

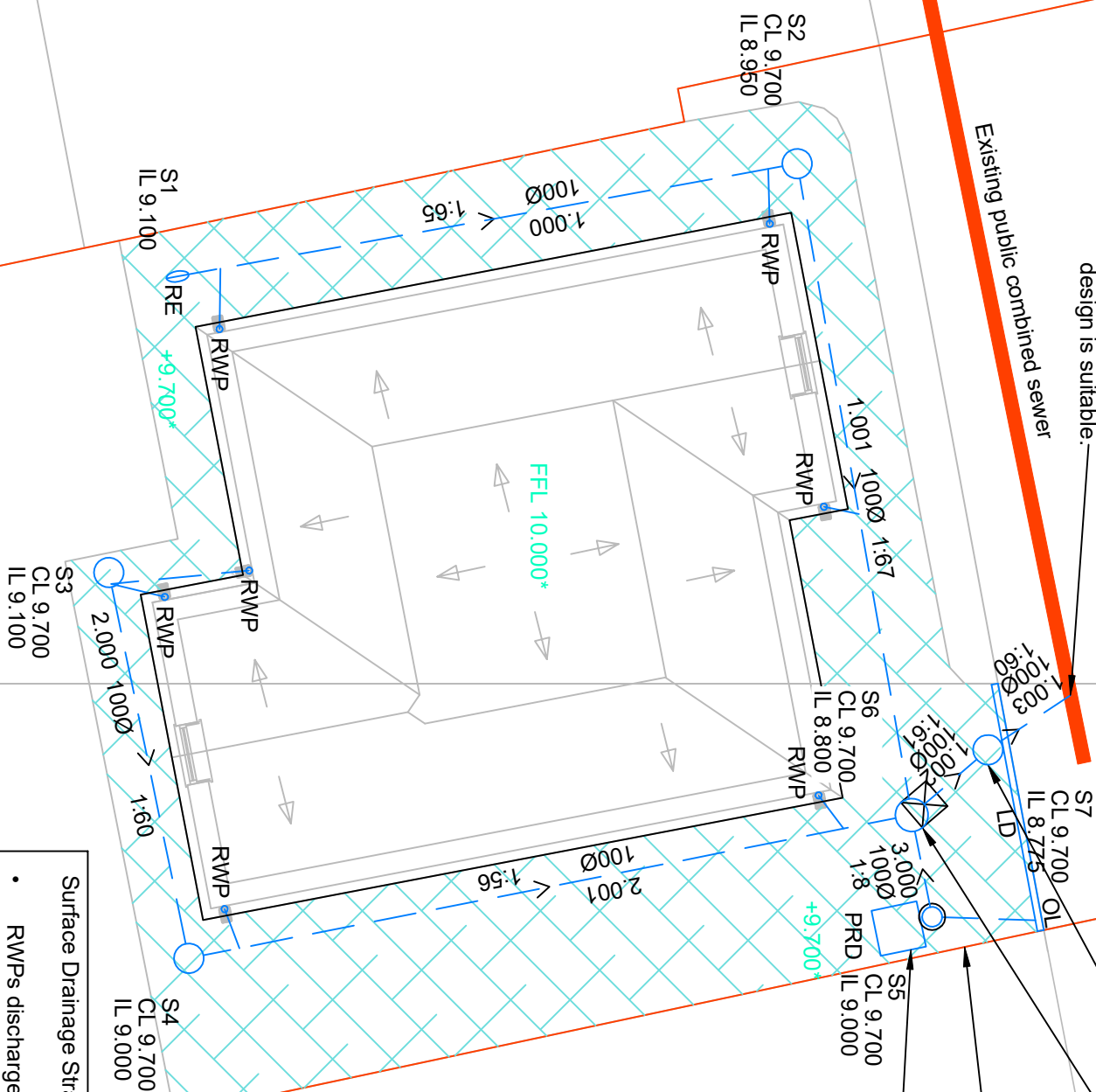
Surface water to discharge to existing public combined sewer via new connection at 2 l/s subject to agreement by water authority. Contractor to confirm position and invert of sewer prior to commencement to confirm design is suitable. _____

S7_OUT
IL 8.750

- Non-return valve to be fitted to outgoing pipe
- Orifice flow control chamber 33mm orifice IL 8,800 easily maintained SELSource
- Controlflow or similar

- Permeable paving to have minimum 0.2m depth of storage sub-base IL 9.350, OGCR or gravel with 30% voids.

