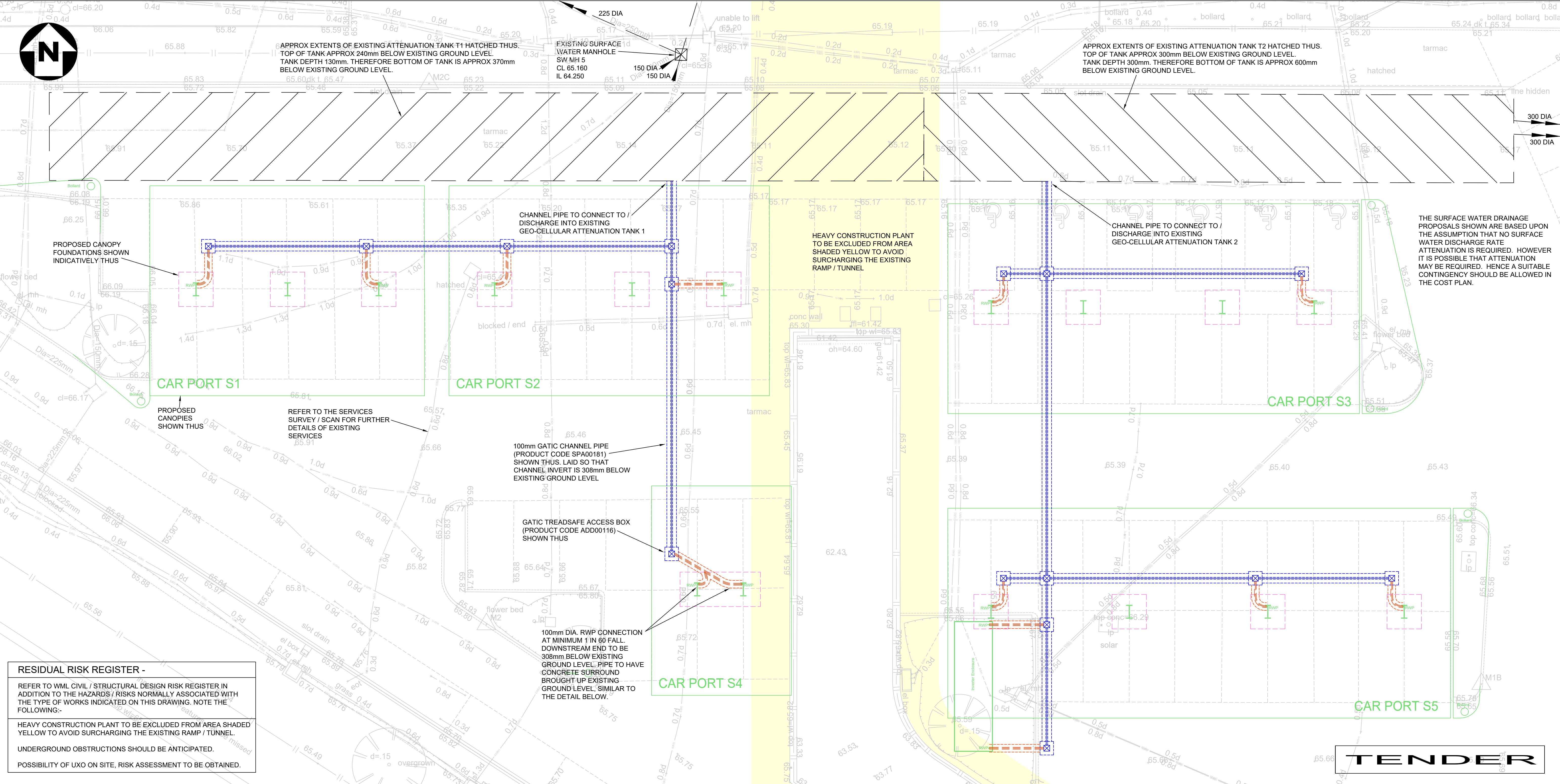




GENERAL NOTES

DO NOT SCALE FROM THIS DRAWING WORK TO FIGURED DIMENSIONS ONLY.

NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS ALLOWED WITHOUT PRIOR PERMISSION IN WRITING.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND THE SPECIFICATION.

THE CONTRACTOR SHALL INCORPORATE ALL THE REQUIREMENTS OF THE PRE-TENDER STAGE HEALTH AND SAFETY PLAN.

FOR DETAILS OF MATERIALS AND WORKMANSHIP REFER TO THE SPECIFICATION.

THE CONTRACTOR IS RESPONSIBLE FOR CHECKING INVERT LEVELS AND POSITIONS OF ALL EXISTING DRAINS, SEWERS, INSPECTION CHAMBERS AND MANHOLES SHOWN ON THIS DRAWING IMMEDIATELY ON SITE ESTABLISHMENT. ANY DISCREPANCIES MUST BE REPORTED TO WML CONSULTING IMMEDIATELY.

