

Legend

- Existing Welsh Water Foul Sewer
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)
Proposed Adoptable Foul Sewer (Section 104)
Proposed Adoptable Foul IC and drain (Section 104)
Proposed Adoptable Surface Sewer
Proposed Adoptable Surface Sewer IC and drain
Private foul drain (100Ø unless shown otherwise)
Private foul inspection chamber <3.0m deep with restricted access depths over 1.2m (450Ø and 700mm deep unless noted)
Private foul access chamber depth to invert 700mm (225Ø)
Private surface water drain (100Ø 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 (Highway Section 38)

LEGEND - SABS FEATURES

- Dished Channel Block
Proposed Adoptable 600mm Linear Bioretention Area
Proposed Adoptable 1000mm Linear Bioretention Area
Proposed Adoptable 1200mm Liner Bioretention Area
Highway fall direction
Standard Gully - cover 100mm above base
Private Raingarden / Bio-Retention Area
Proposed SAB Adoptable Permeable Paving (attenuation within sub-base)
Proposed SAB Adoptable Cellular Attenuation (sized to accommodate flows up to and including the 1 in 100 year + 40% storm event)
Proposed SAB Adoptable Attenuation Basin (sized to accommodate flows up to and including the 1 in 100 year + 40% storm event)
Proposed Private Permeable Paving (attenuation within sub-base)
Proposed Adoptable Bioretention Area/Raingarden

