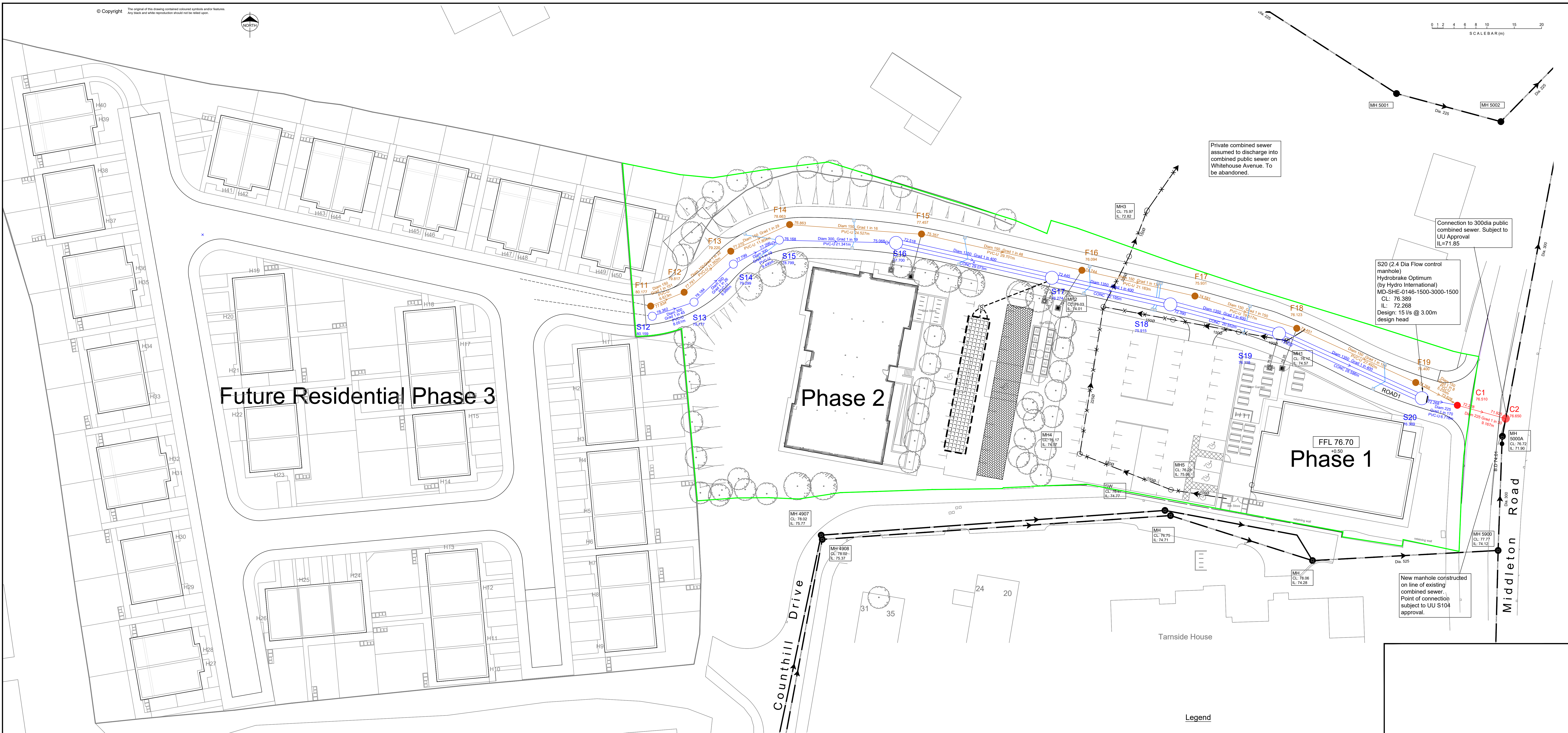




Private combined sewer assumed to discharge into combined public sewer on Whitehouse Avenue. To be abandoned.

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-0146-1500-3000-1500
CL: 76.389
IL: 72.268
Design: 15 l/s @ 3.00m design head

New manhole constructed on line of existing combined sewer.
Point of connection subject to UU S104 approval.

Legend

- Site Boundary
- Existing
- Existing Foul Sewer
- Existing Surface Water Sewer
- Existing Private Combined Sewer (to be abandoned)
- Proposed
- F01 Adoptable Foul Sewer
- C01 Adoptable Combined Sewer
- S01 Adoptable Surface Water Sewer
- Flow Control Manhole
- FFL 0.00 Proposed Slab Levels
- Highway Gully
- 100yr Attenuation (Phase 2)
- Macro Pervious Paving (Phase 2)
- F01 Adoptable Foul Sewer (Phase 2)
- S01 Adoptable Surface Water Sewer (Phase 2)

Notes

- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
- All sewers shall be constructed in accordance with Sewers for Adoption 6th Edition and United Utilities Details & Guidelines.
- The minimum gravity pipe diameter under adoptable highways shall be 150mm
- It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc, prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times
- The outcides of all sewers shall be a minimum of 1.0m from kerb lines and the outside of manholes shall be a minimum of 0.5m from kerb lines
- Existing flows in watercourses, sewers and land drains shall be maintained at all times
- Only trained personnel shall be permitted to enter confined spaces
- All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement to withstand Class 3 condition (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur).
- All opening notices etc, as required under Highways Acts etc, are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
- Where "Ultra Rib" UPVC pipes (or similar approved) are used in adoptable drainage they shall be handled and laid in accordance with the manufacturers instructions and will be subject to post installation deformation testing prior to adoption. A Class S Bed and Surround must be used for "Ultra Rib" pipes
- Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption.
- Slab levels shall not be varied without reference to the Engineer for guidance.
- Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.
- Environment Agency consent will be obtained before any work is undertaken in, over or near any existing watercourses and land drains.

APPROVAL

D	15.07.24	Site boundary / legend updated to suit UU comments	AJ	AJ
C	01.07.24	Flow control notes added	AJ	AJ
B	28.05.24	Updated to show revised drainage	PJN	AJ
A	01.11.23	Updates to suit revised turning head levels	PW	AJ
Rev.	Date	Revision	By	Appd.

coopers
chartered consulting engineers
Tel: 01244 684910
Fax: 01244 684911
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU

Client	BRANLEY HOMES LTD		
Project	White House Club, Middleton Road, Manchester		
Title	Proposed Drainage Layout Phase 2		
DRAWING NUMBER	7424 / P2 / 01		
SCALE at A0	1:250	DATE	DEC 22
DRAWN	PW	CHECKED	AJ
REVISION	D		