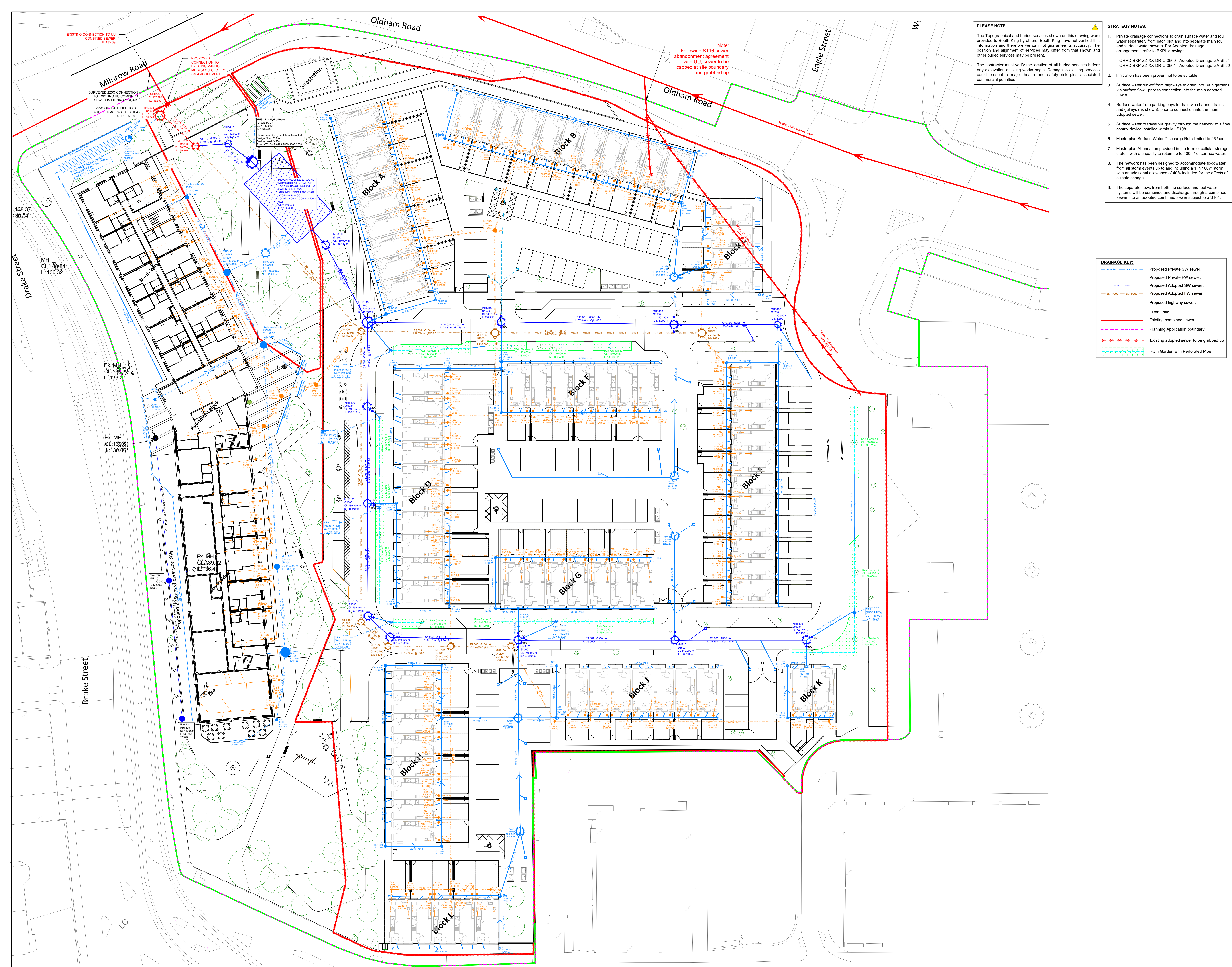




PLEASE NOTE

The Topographical and buried services shown on this drawing were provided to Booth King by others. Booth King have not verified this information and therefore we can not guarantee its accuracy. The position and alignment of services may differ from that shown and other buried services may be present.

The contractor must verify the location of all buried services before any excavation or piling works begin. Damage to existing services could present a major health and safety risk plus associated commercial penalties.

