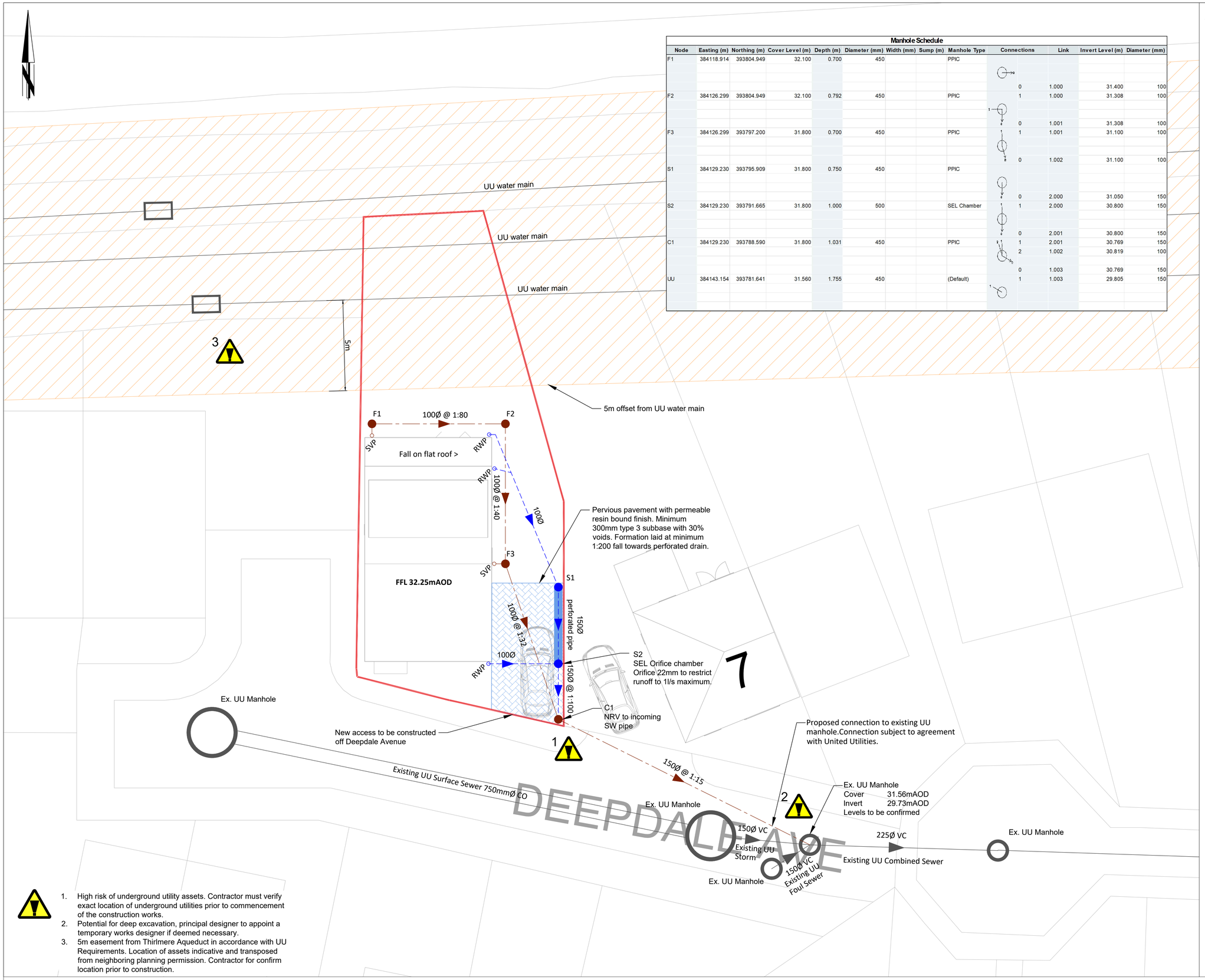

Manhole Schedule

Node	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Diameter (mm)	Width (mm)	Sump (m)	Manhole Type	Connections	Link	Invert Level (m)	Diameter (mm)
F1	384118.914	393804.949	32.100	0.700	450			PPIC				
									0	1.000	31.400	100
F2	384126.299	393804.949	32.100	0.792	450			PPIC	1	1.000	31.308	100
									0	1.001	31.308	100
F3	384126.299	393797.200	31.800	0.700	450			PPIC	1	1.001	31.100	100
									0	1.002	31.100	100
S1	384129.230	393795.909	31.800	0.750	450			PPIC				
									0	2.000	31.050	150
S2	384129.230	393791.665	31.800	1.000	500			SEL Chamber	1	2.000	30.800	150
									0	2.001	30.800	150
C1	384129.230	393788.590	31.800	1.031	450			PPIC	1	2.001	30.769	150
									2	1.002	30.819	100
									0	1.003	30.769	150
UU	384143.154	393781.641	31.560	1.755	450			(Default)	1	1.003	29.805	150

