



NOTES

GENERAL
 This drawing is to be read in conjunction with all relevant Engineers and Architects drawings.

For setting out refer to Architects drawings.

All dimensions are in millimetres and levels are in metres unless noted otherwise.

Contractor to take all relevant dimensions on site.

Any discrepancies to be advised to the Engineer.

Contractor to check/scan for services prior to construction to avoid any damage during works.

DRAINAGE
 Any information given on this drawing regarding existing services is believed to be correct.

The contractor must check this information and determine the nature and location of other existing services from the various statutory authorities before commencing excavation works.

Drainage works to be constructed in accordance with BSEN 752 and Approved Document H.

All soft spots and unacceptable material encountered in drainage excavations is to be removed and replaced with granular material to the requirements of the building control officer.

Pipes to be installed to manufacturers recommendations.

Pipes under buildings to be laid to a fall of 1:40 minimum unless noted otherwise.

Plastic plain wall pipes to be PVC-U to BS EN 1401-1, class SM4, with flexible joints, Kitemark certified. Structured wall plastic pipes to be WIS 04-35-01, Kitemark certified.

Clay pipes to be vitrified clay to BS EN 295-1, with flexible joints, Kitemark certified. Clayware pipes must be extra strength classification protected in accordance with the specified details.

Bedding of pipes to be in accordance with approved document H1.

Rocker pipes with flexible joints are to be provided at a distance of 150mm and 750mm from the face of construction to manholes, where pipes pass above, below or through ground beams or foundations; at gully connections and soil stack ends.

Manhole access covers are to be located at the outgoing side of manholes.

Cover levels are to be fixed on site to suit finished levels. Covers and frames to BS EN124, Grade D to be used in areas subject to heavy vehicular loading, Grade C in areas subject to light vehicular loading and Grade B to be used elsewhere.

REV.	DESCRIPTION	DATE	DRW.	CHK.
C03	Drainage realigned, ACO channel types added	28/07/2023	MG	ABS
C02	Redesign due to contour change	27/06/2023	MG	ABS
C01	Discharge relocated	25/05/2023	MG	JHS
P02	Drawing number corrected	03/01/2022	MG	ABS
P01	First issue	22/12/2022	MG	ABS

LEGEND

- WASP vortex flow control chamber restricted to 5 l/s
- Controflow chamber
- WASP catchpit chamber
- Drainage pipe Ø150
- ACO PD100D - 10.0 drainage channel
- ACO PD100D - 30.0 drainage channel
- Diffuser conduit 355mm wide x 150mm deep
- AB Access Unit
- OU Sump Outlet
- Formavoid & type 3 attenuation layer 210mm thk
- Checkdam
- Full retention separator

NHS Manchester University NHS Foundation Trust

Sel Environmental Ltd
 Real Innovation
 SEL Environmental Ltd
 Canal House
 Bonsall Street
 Blackburn
 BB2 4DD
 Tel: 01254 589987
 www.sel.co.uk

PROJECT
 North Manchester General Hospital

TITLE
 Car Park 26 Northern Section
 Surface Water Drainage Layout

STATUS S4	PURPOSE OF ISSUE For Construction	
DRAWN BY MG	CHECKED BY ABS	DATE 20/12/2022
SCALE (@A1) NTS	PROJECT NUMBER 20200 Car Park 26	
FILE DRAWING NUMBER 20200-SEL-NM110-XX-DR-Y-0050		REV. C03