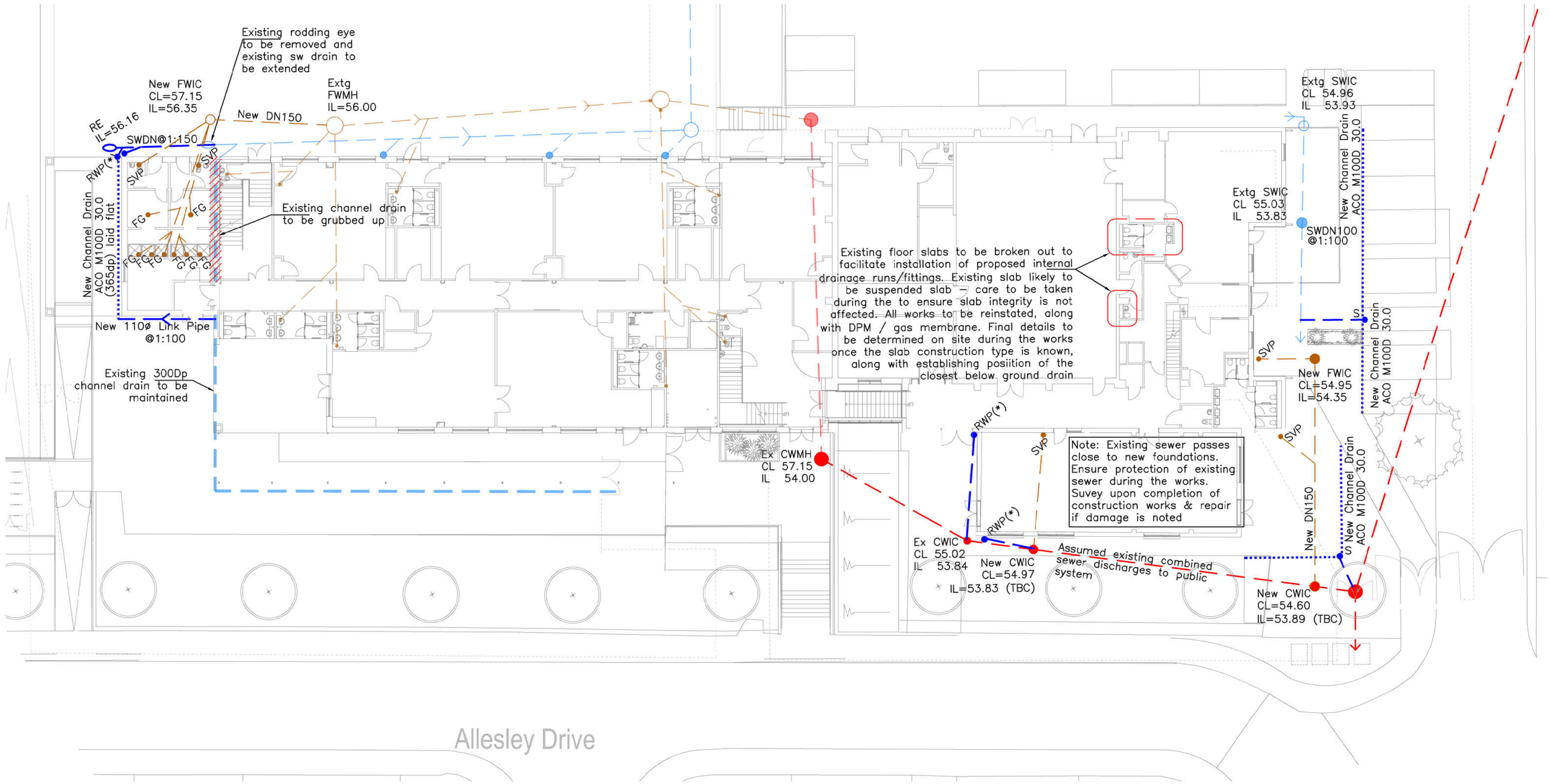

Below Ground Drainage Layout

Scale 1:200

Drainage Legend

- SWMH – New Surface Water Manhole
- RE – New Rodding Eye
- RWP(*) – New Rain Water Pipe (Assumed location)
- BD – New Backdrop into Existing Manhole
- FWMH – New Foul Water Manhole
- FWIC – New Foul Water Inspection Chamber
- SVP – New Soil Pipe (final positions TBC)
- FG – New Fouol Gully (final positions TBC)
- New Aco Channel (or similar approved)
- New Surface Water Drain
- New Surface Water Drain
- CWMH – Existing Combined Water Manhole
- RE – Existing Rodding Eye
- RWP – Existing Rain Water Pipe
- FWMH – Existing Foul Water Manhole
- Existing Combined Drain
- Existing Channel Drain
- Existing Surface Water Drain
- Existing Foul Water Drain

All floor gullies to be trapped, double seales & odour trapped

For typical drainage details refer to Integra drawings 3205–1.06.

Location / Number of SVP's & RWP's indicative only, tbc by Architect / M&E Engineer.

All new manhole & inspection chambers to have recessed covers to accommodate external finishes.

Notes.

1. All dimensions are in millimetres unless noted otherwise.
2. All levels are in metres unless noted otherwise.
3. This drawing is to be read in conjunction with all relevant Architects and Service Engineers drawings.
4. Manholes to be precast concrete rings to BS 5911 min 1200 dia u.n.o.
5. All Manhole covers to be Grade B125 in footpaths/ soft landscaping or D400 in trafficked areas to B.S.E.N. 124. All manhole covers to be recessed type.
6. Invert levels quoted are exit inverts.
7. PVC pipes with cover of less than 900mm under road/paved and 600mm under landscaped areas to be encased in concrete bedding class S
8. All RWP's & SVP's to have roddable access covers.
9. Installation of manholes, road gullies, pipes, channels etc to be as per the manufacturer's instructions and recommendations.
10. Proposed SW pipes to be 100dia u.n.o.
11. Proposed FW pipes to be 100dia u.n.o.
12. All drainage to comply with the requirements of BS8301 & Building Regulations part H.
13. Drainage channels to be Aco Multidrain MD100, or similar approved. Design/ spec/ installation to be in accordance with manufacturers details. Grating to be D400, final type TBC.

Rev	Drawn	Date	Description
T4	RH	05/20	Minor amendments
T3	RH	05/20	Revised scheme
T2	SB	12/19	Updated to latest information

Drawing Status: TENDER

Contract: UNITY COMMUNITY SCHOOL EXTENSION

Drawing Title: BELOW GROUND DRAINAGE LAYOUT

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Scales	Date	Drawn	Checked	Contract No	Drawing No	
SHOWN	11/19	SB	RH	3205	1.05	T4