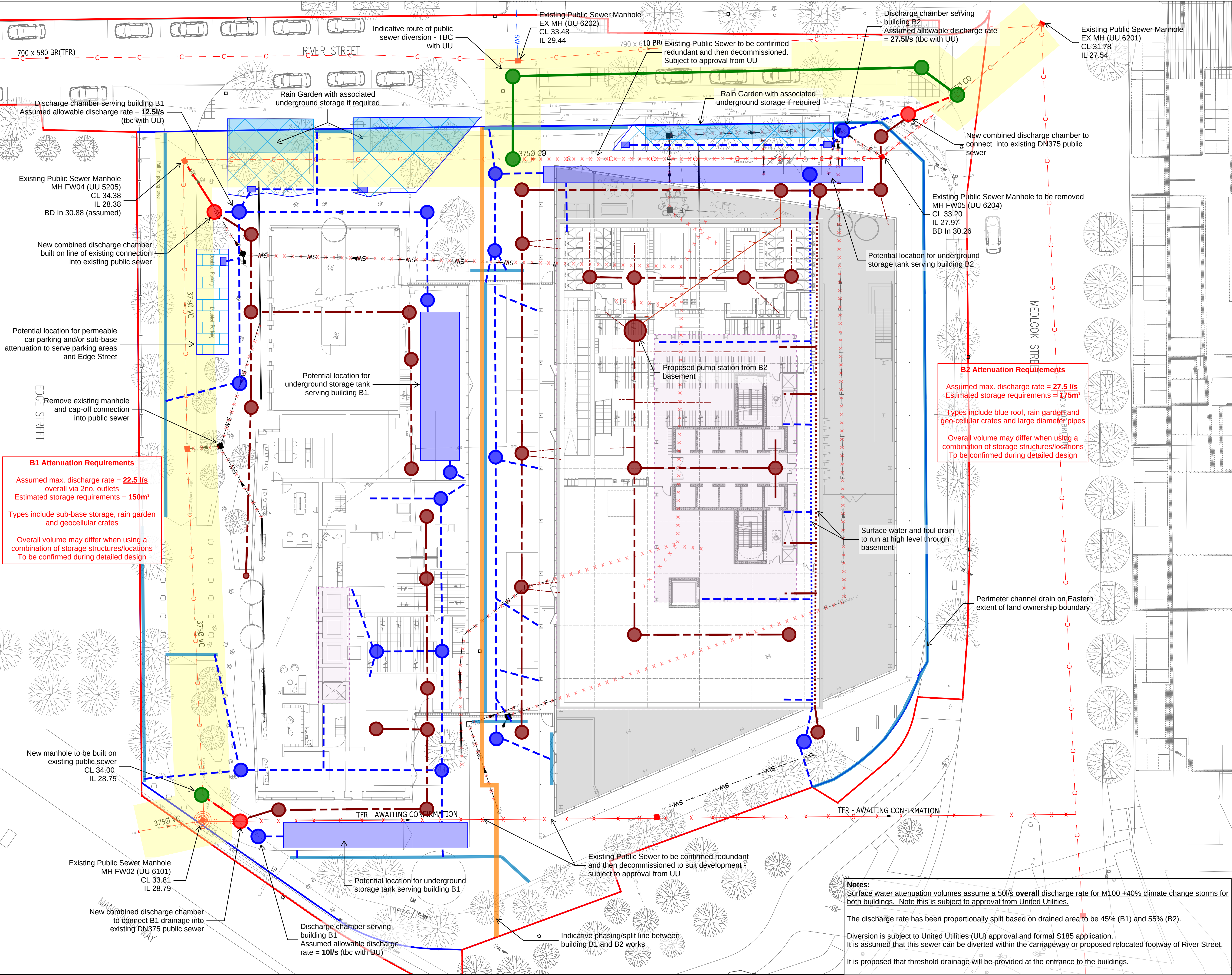




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Notes

- DO NOT SCALE FROM THIS DRAWING
- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O
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- THIS SKETCH IS BASED ON:
 - PLANNING LANDSCAPE MASTERPLAN 2072-PLA-XX-XX-DR-L-0003 [P02 Dated 21/09/2022]
 - JMA ARCHITECT LAYOUTS [Dated Nov 2020]
 - 100_B1_02_2200
 - 100_B2_02_2199
 - 100_B2_02_2200
- THIS SKETCH ONLY RELATES TO THE BUILDING DRAINAGE SYSTEM FOR B1 AND B2 AND ASSOCIATED LANDSCAPING WITHIN THE BLUE LINE (LAND OWNERSHIP) BOUNDARY.

IT IS UNDERSTOOD THAT THERE WILL BE A REQUIREMENT TO UNDERTAKE DRAINAGE WORKS WITHIN THE PUBLIC HIGHWAY (RIVER ST) AND TIE IN WITH MEDLOCK STREET. HOWEVER THE EXTENT OF WHICH IS NOT YET KNOWN AND WILL REQUIRE DETAILED CONSULTATION WITH THE LOCAL HIGHWAYS AUTHORITY TO DEFINE SCOPE OF WORKS PRIOR TO DEVELOPING ANY DRAINAGE STRATEGIES

KEY

Existing drain to be removed x x x x x

Proposed public sewer diversion/works to public sewer

Indicative public sewer easement (assumed 3m from centreline)

Proposed storm drain & manhole

Proposed foul drain & manhole

Proposed combined drain & manhole

Proposed sub-base attenuation

Proposed underground tank

Proposed rain garden & underground tank

Proposed channel drain

Indicative phasing line

P03	FOR PLANNING	23/09/2022	CO	CF
P02	FOR PLANNING	17/02/2021	SG	GS
P01	FOR PLANNING	05/01/2021	SG	GS
Rev	Description	Date	By	App

SKETCH

ONE MEDLOCK STREET

RAMBOLL

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PROPOSED DRAINAGE STRATEGY

Project No:	Scale (@A1):	Drawn:	Date:
1620005811	1:200	SG	FEB'21
Drawing No:		Rev:	
5811-RAM-XX-XX-SK-D-0006			P03

B1 Attenuation Requirements

Assumed max. discharge rate = 22.5 l/s overall via 2no. outlets
Estimated storage requirements = 150m³

Types include sub-base storage, rain garden and geocellular crates

Overall volume may differ when using a combination of storage structures/locations
To be confirmed during detailed design

B2 Attenuation Requirements

Assumed max. discharge rate = 27.5 l/s
Estimated storage requirements = 175m³

Types include blue roof, rain garden and geocellular crates and large diameter pipes

Overall volume may differ when using a combination of storage structures/locations
To be confirmed during detailed design

Notes:

Surface water attenuation volumes assume a 50l/s overall discharge rate for M100 +40% climate change storms for both buildings. Note this is subject to approval from United Utilities.

The discharge rate has been proportionally split based on drained area to be 45% (B1) and 55% (B2).

Diversion is subject to United Utilities (UU) approval and formal S185 application. It is assumed that this sewer can be diverted within the carriageway or proposed relocated footway of River Street.

It is proposed that threshold drainage will be provided at the entrance to the buildings.