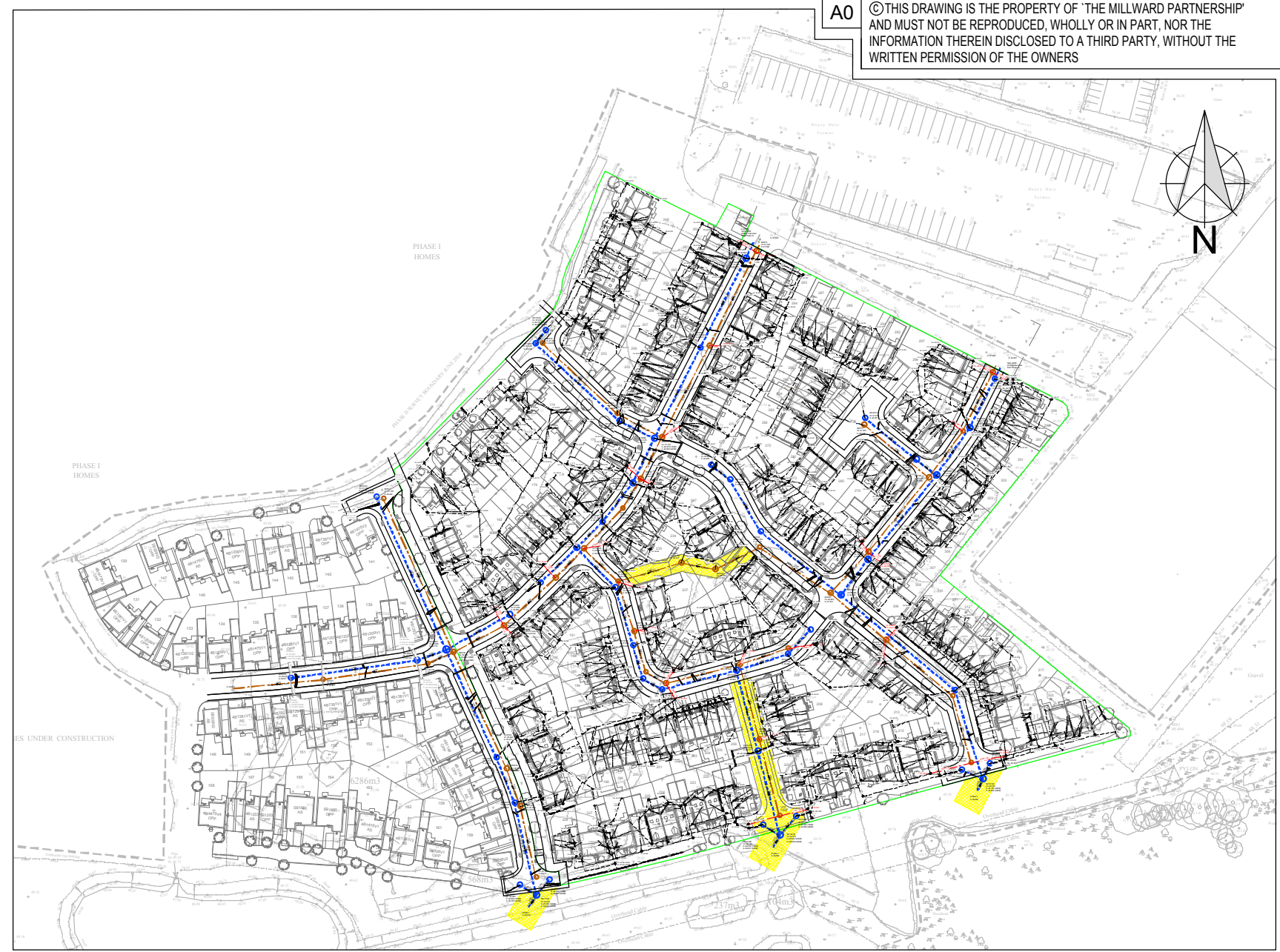
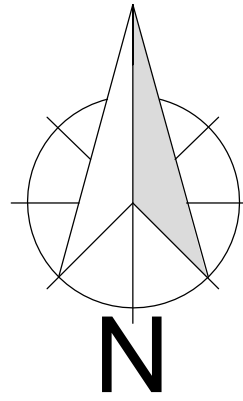
