



TECHNICAL MEMORANDUM

DATE:	2026-04-23	RWDI REFERENCE #: 2508863
TO:	Stantec UK Limited	
FROM:	RWDI	
RE:	Wind Microclimate Clarifications Forbury Retail Park Reading, UK	

Introduction

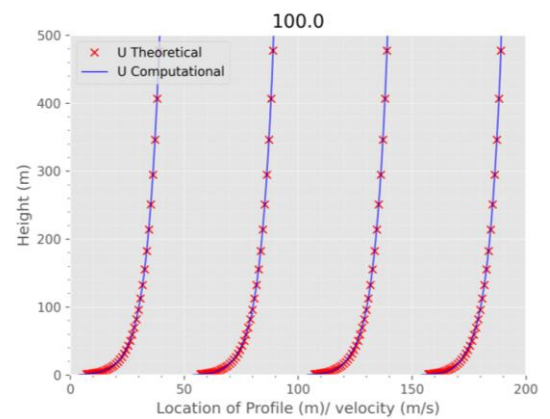
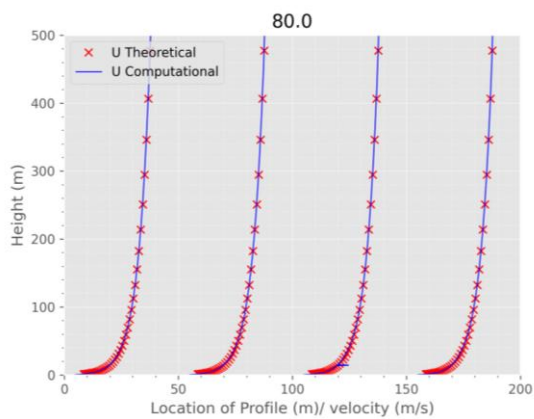
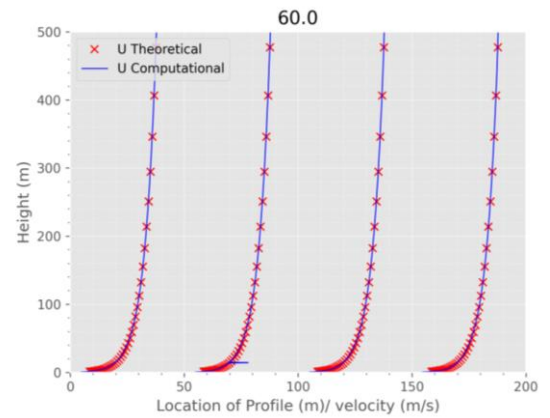
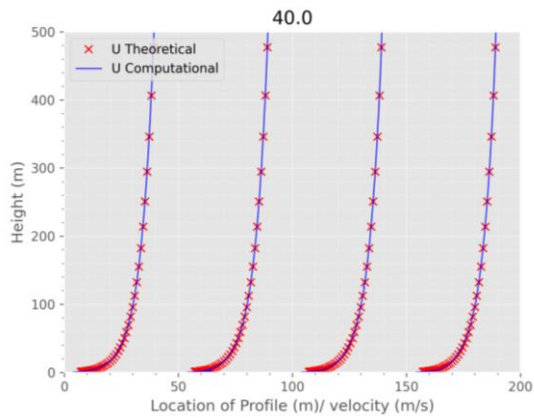
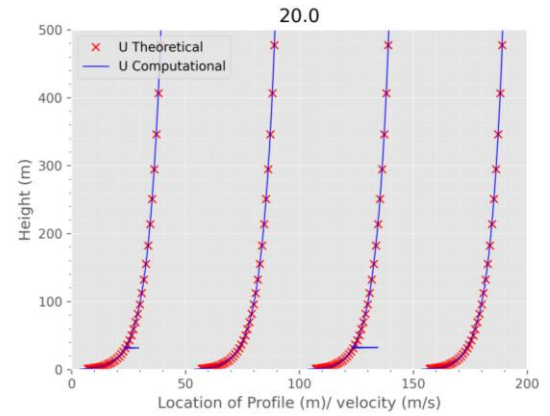
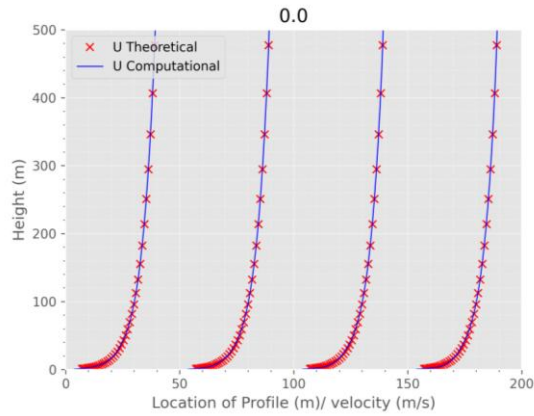
During 2025, RWDI were appointed to conduct a pedestrian level wind microclimate assessment for the proposed Forbury Retail Park development in Reading, UK (hereafter referred to as the "Proposed Development"). The assessment was undertaken using Computational Fluid Dynamics (CFD) simulations, to determine the influence of the Proposed Development on the local wind environment and the suitability of the wind microclimate for the intended pedestrian uses.

