

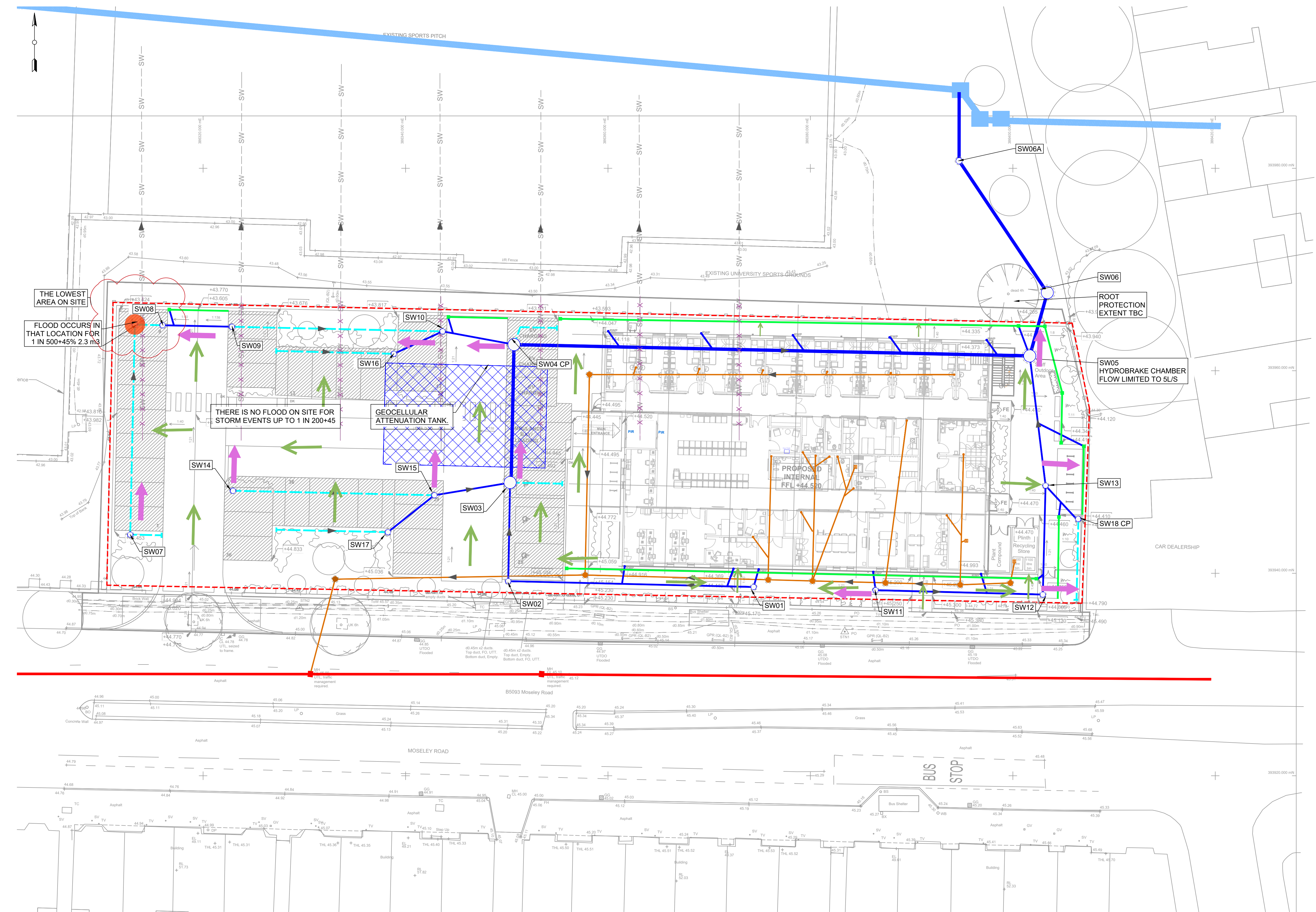
GENERAL NOTES:

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 AVAABLE AT THE TIME OF DESIGN.
- DO NOT SCALE THIS DRAWING. ALL DETAS AND DIMENSIONS ARE TO BE CHECKED BY THE CONTRACTOR. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
- ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.

