**ENGINEERING DESIGN PLANS REVEIW CHECK LIST – SORELL COUNCIL – August 2014**

***ROADS:***

* Read all Permit conditions to make sure the consultant has covered all items.
* Check standard notes match Council’s standards.
* Check plans against Council’s Standard Drawings.
* Check road widths
* Check thickness of pavement layers.
* Check type of kerb and gutter, dry kerb, rollover K&G, etc.
* Check size of parking bays – typical cross section.
* Check thickness and width of footpaths, shared pathways, pavement depth under paths.
* Check thickness and width of accesses, singles/doubles, pavement depth under accesses.
* Check consultant’s calculations for pavement depth in relation to traffic loads and CBR values. Does consultant allow for subgrade improvement and/or geotextile fabric? (Especially in Sorell district – expansive clays).
* Has consultant allowed for garbage bin storage (on collection days) on roadside with no footpath?
* Check road gradients including cross falls (within standard limits), levels at junctions (drainage gets away or sits in low spot, too steep/flat) and cul-de-sac heads (<8% and drainage).
* Check accesses on steeper sites or areas of reasonable cut/fill.
* Are the accesses workable on site?
* Check drawing numbers/revision numbers and all notes on plans.

***STORMWATER:***

* Check that all lots have a minimum 150 diameter stormwater connection to the lowest point of the block.
* Check plans and manhole numbering coincides with longitudinal sections and vice versa.
* Check falls through manholes meet Council standards.
* Check all gradients on lines – should be shown as a percentage (%).Lines >17% require anchor blocks as per standard drawings.
* Check stormwater notes on plans.
* Make sure there is sufficient cover to pipes and that stated class has minimum cover.
* Has engineer provided calculations for sizing pipes including potential future subdivisions in same catchment area above or below this development – plans need to be included with calculations?
* Has the development allowed for WSUD in the way of GPT and/or rain gardens/open swales etc. (Check permit conditions).
* Will the stormwater outfall affect Council’s assets and/or Ramsar site?
* Are pipe types suitable for Council to take over as an asset? (i.e. fibre reinforced pipes, recycled plastic pipes, etc are not suitable).