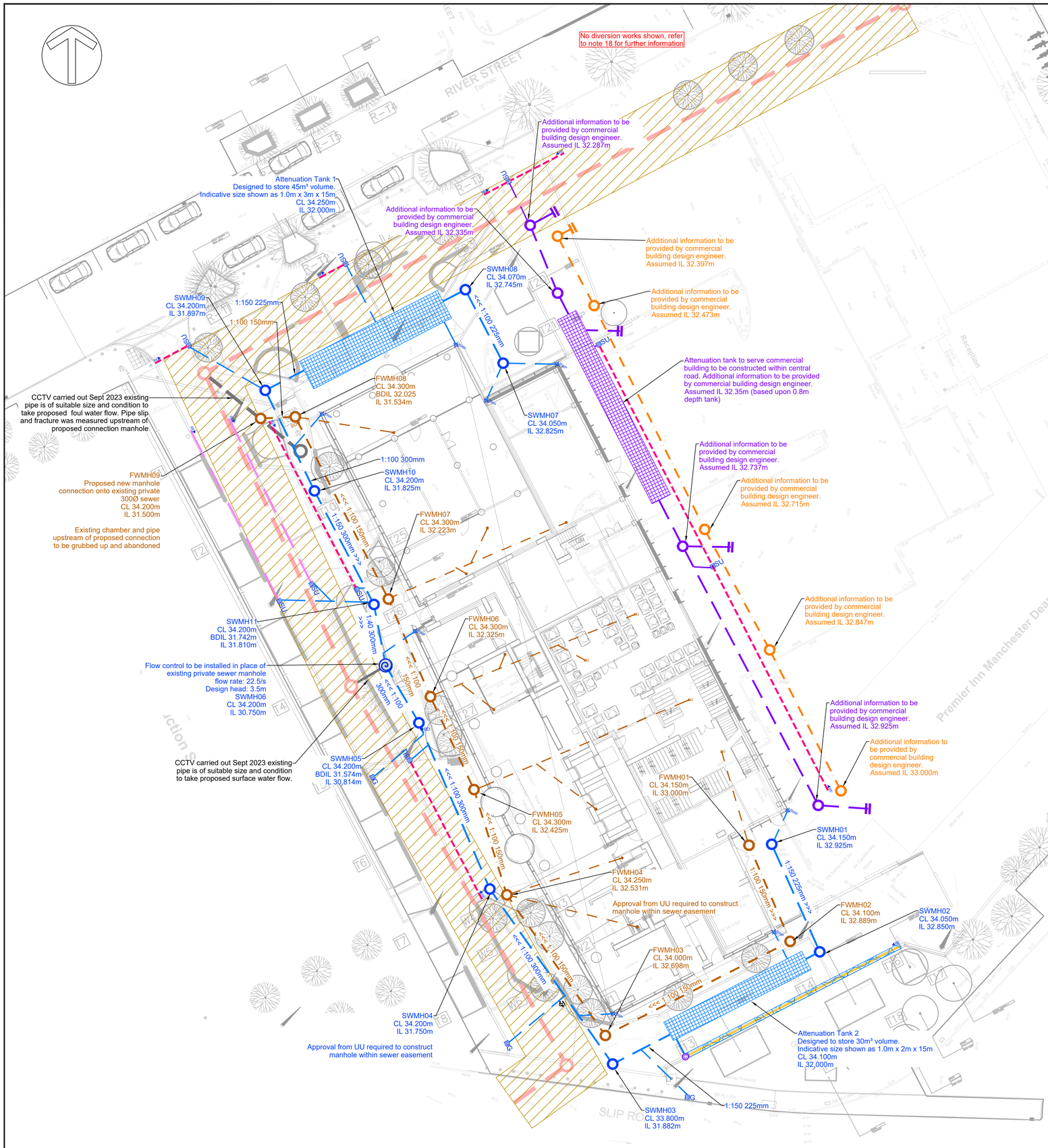

Proposed Surface Water Drainage Key

- Proposed Surface Water Drainage
- Commercial Building Proposed Surface Water Drainage
- RWP — Rain Water Pipe
- Surface Water Flow Control Chamber
- BD — Surface Water Back Drop
- Filter Drain
- Kerb Drain
- Surface Water Catchpit
- Cellular Attenuation Tank
- Easements
- Surface Water Stub Connection
- RE — Surface Water Rodding Eye
- SU — Channel Drain Sump
- G — Gully
- Slot Drain - Gatic
- Proposed Foul Sewer Drainage
- Commercial Building Foul Sewer Drainage
- BD — Foul Back Drop
- Foul Pop Up
- Foul Sewer Stub Connection
- Existing Foul Sewer Drainage
- Existing Surface Water Drainage

