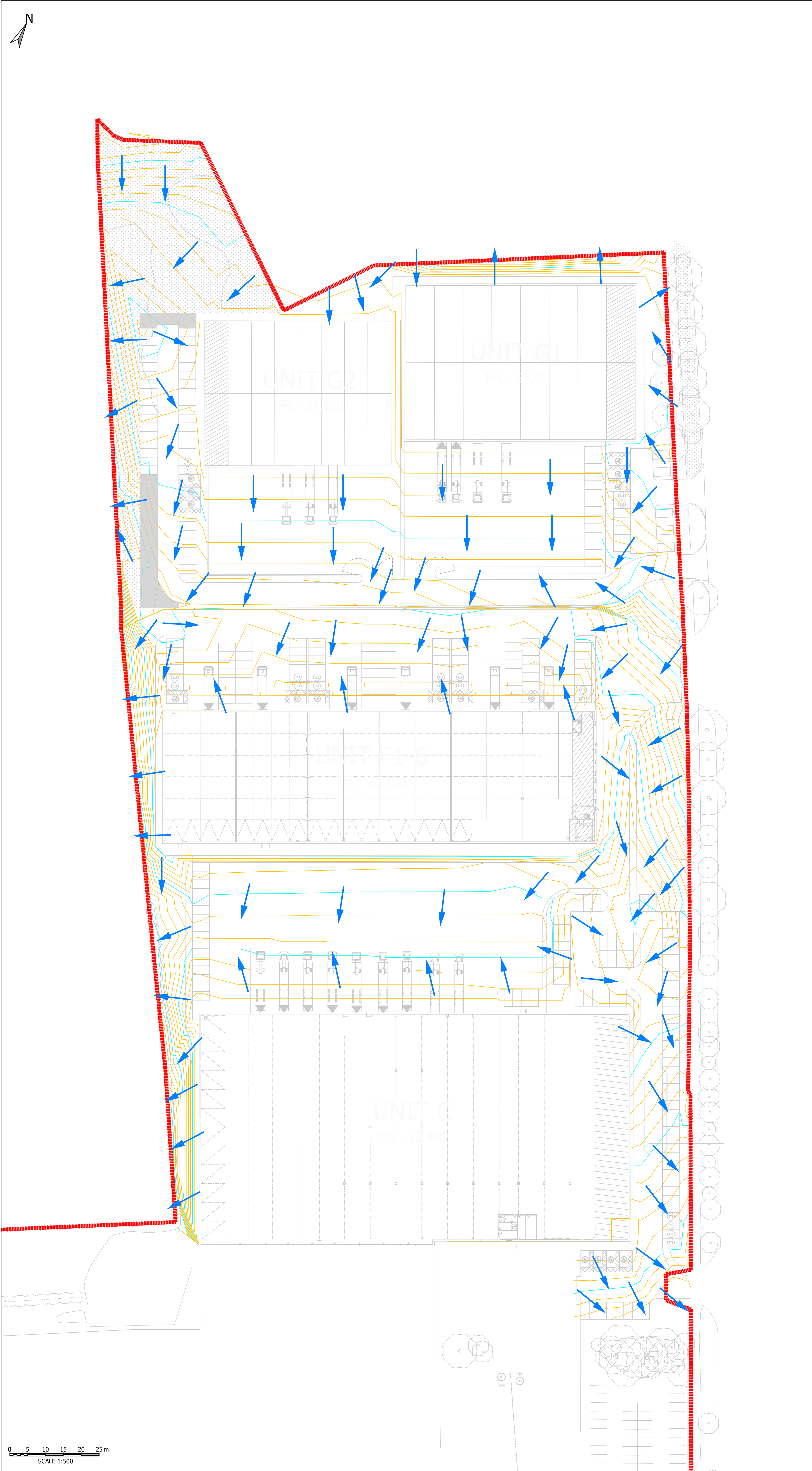




- ### NOTES
- ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
ALL LEVELS RELATE TO ORDNANCE DATUM AND TO THE SITE SPECIFIC TOPOGRAPHICAL SURVEY.
 - LAYOUT INFORMATION PROVIDED BY AEW ARCHITECTS - 1221-AEW-XX-XX-DR-A-0023-S2-P01_OPTION 6 WITH EASEMENTS
 - THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL, HIGHWAYS, DRAINAGE AND ARCHITECTURAL DRAWINGS.
 - FOR POSITIONS OF ALL EXISTING DRAINAGE AND EXISTING MANHOLES, REFER TO THE SURVEY AND RECORDS DRAWINGS.
 - ALL ADOPTABLE DRAINAGE WORKS INCLUDING WORKS TO THE EXISTING PUBLIC SEWERS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH 'CODES FOR ADOPTION' AND CONSTRUCTED TO THE RELEVANT STATUTORY UNDERTAKERS DETAILS.
 - ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH 'CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION', BS EN 752 2008 DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS' AND THE BUILDING REGULATIONS APPROVED DOCUMENT H.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERS SPECIFICATION.
 - EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS AND, WHERE NECESSARY, PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORK.
 - THE CONTRACTOR MAY WISH TO SURVEY ALL EXISTING DRAINAGE PRIOR TO COMMENCEMENT TO CONFIRM THE LOCATION AND CONDITION OF EXISTING DRAINAGE. POTENTIAL PRE-CLEARNSING TO BE UNDERTAKEN IN ORDER TO FACILITATE SURVEY IF REQUIRED.
