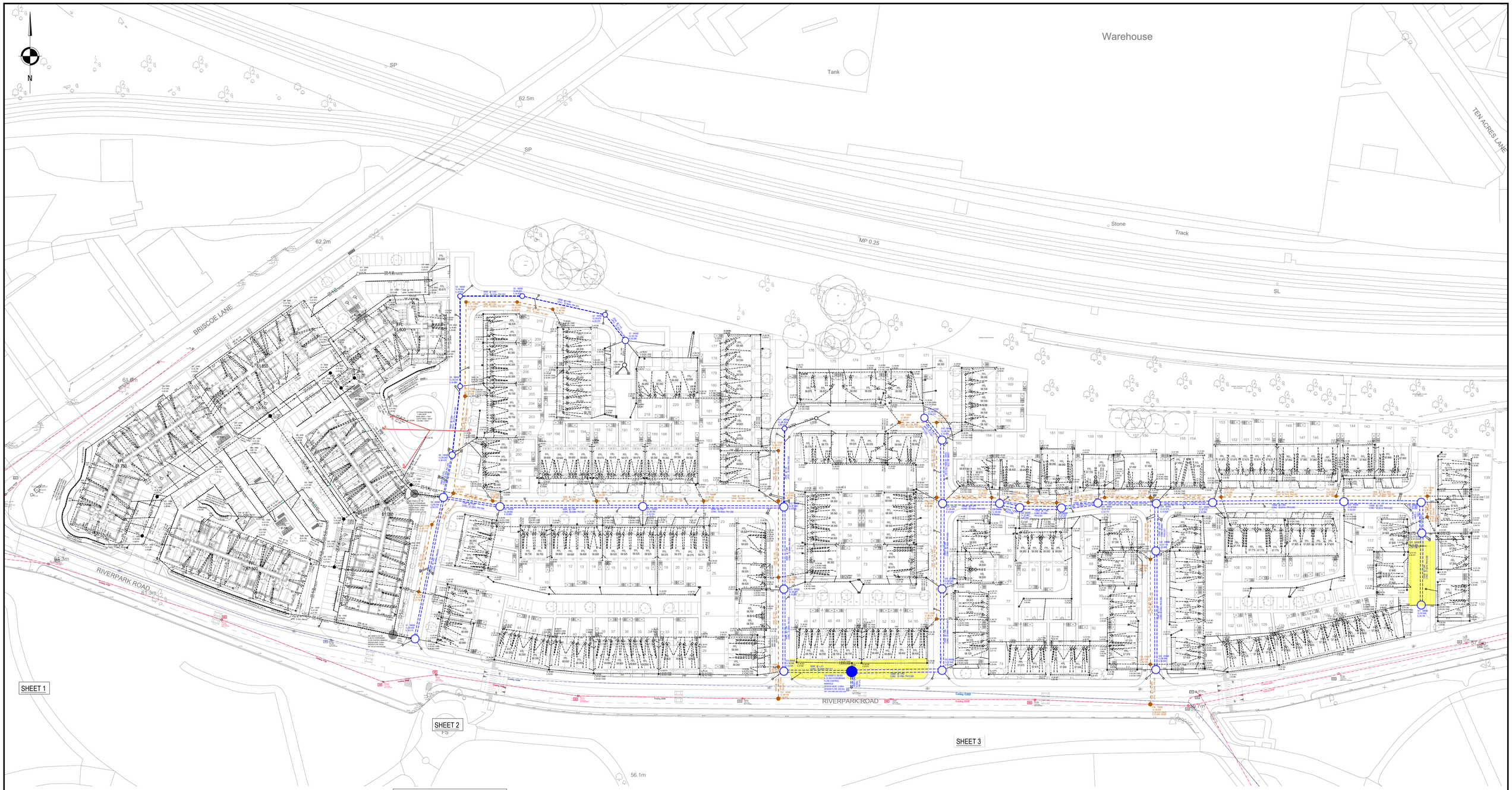


GENERAL NOTES

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND UNITED UTILITIES DETAILS & GUIDELINES.
3. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES
5. THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES
6. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
7. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
8. ALL METERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
9. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
10. WHERE "ULTRA RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
11. A CLASS S BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1m OF HIGHWAY SHALL AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL.4.3.4.
12. SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
13. 1. DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110mm U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

	FOUL	S.W.
HEAD RUN	1 IN 40	1 IN 60
ELSEWHERE	1 IN 80	1 IN 100

14. ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED UPVC UNLESS NOTED OTHERWISE
15. MINIMUM COVER TO DRAINAGE SOFFIT LEVEL;