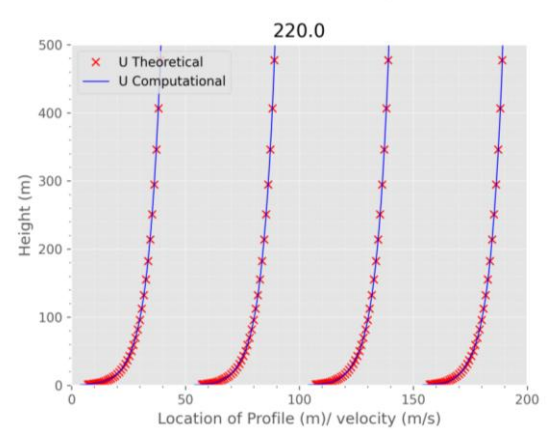
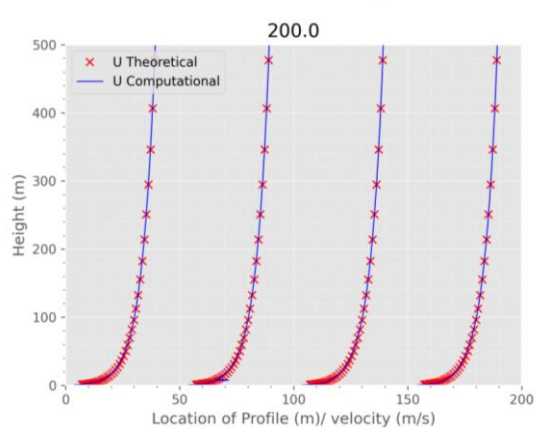
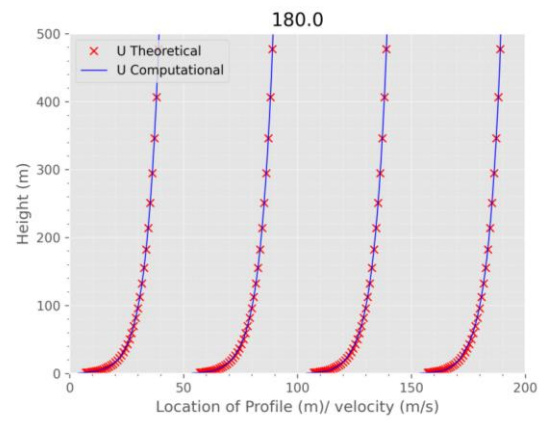
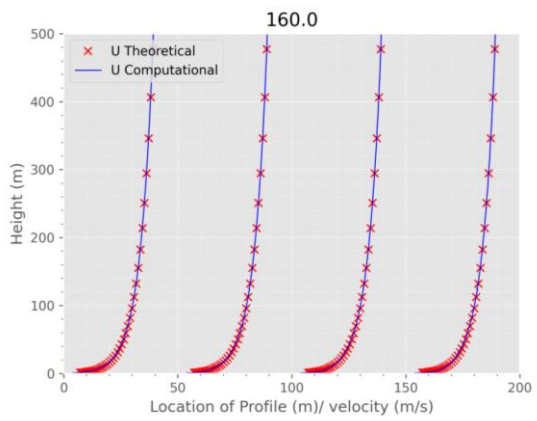
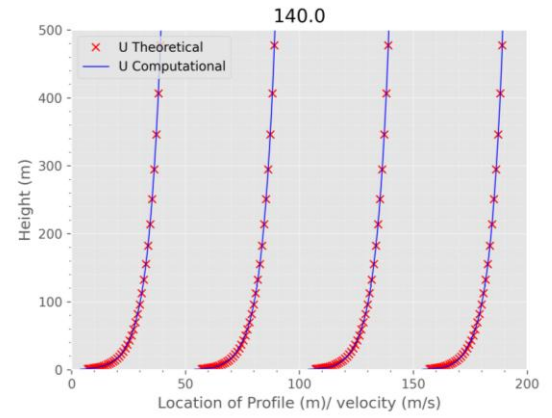
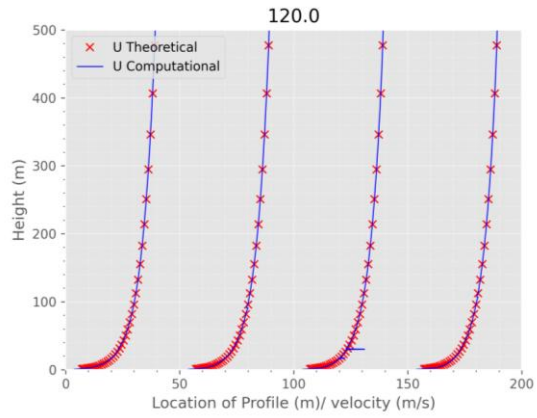
Following the wind microclimate assessment, a peer review has been undertaken by Architectural Aerodynamics Ltd. There are two clarifications that have been raised in the review, namely:

