



GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DESIGN BASED ON TOPOGRAPHICAL SURVEY AND CCTV SURVEY INFORMATION AVAILABLE AT THE TIME OF DESIGN.
- ALL EXISTING SEWERS, CONNECTIONS, PIPE SIZES AND INVERT LEVELS TO BE CONFIRMED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS TO ENSURE CONNECTIVITY. ANY VARIANCE FROM THE INFORMATION SHOWN SHOULD BE REPORTED TO THE ENGINEER FOR REVIEW.
- DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.
- WHERE EXISTING DRAINAGE IS BEING USED, ALLOWANCES SHOULD BE MADE TO REMEDIATE THIS DRAINAGE IN LINE WITH AVAILABLE CCTV SURVEY INFORMATION. IF NO SURVEY IS AVAILABLE, IT IS ADVISED TO OBTAIN ONE PRIOR TO COMMENCEMENT OF WORKS.
- ALL 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.
- ALL PIPE DIAMETERS GIVEN ARE NOMINAL INTERNAL PIPE DIAMETERS. THESE ARE TO BE CONFIRMED ONCE A DETAILED CAPACITY CHECK HAS BEEN UNDERTAKEN AT A LATER DESIGN STAGE.
- OUTFALL CONNECTION(S) SUBJECT TO AGREEMENT WITH THE APPROVING AUTHORITY.

DRAINAGE STRATEGY BASED ON THE PRINCIPLES OF THE FOLLOWING REPORTS:

- BICESTER OFFICE PARK FLOOD RISK ASSESSMENT BY BURO HAPPOLD (REF: 040031) DATED APRIL 2018
- BICESTER OFFICE PARK DRAINAGE STRATEGY BY BURO HAPPOLD (040031) DATED JULY 2017

ALLOWABLE GREENFIELD DISCHARGE RATES TO BE AGREED WITH THE LLFA.

DESIGN PHILOSOPHY
SURFACE WATER DESIGN
 THE DESIGN PROVIDES CAPACITY UP TO THE 100 YEAR 40% CLIMATE CHANGE EVENT.
 SW FLOW RATE: 5 L/S (BASED ON PRINCIPLES OF BURO HAPPOLD MASTERPLAN STRATEGY OF 9.47 l/s/ha) AND TO ACHIEVE A MINIMUM PRACTICAL THROTTLE TO REDUCE BLOCKAGE RISK.
 APPROXIMATE STORAGE REQUIREMENT: 180M³
 OUTFALL: TO EXISTING DITCH - LAND DRAINAGE CONSENT WILL BE REQUIRED. LEVELS INDICATE THAT PUMPING WILL NOT BE REQUIRED BUT LEVELS ARE SHALLOW AND PROTECTION MAY BE NECESSARY OVER PIPES/ATTENUATION TANK.
 POLLUTION TREATMENT: PERMEABLE PAVING
 SUSTAINABLE DRAINAGE: PERMEABLE PAVING
 INFILTRATION IS NOT CONSIDERED APPROPRIATE FOR THIS SCHEME.

P04	BASE LAYOUT UPDATED	09/11/23	JS	KOB
P03	NOTE UPDATED	14/09/23	HW	KOB
P02	NOTE UPDATED	22/06/23	HW	JM
P01	ISSUED FOR INFORMATION	16/06/23	CG	JM
Rev:	Description:	Date:	By:	Chkd:

Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
 0161 235 2354
 manchester@curtins.com
 www.curtins.com

Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
 Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kenton • Leeds • Liverpool • London • Manchester • Nottingham

INFORMATION

Project: LAKEVIEW DRIVE, BICESTER

Dwg Title: SUBSTATION DRAINAGE STRATEGY PLAN

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1 / A3	16/06/23	CG	CG	JM
Scale:	1:1250			
Project No:	Originator:	Volume:	Level:	Type:
082005 - CUR - 00 - XX - DR - C -				