

Notes:

1. This drawing is to be read in conjunction with all relevant drawings, specifications and documentation.
2. The position, size and levels of all drains are to be confirmed on site prior to the commencement of the works and any discrepancies reported immediately to the Engineer.
3. Do not scale from this drawing, work to dimensions or co-ordinates provided. All levels are in metres and all dimensions are in millimetres, unless otherwise noted.
4. The Contractor shall allow for the protection, temporary and permanent support and diversion works as necessary, to all existing services to the satisfaction of the public utilities.
5. The Contractor shall allow for dealing with surface water run-off into excavations and from groundwater by means of sumps, pumping and de-watering as appropriate, in order to keep the excavation as reasonably dry as possible during the construction of the works.
6. Any gradients of drains indicated are indicative only and the Contractor shall install the drains to the specified levels shown for each manhole (U.N.O). Catchpit invert levels are for the outgoing pipe with the sump level specified separately.
7. Co-ordinate setting out information for manholes is to the intersection the drains and not the centre of the manhole.
8. Cover levels of the manholes are provisional and subject to adjustment on site to suit the finished ground levels. All external works construction areas to be as located by the architect.
9. Positions and sizes of above ground foul and surface water drainage connections are to be confirmed prior to construction with the Architect and M&E Engineer.
10. Diameter of PCC manholes varies with pipe size, and is to be in accordance with the tables shown on the accompanying Hydrock Standard Details drawings.
11. Channels are to be sized by the supplier and approved by the Engineer in writing prior to ordering. Drainage channels to be installed to manufacturers' requirements. Design of channels shall be based on a 1 in 30 year storm return period, 15 minute duration.
12. All works are assumed to be within public highway or within land owners lands & no works are required on third party land owners property.
13. Design assumes that no water authority sewers or other drainage systems require modification, diversion or abandoning.
14. All works within the public highway to be reinstated to highway authority requirements.
15. No deep rooting trees/vegetation should be planted within 5.0m of any drainage works.
16. All WPC's, SRWP's and RWP's are shown indicatively. Locations shall be confirmed by others.
17. All manholes less than 1.5m deep are considered as none man entry and shall be maintained from ground level.
18. Rainwater downpipe locations in abeyance.

Notes:

1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Project Manager for verification. Figured dimensions only are to be taken from this drawing.
2. This drawing is to be read in conjunction with all relevant Contract Issue drawings and specifications.
3. Finer details may vary subject to detailed design, such as location of linear drainage, exact positioning of pipes and manholes.

Key:

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Proposed Combined Drainage
- Proposed Filter Drain Type K to HCD F2
- Existing Combined Drainage
- Existing Private Drainage to be Abandoned
- Drainage Channel ACO Multidrain M150PPD with Heelguard Slotted Ductile Iron Grating

C14	13.04.23	Drainage channel information added	CF	NB
C13	11.04.23	Drainage amended to match as-built, Drainage channel information added	CF	NB
C12	15.02.22	Drainage amended to match as-built	CF	NB
C11	12.01.22	Addition of CPSW2a, invert levels amended to match as-built	CF	NB
C10	15.12.21	Pop-ups amended to match arch. layout	CF	NB
C09	09.12.21	Minor Amendments	SJ	CF
C08	26.11.21	Floor gullies amended	SJ	CF
C07	09.11.21	MHSW2 to CP, tail sizes added	SJ	CF
C06	11.10.21	Architect's layout updated.	SJ	CF
C05	15.09.21	Architect's layout updated. 5 no. floor gullies added	SJ	CF
C04	13.09.21	MHSW1 changed to PPIC. Addition of PPICSW1 & PPICSW2. Manholes adjusted to avoid pilecaps	SJ	CF
C03	02.09.21	Attenuation tank updated. Manholes adjusted to avoid existing substation	SJ	CF
C02	20.07.21	Attenuation tank updated	SJ	CF
C01	02.07.21	Issued for construction	SJ	CF
P08	01.07.21	Updated in line with contractor comments	SJ	CF
P07	22.06.21	Pop-ups updated	SJ	CF
P06	05.05.21	Manhole connection updated. Pop-ups updated	BP	NB
P05	04.02.21	Pop up SS-01 removed. MHCB1 adjusted	ME	NB
P04	26.01.21	Outfall Connection amended	BP	NB
P03	11.12.20	Drainage amended to suit pop-up locations	CF	NB
Rev	Date	Description	By	Ckd

Architect :

Ryder

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Client :

WATERSIDE
PLACES

Project Title:

ISLINGTON WHARF - PHASE 4
MANCHESTER

Drawing Title:

DRAINAGE LAYOUT

Drawing Status:

CONSTRUCTION

Hydrock Job No:

C10042

Drawn	Checked	Scale @ A1	Date	Issue Date
BP	NB	1:100	09.10.2020	09.10.2020

Drawing Number:	Revision:
IW4-HYD-XX-XX-DR-C-0210	C14

SAFETY, HEALTH AND
ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

CONSTRUCTION

MAINTENANCE / CLEANING

DECOMMISSIONING / DEMOLITION

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT

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