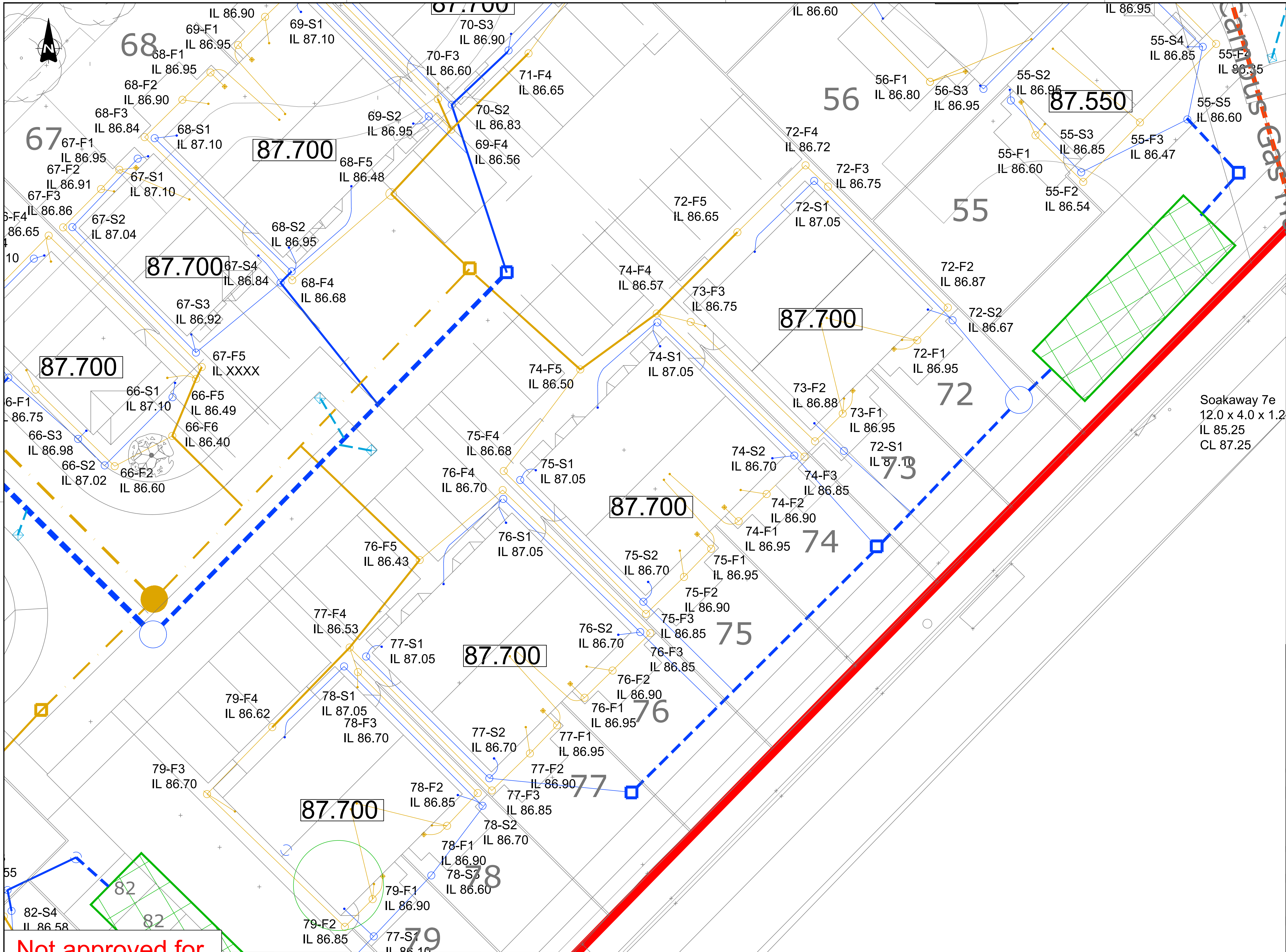




Not approved for construction

NOTES:

- Do not scale from this drawing. If in doubt refer to the Engineer for clarification.
- All levels in mAOd unless otherwise specified. All dimensions in metres unless otherwise specified.
- Scheme layout from DS Jones & Co drawing DSJ10408.10.
- Drainage works adoptable by Dwr Cymru shall comply with *The Welsh Ministers standards for new gravity foul sewers and lateral drains or sewers for adoption 7th Edition (SFA)* as appropriate.
- Private drainage works shall comply with the *Building Standards part H*. Highway drainage adoptable by Wrexham Council shall comply with SHW and with WC requirements as appropriate.
- Drainage construction details are shown on dwgs 109540-510 - 513.
- Trunk-sewer layouts and long sections are shown on dwgs 106540-504-506 and 521-532 respectively.
- Manhole cover levels are listed to match the wearing-course finished surface. Where new roads are constructed initially to base-course, gully gratings and manhole covers are to be set to match (40mm lower than shown) unless instructed otherwise.
- All mortar, in-situ or precast concrete must use sulphate-resisting Portland cement or alternative as per clause E2.9 (SFA). The BRE SD1 ratings are DS-1 and AC-1.
- Manhole covers for adoptable manholes in estate roads to be rated at D400 (to BS EN124) and kile-marked. Covers to inspection chambers in driveways or other off-road areas to be rated at B125 and kile-marked.
- All pre-cast concrete manholes to be to BS EN1916:2002 / BS 5911-1:2002 and kile-marked.
- All PE and PVCu pipes to comply with the appropriate sections of *Sewers for Adoption 7th Edition*.
- All Vitrifed Clay pipes to be to BS EN 295 and kile-marked. VC pipe strength class to be minimum 34kN/m in accordance with Table 5, BS EN295-1 for pipes up to 150 dia.
- All concrete pipes to be to BS EN1916 and BS5911-1 and kile-marked. Concrete pipe strength to be Class 120 in accordance with Table 8 BS5911-1.
- PE and PVCu pipes to comply with the relevant clauses of *Sewers for Adoption 7th Edition*.
- All private drains are 100mm dia unless stated otherwise. All private inspection chambers have minimum internal diameter of 450mm.
- Bedding fill for Type S bed & surround to be mixed gravel in accordance with WIS 4-08-01, sized as below:

Pipe Dia	Aggregate size
100	10mm (single size)
150-225	5 - 14mm
- Sewers beneath roads and communal parking areas to be backfilled above the bed & surround with Type 1 or Type 2 granular fill laid and compacted in layers not exceeding 0.3m thick up to the underside of the pavement construction - this includes any porous sub-base for permeable pavements. Sewer lengths beneath gardens or driveways may be backfilled with selected excavated fill laid and compacted in layers to suit the material, subject to the Engineer's prior approval of the proposed backfill material.

Key:

- Trunk surface-water sewer & manhole/inspection chamber
- Trunk foul-water sewer & manhole/inspection chamber
- Private surface-water drain & inspection chamber
- Private foul-water drain & inspection chamber
- Lateral surface-water drain
- Lateral foul-water drain
- Highways surface-water drain & inspection chamber
- Proprietary cellular infiltration & storage feature
- Site Boundary
- Finished floor level

Rev.	Date	Revision details	Drawn	Checked	Approved

© This drawing is the property of Systra Limited and the information can only be reproduced with their prior permission.

SYSTRA

www.systra.co.uk

8th Floor, Alpha Tower
Suffolk Street Queensway
Birmingham, B1 1TT

T 0121 230 6010
F 0121 230 6011

Client	Project	Title
Edwards Homes Ltd	Plas Coch North Quarter Glyndwr University, Wrexham	Private Drainage Layout Sheet 10 of 12

Drawn	Checked	Approved
RD	JC	TD

Original dep. size	Date	Scale
A1	Sept 2021	1:100

Drawing Status	Drawing Number	Rev.
Approval	109540-530	-

This drawing is based upon the Ordnance Survey Map with the permission of The Controller of Her Majesty's Stationary Office Crown Copyright reserved.

0m 5m 10m 20m