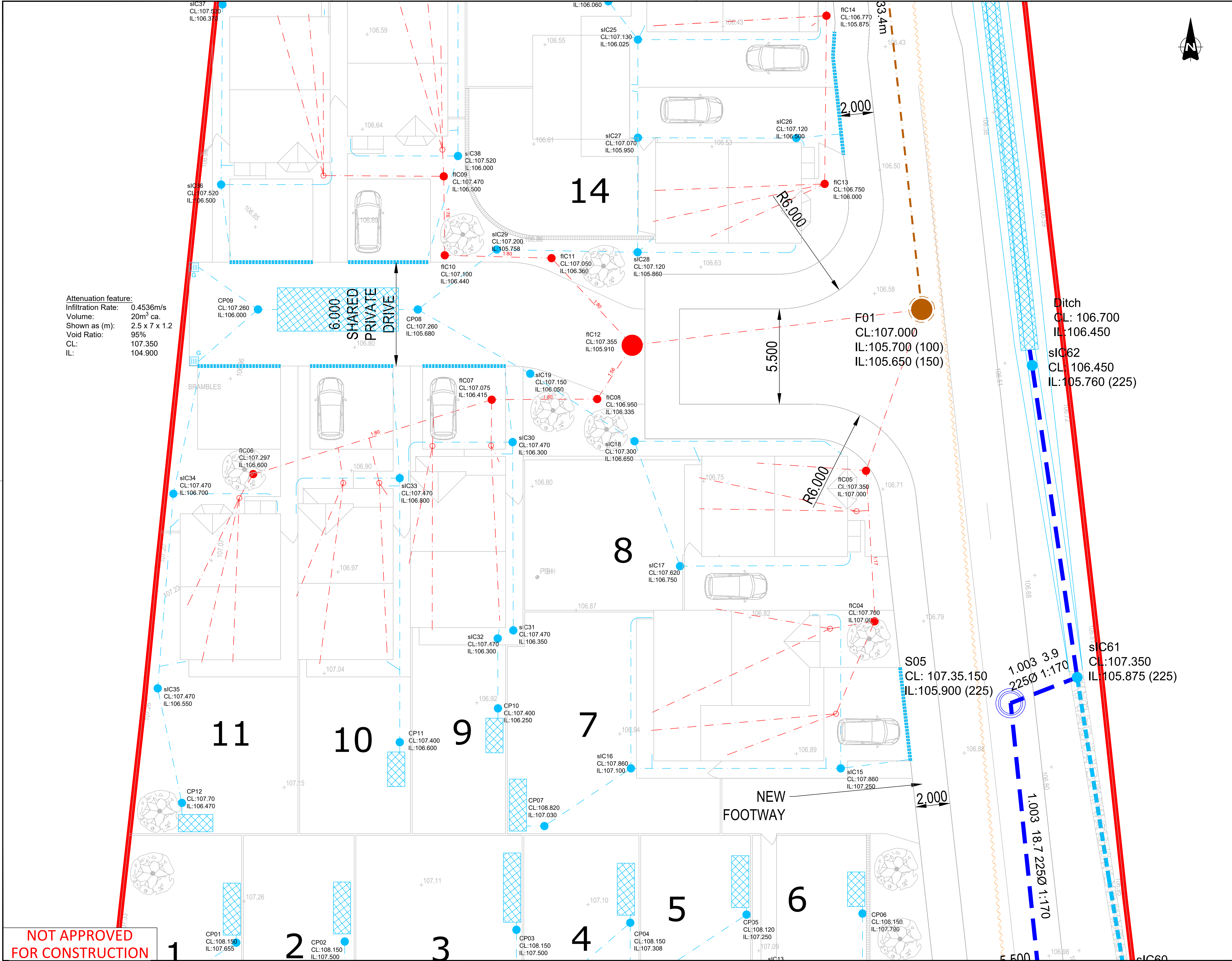
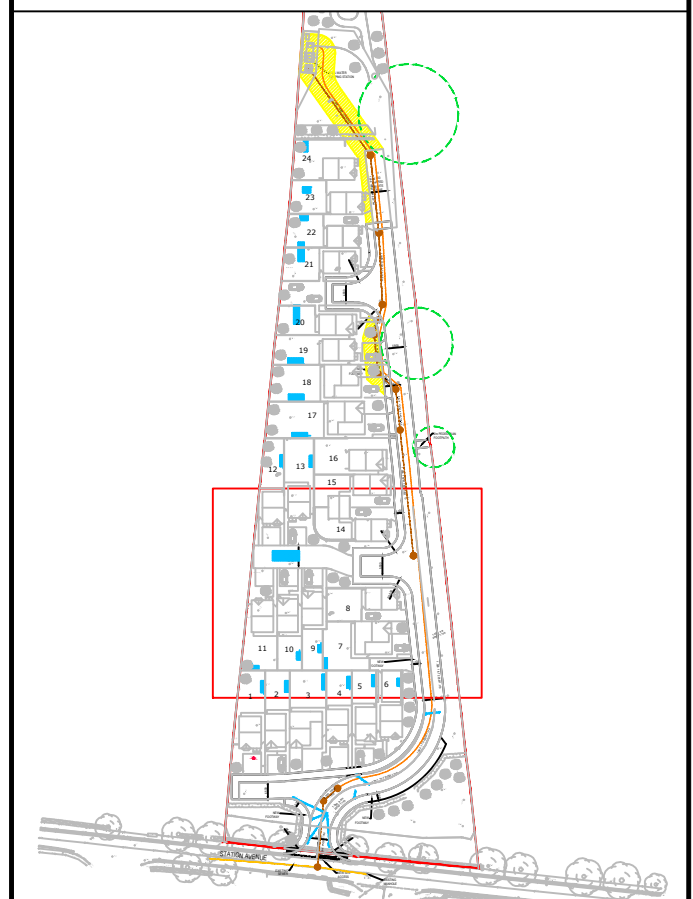