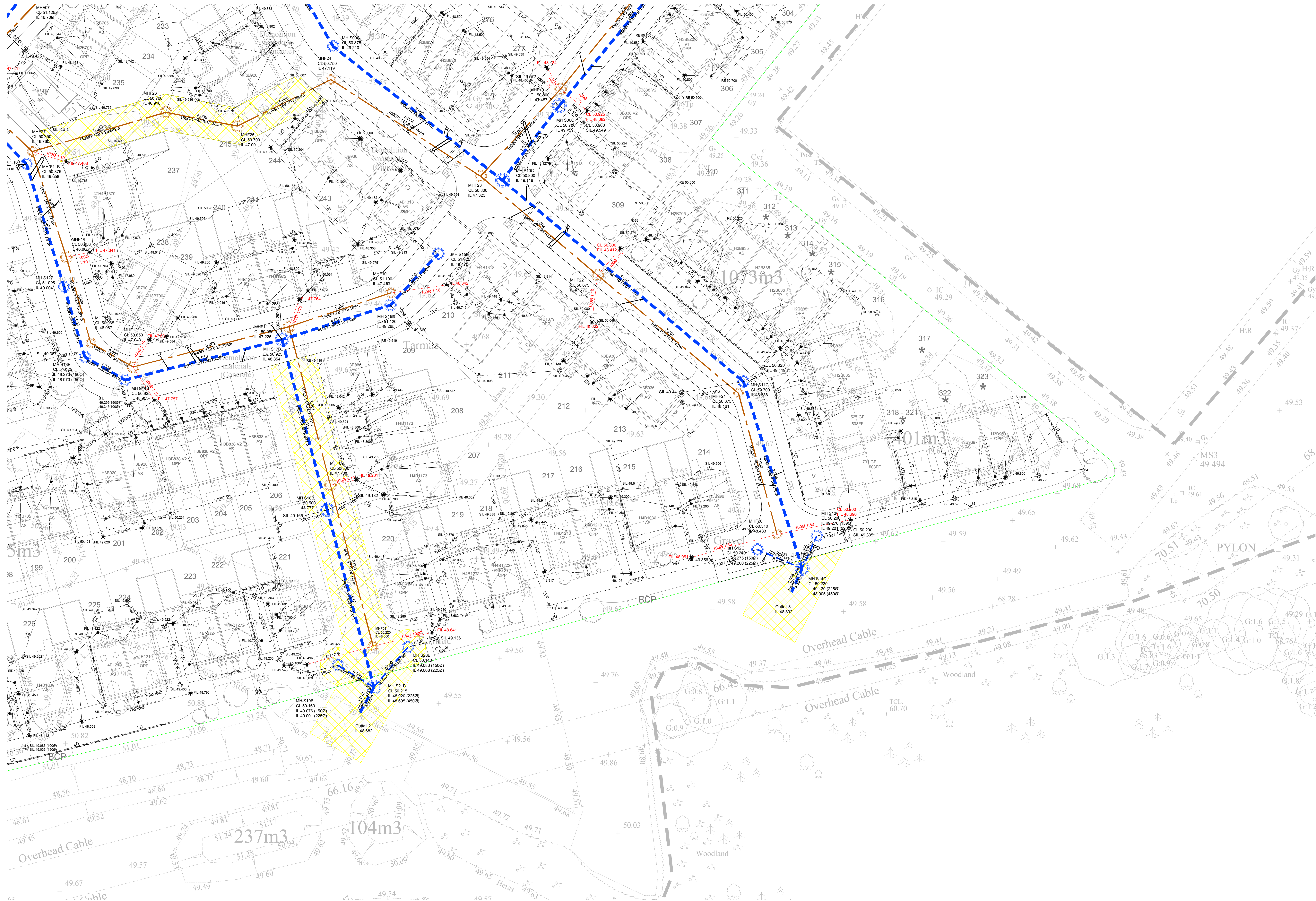