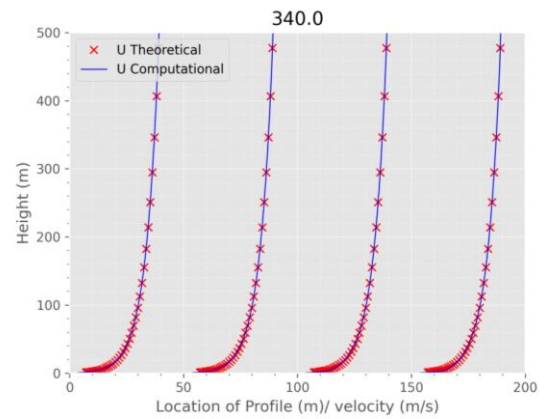
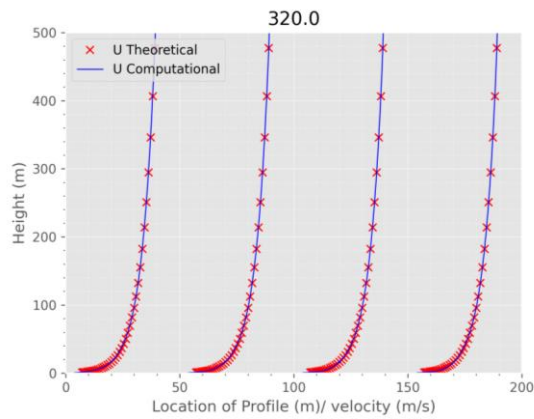
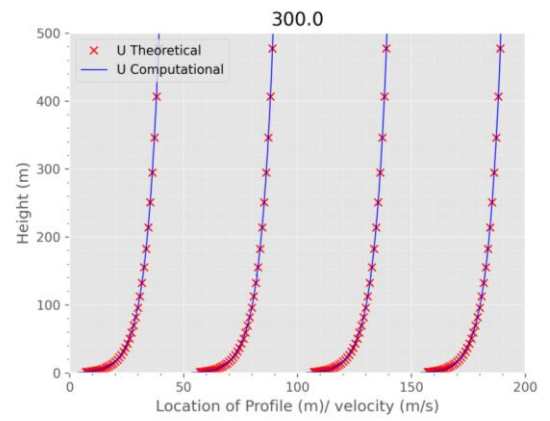
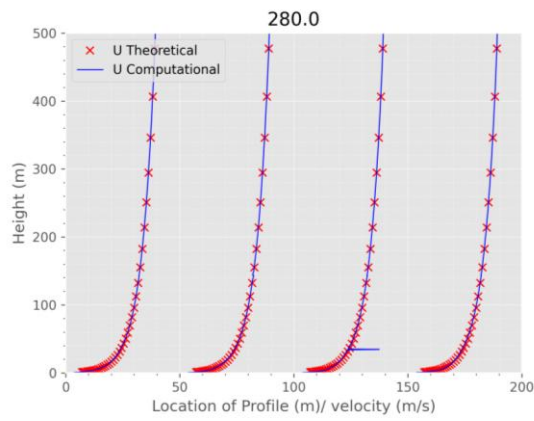
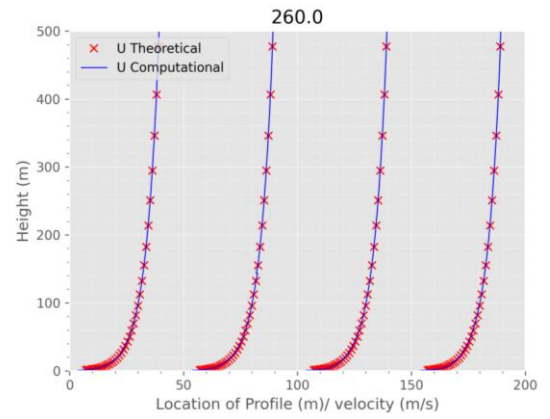
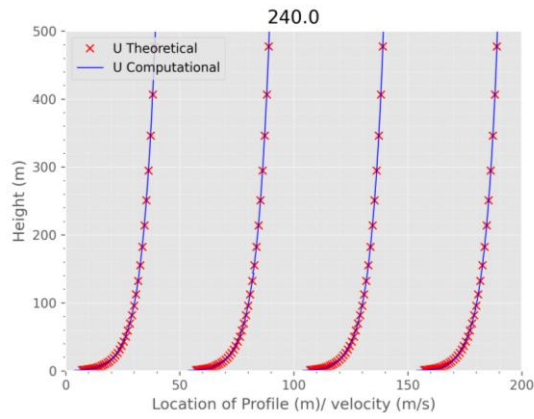
1. Please provide the targeted and simulated profiles of wind speed and turbulence intensity for the CFD simulation; and
2. Please provide images & close-ups where possible of the proposed development within the computational mesh