 - ALL SOFT SPOTS TO BE REMOVED FROM THE BOTTOM OF EXCAVATIONS AND TO BE REFILLED TO FORMATION LEVEL WITH THE SAME MATERIAL AS THE PERMANENT WORKS IN WHICH THEY REST.
 - ALL DRAINS TO BE LAID IN CLASS S GRANULAR BED AND SURROUND GENERALLY.
 - DRAINS UNDER THE BUILDING OR WITH A COVER OF LESS THAN 900MM TO BE LAID WITH A MINIMUM 150MM CLASS GEN 3 CONCRETE BED AND SURROUND. BENEATH A CARRIAGEWAY, THIS IS TO BE A COVER OF LESS THAN 1200MM.
 - ALL SURFACE WATER DRAINS ARE TO BE 225MM DIAMETER UNLESS NOTED OTHERWISE.
 - ALL SURFACE WATER DRAINS ARE TO BE LAID AT AGRADIENT OF 1:150 UNLESS NOTED OTHERWISE. REFER TO THE ENGINEER IF THE SITUATION DICTATES OTHERWISE.
 - FOR ACCURATE LAYOUT AND SIZES OF ALL THROUGH SLAB DRAINAGE OUTLETS WITHIN THE BUILDING, PLEASE REFER TO ALL RELEVANT M&E BUILDING SERVICES / ARCHITECTS DRAWINGS.
 - ALL ACCESS FITTINGS AND ROAD GULLIES TO BE RODDABLE.
 - ON COMPLETION OF THE WORKS, ALL SURFACE WATER AND FOUL WATER DRAINAGE SHOULD BE CCTV SURVEYED.
 - ALL UNDERGROUND DRAINS SHOULD BE MARKED WITH TAPE INCORPORATING A STAINLESS STEEL WIRE TO AID DETECTION.
 - ALL FOUL DRAINS ARE TO BE 150MM DIAMETER UNLESS NOTED OTHERWISE.
 - ALL FOUL DRAINS TO BE LAID AT A GRADIENT OF 1:80 UNLESS NOTED OTHERWISE. REFER TO THE ENGINEER IF THE SITUATION DICTATES OTHERWISE.
 - POSITIONS OF POP-UP'S AND SVP'S WITHIN THE BUILDING ARE TO BE DETERMINED BY THE ARCHITECT / M&E ENGINEER.
