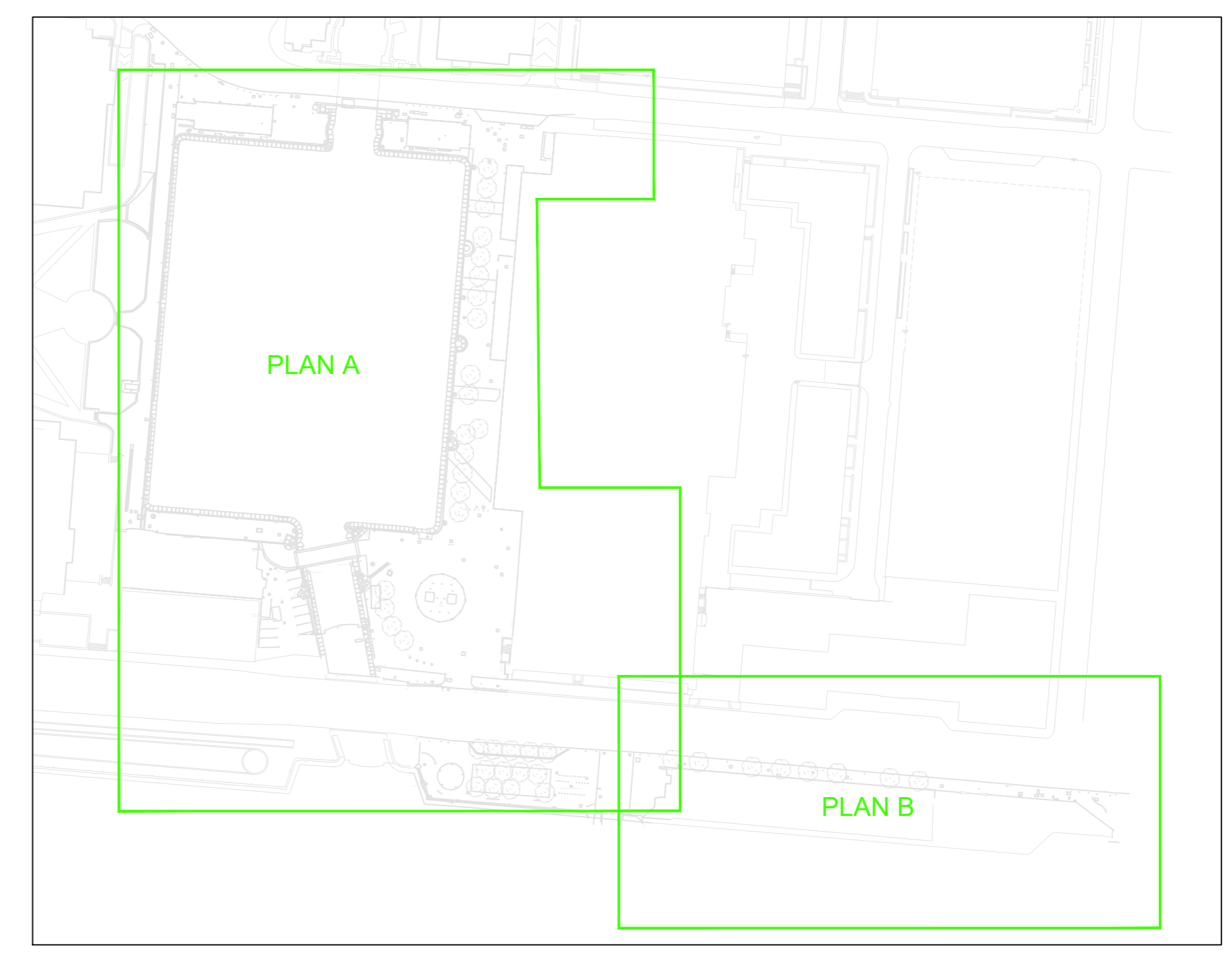
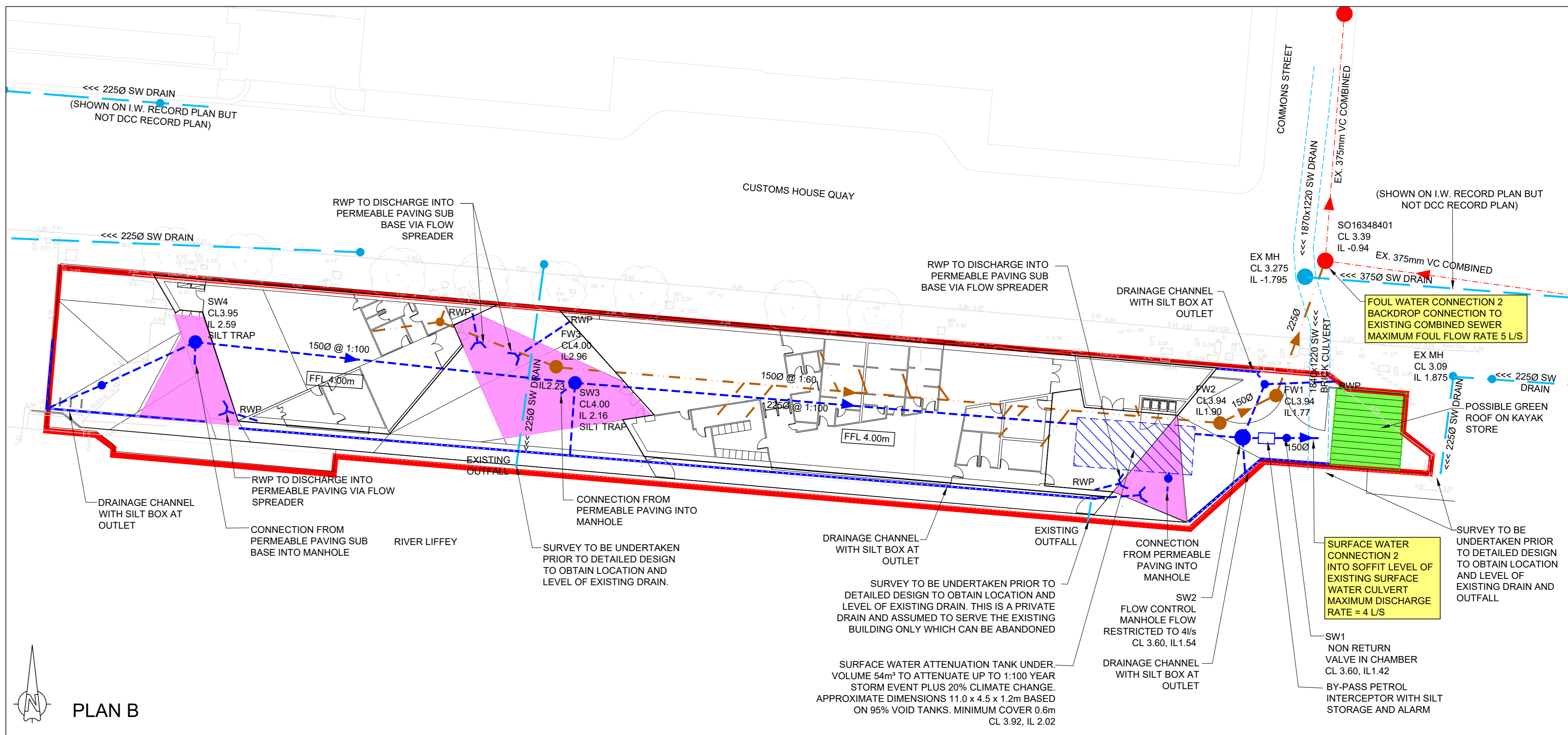


