



1. Setting out should be undertaken using only the information given. Distances should not be scaled from this drawing.
2. All sewers shall be constructed in accordance with Design and Construction Guidance (DCG) Standards 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 in relation 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 DGM Requirement at all times
5. The outcrops 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 materials to be delivered to B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement to withstand Class 3 condition (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur).
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 LA, NHBC or the Network Operator as applicable.
10. Where "Structural Wall" UPVC pipes (or similar approved) are used in drainage they shall be handled and laid in accordance with the manufacturers instructions and will be subject to post installation deformation testing prior to adoption. A Class 3 Bed and Surround must be used for "Structural Wall" pipes
11. Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material laid in accordance with Design and Construction Guidance (DCG) Standards.
12. Slab levels should not be varied without reference to the Engineer for guidance.
13. Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction
14. All works to be in accordance with Knowsley Metropolitan Borough/Council's Specification and Standard Details, and as agreed with Knowsley Metropolitan Borough Council's representative.
15. Manhole pipe connections to be offset to offset.

All connections are soffit to soffit



TENDER

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DRAWING NUMBER 7778 / 04-1	SCALE at A0		1:500 H, 1:100 V
	DATE	07.05.25	REVISION D
	DRAWN	PJN	
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