 - ALL UNDERGROUND DRAINAGE SHOULD BE SUITABLY VENTED AT OR NEAR TO THE END OF RUNS (REFER TO M&E ENGINEERS ABOVE GROUND DRAINAGE DETAILS).
 - ALL PROPOSED SURFACE WATER AND FOUL WATER MANHOLES HAVE BEEN COORDINATED USING THE TOPOGRAPHICAL SURVEY.
 - ANTI-RODENT PROTECTION SHALL BE PROVIDED AT THE BASE OF ALL STACKS WITHIN THE BUILDING AS PART OF THE DRAINAGE PIPEWORK BELOW GROUND.
 - ALL EXISTING DRAINAGE TO BE ABANDONED SHALL BE GRUBBED UP OR SEALED BY CAPPING ALL ENDS / CONNECTIONS AND FILLING THE RETAINING VOID WITH GROUT IN ACCORDANCE WITH CESWI.
 - SEWERS MUST HAVE A 5M CLEARANCE FROM TREES AND HEDGES OR HAVE SUITABLE ROOT PROTECTION IN ACCORDANCE WITH SFA REQUIREMENTS.
 - ALL INTERNAL COVERS TO HAVE A MECHANICALLY JOINTED AND DOUBLE SEALED WITH RECESSED TRAY TO ALLOW FOR FINISHED.
 - ALL INTERNAL COVERS IN BLOCK / SAB AND EXTERNAL PAVING AREAS TO HAVE RECESSED COVERS OF THE APPROPRIATE GRADE TO ACCEPT ARCHITECTS PAVING PROPOSALS.
 - UNLESS NOTED OTHERWISE IN THE MANHOLE SCHEDULE, ALL MANHOLE, GULLY AND CHANNEL COVERS (IRONWORK) SHOULD BE TO THE FOLLOWING SPECIFICATION
 - B125 LOAD CLASS IN PEDESTRIAN AREAS.
 - D400 LOAD CLASS IN VEHICULAR AREAS.
 - LEVELS TO FALL AWAY FROM BUILDINGS WHERE POSSIBLE. SHOULD THIS NOT BE ACHIEVABLE, LINEAR DRAINAGE WILL BE REQUIRED AT DOOR LOCATIONS.
 - EXTERNAL LEVELS TO BE CONFIRMED. COVER LEVELS ARE INDICATIVE OF THE FINAL LEVEL DESIGN.

