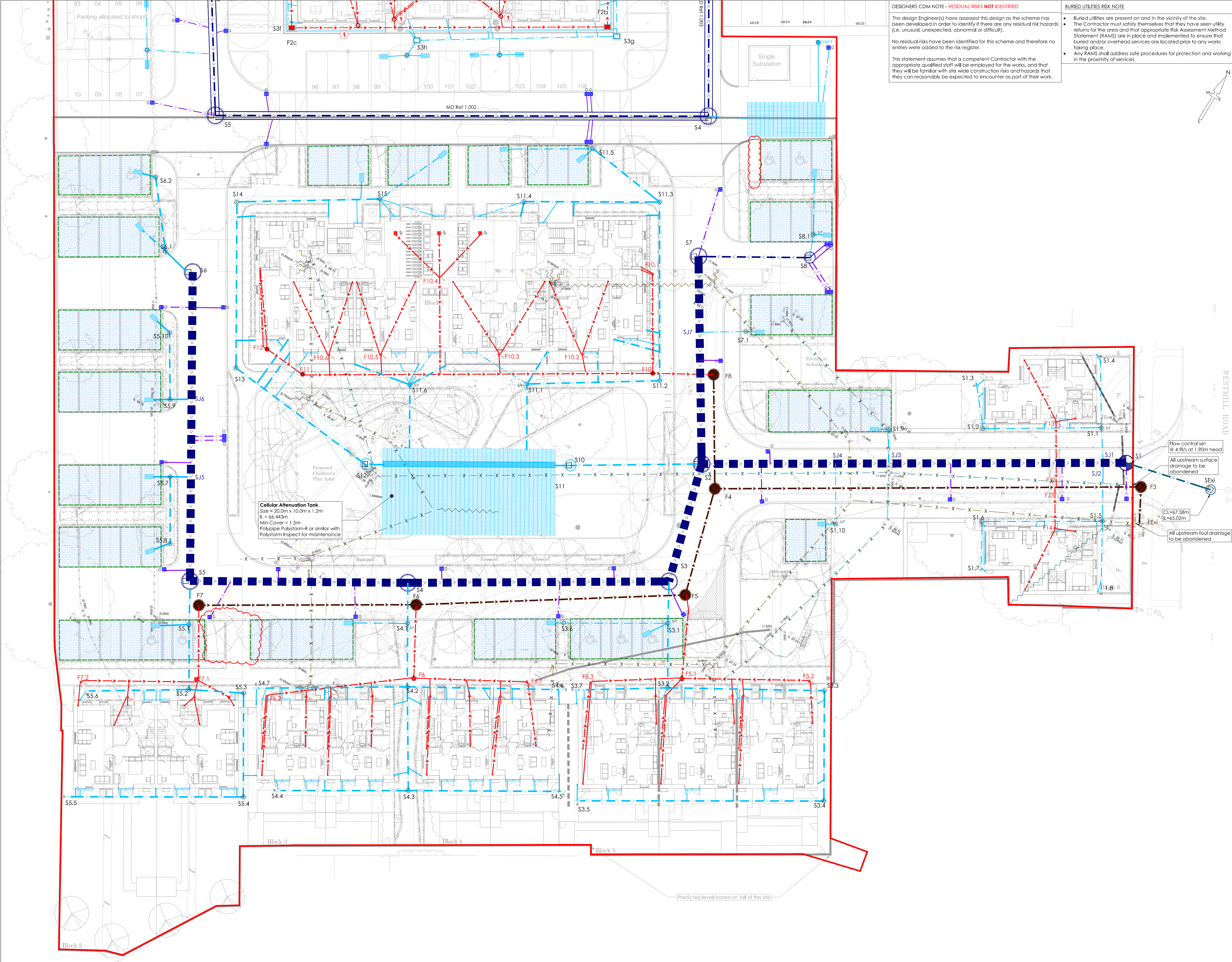




DESIGNERS CDM NOTE - RESIDUAL RISKS NOT IDENTIFIED

The design Engineer(s) have assessed this design as the scheme has been developed in order to identify if there are any residual risk hazards (i.e. unusual, unexpected, abnormal or difficult).

No residual risks have been identified for this scheme and therefore no entries were added to the risk register.