This document seeks to provide responses to the clarifications raised.

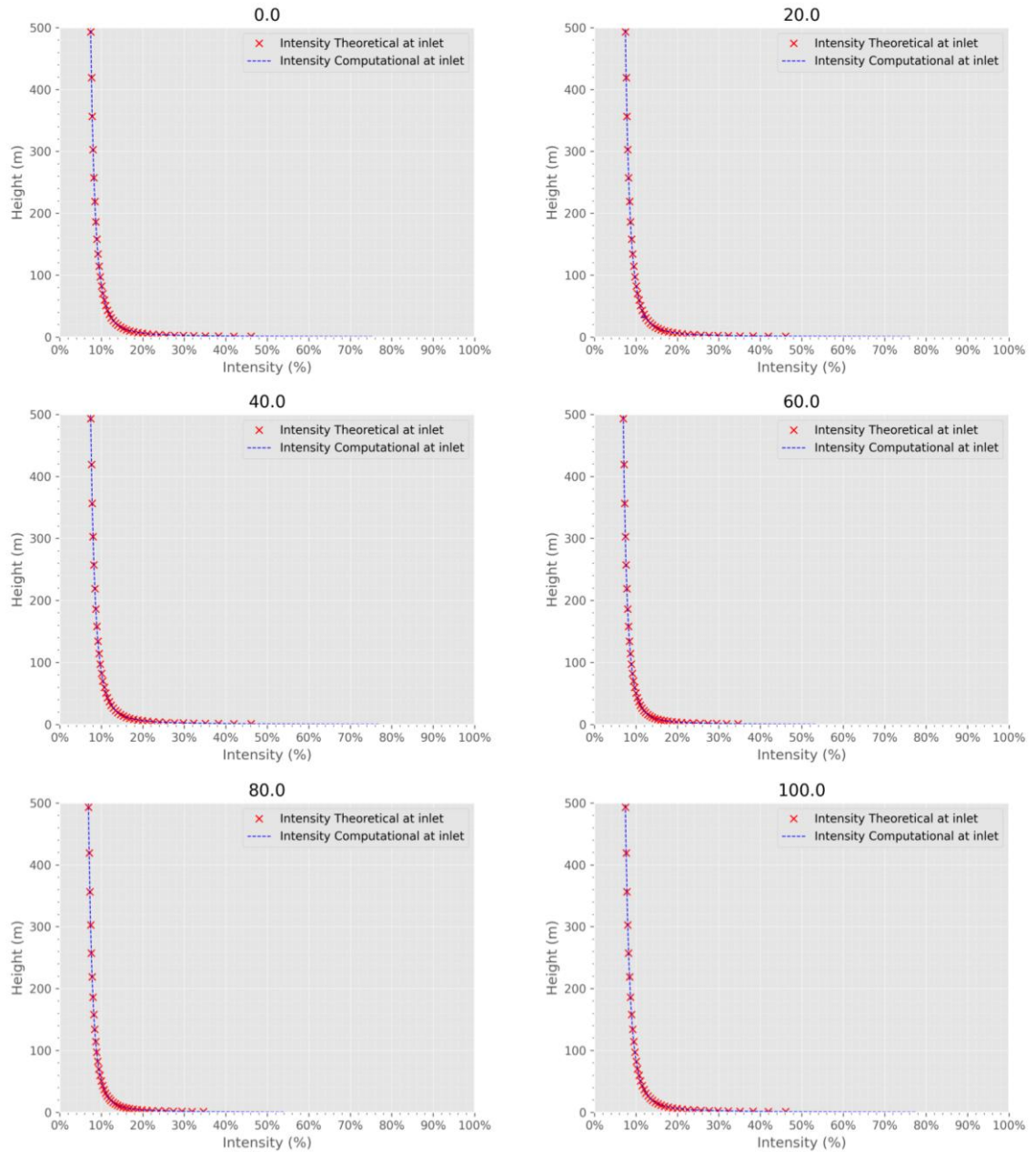
1A: Profile Plots – Wind Speed

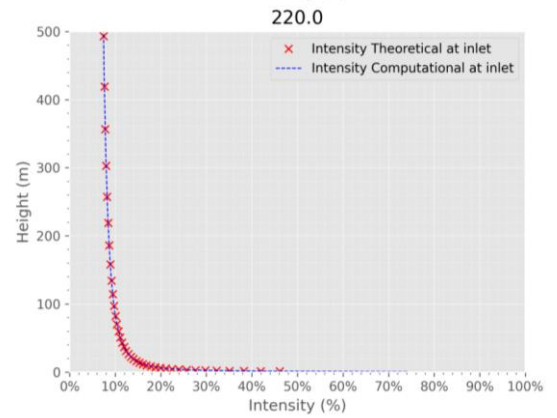