Attenuation feature:
Infiltration Rate: 0.4536m/s
Volume: 20m³ ca.
Shown as (m): 2.5 x 7 x 1.2
Void Ratio: 95%
CL: 107.350
IL: 104.900

- NOTES:
1. Do not scale from this drawing.
 2. All levels in mAOD unless otherwise specified. All dimensions in metres unless otherwise specified.
 3. Scheme layout from DS Jones & Co drawing 10349.03H.DSJ
 4. 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.
 5. Private drainage works shall comply with the *Building Standards part H and the Civil Engineering Specification for the Water Industry 7th Edition (CESWI)*.
 6. The adoptable drainage layout is shown on drawing 108287-500-001 Drainage construction details are shown on drawings 108058-510 to 512.
 7. All mortar, in-situ or precast concrete must use sulphate-resisting Portland cement or alternative. The BRE SD1 rating for this site is DS-1AC-1.
 8. Covers to inspection chambers in driveways or other off-road areas to be rated at B125 and kite-marked.
 9. All Vitrified Clay pipes to be to BS EN 255 and kite-marked. VC pipe strength class to be minimum 34kN/m in accordance with Table 5, BS EN295-1 for pipes up to 150 dia.
 10. All uPVC pipes for private drainage to comply with BS 4660 and be kite-marked. Thermoplastic structured-wall uPVC pipes shall comply with WIS 4-35-01.
 11. All PE or HDPE pipes for drainage to comply with BS EN 13244-1 or WIS 4-32-17 and be kite-marked.
 12. 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
100-225	5 - 14mm
 13. Private drains may be backfilled above the pipe bedding 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. If as-dug material is unsuitable then Type 1 or Type 2 granular fill should be used.
 14. ST4 concrete as per cl. 2601, Series 2600, SHW. GEN3 concrete as per cl. 5.4.1 SIA.



- KEY
- SITE BOUNDARY
 - EXISTING TOPOGRAPHICAL SURVEY
 - PROPOSED KERB ALIGNMENT
 - PLOT NUMBERS
 - ROOT PROTECTION AREA (RPA)
 - STORAGE AND INFILTRATION
 - FILTER DRAIN
 - SEWER EASEMENT 3m EACH SIDE
 - GULLY AND CONNECTION
 - S104 RISING MAIN
 - S104 FOUL WATER SEWER & MANHOLE INSPECTION CHAMBER
 - HIGHWAY SURFACE WATER SEWER & MANHOLE INSPECTION CHAMBER
 - PRIVATE SURFACE WATER SEWER
 - PRIVATE FOUL WATER SEWER
 - PRIVATE SOAKAWAY
 - PROPOSED PRIVATE DRAINAGE LINEAR DRAIN

Rev	Date	Revision details	Drawn	Checked	Approved

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Client: **EDWARDS HOMES**

Project: STATION AVENUE, CHIRK
WREXHAM

Title: S38
PRIVATE DRAINAGE
SHEET 2 OF 4

Drawn: NH	Checked: DEB	Approved: DEB
Original dwg. size: A1	Date: 23.09.2019	Scale: 1:100
Drawing Status: FOR APPROVAL	Drawing Number: 108287-500-003	Rev: