Wet Well
CL:105.500
IL:104.307 (150)
Invert Level of proposed Wet Well
to be confirmed by M&E Engineers

FOUL WATER
PUMPING STATION

1.007 150Ø 1:148 28.2m

CP22
CL:105.800
IL:105.110

sIC54
CL:105.970
IL:105.185

sIC53
CL:105.970
IL:105.400

F08
CL:105.850
IL:104.548 (100)
IL:104.498 (150)

fIC22
CL:105.950
IL:104.950

Ditch
CL: 105.450
IL:105.200

1.006 150Ø 1:148 20.5m

4.800
SHARED
PRIVATE
DRIVE

CP21
CL:106.000
IL:105.360

sIC52
CL:106.120
IL:105.410

sIC51
CL:106.120
IL:105.550

fIC21
IL:105.400

CP20
CL:105.900
IL: 105.310

sIC49
CL:106.270
IL:105.700

sIC50
CL:106.270
IL:105.560

F07
CL:106.100
IL:104.786 (100)
IL:104.736 (150)

fIC20
CL:106.300
IL:105.250

sIC48
CL:106.420
IL:105.787

CP19
CL: 106.630
IL: 105.750

1.005 150Ø 1:76.2 20.6m

R8.000

BRAMBLES

sIC47
CL:106.420
IL:105.870

4.800

F06
CL: 106.350
IL:105.036 (100)
IL:104.986 (150)

Ditch
CL: 105.700
IL:105.450

sIC46
CL:106.530
IL:105.320

CP18
CL:106.150
IL:105.200

fIC19
CL:106.510
IL:105.460

R8.000

1.004 150Ø 1:87 8.3m

F05
CL:106.510

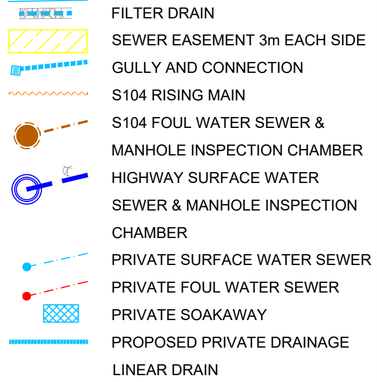
24
23
22
21
20

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-1/AC-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 295 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 HPPE 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 SfA.



KEY

- SITE BOUNDARY
- EXISTING TOPOGRAPHICAL SURVEY
- PROPOSED KERB ALIGNMENT
- 25 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

NOT APPROVED
FOR CONSTRUCTION

Rev.	Date	Revision details	Drawn	Checked	Approved
A	21.10.19	Plot 24 drainage update	GK	DEB	DEB

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Client: EDWARDS HOMES

Project: STATION AVENUE, CHIRK
WREXHAM

Title: S38
PRIVATE DRAINAGE
SHEET 4 OF 4

Drawn	Checked	Approved
NH	DEB	DEB
Original drg. size: A1	Date: 23.09.2019	Scale: 1:100
Drawing Status: FOR APPROVAL	Drawing Number: 108287-500-005	Rev.: A