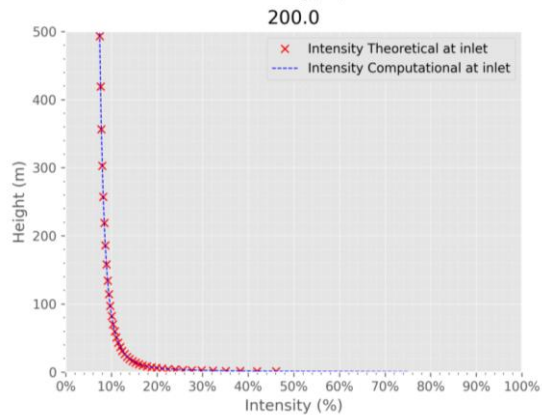
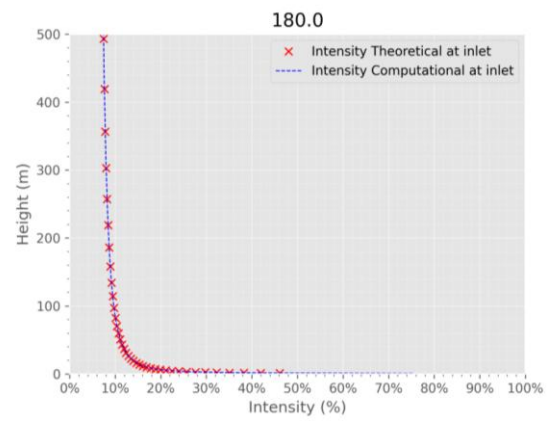
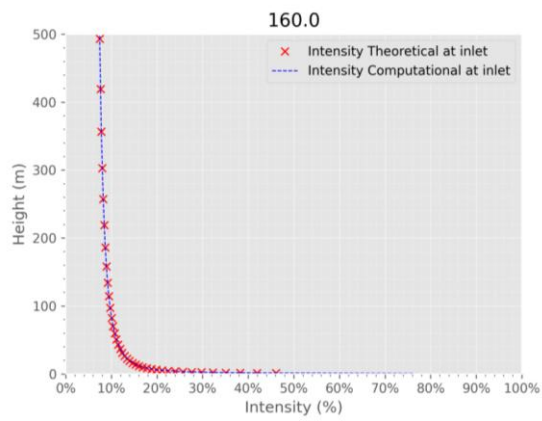
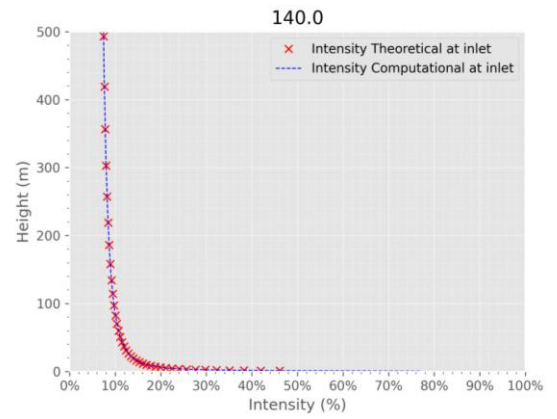
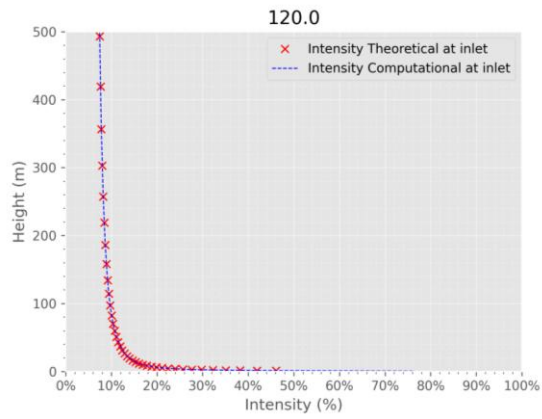


