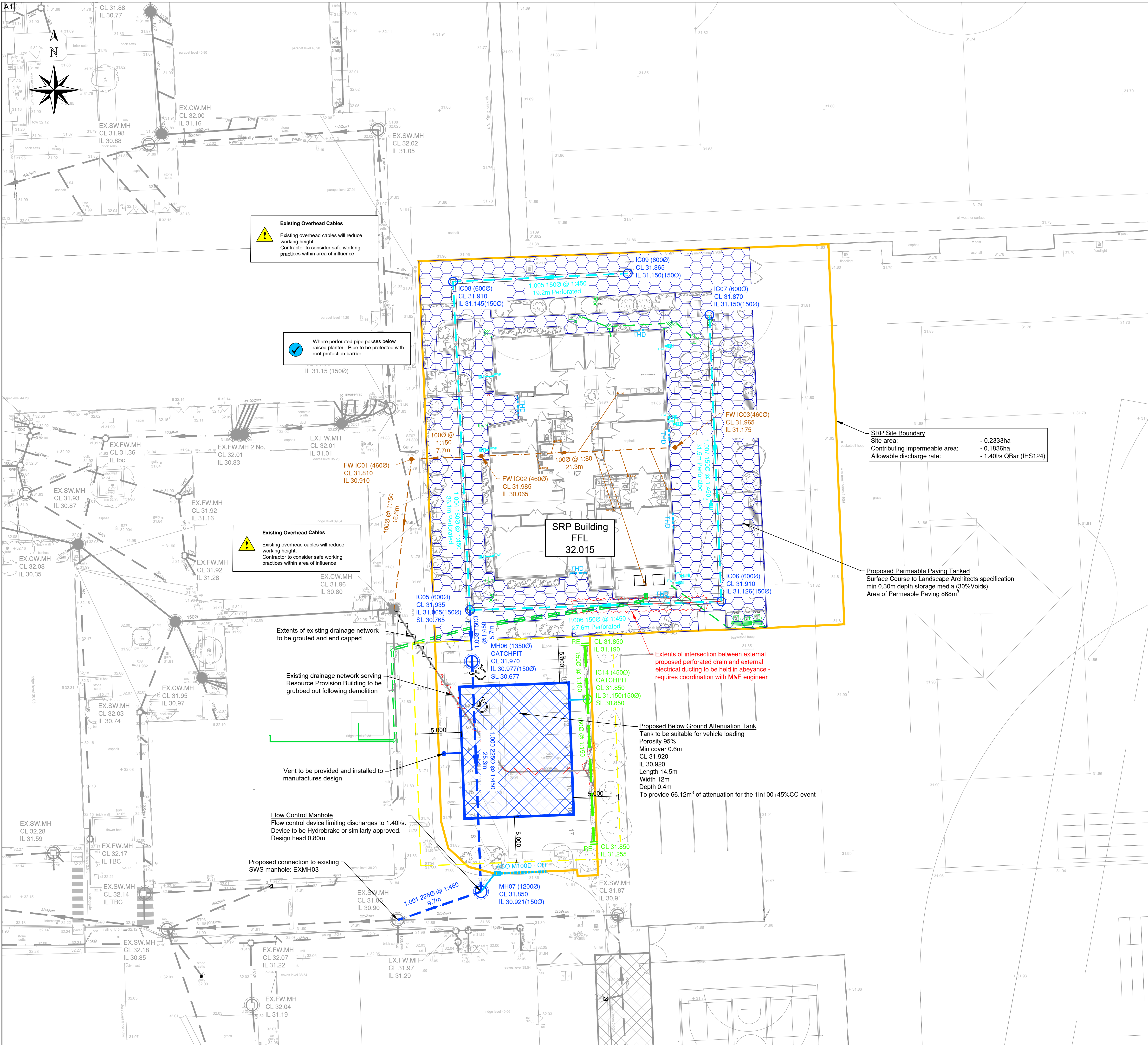




GENERAL NOTES

1. DO NOT SCALE.
2. This drawing is to be read in conjunction with all other relevant drawings and details.
3. Should there be any conflict between the details indicated on this drawing and those on other drawings the Engineer should be informed PRIOR to construction on site.
4. 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 works prior to such approval being provided it is entirely at their own risk.
5. Sketch proposals are for illustrative purposes only and as such are subject to detailed site investigation including ground conditions, contaminants, drainage, design and planning / density negotiations.
6. All dimensions are in metres unless otherwise stated.
7. The Rodgers Leask Designer's Risk Assessment(s) for this project must be reviewed PRIOR to the commencement of any works on site.
8. Site layout shown based on CoARC Site Plan drawing ref WHGS-COA-XX-00-D-A-0120 Rev P05, dated 30/06/25.
9. Topographical survey shown based on Cryfield Survey Ltd drawing ref 1157-13, dated October 2022.