PROVIDE ADEQUATE PROTECTION TO MAINTAIN MINIMUM COVER TO DRAINS DURING THE CONSTRUCTION PERIOD.

PIPEWORK TO BE SUPERSLEVE VITRIFIED CLAY PIPES OR SIMILAR.

ALL COVERS AND RODDING ACCESS POINTS TO BE SEALED AND SCREWED TIGHT.

ALL CONNECTIONS TO BE MADE IN ACCORDANCE WITH STANDARD DETAIL DRAWINGS.

SURFACE WATER DRAINAGE STRATEGY

THE SURFACE WATER DRAINAGE PROPOSALS HAVE BEEN DESIGNED IN ACCORDANCE WITH BS EN 752-4 AND THE BUILDING REGULATIONS APPROVED DOCUMENT H (2010), WHICH INDICATES THE FOLLOWING HIERARCHY FOR THE DISPOSAL OF SURFACE WATER DRAINAGE FROM DEVELOPMENT SITES:-

- DISCHARGE VIA INFILTRATION;
- DISCHARGE TO WATERCOURSE;
- DISCHARGE TO SEWER.

THESE OPTIONS ARE DISCUSSED IN FURTHER DETAIL BELOW.

SURFACE WATER DISCHARGE VIA INFILTRATION

FROM THE RECENT SITE INVESTIGATION THE GROUND CONDITIONS AT THE SITE (MADE GROUND OVER CLAY) APPEAR UNLIKELY TO SUIT THE USE OF INFILTRATION TECHNIQUES FOR DRAINING THE PROPOSED DEVELOPMENT.

SURFACE WATER DISCHARGE VIA WATERCOURSE

FROM OS MAPPING IT APPEARS THAT THERE ARE NO EXISTING WATERCOURSES WITHIN, OR IN THE VICINITY OF THE SITE. HENCE IT WILL NOT BE POSSIBLE TO DISCHARGE THE SURFACE WATER RUNOFF TO A WATERCOURSE.

SURFACE WATER DISCHARGE VIA THE PUBLIC SEWERAGE SYSTEM

GIVEN THE ABOVE IT WILL BE NECESSARY TO DISCHARGE THE SURFACE WATER RUNOFF TO THE PUBLIC SEWER NETWORK VIA CONNECTING TO THE EXISTING ON SITE PRIVATE DRAINAGE SYSTEM.

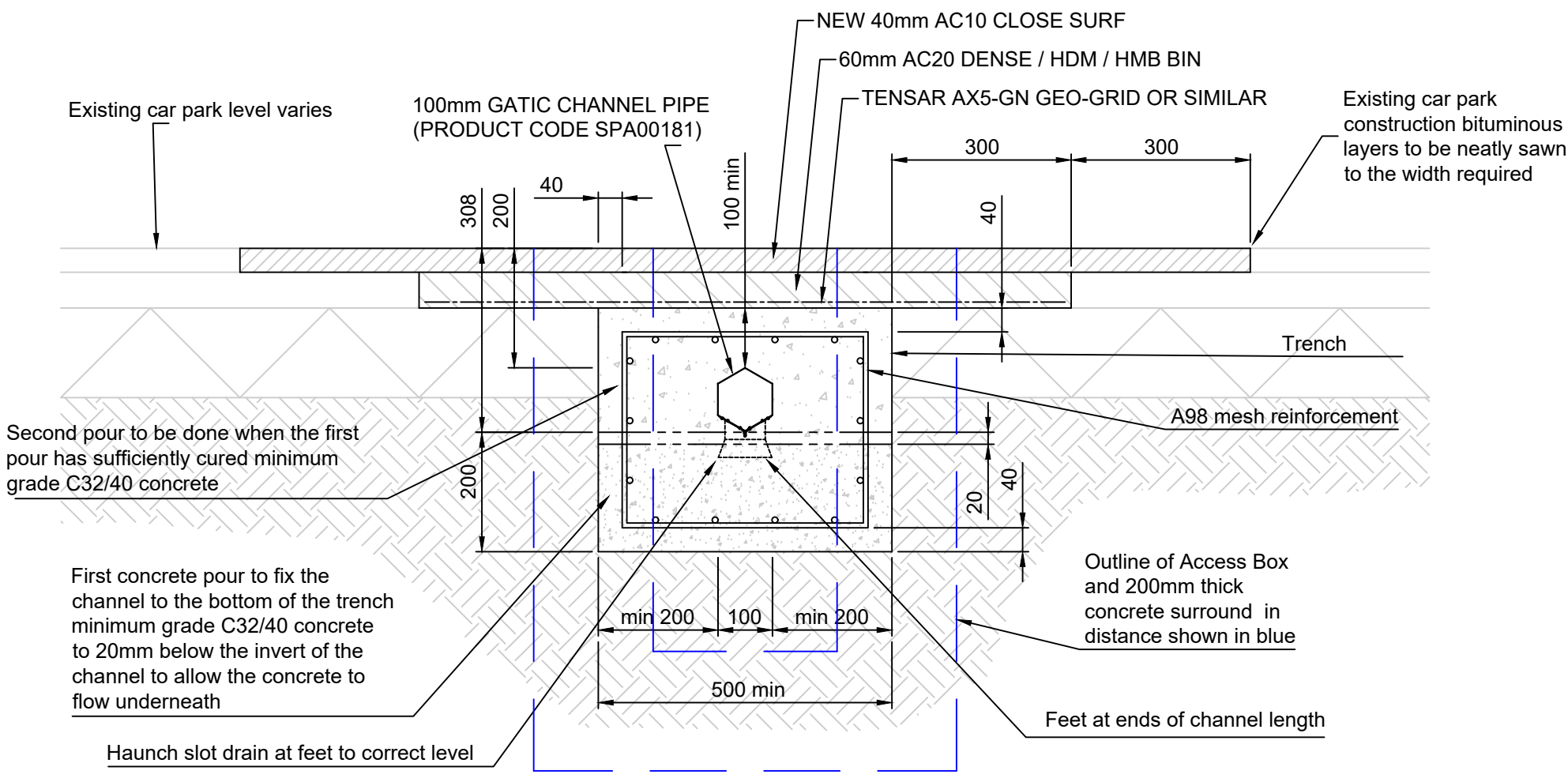
THE EXISTING ON SITE PRIVATE DRAINAGE SYSTEM WAS INSTALLED RELATIVELY RECENTLY AND DOES CONTAIN DISCHARGE RATE ATTENUATION VIA FLOW CONTROL(S) AND BELOW GROUND ATTENUATION TANKS. HENCE IT IS NOT PROPOSED TO PROVIDE ADDITIONAL ATTENUATION TO SERVE THE PROPOSED DEVELOPMENT.