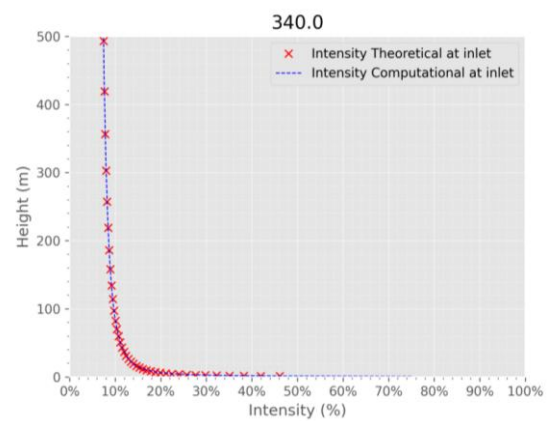
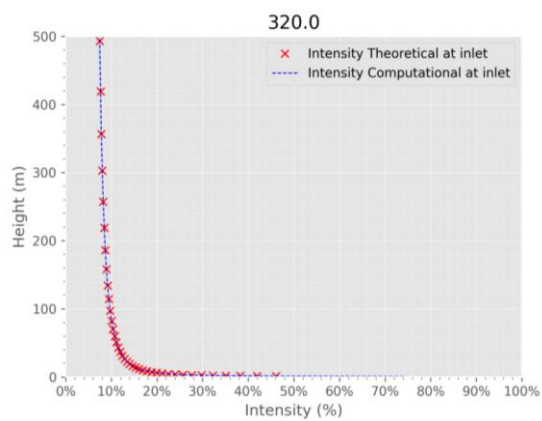
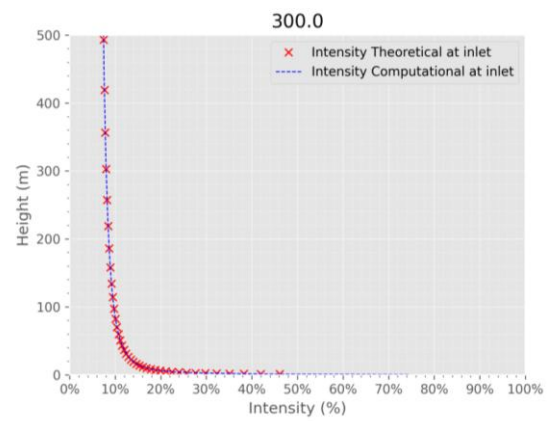
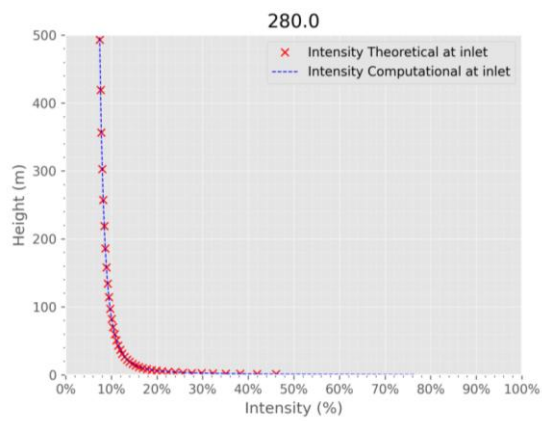
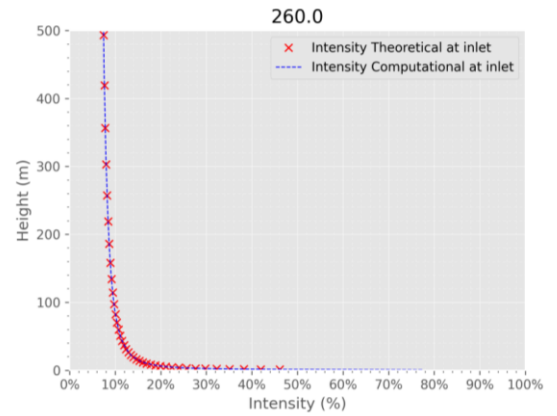
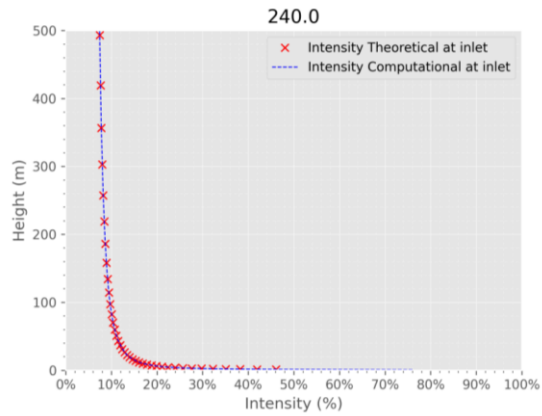




