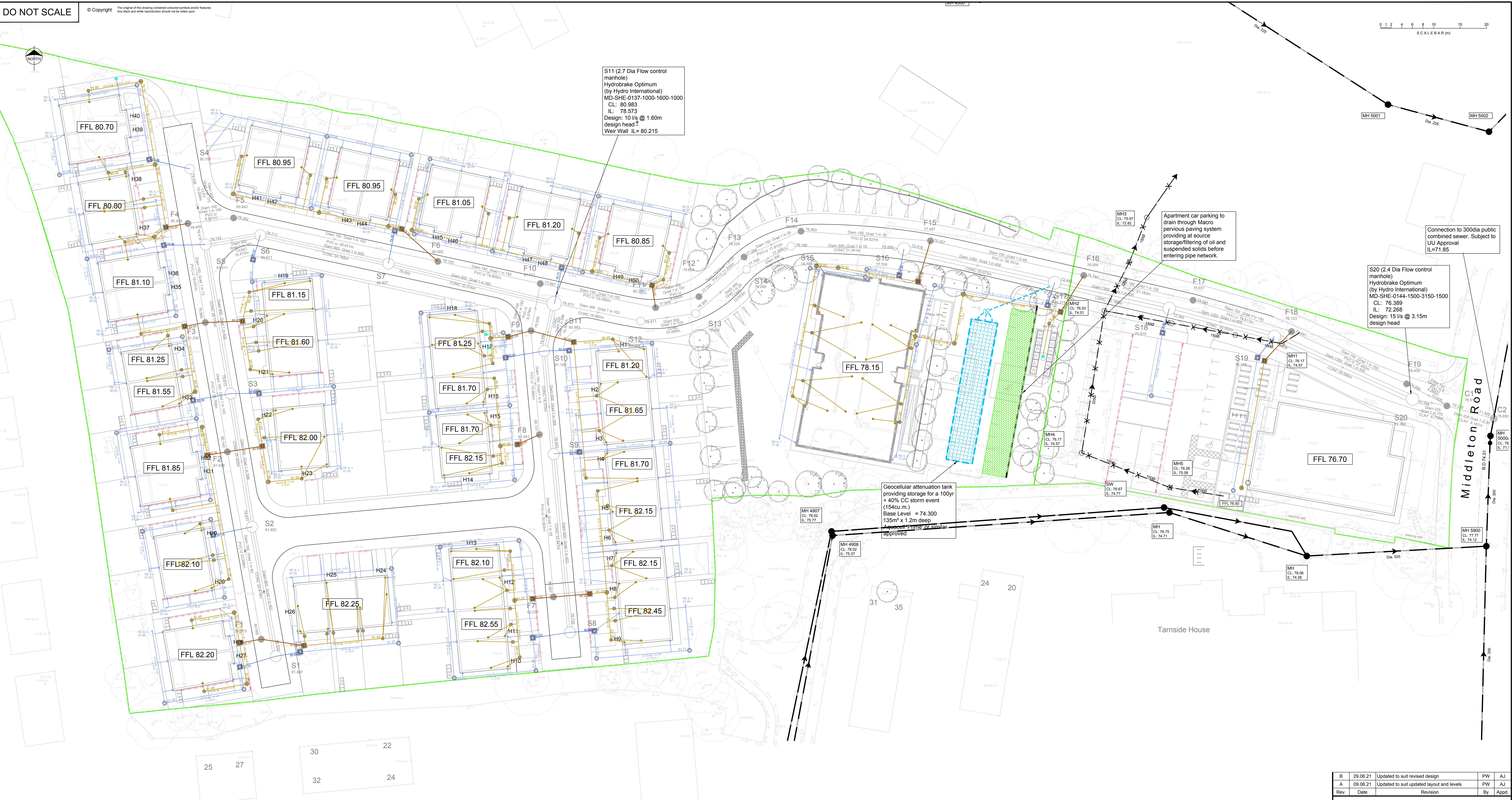


DO NOT SCALE

© Copyright The original of this drawing contained coloured symbols and/or features. Any black and white reproduction should not be relied upon.

0 1 2 4 6 8 10 15 20
SCALE BAR (m)



S11 (2.7 Dia Flow control manhole)
Hydrobrake Optimum
(by Hydro International)
MD-SHE-0137-1000-1600-1000
CL: 80.993
IL: 78.573
Design: 10 l/s @ 1.60m design head
Weir Wall IL= 80.215

Apartment car parking to drain through Macro pervious paving system providing at source storage/filtering of oil and suspended solids before entering pipe network.

Connection to 300dia public combined sewer. Subject to UU Approval IL=71.85

S20 (2.4 Dia Flow control manhole)
Hydrobrake Optimum
(by Hydro International)
MD-SHE-0144-1500-3150-1500
CL: 76.389
IL: 72.268
Design: 15 l/s @ 3.15m design head

Geocellular attenuation tank providing storage for a 100yr + 40% CC storm event (154cu.m.)
Base Level = 74.300
135m² x 1.2m deep
Access points of similar approved

Legend

- 2250 IC 4500 IC 4500 Lateral MH Private Surface Water Drain
- Private Foul Drain
- SVP
- BIG
- RWP
- Rodding Eye
- Linear Drainage Channel
- Private Road Gully
- Pilot Slab Level
- 100yr Attenuation
- Macro Pervious Paving
- ACO Kerb Detail

Notes

- All SVP and RWP connections are indicative and shall be confirmed by architect.
- Pipe gradients out of the building to connecting manhole to be laid at 1:40 in accordance with Building Regulations, Part H, Table 6.
- Where pipe sizes are not indicated 1000 to be used for surface and foul unless stated otherwise.
- Minimum surface water gradients shall be:
1000 laid at 1:100
1500 laid at 1:150
- Minimum 1000 foul drainage gradient to be 1:80 with the exception of the first connection which shall be maximum 1:40.
- Manhole covers to be marked FWS or SW as appropriate.
- All manhole covers and frames shall comply with BS EN124. Covers in roads to be grade D400 and be 150mm deep. Manhole covers in car parking areas and drives to be grade B125 and covers in landscaping areas to be grade A15. All to be sized in accordance with Building Regulations Part H, Tables 11 & 12.
- Precast concrete rings to be reinforced.
- Backdrops in private manholes / inspection chambers to be internal.
- Private drains laid under adopted / private roads to be Class S granular bed and surround with a minimum of 1.2m cover where this cannot be achieved a Class Z concrete bed and surround shall be provided.
- Private drains located under landscape areas or driveways / car parking bays to be Class F granular bed and surround with a minimum 0.6m cover, where this cannot be achieved a Class Z concrete bed and surround shall be provided.
- All Lateral Manholes to be 1050D Precast concrete rings

B	29.06.21	Updated to suit revised design	PW	AJ
A	09.06.21	Updated to suit updated layout and levels	PW	AJ
Rev.	Date	Revision	By	Appd.

APPROVAL

coopers
Chartered Consulting Engineers
Tel: 01244 684910
Fax: 01244 684911
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Client
BRANLEY HOMES LTD

Project
White House Club, Middleton Road, Manchester

Title
Private Drainage Layout

DRAWING NUMBER	7424 / 07	SCALE at A0	1:250	DATE	JAN 20	REVISION	
		DRAWN	LW	CHECKED	AJ		B