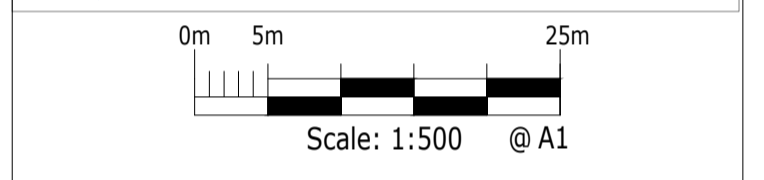


- NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION, INC. RISK ASSESSMENTS AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
  - DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
  - ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
  - ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
  - NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
  - ANY WORKS OUTSIDE RED SITE BOUNDARY ARE FOR INFORMATION PURPOSES ONLY. UNLESS SPECIFICALLY NOTED, ALL WORKS OUTSIDE THE SITE BOUNDARY WILL BE UNDERTAKEN BY OTHERS UNDER A SEPARATE CONTRACT.

INFORMATION SUMMARY			
INFORMATION TYPE	SOURCE	REFERENCE	REVISION & DATE
SITE LAYOUT	PEGASUS	P24-2204-DE-003-A-01	18/02/25 Rev. -
TOPOGRAPHICAL SURVEY	ANTHONY BROOKS SURVEYS LTD	B452/13367/1 B	Oct 24 Rev. -

- KEY
- SITE BOUNDARY
  - PROPOSED SURFACE WATER SEWER
  - PROPOSED FOUL WATER SEWER
  - PROPOSED FOUL WATER RISING MAIN
  - EXISTING FOUL WATER SEWER & MANHOLE
  - EXISTING SURFACE WATER SEWER & MANHOLE
  - PROPOSED DETENTION (DRY) BASIN
  - PROPOSED RETENTION (WET) BASIN
  - PROPOSED GENERAL AREA OF PERMEABLE PAVING
  - PROPOSED GENERAL AREA OF SWALE OR BIO-RETENTION
  - EXCEEDANCE FLOW ROUTE



Rev	Description	Drn	Chk	App	Date
C	CONNECTION TO WATERCOURSE VIA OXHEY LANE	NC	JC	SM	18.12.25
B	SE BASIN PERMANENT WATER AREA ADDED	NC	JC	DM	30.10.25
A	UPDATED FURTHER TO LFLA COMMENTS	TP	NC	DM	17.09.25
	ISSUED FOR PLANNING	TP	NC	DM	25.03.25

Purpose: PRELIMINARY Status: NOT YET APPROVED

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SSIP

Client: **BURLINGTON GROUP**

Project Title: **CARPENDERS PARK, WATFORD WD19**

Drawing Title: **DRAINAGE STRATEGY (SHEET 2)**

Drawn by	Checked by	Approved by	Revision
TP	NC	DM	C
A1 Scale		Date	
1:500		12.03.25	

Drawing Number: **2403160-ACE-XX-XX-DR-C-0602**

END OF LINE ATTENUATION VOLUME  
DEVELOPMENT AREA = 0.80ha  
IMPERMEABLE AREA ASSUMED = 0.53ha  
PERMITTED DISCHARGE RATE (5.69m³/hr) = 4.6l/s  
PROPOSED DISCHARGE RATE (INCREASED WITH REDUCED FROM SOUTHWEST FLOW CONTROL) = 6.2l/s  
APPROX. ATTENUATION VOLUME REQUIRED = 348m³

BASIN VOLUME AS DRAWN  
BASE AREA = 130m²  
100-YEAR FLOOD WATER LEVEL AREA = 437m²  
TOP OF BANK AREA = 509m²  
DEPTH FROM BASE = 1.5m  
DESIGN VOLUME OF BASIN = 370m³  
TOTAL VOLUME OF BASIN = 510m³

END OF LINE ATTENUATION VOLUME  
DEVELOPMENT AREA = 3.50ha  
IMPERMEABLE AREA ASSUMED = 2.78ha  
PERMITTED DISCHARGE RATE (5.69m³/hr) = 22.3l/s  
PROPOSED DISCHARGE RATE (INCREASED WITH ADDITIONAL FROM SOUTHWEST FLOW CONTROL) = 25.5l/s  
APPROX. ATTENUATION VOLUME REQUIRED = 2,028m³

BASIN VOLUME AS DRAWN  
BASE AREA = 1,270m²  
PERMANENT WATER AREA = 1,565m²  
100-YEAR FLOOD WATER LEVEL AREA = 2,147m²  
TOP OF BANK AREA = 2,375m²  
DEPTH FROM PERMANENT WATER LEVEL = 1.5m  
DESIGN VOLUME OF BASIN = 2,249m³  
TOTAL VOLUME OF BASIN (FROM PERMANENT WATERS) = 2,934m³

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