Overall Site Layout Plan
Scale - 1 : 2,000

- DRAINAGE KEY**
- Surface Water Manhole (STW Adoptable)
 - Surface Water Inspection Chamber (450mmØ) (private)
 - Surface Water Sewer (STW Adoptable)
 - Surface Water Sewer (Private)
 - Rodding Eye
 - Silt Trap - Trap Type ST*
 - Drainage Easement
 - Foul Water Manhole (STW adopted)
 - Foul Water Inspection Chamber (450mmØ) (private)
 - Foul Water Inspection Chamber (180mmØ) (private)
 - Foul Water Sewer (STW Adopted)
 - Foul Water Sewer (Private)

The contractor must check surface water and foul outfall positions (connection point invert / cover levels / plan coordinates) on site before any construction commences. The results of the survey must be submitted to The Millward Partnership Ltd for verification and the Contractor must not commence any construction works until the Contractor is in receipt of confirmation from The Millward Partnership Ltd that the outfall survey data submitted is valid.

FOR USE IN BUILDING
ROAD 1 & 4 ONLY, INCLUDING
DRAINAGE TO OUTFALLS.

GENERAL NOTES

This drawing is to be read in conjunction with all relevant engineers and specialist drawings and specifications.

All setting out is to be checked on site prior to any works commencing. Any discrepancies are to be reported to millward immediately.

All dimensions are shown in millimetres unless otherwise noted. All levels are shown in metres unless otherwise noted.

No Private surface water shall discharge onto the adoptable highway.

Infill covers and frames in block paved areas are not to be used (see 2.8.8 SMD p 25).

Sewers are designed in accordance to Sewers for Adoption 6th Edition.

Catchpits shall not be adopted.

Easements at any change in width should be 2.5m to each side of the centre pipe line for pipe size up to 300mm diameter, and 5m each side of the centre pipeline for pipes 300mm diameter greater.

Where pipe crossing, plastic membrane to be used for protection to eliminate any chances of cross contamination.

No backdrops to be used, steeper gradients are preferred to the use of backdrops.

Precast concrete manhole rings will not be cut under any circumstances. Other options are preferred, manhole built up with concrete or brick work to the top of pipe.

Protective concrete cover slabs to be used on pipes in non traffic area which doesn't achieve 0.9m cover level and 1.2m cover level in traffic area.

Cover and frames should be kitemarked. (Page15, 1.16)

Pipes of different diameters entering manholes should be installed with soffits at the same level.

Type E manhole the opening cover and frame should be located centrally over the pipe - please refer to S848th Edition Figure 2.8 Type E details page 39.

The outside of the sewer should be in vehicle carriageway (not footpath) and be at least 1m from the kerb line. The outside manholes should be at least 0.5m from the kerb line.

Trees on the drawing are existing or proposed and adhere to B.2.3 (page 33) of SF4. The trees specified will be as per Sewers for Adoption and positioned. Where clearances with vegetation is not achievable, appropriate root protection will be provided.

All proposed manhole covers & frames at a minimum of 675 x 675mm to maintain clear opening and to comply with Severn Trent Water Ltd current & Safety standards.

The materials to be used are suitable for the ground conditions.

In situations where traffic loading is anticipated to be heavier than would occur on typical residential estate distributor road (i.e. braking or turning near a junction) a higher specification cover (E900) should be used.

L	03.09.19	CMN	Drainage calculations updated	JMcK
K	20.12.18	SKG	Lengths to be built highlighted	SKG
I	11.12.18	SKG	Unchanged plot drainage added. Gradients added to stubs.	SKG
J	10.12.18	SKG	Mains changed due to site REPLAN	SKG
H	22.10.18	SKG	Outfall Headwalls coloured blue	SKG
G	11.09.18	BC	Highway / footway contours amended to suit revised kerling layout & footway widths. Adopted SW & FW manhole CLs amended throughout. SW outfalls 1, 2 & 3 amended. SW Mts: MHS10A, 10A, 14B, 15B, 13C, 14C moved to suit. Pipe lengths & gradients amended to suit near to SW outfalls.	SKG
F	22.08.18	BC	Plots 197 & 198 FW redirected to MHF14. FW pipes FS 000 & FS 001 gradients amended to 1:80. MHF 28 & MHF29 ILs amended to suit. DCF40 & DCF51 amended to suit.	SKG
E	30.07.18	CB	Drawing amended to suit latest comments by Severn Trent 20-07-18	SKG
D	22.06.18	BC	Drainage key added. FW Private drainage colour amended.	SKG
C	15.06.18	BC	Drawing amended to Architects layout 41049/003 Revision S. Private drainage amended to plots (+ garages) 147-148, 155, 160, 181, 182-185, 201-202, 237, 258-279, 294-300 where changed location and type. Surface and Foul water demarcation chambers revised throughout. Client Logo & drawing No. amended as requested by the Client.	SKG
B	26.04.18	BC	Private drainage added. Drainage amended throughout.	SKG
A	02.03.18	ATF	Amended to suit revised layout	SKG
REV	DATE	BY	DETAILS	CHKD
AMENDMENTS				
CLIENT				

PROJECT

Hilton Phase 2
Derbyshire
REPLAN

TITLE

Proposed Drainage Layout Plan
Sheet 3 of 3

DRAWING NO:	R0054-MPL-18-ZZ-DR-C-2003	DRAWING STATUS:	PRELIMINARY
SCALE:	As Shown @ A2	DRAWN:	JMcK
DATE:	April 2018	CHECKED:	ATF
		APPROVED BY:	

millward
t: 0115 941 4000
no 1 main hill, nottingham ng1 1qg
e: info@millward.co.uk w: www.millward.co.uk

Proposed Drainage Layout - Sheet 3
Scale - 1 : 250