- Base of sub-base to fall towards discharge point at rainwater diffuser, or similar.



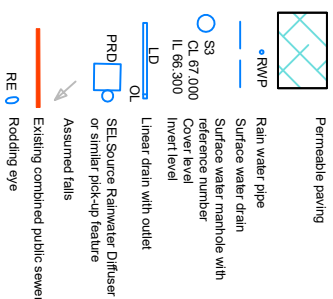
Surface Drainage Strategy

- RWPs discharge to underground pipework.
- Permeable paving discharges via a SELSource rainwater diffuser, or similar, acting as a pick-up feature.
- Linear channels are positioned to pick up excess run off from permeable paving at thresholds and boundary to highway or other positions as specified by architect, to connect to drainage system.
- Surface water will discharge to existing public combined sewer via new connection subject to agreement by water authority.
- A non-return valve will be fitted to prevent back-up of foul discharge into the surface drainage system.
- Discharge rate will be controlled by orifice to 2 l/s, subject to approval.
- Attention is provided within the pipework, inspection chambers and permeable paving sub-base.

Notes

2. All dimensions are in millimeters unless otherwise stated.
3. This drawing is to be read in conjunction with all other relevant drawings and documents.
4. All drainage to be constructed to Civil Engineering Specification for Water Industry 7th Edition, current British standards and building regulations and other relevant standards.
5. Exact locations of rain water downpipes and other internal drainage down pipes to be confirmed by architect. Rain water pipe connections to have rodding access, sump and grated cover.
6. Contractor to confirm locations of existing services prior to commencement on site and to arrange for any necessary diversions, lowering or protection works as required.
7. All specialist drainage components such as attenuation tanks, flow control and pumping stations to be designed and installed as per manufacturers requirements. Cover levels to be confirmed by landscape architect. Cover levels and invert levels are in meters unless otherwise
9. Proposed ground levels will influence the storage capacity of the permeable paving and the position of the drainage pick-up features. When proposed ground levels are complete the permeable paving design should be reviewed to ensure sufficient storage is provided and that the drainage pick-up features are positioned correctly.
10. Permeable paving sub-base should fall towards the drainage pick-up features.
11. Permeable paving and pick-up features as specified by manufacturer. Extent of linear drainage channel to perimeter of building to be confirmed by architect, design as per manufacturer.
12. Private surface water pipes to be 100mm with minimum fall of 1:100 unless otherwise stated.
13. Minimum cover to thermoplastic pipes in garden or patio areas 0.6m, in driveway 0.7m, in road 1.2m, otherwise concrete protection will be required.
14. Across chamber cover class A15 for garden and patio, B125 for driveway, C250 for lightly trafficked roads or small private car parks.
15. Drainage designed to level datum of 10m F.F.L. If cover levels change from assumed then drainage design should be re-assessed, especially in regards to extreme events.
16. assumed levels and gradients, to be confirmed

KEY:



P01	30.07.21	Initial issue	MG AW
Rev	Date	Detail	Drawn Chkd

Client: **Zufi Belaj**

Project:

Land Adj. 929 Oldham Road

Drawing Title:

Proposed Surface Drainage Layout



Suite 9-11, 1st Floor, Old Bank Buildings, Bellstone, Shrewsbury, SY1 1HU

Drawn by: MG	Checked by: DS	Date: July 2021
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Scale:	1:100 @ A3
Status:	Preliminary

Drawing No:
75070.02 100