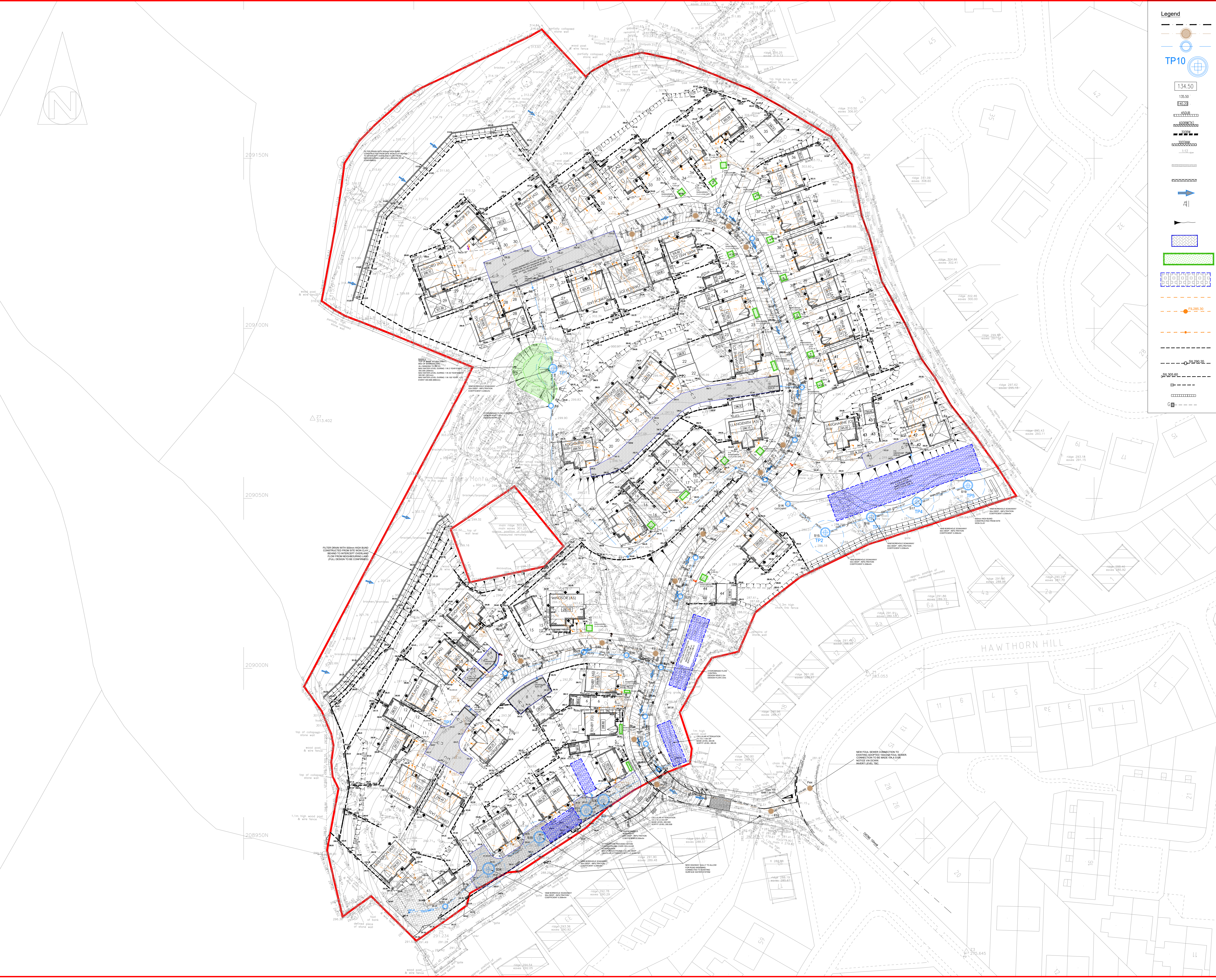




Legend

Existing Welsh Water Foul Sewer

Proposed Welsh Water Foul Sewer (Section 104)

Proposed SAB Surface Sewer

TP10

FFL Level

Proposed spot level

Existing level retained

Underbuild

Tanked retaining wall

Retaining Wall

Tanking

Proposed fall and ient

Drainage grip (300mm wide 700mm deep filled with 550mm wrapped pea shingle and topped with 150mm top soil)

Filter Drain (500mm wide 1000mm deep filled with clean stone and topped with 150mm top soil)

Overland flow/flood exceedance route

Steps (maximum rise 150mm minimum going 300mm, maximum of 12 steps per flight)

Banking (maximum ient 1:2 unless confirmed by engineer)

Tanked permeable paving with attenuation used as sub-base

Bioretention area

Private storm cell attenuation sized to accommodate flows up to and including the 1 in 30 year storm event

Private foul drain (1000 unless shown otherwise)

Private foul inspection chamber <3.0m deep with restricted access depths over 1.2m (4500 and 700mm deep unless noted)

Private foul access chamber depth to invert 700mm (2250)

Private surface water drain (1000 unless shown otherwise)

Private surface water inspection chamber <3.0m deep with restricted access depths over 1.2m.

Rodding eye (450mm deep unless noted otherwise)

Drive Gully

Channel / Aco drain or similar approved

Road gully & connection (Merthyr Tydfil Highway Section 38)

GENERAL NOTES

1. Do Not Scale

2. The contractor is to check and verify all buildings and site dimensions and levels, including sewer invert levels, before works start on site. The contractor is to comply in all aspects with the current building legislation, British Standards, building regulations etc.

3. Positions of existing services/statutory undertakers apparatus adjacent to or crossing proposed excavations are to be checked by the contractor prior to starting work

4. This drawing is to be read in conjunction with and checked against all other drawings, Engineering Details, Specification and any structural, geotechnical or other specialist document provided.

5. Any anomaly or contradiction between any of the above is to be reported to WDL Homes.

6. This drawing is schematic for clarity only, positions of pipe runs and manholes may vary on site due to site conditions.

ROAD AND DRAINAGE NOTES

1. All works for adoption under a Section 38 agreement shall be carried out to the approval of the Merthyr Tydfil County Borough Council.

2. All works for adoption under a Section 104 agreement shall be carried out to the National Water Council guide 'Sewers for Adoption' 7th edition and Dwr Cymru Welsh Water's requirements.

3. Streetlighting positions to be pegged on site and agreed by the Local Authority PRIOR to erection commencing.

4. All works for adoption of surface water drainage features are to be carried out in agreement with the SuDS Approving Body (SAB) Officer.

5. The surface water drainage design must be approved by the SAB prior to commencing onsite.

6. During preliminary design the worst case infiltration rate provided by Integral Geotechnique in letter 12411/IFD (30 April 2019) has been used at all proposed borehole soakaways.

7. Each of the proposed borehole soakaways have been designed to 30m deep.

C	12/05/20	Surface water drainage amended	TOR	SJD
B	30/04/20	Access drive adjacent to plot 45 removed	SJD	TL
A	17/01/20	Pre-SAB application submission	PBO	SJD
	03/01/20	First issue	PBO	SJD
REV	DATE	DETAILS	BY	CHK

CLIENT:

WDL Homes
Making a house into your new home

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PROJECT:

WDL Homes
Trefechan

DRAWING TITLE:

Engineering Layout

DRAWN:	CHK:	STATUS:	SCALE:
TL	SJD	Preliminary	1:500@A1
DATE:	JOB NO.	DWG. NO.	REV.
Sept'19	1914	001-1	C