- NOTES**
- All discharge rates are assumed and are to be confirmed by Irish Water and Dublin City Council Drainage Officer.
 - Locations and numbers of RWP's and SVP's are assumed and to be confirmed by Architect.
 - All external levels are to be confirmed.
 - Contractor is to be responsible for checking presence of existing services.
 - All internal SVP's and SS's to have above slab rodding access.
 - All internal rodding eyes and manholes to be double sealed and lockable.
 - All drainage works to public sewers subject to the approval of Irish Water. To be in accordance with the Water Authorities publication "Sewers for Adoption" current edition.
 - Private sewers to be constructed in accordance with Building Regulations Part H.
 - S105 application for sewer connection to be made by Contractor.
 - All proposed drainage to be 1500 unless noted otherwise.
 - All drain connections to be swept branches.
 - All drains within areas of vehicular overrun with less than 1.2m cover to have Class Q surround where U-PVC and class 2 bed and surround where concrete.
 - All existing drainage locations, levels etc. to be checked by the contractor on site prior to any work commencing and the engineer notified of any discrepancies.
 - All redundant drainage to be abandoned.
 - Chamber cover levels are approximate and are to be set to suit either landscape architects proposed levels or adjacent ground level.
 - Internal building foul drainage to be 1000, minimum fall 1 in 60 unless noted otherwise. Class V surround to be used where cover beneath ground floor slab more than 300mm. Class Y surround to be used where cover beneath ground floor slab less than 300mm.
 - Internal drainage runs to be pass under ground beams where possible. Where running down building perimeter walls these are to be sleeved through ground beams above foundation level. Where running down structural steel columns on building perimeter walls these are to be sleeved through column surround and exit via a gap in ground beams. Foundation layout to be confirmed at detailed design stage.
 - Contractor to include flexible jointed pipe where crossing foundations.
 - Existing chambers to be connected into shall be inspected by contractor. Chamber benching/access to be modified to provide safe access. New chamber will be required if there is insufficient room for new connection, contractor to provide provisional cost for reconstruction.
 - Additional drainage gullies may be required to external pavement areas based on final Landscape Architect design.

