GENERAL SWALE NOTES:

1. Swales in the footpath may be grassed (refer BSD–8305) or bioretention (refer BSD 8307) and shall be located at park frontages only.
2. Swales in the median may be either grassed or bioretention.
3. Swales are generally not suitable on roads with longitudinal grade less than 0.5% or greater than 5%.
4. It is the designer's responsibility to demonstrate that the roadway and swale capacity is sufficient to convey major and minor flows, and major events are contained within the road reserve or lesser depth to provide freeboard as per QUDM section 7.3.15.
5. Verge swale preferred in greenfield locations where water reticulation is located on the land side.
6. The depth velocity product ($h 
\cdot \nu_w$) in the swale shall be limited in accordance with QUDM section 7.4.2. General requirements for pedestrian safety (typically 0.6 m/s or 0.4 m/s in high risk areas).
7. Designers shall incorporate features that prevent or discourage the driving or parking of vehicles on the swale.
8. Where bollards are used, consideration should be given to intermitting mature tree plantings.
9. Swales shall be constructed in accordance with the standard notes shown on BSD–2001.
10. Service alignments adapted from BSD–1013.
11. Minimum depth of cover to services to be in accordance with BSD–1014.
12. Swales fronting parks may not require an underscreen and shall be assessed on a site by site basis. Swale underscreen details as per per BSD–8305.