Key

- Proposed Surface Water Drainage
- Proposed Foul Drainage
- Existing UU Combined Sewer
- Proposed ACO drain
- Proposed Inspection Chamber
- Existing Manhole
- RWP — Rainwater Down Pipe
- RE — Rodding Eye
- FP — Foul Drainage Point
- Pervious surfacing with open graded subbase

General notes:

1. This drawing is to be read in conjunction with all Engineer's, Architect's, Street Lighting or other relevant drawings and specifications.
2. All dimensions and levels are to be checked on site by the contractor prior to preparing any working drawings or commencing on site. any discrepancies shall be reported to the site supervisor. all dimensions are in meters unless stated otherwise.
3. The contractor must ensure and will be held responsible for the overall stability of the building/structure/excavation at all stages of the work.
4. The contractor has the responsibility to scan for underground utilities and verify, if necessary, with trial holes the location of underground utilities prior to carrying out excavation works, please refer to GPR survey and utility C2 returns.
5. Pavement material suggestions are based on a general design spec, contractor shall amend if deemed necessary to a similar specifications given that it is in line with the MCHW Clause specified.
6. Reinstatement of Carriageway surface must be done in accordance with the practices of the specification for reinstatement of opening in highways which is specified on this standard detail.
7. Should there be any conflict between the details indicated on this drawing and those indicated on other drawings the Project Engineer shall be informed prior to construction.
8. Until technical approval has been obtained from the relevant authority, it should be understood that all drawings issued are preliminary and not for construction. Should the contractor commence site work prior to such approval being given, it is entirely at their own risk.
9. All 100Ø proposed foul drainage pipes shown are to be laid at a max gradient of 1:80.
10. All 150Ø proposed foul drainage pipes shown are to be laid at a max gradient of 1:150.
11. All existing land drains encountered on site during construction are to be re-connected.
12. Pipes to be structured walled to BS EN 13476, Polypropylene to BE EN 1852 or PVC-U to BS EN 1401.
13. Both clay and concrete pipes shall be strength class 120 (100/150mm min crushing strength 28kN/m). Thermoplastic pipes shall have a minimum ring stiffness of SN8.
14. Private pipes which run adjacent to buildings shall be installed in strict accordance with Building Regulations Part H, clauses 2.23 to 2.25, and adoptable pipes in accordance with Design and Constructio Guidance
15. Class Z concrete bed and surround to all foul and surface water pipes with less than 900mm cover depth. Type S granular bed and surround to all foul and surface water pipes with greater than 900mm cover detph.
16. All manholes and inspection chambers to have D400 load-rated covers and frames to BS EN 124.
17. All private foul and surface water pipes to be constructed to Building Regulations Part H, and adoptable foul and surface water pipes to be constructed in accordance with Design and Construction Guidance.
18. If soft spots are encountered the whole area is to be excavated until firm ground is encountered and all excavated material disposed. Material excavated from soft spots should not be used for fill on site. The excavation should be reinstated with MOT Type 3 compacted in 100mm-150mm layers.
19. Adoptable sewers to be constructed in accordance with Design and Construction Guidance.
20. Private connections to adoptable sewers are to be a minimum of 100mm diameter and laid soffit-to-soffit.

1. High risk of underground utility assets. Contractor must verify exact location of underground utilities prior to commencement of the construction works.
2. Potential for deep excavation, principal designer to appoint a temporary works designer if deemed necessary.
3. 5m easement from Thirlmere Aqueduct in accordance with UU Requirements. Location of assets indicative and transposed from neighboring planning permission. Contractor for confirm location prior to construction.

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DRAWING TITLE

7 Deepdale Avenue
Proposed Drainage Layout
Series 500

REV.	DESCRIPTION	DRAWN BY	CHECKED	DATE

	INITIALS	DATE	
SURVEYED BY			DRAWING No. MAC01-CTY-HGN-ZZ-DR-D-0501
DESIGNED BY	LS	24/03/25	PROJECT TITLE 7 Deepdale Avenue Manchester
DRAWN BY	LS	24/03/25	SCALE 1:100 @ A1 / FILE No. 251008
CHECKED BY	MB	24/03/25	