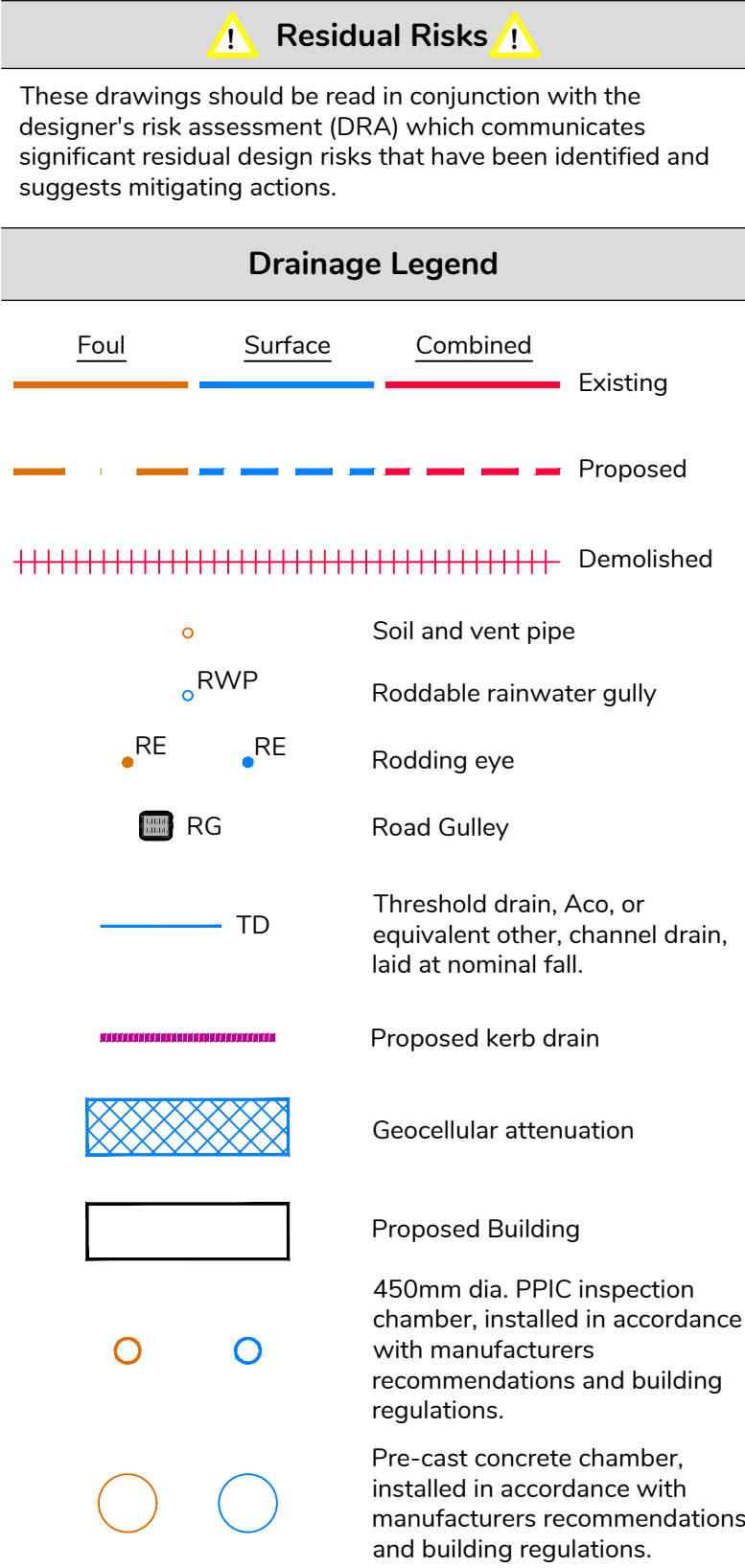




Reference	Pipe, Diameter, ILS	Cover Level Depth to Soffit	Coordinates	Chamber Diameter	Cover
IC-SW1.1	SW1.6 0.100m IL in = 175.465m	176.691m 1.226m	E: 403410.689 N: 393107.285	0.450m	D400
	SW1.7 0.100m IL in = 175.465m				
	SW1.8 0.100m IL out = 176.135m				
	SW1.7 (1) 0.100m IL out = 175.650m				
IC-SW1.2	SW1.8 0.100m IL in = 174.800m	176.668m 1.868m	E: 403404.051 N: 393115.419	0.450m	D400
	SW1.3 0.150m IL in = 174.800m				
	W1.39 0.100m IL in = 176.110m				
	W1.39 0.100m IL in = 176.069m				
	W1.40 0.100m IL in = 176.027m				
IC-SW1.3	SW4.1 0.150m IL out = 174.800m	175.878m 1.623m	E: 403390.943 N: 393133.860	1.500m	D400
	SW2.4 0.100m IL out = 174.800m				
	SW4.3 0.150m IL in = 174.255m				
	SW1.5 0.225m IL in = 174.255m				
IC-SW1.4	SW6.1 0.150m IL in = 174.255m	175.756m 1.976m	E: 403398.482 N: 393138.048	1.500m	D400
	SW6.1 0.150m IL in = 173.780m				
	SW7.1 0.300m IL in = 173.780m				
IC-SW1.5	SW8.1 0.300m IL out = 173.780m	174.460m 1.150m	E: 403371.488 N: 393166.291	1.500m	D400
	SW8.8 0.300m IL in = 173.505m				
	SW14.1 0.150m IL in = 173.505m				
	SW1.5 0.225m IL in = 174.423m				
IC-SW1.6	SW16.1 0.150m IL out = 173.505m	175.812m 1.047m	E: 403401.068 N: 393171.147	0.450m	D400
	SW17.1 0.225m IL out = 174.765m				
IC-SW2.1	SW17.1 0.225m IL in = 174.711m	175.750m 1.039m	E: 403398.569 N: 393174.649	0.450m	D400
	SW18.1 0.225m IL out = 174.711m				
IC-SW2.2	SW18.1 0.225m IL in = 174.538m	175.803m 1.265m	E: 403387.964 N: 393168.652	0.450m	D400
IC-SW3.1	SW9.5 0.100m IL in = 175.081m	175.813m 0.732m	E: 403397.497 N: 393175.215	0.450m	D400
	SW10.3 0.100m IL in = 175.081m				
	SW12.1 0.150m IL in = 175.258m				
	SW11.1 0.100m IL out = 175.081m				
IC-SW3.2	SW12.3 0.150m IL in = 174.997m	175.806m 0.809m	E: 403379.680 N: 393164.382	0.450m	D400
	SW13.5 0.100m IL in = 174.997m				
	SW14.1 0.150m IL out = 174.997m				
IC-SW3.3	SW15.3 0.225m IL out = 174.651m	175.483m 0.867m	E: 403369.091 N: 393175.060	1.500m	D400
	SW15.1 (1) 0.225m IL out = 174.616m				
RG-1	SW15.2 0.100m IL in = 174.435m	175.237m 0.850m	E: 403372.857 N: 393178.621	??m	Undefined
RG-2	SW15.1 0.225m IL in = 174.320m	174.855m 0.850m	E: 403378.723 N: 393186.072	??m	Undefined
RG-3	SW11.1 0.100m IL in = 174.901m	175.520m 0.850m	E: 403393.433 N: 393185.107	??m	Undefined

1. This drawing is subject to change depending on further development of the site layout, detailed design development and coordination with the Architect.