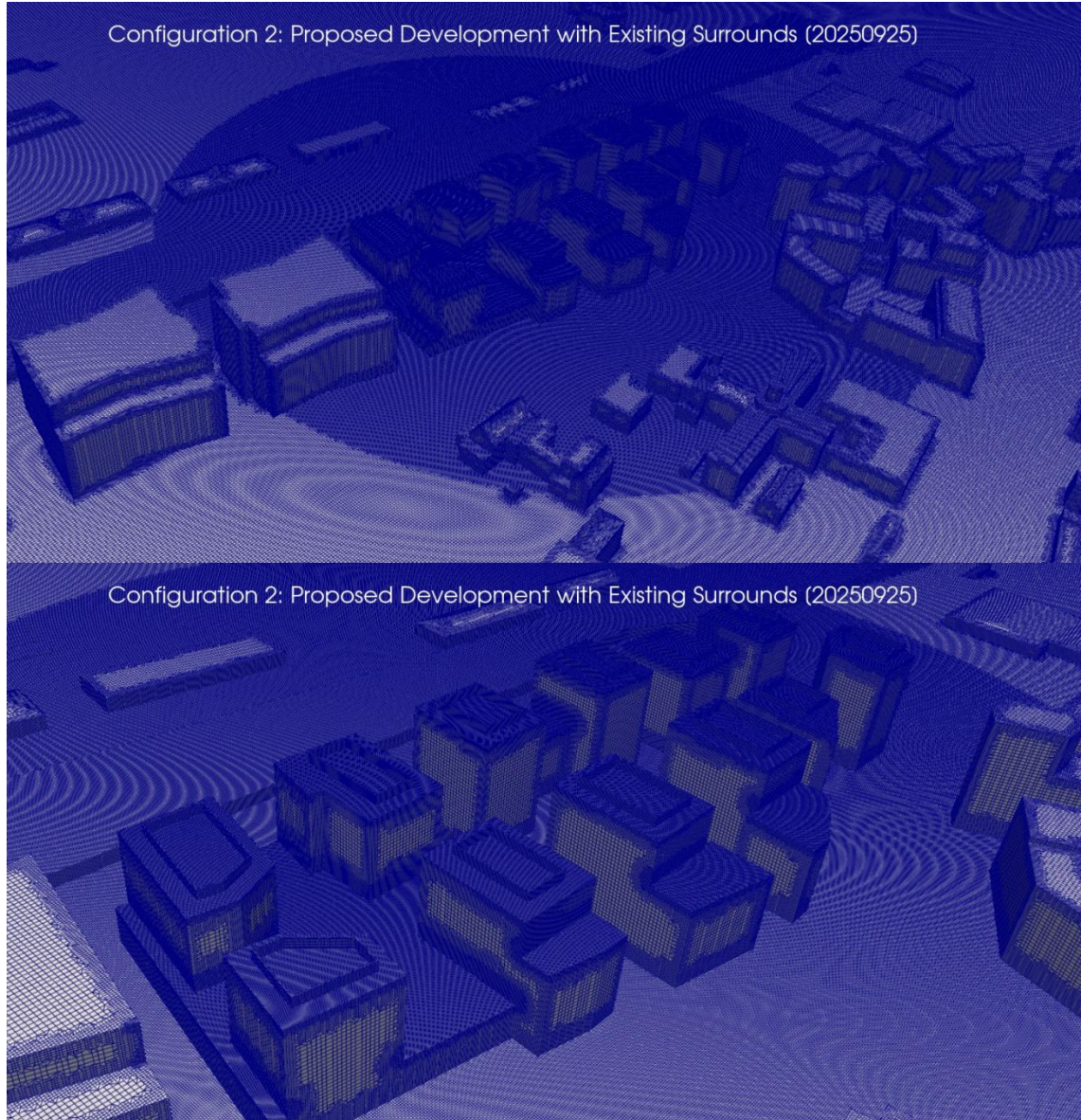
1B: Profile Plots – Turbulence

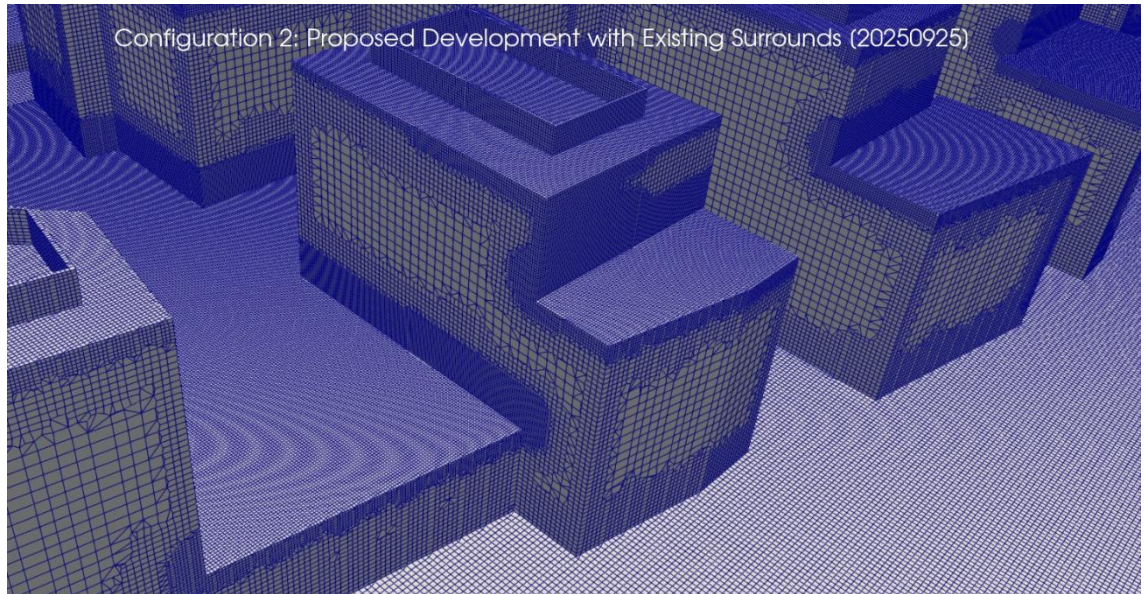






2: Images of Computational Mesh





Kind regards,

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STATEMENT OF LIMITATIONS

This report entitled Technical Memorandum dated April 23rd, 2026, was prepared by RWDI Anemos Ltd. ("RWDI") for Stantec UK Limited ("Client"). The findings and conclusions presented in this report have been prepared for the Client and are specific to the development described herein ("Project"). The conclusions and recommendations contained in this report are based on the information available to RWDI when this report was prepared. Because the contents of this report may not reflect the final design of the Project or subsequent changes made after the date of this report, RWDI recommends that it be retained by Client during the final design stage to verify that the results and recommendations provided in this report have been correctly interpreted in the final design of the Project.

The conclusions and recommendations contained in this report have also been made for the specific purpose(s) set out herein. Should the Client or any other third party utilise the report and/or implement the conclusions and recommendations contained therein for any other purpose or project without the involvement of RWDI, the Client or such third party assumes any and all risk of any and all consequences arising from such use and RWDI accepts no responsibility for any liability, loss, or damage of any kind suffered by Client or any other third party arising therefrom.

Finally, it is imperative that the Client and/or any party relying on the conclusions and recommendations in this report carefully review the stated assumptions contained herein and to understand the different factors which may impact the conclusions and recommendations provided.