



1. Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.	6. Existing flows in watercourses, sewers and land drains shall be maintained at all times	10. Where "Structured Wall" 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 "Structured Wall" pipes
2. All sewers shall be constructed in accordance with Design and Construction Guidance (DCG) Standards and United Utilities Details & Guidelines.	7. Only trained personnel shall be permitted to enter confined spaces	
3. The minimum gravity pipe diameter under adoptable highways shall be 150mm	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).	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.
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	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.	12. Slab levels shall not be varied without reference to the Engineer for guidance.
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		13. Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.

- ### Existing
- (W) — (H) — Existing Surface Water Sewer
- (W) — (H) — Existing Foul Sewer
- Proposed
- (O) — Proposed Surface Water Sewer
- (●) — Proposed Foul Water Sewer
- (PC) — Flow Control Manhole
- (X) — Highway Gully
- [Yellow Box] [Grey Box] — Easement / Exclusion Zone
- [PEL 17.40] — Proposed Slab Level
- [Pink Box] — Adoptable SUDs Feature
- — Site Boundary
- [Grid Pattern Box] — Offline attenuation (Cellular crates)
- [Blue Dotted Box] — Permeable Paving
- — Water Butt

Existing Surface Water Sewer

Existing Foul Sewer

Proposed Surface Water Sewer

Proposed Foul Water Sewer

Flow Control Manhole

Highway Gully

Easement / Exclusion Zone

Proposed Slab Level

Adoptable SUDs Feature

Site Boundary

Offline attenuation
(Cellular crates)

Permeable Paving

Water Butt



Design based on Layouts:
Cherryfield Drive, Kirkby. Planning Layout (South Parcel)
Dwg No. 2030004, Dated 04 December 2025
Rev: P03

Cherryfield Drive, Kirkby. Planning Layout (North Parcel)
Dwg No. 2030005, Dated 04 December 2025
Rev: P03

Grid/Level datum based on Topos:
Cherryfield Drive, Kirkby. Topographical Land Survey.
Dwg No. DWH.TS.04 Sheets 1 to 3, Dated 27.04.21
Rev: -

Topographical Land Survey.
Former All Saints School Cherryfield Drive, Knowsley.
Dwg No. A0 14F063/001 Sheets 1 & 2, Dated July '14
Rev: -

Coopers Drawing List:

7778 / 01	Proposed S104 Drainage Layout
7778 / 02	Proposed Highway Setting Out
7778 / 03	Proposed Highway Layout
7778 / 04	Proposed Highway and Drainage Longsections
7778 / 05	Highway Construction Details
7778 / 06	Proposed Surface Finishes
7778 / 07	S38 Agreement Plan
7778 / 08	External Works Layout
7778 / 09	Private Drainage Layout
7778 / 10	Private Drainage Construction Details
7778 / 11	Manhole Schedules
7778 / 12	Flow Control Manhole Details
7778 / 13	Surface Water Catchment Areas
7778 / 14	Surface Water Attenuation Details
7778 / 15	Proposed Cut and Fill Earthworks
7778 / 16	Plot Setting Out
7778 / 17	Manhole Connection Plan
7778 / 18	Flood Exceedance Plan
7778 / 19	Proposed Land Drainage Plan
7778 / 20	Outfall Details

I	30.04.26	Note added to S112a for LLFA	JAR	JAR
H	24.04.26	Revised to S104 comments	JAR	JAR
G	14.04.26	Gullies revised to S38 comments	JAR	JAR
F	01.04.26	SW Outfalls revised	JAR	JAR
E	25.03.26	Laterals revised	JAR	JAR
D	17.02.26	Rainfall revised to FEH 40%	JAR	JAR
C	30.10.25	Tank levels revised	JAR	JAR
B	21.10.25	Updated to show latest Planning Layout	PJN	JAR
A	13.08.25	Laterals added to DWN parcel	PJN	JAR
Rev.	Date	Revision	Bv	Apod



Proposed S104 Drainage Layout

Sheet 3 of 4

DRAWING NUMBER 7778 / 01-3	SCALE at A1 1:100		
	DATE	28.04.25	REVISION I
	DRAWN	JAR	
	CHECKED	AJ	