2. It is the contractors responsibility to confirm presence and location of services prior to commencing works.
3. The proposed building outlines shown on this drawing are for information only. Refer to Architects drawings for precise setting out information and details including locations of all popups and gullies.
4. Cover levels shown on this drawing are approximate and shall be adjusted to suit finished pavement levels on site by Contractor. Covers shall be orientated to suit pavement finishes where appropriate.
5. All existing drainage shall be assumed to be 'live' and shall be maintained at all times during the works. Existing drainage shall be reconnected to the new drainage system unless proven to be redundant for abandonment. All existing drainage to be fully removed.
6. Upon completion all new drainage installation together with any existing drainage retained shall be jetted and CCTV surveyed upon completion. Contractor to ensure that the drainage system is fully operational, free of excess debris/silt and all identified faults rectified.

1. All drainage to comply with BS EN 16933-2:2017 Drain and sewer systems outside buildings together with parts H1, 2 and 3 of the current Building Regulations.
2. All rainwater gullies to be access gullies with integral back inlets for rodding installed to manufacturer's recommendations.
3. All under slab drainage shall be clear of foundations unless shown otherwise with long radius bends kept to a minimum and used where shown when unavoidable.
4. At least one soil pipe at the head of each foul run shall be vented to the atmosphere.
5. Proposed pipework with <1.2m depth to soffit in roads to <0.9m in pedestrian/landscaped areas require a concrete surround.
6. Where new drainage is situated within 5 metres of new or existing trees the pipework shall be encased in Z Class concrete surround to reduce the risk of root ingress.
7. Concrete encasement of the pipework shall be required where the vertical clearance between two pipes crossing is less than 300mm.
8. All external carrier drains to be UPVC pipework. Jointing shall either be UPVC pushfit couplings or by sealing round 'O' rings in polyester moldings.
9. All carrier drains which are located within 2000mm of external walls or pass under buildings are to be encase in min. 150mm concrete of full width of trench.
10. Manhole covers to be seated in rebated steel frames and sealed with grease on 100mm thick concrete frame base with 600mm minimum openings.