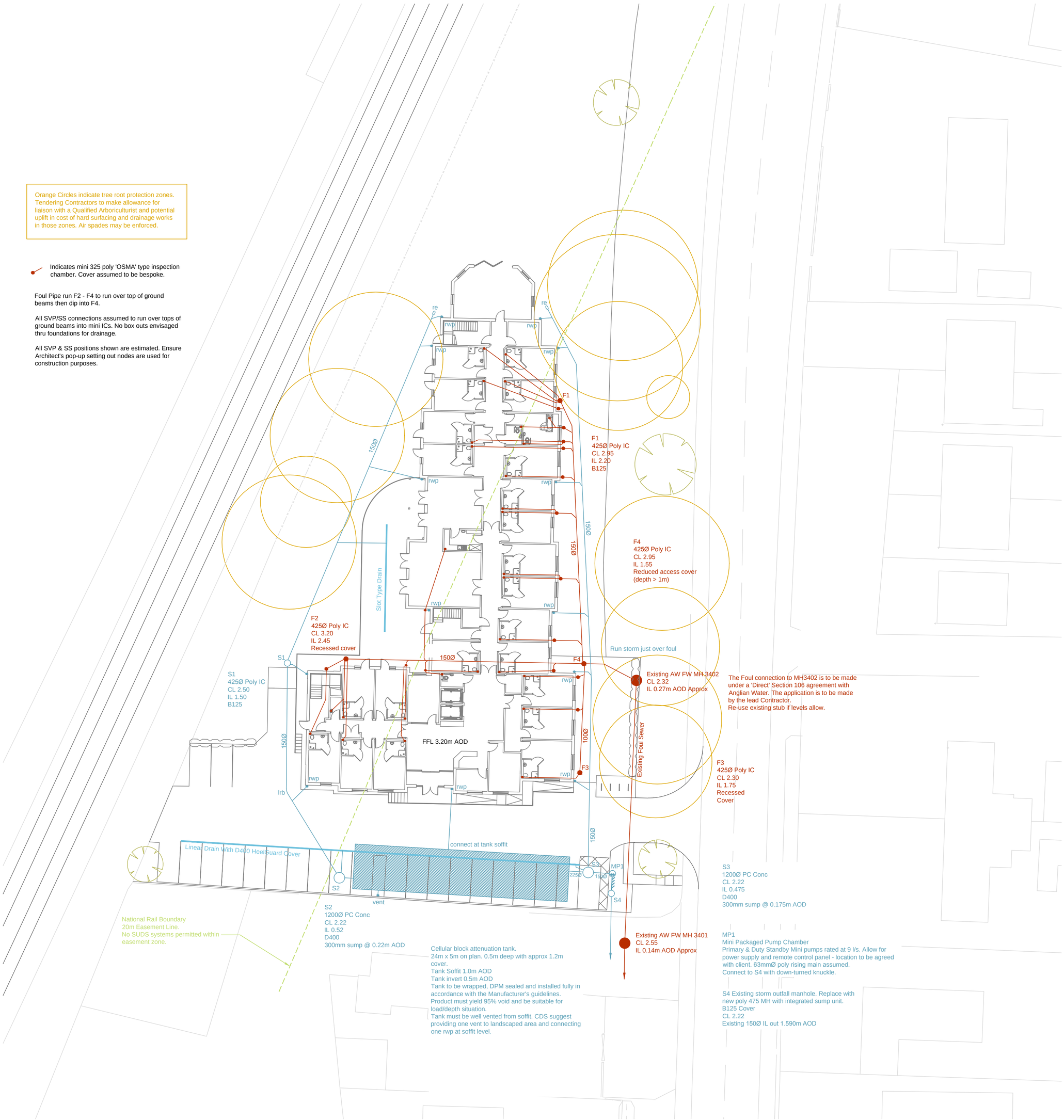
Orange Circles indicate tree root protection zones. Tendering Contractors to make allowance for liaison with a Qualified Arboriculturist and potential uplift in cost of hard surfacing and drainage works in those zones. Air spades may be enforced.

Indicates mini 325 poly 'OSMA' type inspection chamber. Cover assumed to be bespoke.

Foul Pipe run F2 - F4 to run over top of ground beams then dip into F4.

All SVP/SS connections assumed to run over tops of ground beams into mini ICs. No box outs envisaged thru foundations for drainage.

All SVP & SS positions shown are estimated. Ensure Architect's pop-up setting out nodes are used for construction purposes.



Design Notes

This design is in accordance with the CDS Drainage Assessment submitted with the Planning Application.

The existing storm outfall for the site follows a 'Riparian' owned drainage system, exiting the site in a south-ward direction. This ultimately connects to the drainage ditch referenced as ADOPTION_4146, owned by Lincolnshire CC.

It is the intention of the design to re-use the existing outfall, but with a 30% reduction in flow compared to the existing situation. i.e 9.0 l/s.

At the time of writing we understand that no SUDs or attenuation systems can be installed within the 20m Railtrack Easement. As such, a gravity drainage system with attenuation cannot be achieved. If Railtrack allow a sealed tank to be installed in the higher ground to the north of the building (where cover can be achieved), a gravity system may be investigated. For pricing allow for the mini packaged pump unit as shown for the flow control of storm water.

At present, the design assumes a separate storage tank be installed for the fire sprinkler system, fed by the clean water supply. The successful Contractor may investigate the integration of this storage into the storm water attenuation tank, by way of a permanently filled sump. Filtration, flota/ballcock and pumping requirements TBA by M&E specialist.

Rev.	By	Date	Details	Chkd

Drawing Status: Tender

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Scale (A1)	Drawn by.	Drg. No.
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