



Springtime

RIVERSIDE

SPRINGTIME RIVERSIDE STAGE 3 on

Residential lot soakwell requirements

Residential lots with front driveway access in the Springtime-Riverside estate (Cell C Wungong Urban Water) are required to retain stormwater runoff generated by the development of dwellings and impervious surfaces in the front setback area within the boundary of the lot.

Figure 1 demonstrates typical arrangements for urban and suburban coded lots indicating the number and arrangement of soakwells that are required to be provided.

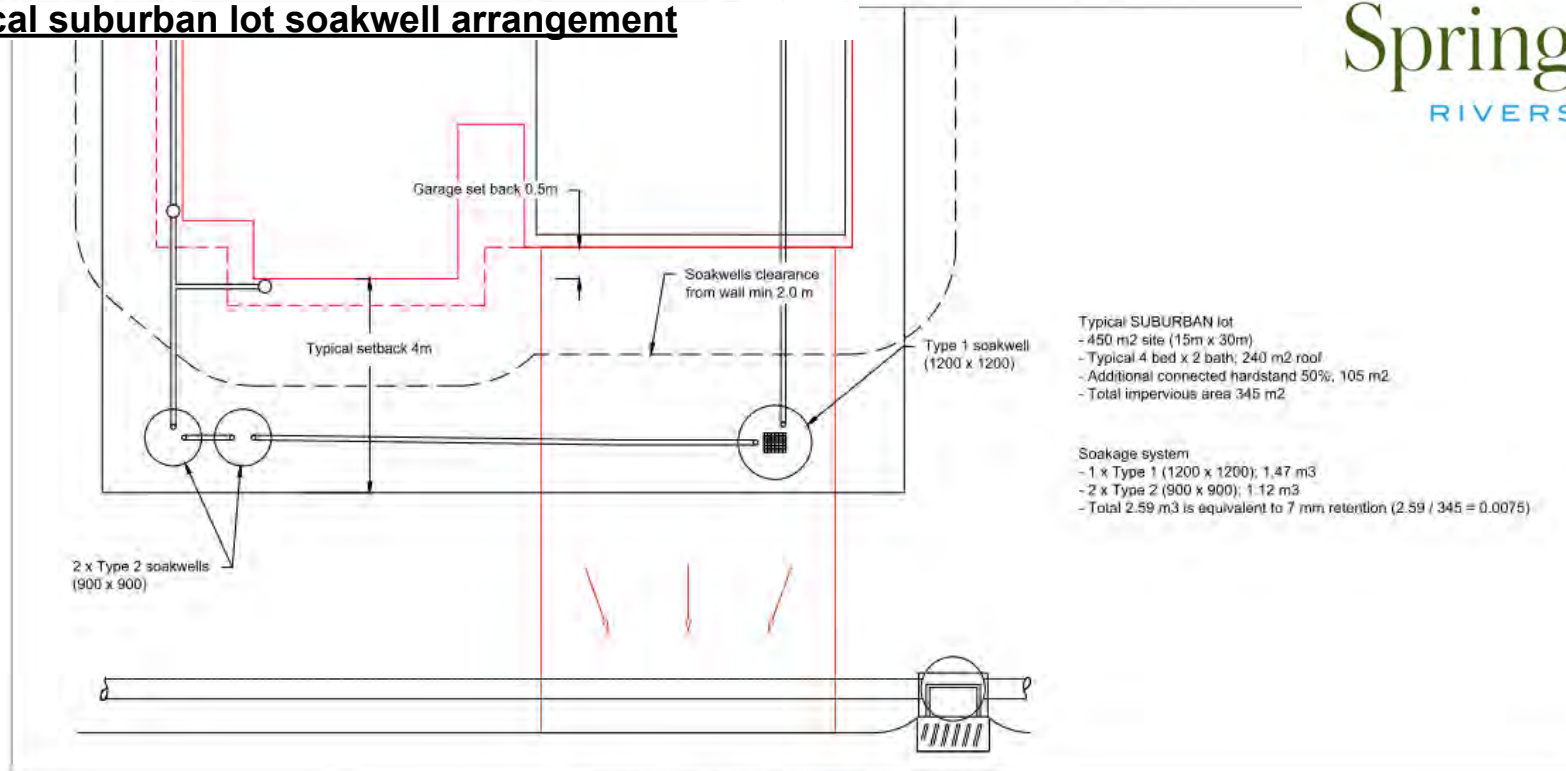
No direct connection to the road drainage system will be provided; excess stormwater runoff shall overflow from grated covers to the street drainage system via the driveway as indicated in Figure 1.