MAINTENANCE OF THE BELOW GROUND DRAINAGE SYSTEM

THE SURFACE WATER DRAINAGE PROPOSALS INDICATED ARE RELATIVELY TRADITIONAL IN NATURE, AND SHOULD PROVIDE YEARS OF RELATIVELY LOW MAINTENANCE OPERATION IN RELATION TO THE ANTICIPATED LIFESPAN OF THE PROPOSED DEVELOPMENT.

IN LINE WITH CURRENT GOOD PRACTICE INSPECTION CHAMBERS, MANHOLES, CATCHPITS, ETC. SHOULD BE INSPECTED AT 6 MONTHLY INTERVALS TO ENSURE THAT THE PIPEWORK ASSOCIATED WITH THEM ARE OPERATING EFFECTIVELY.

ANY PROBLEMS HIGHLIGHTED BY THESE INSPECTIONS WILL NEED TO BE INVESTIGATED, POSSIBLY BY CCTV SURVEY, TO CONFIRM THE NATURE OF THE PROBLEM AND TO ALLOW IT TO BE REMEDIED IN A TIMELY MANNER. IT IS UNDERSTOOD THAT THE MONITORING AND ROUTINE MAINTENANCE OF THE BELOW GROUND DRAINAGE SYSTEM WILL BE CARRIED OUT BY THE SITE MAINTENANCE TEAM WITH ADDITIONAL HELP PROVIDED BY EXTERNAL SPECIALIST DRAINAGE PROFESSIONALS BROUGHT IN AS REQUIRED.



GATIC CHANNEL PIPE INSTALLATION

T01	GATIC CHANNEL INSTALLATION DETAIL AMENDED. ISSUED FOR TENDER.	18.05.22	KPT	AL
P02	REDESIGNED / REDRAWN.	13.05.22	KPT	AL
P01	PRELIMINARY ISSUE	21.04.22	KPT	AL
Rev.	Amendment	Date	By	Chkd
Project NCC - SOLAR PORTS MANCHESTER				
Client WARDEN CONSTRUCTION LTD				
Title PROPOSED DRAINAGE LAYOUT				
WML Job No. 10287	Drawn KPT	Checked AL	Date APRIL 2022	Scale 1:100 @ A1
WML CONSULTING Civil, Structural & Geotechnical Engineers				
No 8 Oak Green Earl Road Stanley Green Business Park Cheshire SK9 6QL Tel 0161 482 0600 Fax 0161 488 9210 e-mail info@wmlconsulting.com www.wmlconsulting.com				
Drawing No. Project Originator Volume Level Type Role Number Rev 10287 - WML - 00 - XX - DR - C - 1001 T01				