This statement assumes that a competent Contractor with the appropriate qualified staff will be employed for the works, and that they will be familiar with site wide construction risks and hazards that they can reasonably be expected to encounter as part of their work.

BURIED UTILITIES RISK NOTE

- Buried utilities are present on and in the vicinity of the site.
- The Contractor must satisfy themselves that they have seen utility returns for the area and that appropriate Risk Assessment Method Statement (RAMS) are in place and implemented to ensure that buried and/or overhead services are located prior to any works taking place.
- Any RAMS shall address safe procedures for protection and working in the proximity of services.

- NOTES**
- All dimensions and levels are in metres unless otherwise noted
 - This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
 - This drawings has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
 - This drawing contains coloured lines / information that may not be clear if reproduced in black and white.
 - Digital copies of this plan can only be considered accurate if supplied directly by Infrastruct CS Ltd.

Construction Note

It is essential that new drainage associated with the development is laid from the outfall(s) into the site. This is essential to avoid unforeseen obstructions where encountered (such as services). If the drainage is laid from the site out to the outfall it can result in significant abortive works to relay and overcome such obstructions.

Location of Public Sewers have been taken from record drawings which should be fully substantiated by the contractor prior to commencing works on site

All manholes covers located within cartageways shall have no slip covers to prevent motorcycles/cycles losing control

Manhole schedules - Invert level shown related to the deepest pipe within the chamber

Drainage Key

Sewers		
Foul water drain (private/non adoptable)	Red dashed line with arrow	
Surface water drain (private/non adoptable)	Blue dashed line with arrow	
Foul water sewer (Adoptable)	Red solid line with arrow	
Surface water sewer (Adoptable)	Blue solid line with arrow	
Highway drain (Adoptable)	Purple dashed line with arrow	
Existing foul water sewer (Adopted)	Yellow dashed line with arrow	
Existing surface water sewer (Adopted)	Green dashed line with arrow	
Redundant sewer	X	

Chamber Key

FW/SW		
Mini access chamber (mac) - 300mmØ	Blue circle with cross	
PPIC - 475mmØ*	Red circle with cross	
Manhole	Black circle with cross	
Depth: 1.25m to 1.5m*		
Depth: 1.55m to 3.0m*		

- * General note
(Refer to standard details & longitudinal sections for chamber sizes. Size may need to increase dependant on number of incoming pipes/size of incoming pipes)
- Surface water rodding eye
 - Rain water down pipe (roddable access)
 - Soil vent pipe/soil stack
 - Silt trap (ST) with removable silt bucket
 - Manhole reference number
 - Yard gully (150mm - 200mmØ trapped)
 - Road gully (trapped) D400 Pedestrian/Cyclist Friendly Grating
 - Floor gully (trapped)
 - Surface water sump unit
 - Linear drainage channel
 - Cellular storage (refer to drawing for sizes)
 - RWP cellular discharge/collection unit (DU) (Permavoid or similar)
 - Tree root protection zone (RPZ)
 - Impermeable barrier to stop lateral movement of water
 - Baffle to prevent rapid through flow of water through permeable paving
 - Finished Floor Level (FFL)
 - Block paving - Permeable and lined with impermeable membrane
 - Flood exceedance routing

Note:

Manholes located within Junctions and on Road Bends to have Non-Slip Covers.

P05	NJ	MBD	Parking bays updated	09/07/25
P04	NJ	MBD	Drainage to blocks 2, 6 & 7 updated in line with revised internal configurations	04/07/25
P03	NJ	MBD	Site layout updated. Drainage amended in accordance	13/04/25
P02	SNN	APL	Amended to RSA comments	06/05/25
P01	NJ	MBD	Initial Issue	17/01/25
REV	DRAWN	CHECK	REVISION COMMENTS	ISSUE DATE
DRAWING TITLE				SHEET NO.
Drainage Design Phase 3				1
PROJECT				
John Barker Place Hitchin Hertfordshire				
CLIENT				
Settle				
Infrastruct CS Ltd				
SCALE @ A1 1:200				ENGINEER R.J.W.
ICS NUMBER 4121				DRAFT SNN
STATUS S2				APPROVED A.J.G.
PROJECT M10290				NO. REVISION 0201 P05
ORIGIN VOLUME ICS XX				TYPE ZZ
LEVEL ZZ				ROLE D
TYPE ZZ				NO. REVISION 0201 P05