STRATEGY NOTES:

- Private drainage connections to drain surface water and foul water separately from each plot and into separate main foul and surface water sewers. For Adopted drainage arrangements refer to BKP/L drawings.
- Infiltration has been proven not to be suitable.
- Surface water run-off from highways to drain into Rain gardens via surface flow, prior to connection into the main adopted sewer.
- Surface water from parking bays to drain via channel drains and gullies (as shown), prior to connection into the main adopted sewer.
- Surface water to travel via gravity through the network to a flow control device installed within MHS108.
- Masterplan Surface Water Discharge Rate limited to 25l/sec.
- Masterplan Attenuation provided in the form of cellular storage crates, with a capacity to retain up to 400m³ of surface water.
- The network has been designed to accommodate floodwater from all storm events up to and including a 1 in 100yr storm, with an additional allowance of 40% included for the effects of climate change.
- The separate flows from both the surface and foul water systems will be combined and discharge through a combined sewer into an adopted combined sewer subject to a S104.

DRAINAGE KEY:

- Proposed Private SW sewer.
- Proposed Private FW sewer.
- Proposed Adopted SW sewer.
- Proposed Adopted FW sewer.
- Proposed highway sewer.
- Filter Drain
- Existing combined sewer.
- Planning Application boundary.
- Existing adopted sewer to be grubbed up.
- Rain Garden with Perforated Pipe

NOTES:

- Do not scale from this drawing.
- This drawing is copyright and is sent to you in confidence. It must not be copied, used or disclosed, in whole or in part, to third parties without written permission. It remains the property of Booth King Partnership Ltd (BKPL) and must be returned on request.
- This drawing is to be read in conjunction with all relevant contractual documents.
- Anyone using this drawing must be aware of their legal duties under the CDM Regulations 2015, refer to the HSE website for further information. BKPL are not Principal Designers.
- All dimensions shown on this drawing are in millimeters unless noted otherwise.
- If the Contractor consider that they do not have sufficient information to safely complete the works detailed on this drawing, they should contact the Engineer.
- This document uses revision codes in accordance with ISO EN 19650: P - Preliminary (non-contractual), review, comment or approval. C - Contractual - Approved for stage completion.
- This document uses status codes in accordance with ISO EN 19650: Work in progress. S0 - WIP. Shared (non-contractual). S1 - Coordination, S2 - Information, S3 - Review, S4 & S5 - Approval. Published (contractual). A1, A2, etc. (where 'n' relates to the project stage).
- This document uses project stages in accordance with the IStructE Structural Plan of Work 2020. 2 - Concept, 3 - Coordination, 4 - Technical Design, 4.5 - Production Design, 5 - Construction, 6 - Handover.
- Only documents with a revision code Cn (where 'n' relates to a revision number) and status code A4 or A5 are suitable for construction. Any deviations to that which is on site is not the liability of BKPL.

DRAINAGE NOTES:

- All adoptable works to be in accordance with 'Design Guidance for Sewers' and United Utilities standard details.
- All manhole cover levels to be confirmed by Landscape Architect.
- Plastic pipes (PVC-U) to be flexibly jointed and comply with the requirements of BS EN 1401-1 1998.
- Unit final surface is placed, heavy traffic is not to be allowed over pipe trenches without special precautions.
- Pipes and fittings are to be laid in accordance with the manufacturers recommendations.
- All Manholes should be concrete manhole rings unless stated.
- All ICS to be PPIC 4750.
- All SVP positions TBC and set out by Architect.
- For setting out of all pop-up positions refer to MEP and Architectural GA and details.
- Civil engineering contractor to arrange for:
 - a) Own services and temporary supplies
 - b) Pathway & partial closure as deemed required by their method statement, including costs.
 - c) Temporary adequate over pumping as deemed required by civil engineers method of construction.
- Type 2 rodding access is to be provided at all pop-ups. Design and detail by others.
- Protection to drains and gully connections may be concrete bed surround between cover depths of 450mm to 200mm.
- The contractor should confirm the locations of existing services prior to construction.

P08	24.11.25	Updated to suit revised outfall	CM
P07	22.10.25	Issued for Pricing	JDE
P06	10.10.25	Issued to suit VE Design	JDE
P05	27.08.25	Rain Gardens introduced to suit LLFA comments	JDE
P04	15.08.25	Stage 4 issued to reflect Phased Masterplan	JDE
P03	12.02.25	Phase 1 updated and issued for tender	EZ
P02	10.02.25	Phase 1 drainage introduced, layout re-designed accordingly	EZ
P01	07.02.25	Phase 1 drainage introduced, layout re-designed accordingly	EZ
REV.	DATE	REVISION DETAILS	INITIALS
CURRENT DRAWING REVISION CHECKED BY			RS
CURRENT DRAWING REVISION APPROVED BY			RS
DRAWING STATUS:		PROJECT STAGE:	
S4		Stage 4	

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PROJECT:
Oldham Road,
Rochdale Development

TITLE:
Drainage GA
Masterplan

SCALE (A0) AUTHOR DATE REVISION BKPL No.
1:250 EZ Feb'25 P08 14251

DRAWING REF:
ORRD-BKP-ZZ-XX-DR-C-00560