LEGEND

- RWP ● — Rainwater downpipe location
- RWP outlet comprising catchpit chamber and permavoid diffuser
- Permavoid converyance and diffuser conduit
- WASP vortex flow control chamber restricted to 5 l/s
- WASP catchpit chamber
- Drainage pipe Ønoted
- PD100D — ACO PD100D drainage channel
- AB ■ — Access Unit
- OU ■ — Sump Outlet
- Formavoid & type 3 attenuation layer 250mm thk minimum 310m³ of storage
- Type 3 attenuation layer 210mm thk minimum 10m³ of storage

For external drainage and land drain please refer to
Drawing 20200-CUR-NM110-EX-DR-D-7511 Proposed Drainage Layout

CONNECTION TO PUMP HOUSE
DRAINAGE SUMP TO ACCEPT
100 L/MIN FOR 10MIN DISCHARGE

S1 FLOW CONTROL CHAMBER
VORTEX DEVICE
RESTRICTED TO 5 l/s
CL71.933
IL70.792 INLET
IL70.683 OUTLET
IL70.373 SUMP

FULL RETENTION SEPARATOR
CNS6s/11 OR SIMILAR
BASED ON 5 l/s DISCHARGE
CL71.906
IL70.652 INLET
IL70.599 OUTLET
IL69.411 BASE

Ex. Sewer
MH C01
CL 71.600
IL 69.100 Ø300
IL 69.250 Ø150

RWP-01 · RWP-02 · RWP-03 · RWP-04 · RWP-05 · RWP-06 · RWP-07 · RWP-08 · RWP-09 · RWP-10 · RWP-11 · RWP-12 · RWP-13

S2 SUDS02008
CL72.237
IL71.700 INLET
IL71.275 ORIFICE
IL71.128 OUTLET
IL70.978 SUMP

S3 CL72.102 IL71.700 IL71.400 SUMP
S4 CL72.089 IL71.700 IL71.400 SUMP
S5 CL72.093 IL71.700 IL71.400 SUMP
S6 CL72.104 IL71.700 IL71.400 SUMP
S7 CL72.075 IL71.700 IL71.400 SUMP
S8 CL72.128 IL71.700 IL71.400 SUMP
S9 CL72.096 IL71.700 IL71.400 SUMP
S10 CL72.073 IL71.700 IL71.400 SUMP
S11 CL72.508 IL72.043 IL71.743 SUMP
S12 CL72.408 IL72.043 IL71.743 SUMP
S13 CL72.090 IL71.700 IL 71.400 SUMP
S14 CL72.092 IL71.700 IL71.400 SUMP
S15 CL72.094 IL71.700 IL71.400 SUMP
S16 CL72.000 IL71.715 IL71.415 SUMP
S16a CL72.095 IL71.715 IL71.415 SUMP
S17 CL72.400 IL71.76 IL71.46 SUMP
S18 CL72.279 IL71.700 IL71.400 SUMP
S19 CL72.313 IL71.747 IL71.447 SUMP
S20 CL72.171 IL71.366
S21 CL72.066 IL71.313
S22 CL72.077 IL71.233
S23 CL72.202 IL71.438
S25 CL72.340 IL71.730 IL71.430 SUMP

CONDUIT CL72.010 IL71.715
CONDUIT CL72.340 IL71.700
CONDUIT CL72.22 IL71.73
CONDUIT CL72.24 IL71.715

RWP from external canopy (×2)

+72.260 · +72.340 · +72.305 · +72.245 · +72.200 · +71.750 · +71.760 · +72.010 · +73.060 · +72.745 · +73.660 · +73.690 · +72.120 · +72.260 · +72.260 · +72.260 · +72.260 · +72.135 · +72.145 · +72.127 · +72.117 · +72.000 · +72.000 · +71.985 · +72.059

PD100D · AB · OU · 150Ø · 150Ø · 150Ø · 150Ø · 150Ø · 150Ø · 150Ø · CNS6s/11

All walls to be 250 thk

SUE STATION TRENCHING
Allow for 250thk RC base slab with 250thk RC Trench Walls

0 5 10 15

REV.	DESCRIPTION	DATE	DRW.	CHK.
C07	Construction Record	04/08/23	MG	JS
C06	Level information updated	20/06/23	MG	JS
C05	Sewer connection repositioned	26/05/23	MG	JS
C04	Conduit serving RWP06 and RWP to external canopy G/L 4A relocated	31/01/23	MG	JS
C03	Canopy rwp relocated G/L 2B	19/10/22	MG	JS
C02	New gully added to sprinkler compound, 2 rwp connections added to external canopies, final sewer connection status changed to temporary	19/10/22	MG	JS
C01	Curtins drainage removed, status updated	18/10/22	MG	JS
P03	S2, S1 & Separator levels adjusted	30/07/22	MG	JS
P02	Diffuser locations altered to suit new RWP positions	21/05/22	MG	JS
P01	First issue	16/05/22	MG	JS

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 BS EN 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 SN4, with flexible joints, Kitemark certified. Structured wall plastic pipes to be to 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.

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PROJECT
North Manchester General Hospital

TITLE
MSCP Surface Water Drainage Layout

STATUS	PURPOSE OF ISSUE
CR	Construction Record

DRAWN BY	CHECKED BY	DATE
MG	JS	16/05/2022

SCALE (@A1)	PROJECT NUMBER
NTS	20200 MSCP

FILE DRAWING NUMBER	REV.
20200-SEL-NM110-EX-DR-Y-0010	C07