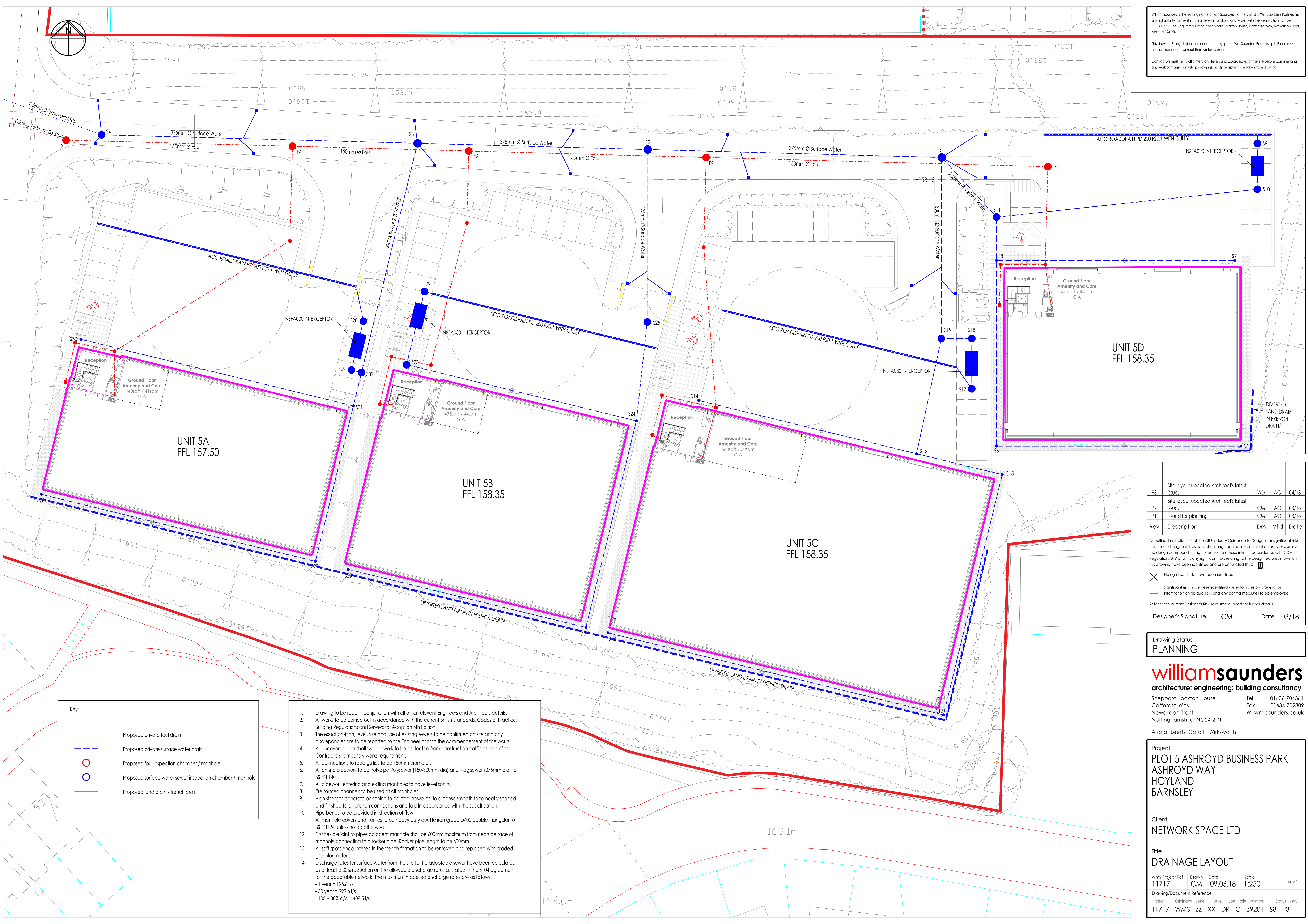


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Contractors must verify all dimensions, levels and co-ordinates of the site before commencing any work or making any shop drawings: no dimensions to be taken from drawing.



Key:

- Proposed private foul drain
- Proposed private surface water drain
- Proposed foul inspection chamber / manhole
- Proposed surface water sewer inspection chamber / manhole
- Proposed land drain / french drain

- Drawing to be read in conjunction with all other relevant Engineers and Architects details.
- All works to be carried out in accordance with the current British Standards, Codes of Practice, Building Regulations and Sewers for Adoption 6th Edition.
- The exact position, level, size and use of existing sewers to be confirmed on site and any discrepancies are to be reported to the Engineer prior to the commencement of the works.
- All uncovered and shallow pipework to be protected from construction traffic as part of the Contractors temporary works requirement.
- All connections to road gullies to be 150mm diameter.
- All on site pipework to be Polypipe Polysewer (150-300mm dia) and Ridgisewer (375mm dia) to BS EN 1401.
- All pipework entering and exiting manholes to have level soffits.
- Pre-formed channels to be used at all manholes.
- High strength concrete benching to be steel trowelled to a dense smooth face neatly shaped and finished to all branch connections and laid in accordance with the specification.
- Pipe bends to be provided in direction of flow.
- All manhole covers and frames to be heavy duty ductile iron grade D400 double triangular to BS EN124 unless noted otherwise.
- First flexible joint to pipes adjacent manhole shall be 600mm maximum from nearside face of manhole connecting to a rocker pipe. Rocker pipe length to be 600mm.
- All soft spots encountered in the trench formation to be removed and replaced with graded granular material.
- Discharge rates for surface water from the site to the adoptable sewer have been calculated as at least a 30% reduction on the allowable discharge rates as stated in the S104 agreement for the adoptable network. The maximum modelled discharge rates are as follows:
 - 1 year = 125.6 l/s
 - 30 year = 299.6 l/s
 - 100 + 30% c/c = 408.5 l/s

P3	Site layout updated Architect's latest issue.	WD	AG	04/18
P2	Site layout updated Architect's latest issue.	CM	AG	03/18
P1	Issued for planning	CM	AG	03/18
Rev	Description	Drm	VF'd	Date
As outlined in section 2.3 of the CIB Industry Guidance to Designers, insignificant risks can usually be ignored, as can risks arising from routine construction activities, unless the design compounds or significantly alters these risks. In accordance with CDM Regulations 8.9 and 11, any significant risks relating to the design features shown on this drawing have been identified and are annotated thus:				
☒ No significant risks have been identified.				
☐ Significant risks have been identified - refer to notes on drawing for information on residual risks and any control measures to be employed.				
Refer to the current Designer's Risk Assessment sheets for further details.				
Designer's Signature		CM	Date	
			03/18	

Drawing Status
PLANNING

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Project
PLOT 5 ASHROYD BUSINESS PARK
ASHROYD WAY
HOYLAND
BARNLEY

Client
NETWORK SPACE LTD

Title
DRAINAGE LAYOUT

WmS Project Ref.	Drawn	Date	Scale	@ A1
11717	CM	09.03.18	1:250	
Drawing/Document Reference				
Project	Originator	Zone	Level	Type
11717 - WMS - ZZ - XX - DR - C - 39201 - S8 - P3				