PRELIMINARY ISSUE

KEY

- RED LINE BOUNDARY
- FLOOD ROUTING DIRECTION OF FLOW
- MAJOR CONTOUR
- MINOR CONTOUR

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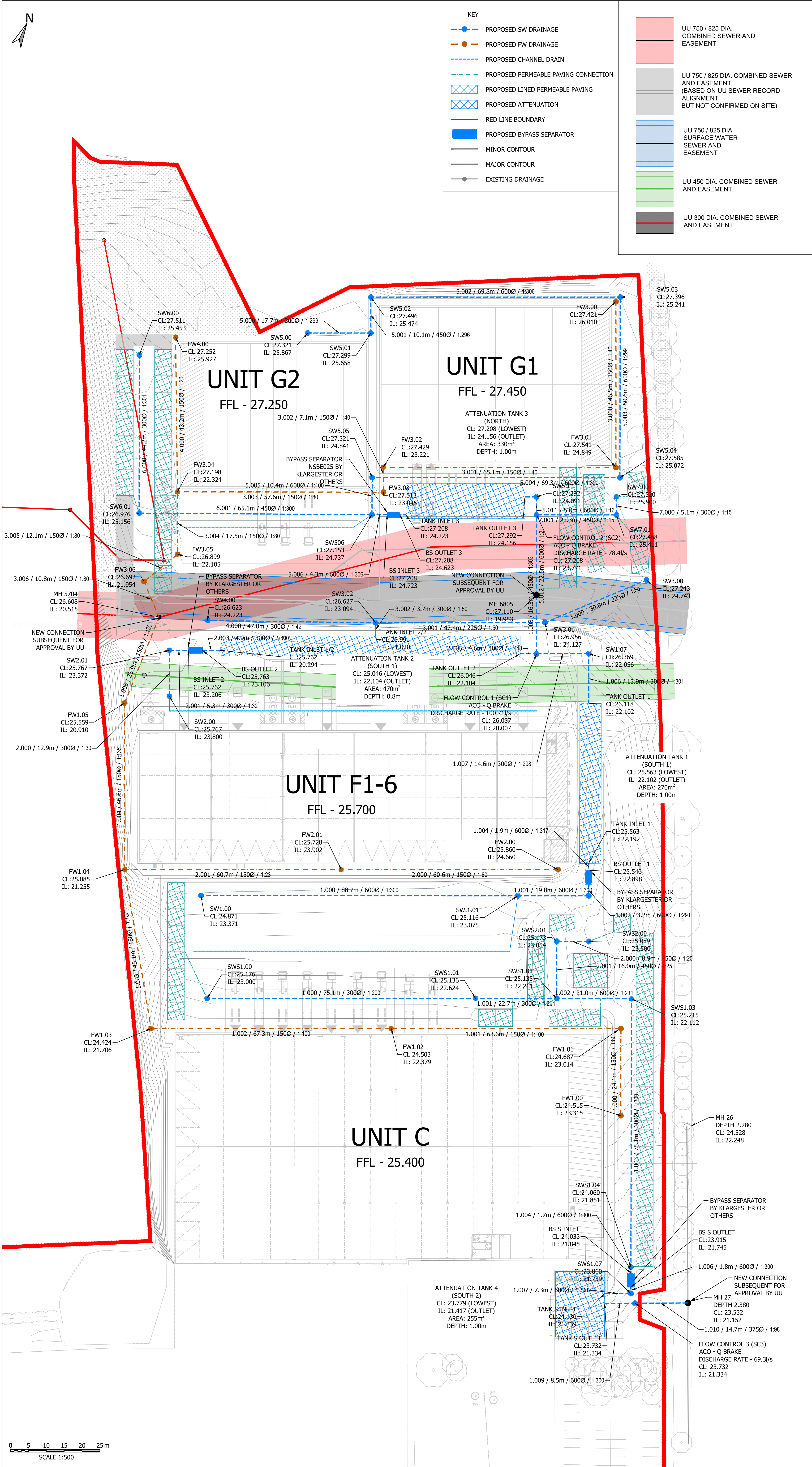
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APPENDIX F – DRAINAGE GENERAL ARRANGEMENT



- NOTES**
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 - ALL ADAPTABLE DRAINAGE WORKS INCLUDING WORKS TO THE EXISTING PUBLIC SEWERS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH 'CODES FOR ADOPTION AND CONSTRUCTED TO THE RELEVANT STATUTORY UNDERTAKERS DETAILS.
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 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERS SPECIFICATION.
 - EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS AND, WHERE NECESSARY, PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORK.
 - THE CONTRACTOR MAY WISH TO SURVEY ALL EXISTING DRAINAGE PRIOR TO COMMENCEMENT TO CONFIRM THE LOCATION AND CONDITION OF EXISTING DRAINAGE. POTENTIAL PRE-CLEANSING TO BE UNDERTAKEN IN ORDER TO FACILITATE SURVEY IF REQUIRED.
 - ALL SOFT SPOTS TO BE REMOVED FROM THE BOTTOM OF EXCAVATIONS AND TO BE REFILLED TO FORMATION LEVEL WITH THE SAME MATERIAL AS THE PERMANENT WORKS IN WHICH THEY REST.
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 - ALL CROSSINGS WILL COMPLY TO UU TERMS AND CONDITIONS SUBJECT TO DETAIL DESIGN

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