Figure 2 presents the subdivision layout indicating the strategy for lot retention of stormwater relevant for each lot.

The following points are to be considered during assessment of dwellings in this estate:

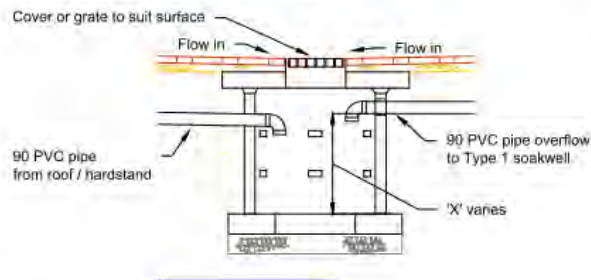
- The use of soakwells to the rear of properties is not recommended.
- Soakwells should be sited on top of a 300 mm layer of aggregate and 500 mm above underlying clay
- Soakwells should be located at least 3 m from any building and at least 0.5 m from lot boundaries

Figure 1: Typical suburban lot soakwell arrangement



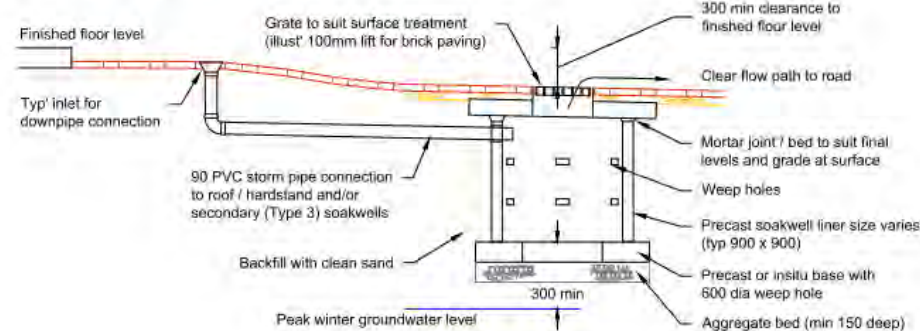
Typical arrangement on lot (Scale 1:100 @ A3)

Secondary / connected soakwells (Type 2)



Typical Soakwell Details (Scale 1:40 @ A3)

Soakwell with surface overflow (Type 1)



Retention Volumes using standard design

Soakwell Size (mm)		X	Retention storage (m ³)	
Diameter	Depth		Type 1	Type 2
600	600	400	0.23	0.17
900	600	430	0.46	0.35
900	900	750	0.65	0.56
1200	1200	1000	1.47	1.24
1800	1200	1000	3.25	2.74

- Storage to be counted for Type 2 soakwells may be increased if overflow pipe is below the invert of the site overflow level.
- Typical values of "X" have been selected that align with precast outlets in typical soakwell liners. If varied then retention storage allowance should be adjusted.

Springtime Riverside
Lot retention using concrete soakwells

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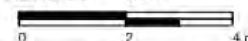
ISSUE	DATE	DESIGN	CHECK
A	13 Jul 2015	RM	--
DATA SOURCES Lendgate Dept of Planning		A3 SCALE 1:100	
			
Projection: MGA50		Datum: AHD	



Figure 2: Lot retention strategy

