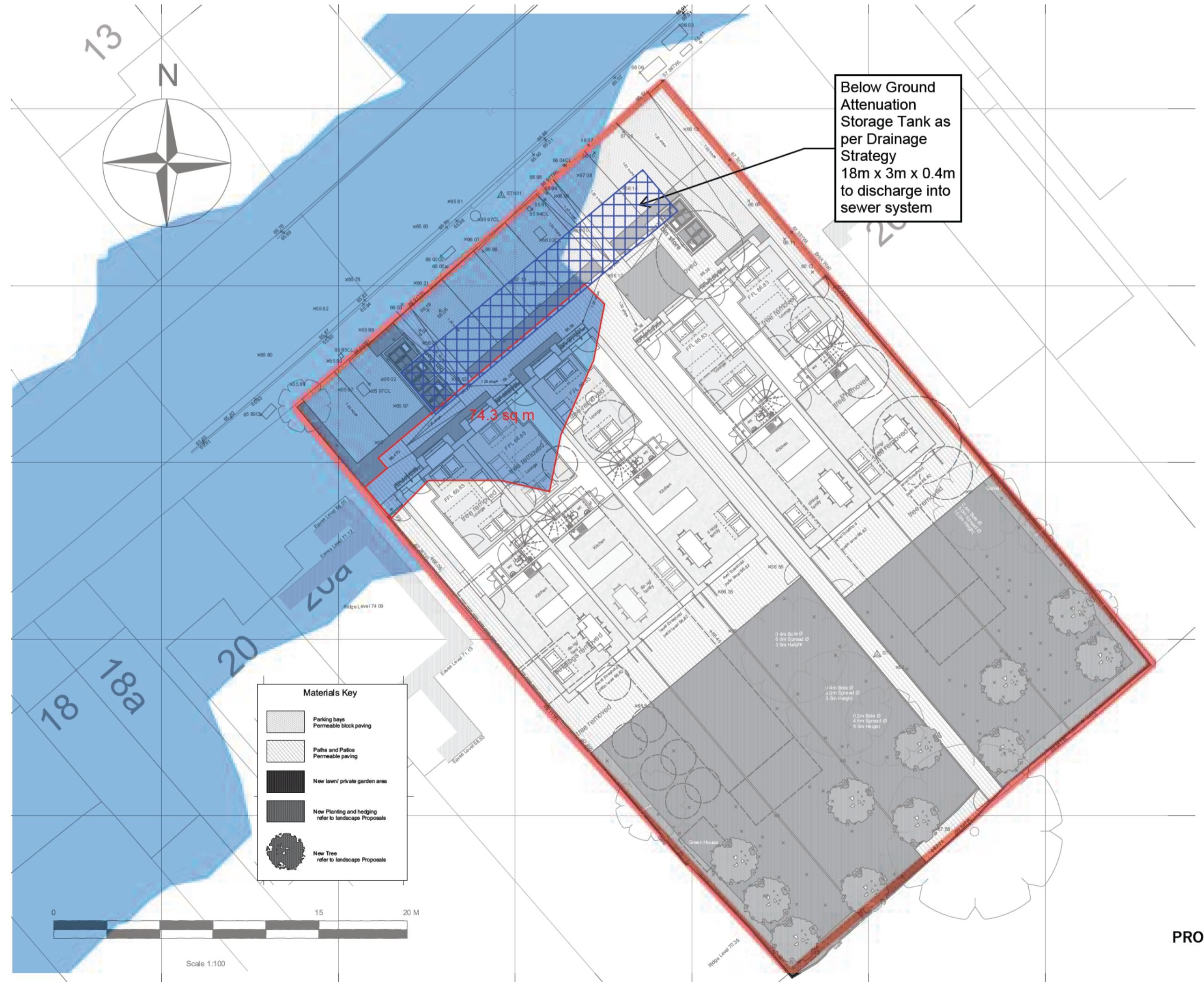


EXISTING SITE LAYOUT
1:50



PROPOSED SITE LAYOUT
1:50

Total New Built Volume Taken from flood zone

Levels m AOD		Volume taken from hit and miss wall*	Volume taken from area shown in red*	Total Volume
Lower	Higher	m3	m3	m3
65.96	66.03	0.0	5.2	5.2

* See tables below for detailed calculations

Volume Taken by Hit and Miss brick

Levels m AOD		Total Length walls	Total Area	Hit and Miss wall brick area	Depth of Brick	Number of brick leafs	Total Volume
Lower	Higher	m	m2	m2	m	No.	m3
65.96	66.03	0.00	0	0.72	0.000	0	0.0

Volume taken by Area shown in red

Levels m AOD		Total Area	Total Volume
Lower	Higher	m2	m3
65.96	66.03	74.3	5.2

Total Flood Compensation Volume

Levels m AOD		Buildings being demolished*	Excavations*	Storage Tank*	Total Volume
Lower	Higher	m3	m3	m3	m3
65.96	66.03	0.0	0.0	59.4	59.4

* See tables below for detailed calculations

Flood Compensation - Demolished Buildings

Levels		Total Area	Total Volume
Lower	Higher	m2	m3
65.96	66.03	0	0.0

Flood Compensation - Excavations

Levels		Total Depth	Average Depth	Total Area	Total Volume
Lower	Higher	m	m	m2	m3
65.96	66.03	0.070	0	0	0.0

Flood Compensation - Storage Tank

Levels		Total Length	Total Width	Total Depth	Total Volume
Lower	Higher	m	m	m2	m3
64.9	66.00	18	3	1.10	59.4

Conclusion

Although part of the estimated extent for the 1% + CC flooding event falls within the site, the flooding levels are similar to the site ground levels, indicating very low to null water depths. As a consequence, the volume taken is low. The volume is proposed to be compensated by the Flood Storage tank proposed as part of the drainage strategy. Although not ideal, it allows the proposal to exist without increasing risk elsewhere. The estimated volume taken is relatively small and the compensation will be discharged into the sewer system.

Do not scale from this drawing. Refer to figured dimensions only. RIDA Reports Ltd registered in England and Wales No. 10590566. This drawing is copyright of RIDA Reports Ltd.

Drawing Scale Bar

Drawing scale	Line length	Drawing scale	Line length
1:5	= 0.25 metres	1:200	= 10.0 metres
1:10	= 0.5 metres	1:250	= 12.5 metres
1:20	= 1.0 metres	1:500	= 25.0 metres
1:25	= 1.25 metres	1:1000	= 50.0 metres
1:50	= 2.5 metres	1:1250	= 62.5 metres
1:100	= 5.0 metres	1:2500	= 125 metres

Measure length of line above for checking of scale

GENERAL NOTES

This drawing should be read in conjunction with relevant Structural and Architectural Information:
All work to be undertaken in accordance with relevant health and safety legislation, adopting safe methods of working and in accordance with manufacturers' product literature and H&S data sheets.
Contractor to check all levels, dimensions and heights on site before commencing.
Refer to structural engineers details for all structural, underground drainage requirements.

KEY

- Study Area
- 66.03 m AOD 1 in 100 + CC Levels
- Flood Compensation Area
- 1% + 26% CC - 66.03 m AOD

Rev	Details	Date	By	CHK
-----	---------	------	----	-----

Drawing Status: **PRELIMINARY**



Client:

Project:

[0497] 22&24 St.Annes Road, London Colney, AL2 1LJ

Flood Compensation Volume