

CITY OF BELMONT

Requirements for On-site Drainage



CITY OF BELMONT REQUIREMENTS FOR ON-SITE DRAINAGE

1. Included with the documents submitted to the City's Building Department for a Building Licence shall be a site plan showing the following drainage details :-
 - 1.1 Existing ground levels or contours. (AHD)
 - 1.2 Proposed levels of paved or concrete areas. (AHD)
 - 1.3 Details of roof and pavement drainage disposal.
 - 1.4 Size (depth and diameter) and location of all soakwells.
 - 1.5 Minimum size soakwell allowable for roof water disposal is :-

900mm diameter x 600mm deep

NOTE : The following formula shall be used to determine the soakwell capacities required :-

$$\text{Impervious Area (m}^2\text{)} \times 0.0122 \text{ m} = \text{Capacity Required m}^3$$

2. The following conditions shall also apply :-
 - 2.1 All soakwells installed in paved or concreted areas shall be provided with trafficable lids accessible for maintenance purposes.
 - 2.2 Soakwells to be no closer than 1.0m to a footing or boundary
 - 2.3 All soakwells used shall be of an approved manufacture and standard. PVC soakwells are not acceptable in areas subject to vehicular traffic.
 - 2.4 All soakwells installed within flexible pavement areas (bitumen or brick paving) shall be provided with an approved base to prevent any subsidence of the well liners.
 - 2.5 Soakwells shall be used only where soil and groundwater conditions are suitable and require a minimum of 1200mm depth from the proposed finished level to the maximum groundwater level.



SOAKWELL SIZES AND CAPACITIES		
Diameter (mm)	Depth (mm)	Capacity (m³)
900	600	0.38
900	900	0.57
900	1200	0.76
1070	600	0.54
1070	1200	1.09
1200	600	0.68
1200	900	1.02
1200	1200	1.36
1200	1500	1.70
1500	600	1.06
1500	1200	2.10
1500	1500	2.65
1800	600	1.53
1800	900	2.29
1800	1200	3.05
1800	1800	4.58