National Park

209150N

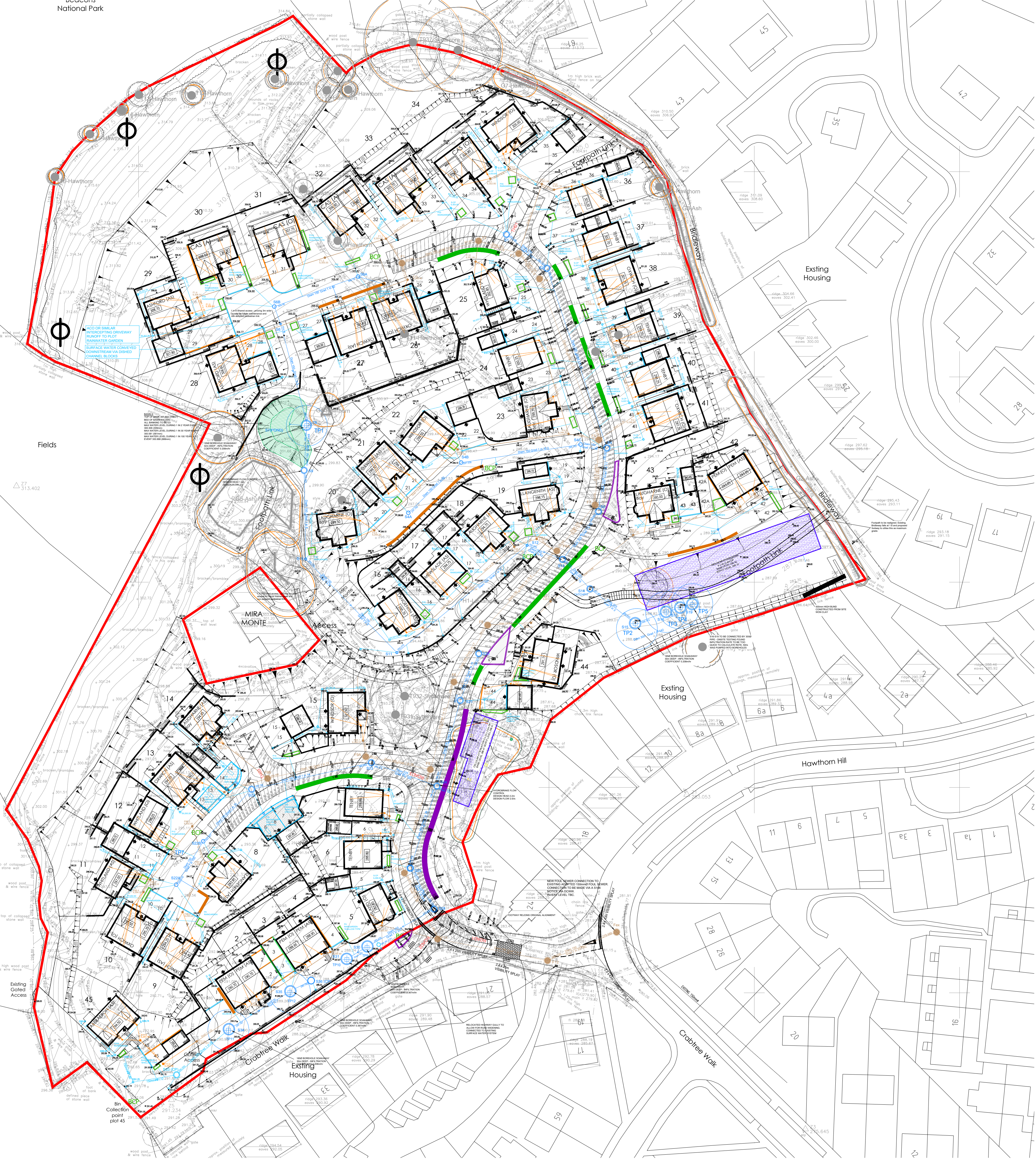
209100N

Fields

Fields

209000N

208950N



GENERAL NOTES

- Do Not Scale
 - 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.
 - Positions of existing services/statutory undertakers apparatus adjacent to or crossing proposed excavations are to be checked by the contractor prior to starting work
 - 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.
 - Any anomaly or contradiction between any of the above is to be reported to WDL Homes.
 - 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
- All works for adoption under a Section 38 agreement shall be carried out to the approval of the Merthyr Tydfil County Borough Council.
 - 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.
 - Streetlighting positions to be pegged on site and agreed by the Local Authority PRIOR to erection commencing.
 - All works for adoption of surface water drainage features are to be carried out in agreement with the SuDS Approving Body (SAB) Officer.
 - The surface water drainage design must be approved by the SAB prior to commencing on-site.
 - During preliminary design the worst case infiltration rate provided by Integral Geotechnique in letter 12411/PD (30 April 2019) has been used at all proposed borehole soakaways.
 - Each of the proposed borehole soakaways have been designed to 30m deep.

V	07.07.23	Plot 42 amendments	MP	TOR
U	02.02.23	Link footpath adjacent to plot 20 amended	BRM	TOR
T	14.12.22	Updated to layout X19 - plot SuDS updated	MP	SJD
S	09.11.22	S22A/B and Footpath ADJ Plot 15 amended	MP	SJD
R	20.10.22	Comments and updated layout applied	MP	SJD
Q	29.07.22	MHs 8, 15, 16 and 17 co-ordinates updated	KF	TOR
P	14.07.22	Plot 44 UB and RW position amended	MP	SJD
O	13.07.22	Plot 44 Updated to latest layout	MP	SJD
N	25.05.22	Plots 9, 10 and 11 updated	MP	SJD
M	23.05.22	Plots 9 and 10 external works updated	MP	SJD
L	18/05/22	Garages updated, Plots 11 and 12 amended to suit	MP	SJD
K	08/03/22	Cellular storage reconfigured with SDS advice to avoid street lighting locations	MP	SJD
J	28.01.22	Plots 2-3 drainage updated	MP	SJD
I	22.09.21	Plots 1-4 amended at client request	MP	SJD
H	06/05/21	Porous removed adjacent plot 42 / retaining wall added adjacent pond - Cellular arrangement updated following additional D6 soakage testing	MP	SJD
G	13/04/21	Surface Water Updated following site review	MP	SJD
F	05/02/21	Plot 15 amended, Plot 45 SuDS feature relocated	MP	SJD
E	09/12/20	Layout updated to SAB requirements - Highway put into crossfall, bioretention linear features added and drainage updated to suit	MP	SJD
D	27/07/20	New layout added, plots 25 & 42 amended.	KF	TL
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.	PSB	SJD
REV	DATE	DETAILS	BY	CHK
18/09/19		First issue.	NBC	SJD

CLIENT:

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PROJECT:

WDL Homes
Trefechan

DRAWING TITLE:

Engineering Layout

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