



ATTENUATION MATRIX			
	PHASE 1 (m <sup>3</sup> )	PHASE 2 (m <sup>3</sup> )	TOTAL
OPEN ATTENUATION	3767	00	3767
BELOW ATTENUATION	2560.9	923.4	3484.3

- NOTES**
- THE WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING SPECIFICATION.
  - THE LOCATION LINE & LEVEL OF ALL KNOWN EXISTING DRAINAGE WORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LINE AND LEVEL BY WAY OF HAND INDICATED TRAIL PITS. PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE, THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASUREMENTS AND MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE INSTALLATIONS.
  - THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THROUGHOUT THE DURATION OF THE CONTRACT A FULL TRAFFIC MANAGEMENT SYSTEM TO ENSURE SAFE PASSAGE OF VEHICLES/PEDESTRIANS IN THE VICINITY OF THE WORKS. ALL TRAFFIC SIGNS, SIGNALS, BARRIERS ETC. SHALL BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
  - THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR SEALING WITH AND DISPOSING OF GROUND/SURFACE WATER ENCOUNTERED DURING EXCAVATIONS.
  - ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REGENERATED FOLLOWING THE INSTALLATION OF ALL DRAINAGE WORKS. ALL SURFACE MARKINGS AFFECTED BY THE WORKS SHALL BE FULLY REGENERATED.
  - ALL SURPLUS EXCAVATED MATERIAL SHALL BE DEPOSITED IN A DESIGNATED AREA ON SITE.
  - UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL PROVIDE AS BUILT SETTING OUT CO-ORDINATE AND LEVEL INFORMATION.
  - PROVISION WITH LESS THAN 750mm OF COVER IN TRAFFIC/AED AREA TO BE CONCRETE ENCASED. (REGIONS CLASS 2)
  - PROVISION WITH MORE THAN 750mm OF COVER TO HAVE CLASS 5 GRANULAR BED AND SURROUNDING.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S, ENGINEERS AND SPECIALIST'S DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE. DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING. ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT IN WRITING.
  - THIS DRAWING IS THE COPYRIGHT OF TIER CONSULT LTD AND CANNOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM THE COMPANY.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S, ENGINEERS AND SPECIALIST'S DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.
  - ALL DIMENSIONS ARE TO BE GIVEN UNLESS OTHERWISE STATED. DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING. ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT IN WRITING.
  - THIS DRAWING IS THE COPYRIGHT OF TIER CONSULT LTD AND CANNOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM THE COMPANY.
  - ALL LEVELS ARE IN METRES UNO & TO OS DATUM.

- Legend**
- PROPOSED SURFACE WATER DRAINAGE (TYPICALLY 1500 UNO.)
  - PROPOSED SURFACE WATER PRECAST CONCRETE MANHOLE.
  - SIP PROPOSED SIPHONIC DOWNSPOUT
  - RWP PROPOSED RAINWATER DOWNSPOUT
  - SU PROPOSED DRAINAGE CHANNEL (TYPE AS NOTED) WITH SUMP OUTLET.
  - RG PROPOSED TRAPPED ROAD GULLY
  - PROPOSED SURFACE WATER PERMEABLE SURFACING FULLY TANKED WITH COLLECTING PERFORATED FILTER DRAIN AND 300mm THICK SUB-BASE DFT TYPE 3.
  - PROPOSED SURFACE WATER CELLULAR ATTENUATION (STORAGE VOLUMES AS NOTED).
  - PROPOSED ROUTE WATERCOURSE DIVERSION.
  - PROPOSED SURFACE WATER DRAINAGE SWALES.
  - PROPOSED FOUO PRECAST CONCRETE MANHOLE.
  - PROPOSED FOUO POLYPROPYLENE INSPECTION CHAMBERS.
  - SVP PROPOSED SOIL VENT PIPE
  - SS PROPOSED SUB STACK
  - FO/FO PROPOSED FOUL OUTLET
  - SG PROPOSED SHOWER GULLY/CHANNEL OUTLET
  - APPROX. ROUTE OF EXISTING PUBLIC SEWER FOUO RISING MAIN
  - PROPOSED DIVERTED PUBLIC SEWER FOUO RISING MAIN
  - PROPOSED FOUO RISING MAIN
  - REDLINE BOUNDARY

- NOTES**
- SIPHONIC DOWNSPOUT LOCATIONS AND SIZES ARE SUBJECT TO CONFIRMATION FROM THE ARCHITECT/SPECIALIST CONSULTANTS.
  - FOUL OUTLET LOCATIONS ARE SUBJECT TO CONFIRMATION FROM THE ARCHITECT/ME CONSULTANT.

P20 06.10.23 DRL Issued for Planning DRL

Rev	Date	Description	Appd
1			

Revisions

Drawn

**PLANNING**

**TIER**

Tier Consult Ltd.  
Unit 5 Office Village  
Sandpiper Court  
Chester Business Park  
Chester | CH4 9QZ  
t: 01244 684900

Client  
**TRITAX SYMMETRY**

Project  
**SYMMETRY PARK, OXFORD**

Title  
**PROPOSED DRAINAGE LAYOUT PLANNING**

Scale	Drawn	RIBA Workstage	Revision
1:500@A0	DRL	3	
1:500	Chk'd	5	
Sep21	PJB	S3	P20

Drawing Ref  
Project ref: sp01-tier-300-bg-d-c-5103

**SP01-TIER-300-BG-D-C-5103**