KEY:

- SRP Building & Parking Drainage Area
- Proposed Surface Water Drainage
- THD
- Channel Drain
- RWP
- Proposed Perforated Pipe wrapped in geotextile
- Proposed Lined Filter Drain
- Proposed Foul Water Drainage
- Internal foul water gully - trapped and roddable
- Existing Surface Water Drainage
- Existing Foul Water Drainage
- Existing Combined Public UU Sewer
- Existing Drainage Infrastructure to be Grubbed Out
- Existing Drainage Infrastructure to be Abandoned, Grouted and End Capped
- Proposed Permeable Paving with min 300mm deep subbase with 30% voids ratio. Tanked
- 5m offset from attenuation tank to act as a maintenance easement
- Proposed Below Ground Attenuation Tank
- Existing Below Ground Attenuation Tank
- External Electrical Services - Refer to RWA drawing ref W2252-RWA-00-XX-DR-E-9001 Rev T1 for details

Health & Safety Information Key

- Used to provide design specific safety information that may not be obvious to a competent contractor but may be useful
- Used to restrict/prevent a possible action, e.g. stop construction traffic from entering an area
- Used to warn of significant design hazards, adding recommendations
- Used to encourage a positive action, e.g. use of robust protection for inspection chambers

SPECIFICATION NOTES

1. The following types of pipe may be used unless noted or agreed otherwise:
 - Pipes up to 600mm diameter to be Structured Wall to BS EN 13476, Polypropylene to BS EN 1852 or PVC-U to BS EN 1401.
 - Pipes over 600mm diameter to be Concrete to BS 5911.
2. 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 SN4.
3. Pipes which run adjacent to buildings shall be installed in strict accordance with Part H, Clauses 2.23 to 2.25. Diagrams 7 and 8 are of particular relevance and shall be complied with.
4. All pipes, chambers and fittings shall be installed, bedded and backfilled in accordance with the manufacturer's instructions subject to the following minimum requirements;

Pipe Location	Cover to Crown*	Clay / Concrete Pipe Bedding	Plastic Pipe Bedding	Backfill
Roadways / Car Parking	> 0.9m	Class S (S1 or S2)	Class S (S1 or S2)	Type 1 Granular
Hard & Soft Landscaping	< 0.9m	Class Z (Concrete)	Class Z (Concrete)	Suitable as dug material

*The above depths are based on a private drainage network. Adoptable drainage should be installed in accordance with the requirements of the relevant statutory sewerage undertaker.

5. All pipes beneath structures to have concrete bed and surround. Where cover is less than 300mm the concrete is to be cast integrally with the floor slab.
6. The first flexible joint in pipes adjoining a manhole shall be a maximum length of 600mm from the inside face of the manhole, connecting to a rocker pipe. The length of the rocker pipe shall be as follows;

Pipe Diameter	Length of Rocker Pipe
Ø150 - Ø600mm	600mm
Ø675 - Ø750mm	1,000mm
over Ø750mm	1,250mm

7. Pipes Penetrating Walls:
 - An opening is to be formed through walls to give pipes at least 50mm clearance all round. Brickwork over shall be supported by a lintel. Opening to be masked each side with rigid sheet material. Pipes embedded in walls shall have joints formed within 150mm of either wall face. Adjacent rocker pipes of max 600mm length with flexible joints shall continue the pipework.
8. All manholes and inspection chambers situated in areas subject to vehicular loading to have class D400 covers and frames to BS EN124. Those not subject to vehicular loading to have class B125 covers and frames.
9. Drainage frames must be tied to manhole risers by use of manufacturer's ties (eg. Polypipe ref FRK500 fixing kit and FRK501 black ties). The ground works contractor will be held fully responsible for any accidents due to incorrect fitting or failure to use the correct manufacturer's fitting equipment.
10. All drains in the vicinity of existing or proposed trees to be constructed in accordance with the requirements of NHBC Practice Note 3.
11. All drainage MH covers and frames to be orientated so that they are square and perpendicular to the block paving patterns where applicable. MH cover locations also to avoid building door opening locations where possible.
12. All surface water connections to be Ø150mm and foul connections to be Ø100mm unless noted otherwise.
13. All foul laterals to be min 1:80 gradient; surface water laterals to be min 1:100.
14. Foul pipes are to be wrapped in a suitable impermeable geotextile where they pass over surface water pipes in order to prevent any cross contamination.
15. All pipelines shall be tested both before and after backfilling, using either air test or water test, in accordance with BS EN 1610.
16. Where reinstatement of existing tarmac surfaces is required this should be completed to Specification for the Reinstatement of Openings in Highways Fourth edition
17. All channel drains to use propriety end caps, sump outlet units and grating hold down bolts.

Health and safety symbols refer to reference numbers indicated on Designers Risk Assessment number: 22639-RL-25-XX-HS-C-0001

Rev	Date	Amendments	By	Chk
P04	28.11.25	5m maintenance easement shown around attenuation tank Updated to include gully in plant	PJC	FL
P03	18.08.25	room, channel drain specification added	EG	PJC
P02	09.07.25	Updated to latest CoARC site layout - 0120 Rev P05, new raised planters added, Canopy RWP added, MAE external electrical services shown	EG	PJC
P01	06.06.25	FIRST ISSUE	EG	PJC



Client

UNITED LEARNING

Project

SRP, WILLIAM HULME'S GRAMMAR SCHOOL MANCHESTER

Drawing Title

SRP BUILDING DRAINAGE STRATEGY

Status

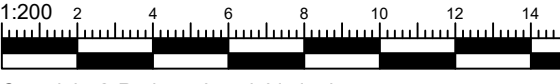
INFORMATION

Scale	Drawn	Checked	Date
1:200 @ A1	EG	PJC	06.06.25

Drawing Number	Revision
22639-RL-25-XX-DR-C-2210	P04

BIM Drawing Reference

Scale Bar



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