- EXISTING DRAINAGE SYSTEM**
- EXISTING SURFACE WATER DRAINAGE AND ASSOCIATED MANHOLE
 - EXISTING SURFACE WATER CULVERT
 - EXISTING COMBINED WATER DRAINAGE AND ASSOCIATED MANHOLE
 - EXISTING FOUL WATER DRAINAGE AND ASSOCIATED MANHOLE

- PROPOSED DRAINAGE SYSTEM**
- PROPOSED SURFACE WATER DRAINAGE AND ASSOCIATED MANHOLE
 - PROPOSED FOUL WATER DRAINAGE AND ASSOCIATED MANHOLE
 - PROPOSED COMBINED WATER DRAINAGE AND ASSOCIATED MANHOLE
 - PROPOSED FOUL WATER RISING MAIN

- SuDS SYSTEMS TO PROVIDE SOURCE CONTROL, TREATMENT AND ATTENUATION**
- PERMEABLE PAVING, SIDES AND BASE LINED WITH IMPERMEABLE LINER. EXTENT TO BE DETERMINED DURING DETAILED DESIGN
 - SUB BASE UNDER IMPERMEABLE SURFACING MATERIAL TO BE WRAPPED WITH IMPERMEABLE MEMBRANE TO PREVENT SEEPAGE INTO THE GROUND
 - GREEN ROOF



Rev	Amendments	Date	By
P9	UPDATED AND ISSUED FOR PART 8 APPLICATION	12.08.19	DH
P8	PROPOSED COMBINED DRAIN CHANGED TO A FOUL DRAIN	13.06.19	DH
P7	AMENDED TO DISCHARGE SW INTO THE RIVER LIFFEY. ISSUED FOR PART 8	12.06.19	DH
P6	AMENDED TO NOT DISCHARGE SW INTO THE RIVER LIFFEY. ISSUED FOR PART 8	05.06.19	DH
P5	AMENDED TO DISCHARGE SW INTO THE PUBLIC SW SYSTEM	05.06.19	DH
P4	AMENDED FOLLOWING DESIGN TEAM COMMENTS	19.02.19	DSH
P3	DCDA BUILDING DRAINAGE STRATEGY ADDED	08.02.19	DSH
P2	INNER DOCK REMOVED FROM SCHEME	29.01.18	DSH
P1	INITIAL ISSUE	16.01.18	DSH

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Client: **Comhairle Cathrach Bhaile Átha Cliath Dublin City Council**

Project: **DUBLIN WHITWATER COURSE**

Drawing: **SITE DRAINAGE STRATEGY AND WATER TREATMENT**

Scales: 1/250 At original size: A0

Drawn: DH
 Date: NOV 17
 Checked: MH

Status: **PRELIMINARY**

Drawing No: **N17397-220** Rev: **P9**