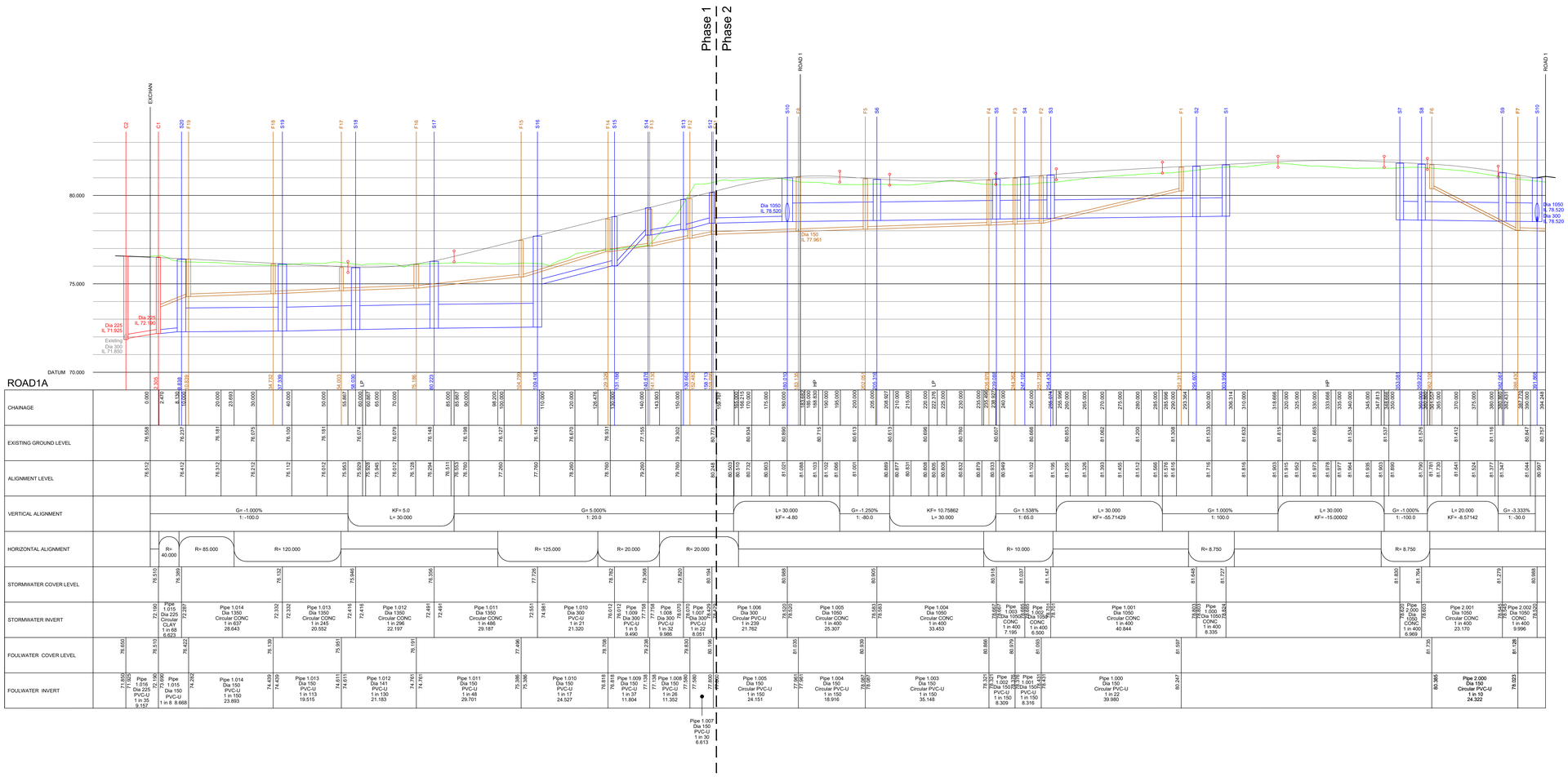
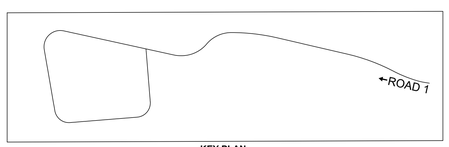
DO NOT SCALE

NORTH





KEY PLAN

Pipe Materials Table

Pipe Materials Table	Pipe Materials Table
100	PVC-U
150	PVC-U
225	PVC-U
300	PVC-U
375	CONCRETE
450	CONCRETE
525	CONCRETE

Contractor may elect to use thermoplastics pipes. These shall comply with the relevant provisions of BS EN 1401-1, BS EN 1852 and BS EN 12666-1 and should be Welsh Water approved products

Bedding and Surround Table

Depth to Soffit	Bedding and Surround Type
>1.2m	Class S
<1.2m	Class Z

Class Z bed and surround only to be used in consultation with ESP. First choice for sewers with <1.2m cover must be concrete protection slab.

Note:
Adoptable manholes to be in accordance with the DCG.

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 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 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 materials to bear the relevant 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 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 be handled and laid in accordance with the manufacturers instructions and will be subject to post installation deformation testing prior to adoption. A Class S Bed and Surround must be used for "Ultra Rib" pipes
11. 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 Design and Construction Guidance (DCG) Standards.
12. Slab levels shall 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 Manchester City Council's Specification and Standard Details, and as agreed with Manchester City Council's representative.
15. Manhole pipe connections to be soffit to soffit.

PLANNING

Rev.	Date	Revision	By	Appd.
A	04.09.26	Updated to suit latest layout	PW	AJ

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Client
WAINHOMES NORTH WEST

Project
Middleton Road,
Crumpsall, Manchester

Title
Highway Longsections
(Phase 1 & 2)

DRAWING NUMBER	SCALE at A0	1:500 H & 1:100 V	
8755 / PL04	DATE	14.07.26	REVISION
	DRAWN	PW	A
	CHECKED	AJ	

0 5 10 15 20 25 30 35 40 45 50
SCALEBAR (m)

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