DO NOT SCALE

General:

1. Do not scale from the drawings. All dimensions must be checked / verified on site. If in doubt ask.
2. This drawing is to be read in conjunction with all relevant Architects, Engineers and specialists drawings and specifications.
3. Refer to Landscape Architect plans for :
   - additional paving / kerbing requirements
   - boundary treatments (planting and fencing)
   - setting out information
4. Refer to Architect plans for :
   - internal building layouts
   - coordinated stacks and pop-up locations
   - specification of of channels to proposed door thresholds, windows and garage threshold
5. Refer to MEP Engineer detailed design for :
   - utilities provisions
   - ducting layouts and routing
   - above ground drainage design
6. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
7. Levels shown are approximate and are subject to site adjustment to suit final external works levels.
8. Any discrepancies noted on site are to be reported to the Engineer immediately.
9. The Contractor shall allow for the protection, temporary and permanent support and diversion works as necessary, to all existing services to the satisfaction of the public utilities.
10. Construction details for proprietary products are shown indicatively and for Pricing Purposes only. All proprietary products shall be installed in strict accordance with the manufacturers' specific requirements and specifications.
11. Utilities locations / routes not shown. Refer to constraints plan / utilities survey information for more detail
12. This drawing is for stage 3 purposes only. Drainage design is subject to change through detailed design.
13. Foul pop-ups & RWP's shown are indicative. Awaiting confirmation of finalised locations.
14. Connection levels into existing drainage based upon CCTV survey information carried out Oct 2023. Contractor to confirm all connection levels onsite prior to any construction works beginning.
15. Current proposal to re-use existing site sewer connections where possible to minimise impact on United Utilities sewer asset. CCTV survey has confirmed the viability of re-using existing sewer connections, approval with United Utilities required prior to connections being made.
16. Easements are shown as 3m offset from pipe centerline, subject to change following confirmation from United Utilities.
17. External surface water collection points based upon latest landscape architects plan '2072-PLS-01-GF-L-0001-S1-P01'. Subject to change and be refined through discussions with landscape architect.
18. All proposed drainage works within the United Utilities sewer easement requires approval by United Utilities.
19. No diversion works that may be required on the existing UU public sewer to suit the commercial building development shown on this plan. Any diversion works that may be required during this phase of development to be added following confirmation from client and commercial building design engineer.

Important CDM / H&S note

The Designers would draw the readers attention to the key residual health and safety risks that have not been eliminated from the designs shown on this drawing by the design process. These key residual risks are identified below:

- Existing Drainage and Service Infrastructure not to be compromised.
- Care to be taken around deep excavations. Plant to be kept at safe distance.
- Moving plant. Care to be taken around site.
- Care to be taken in vicinity of existing high voltage below and above ground electric cables. REFER TO UTILITIES SURVEYS FOR DETAILS.
- Care to be taken when working in the vicinity of existing and proposed watercourses and existing ponds.

Any construction personnel including operatives intending to construct the designs shown on this drawing should ensure that they have been regularly and thoroughly briefed by the principal Contractor on all health and safety matters and have had sight of:

1 - The full Designers and Contractors risk assessments and risk registers.
2 - The developed construction health and safety plan.
3 - The Contractors construction method statements.

Hazards that are obvious to a competent Contractor are not shown, as are every day and low risk hazards.

REV	DATE	BY	DESCRIPTION	CHK	APP
P03	08.12.23	KT	UPDATED STAGE 3 ISSUE	JT	AW
P02	17.11.23	JT	INDICATIVE IL ADDED TO COMMERCIAL BUILDING DRAINAGE	JT	AW
P01	10.11.23	JT	STAGE 3	JT	AW

DRAWING STATUS: STAGE 3

Roscoe
CIVIL & STRUCTURAL ENGINEERS
INSPIRING BUILT ENVIRONMENTS

CLIENT: RG GROUP

ARCHITECT: JON MATTHEWS ARCHITECTS

PROJECT: 1 MEDLOCK ST MANCHESTER

TITLE: PROPOSED DRAINAGE LAYOUT

SCALE @ A1:	CHECKED:		APPROVED:
1:200	JT		AW
PROJECT NUMBER:	DESIGNED:	DRAWN:	DATE:
23324	JT	JT	NOV 2023

DRAWING No: 23324-ROS-00-00-DR-C-09000 REV: P03