LANDSCAPING	TRAFFICKED AREAS	HIGHWAYS
0.600m	0.900m	1.200m

- CLASS 'S' BEDDING AND SURROUND TO BE USED WHERE MINIMUM COVER IS ACHIEVED. WHERE MINIMUM COVER IS NOT ACHIEVED CLASS 'Z' BEDDING AND SURROUND (CONCRETE ENCASEMENT) IS TO BE USED

16. FOUNDATIONS WITHIN CLOSE PROXIMITY TO PROPOSED DRAINAGE WILL NEED TO BE AT THE SAME DEPTH AS DRAINAGE TO AVOID THE POTENTIAL FOR UNDERMINING.

DRAINAGE NOTES

- FOUL AND SURFACE WATER CONNECTIONS ARE TO BE CONFIRMED
- ALL POP-UP SETTING OUT IS TO BE PROVIDED BY THE ARCHITECT
- ALL SURFACE / FOUL WATER CONNECTIONS ARE TO HAVE RODDABLE ACCESS FROM ABOVE GROUND
- ANY 600Ø ACCESS CHAMBERS GREATER THAN 1.2m DEEP WILL REQUIRE A REDUCED ACCESS SHAFT
- FOUL WATER POP UPS TO THE APARTMENT BLOCKS ARE TO BE A MINIMUM 750mm FROM FFL
- FOUL WATER POP UPS TO THE HOUSES ARE TO BE A MINIMUM 450mm FROM FFL

LEGEND

- PROPOSED S104 SURFACE WATER SEWER SUBJECT TO UNITED UTILITIES AGREEMENT
- PROPOSED S104 FLOW CONTROL CHAMBER
- PROPOSED S104 FOUL WATER SUBJECT TO UNITED UTILITIES AGREEMENT
- PROPOSED HIGHWAY GULLY/MANHOLE SUBJECT TO S38 AGREEMENT
- SEWER EASEMENT
- PROPOSED PRIVATE SURFACE WATER DRAINAGE
- PROPOSED PRIVATE SURFACE WATER DRAINAGE CHANNEL
- PROPOSED PRIVATE SURFACE WATER GULLY
- PROPOSED PRIVATE FLOW CONTROL CHAMBER
- PROPOSED PRIVATE FOUL WATER DRAINAGE
- AC — PROPOSED FOUL WATER ACCESS CHAMBER (MIN DIA 600mm MIN DEPTH 875mm UNLESS SPECIFIED OTHERWISE, ANY AC DEEPER THAN 1.2m WILL REQUIRE REDUCED ACCESS SHAFT)
- EXISTING UNITED UTILITIES SURFACE WATER SEWER
- EXISTING UNITED UTILITIES COMBINED WATER SEWER

REV	DATE	DESCRIPTION	BY	CHK	APP
P09	01.12.2025	UPDATED TO SUIT LATEST SITE LAYOUT	JP	KOB	KOB
P08	24.09.2025	F31A - F36 AMENDED	JP	KOB	KOB
P07	10.09.2025	UPDATED TO SUIT LATEST SITE LAYOUT	JP	KOB	KOB
P06	08.08.2025	CO-ORDINATION ISSUE	JP	KOB	KOB
P05	25.07.2025	UPDATED TO SUIT LATEST ARCHITECT INFORMATION	JP	KOB	KOB
P04	10.06.2025	UPDATED TO SUIT LATEST SITE LAYOUT & BIM MODEL REVIEWED	JP	KOB	KOB
P03	13.05.2025	UPDATED TO SUIT LATEST SITE LAYOUT	JP	KOB	KOB
P02	01.04.2025	UPDATED TO SUIT LATEST SITE LAYOUT	JP	KOB	KOB
P01	02.12.2024	PRELIMINARY ISSUE	LS	KOB	KOB

DRAWING STATUS: **PRELIMINARY**

CLIENT: KELLEN HOMES

ARCHITECT: KELLEN HOMES

PROJECT: RIVERPARK ROAD MANCHESTER

TITLE: S104 DRAINAGE MASTERPLAN

STATUS:	PROJECT No:	PROJECT	ORIGINATOR	VOL/SYS	LEVEL	TYPE	ROLE	DRAWING No:	REV:
S2	224-165	RPM	AJP	XX	00	DR	C	0900	P09

SCALE @ A0:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
1:500	LS	LS	KOB	DS	NOV 2024

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