KEY

- SITE BOUNDARY
- EXISTING COMBINED PUBLIC SEWER
- EXISTING CULVERTED WATERCOURSE
- PROPOSED FOUL DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED PERFORATED PIPE
- PROPOSED CHANNEL DRAIN
- INDICATIVE LOCATION OF EXISTING LAND DRAINS BASED ON DRAWING PROVIDE BY UNIVERSITY
- PROPOSED UNDERGROUND ATTENUATION STORAGE
- PROPOSED PERMEABLE ASPHALT
- LOCATION OF FLOODING WITHIN DRAINAGE NETWORK
- ROUTE OF OVERLAND FLOW FROM FLOOD POINT
- GENERAL FALLS



DESIGN PHOSPHY

SURFACE WATER DESIGN
THE DESIGN PROVIDES CAPACITY UP TO THE 100 YEAR + 45%
IMATE CHANGE EVENT.
SW FLOW RATE: 5 l/s (FLOW CALCULATED BASED ON
GREENFIELD RUNOFF RATE, INCREASED TO ACHIEVE MINIMUM
ORIFICE SIZE TO PREVENT BLOCKAGES)

ATTENUATION
APPROXIMATE STORAGE REQUIREMENT: 118m³ PROVIDED
WITHIN CELLULAR STORAGE.
ADDITIONAL STORAGE PROVIDED WITHIN PERMEABLE PAVING
AREAS

OUTFALL:
SITE DISCHARGES TO THE EXISTING 12000 WATERCOURSE IN
THE UNIVERSITY GROUNDS.

LAND DRAINAGE CONSENT IS REQUIRED FROM THE LLFA FOR
THE CONNECTION TO THE WATERCOURSE

SURCHARGED OUTFALL LEVEL TAKEN AS 43.43(1M ABOVE
SOFFIT LEVEL) - IN 1:30 STORM EVENT, AS CONFIRMED BY LLFA

PERMISSION REQUIRED FROM UNIVERSITY FOR THE
CONNECTION TO THE WATERCOURSE

POLLUTION TREATMENT/ SUSTAINABLE DRAINAGE:
THE CAR PARK DRAINAGE IS SERVED BY PERMEABLE PAVING
AREAS.
INFILTRATION IS NOT CONSIDERED APPROPRIATE FOR THIS
SCHEME.

FOUL WATER DESIGN

THE PEAK FLOW RATE HAS BEEN CALCULATED AS 1.7 l/s.
BASED ON AN ESTIMATED TOTAL OF 12.2 DISCHARGE UNITS.
FINAL DISCHARGE UNIT LOADING TBHC BY MEP ENGINEER.

OUTFALL:
SITE DISCHARGES TO THE EXISTING COMBINED SEWER IN
MOSELEY ROAD AT MANHOLE U02902.

THE DETA OF THE CONNECTION WL NEED TO BE AGREED WITH
UJ DUE TO THE DEPTH OF THE SEWER AT THIS LOCATION.

A S106 AGREEMENT IS REQUIRED WITH UNITED UTILITIES:

PART 1 BY CURTINS
PART 2 ASSUMED NOT REQUIRED AS CONNECTION IS
INDIRECT.
LEVELS INDICATE THAT PUMPING WL NOT BE REQUIRED.

DRAWING BASED ON:

TOPOGRAPHICAL SURVEY
74193MCUG-01 TOPOGRAPHICAL & GPR SURVEY DATED MARCH
2025
LAYER SURVEY TOPOGRAPHICAL SURVEY JULY 25

CCTV SURVEY

- S26205 CCTV SURVEY BY SEP DATED MAY/ AUGUST 25

ARCHITECT'S PLANS

- MCNMC-GDA-V1-S1-DR-A-1002 P07 PROPOSED SITE PLAN
- HMCNMC-GDA-V1-00-DR-A-1010 P07 PROPOSED GROUND
FLOOR PLAN

STRUCTURAL PLANS

- 087546-CUR-XX-FN-D-S-16001 P02 FOUNDATION GA
- 087546-CUR-XX-FN-D-S-16100 P02 SITE RETAINING WALL GA

SITE INVESTIGATION

- 087546-CUR-XX-XX-T-GE-00002 P01 PHASE 1 PRELIMINARY
RISK ASSESSMENT.

P01	ISSUED FOR INFORMATION	15/10/25	MW	MW
Rev:	Description:	Date:	By:	Chk:

Curtins

Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 235 2384
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 • Kendal • Leeds • Liverpool • London • Manchester • Nottingham

Status: **SUITABLE FOR AUTHORIZATION** **S4**

Project: **HAWTHORN MEDICAL CENTRE**

Orig Title: **FLOW EXCEEDANCE PLAN**

Drawn By: MW

Designed By: MW

Checked By: MW

Date: 28/04/25

Project No - Originator - Function - Spatial - Form - Discipline - Number

HMCNMC - CUR - ZZ - 00 - DR - C - 92501

P01

