

Erosion and Sediment Control

1. Objectives

The objectives of these controls are to:

- prevent the pollution of waterways in Temora Shire by sediment loss from building and development sites
- provide simple and practical methods for erosion control on building and development sites

2. Erosion and sediment control

Erosion and sediment control is a 2-stage process. Stage 1 is the application of erosion control measures within the site to minimise erosion and sediment loss. Stage 2 is acknowledging that some erosion will occur and to implement measures to intercept sediment, and retain it on the site. Three reasons for erosion control

- Erosion and sediment control is part of good site management;
- Erosion and sediment control is good for our local environment; and
- Effective erosion and sediment control can save money.

3. Effective erosion control

The following is a simple checklist to achieve effective erosion control:-

- consider clearing and grading with the building layout design
- limit grading to areas of construction only
- minimise the length and steepness of slopes
- limit the time unprotected areas are exposed to rain and wind
- intercept, divert and dispose of clean runoff onto all disturbed areas
- consider installing permanent stormwater drainage on land as part of the first stage of building or development
- reduce runoff velocities by minimising length of flow paths, constructing channels with gentle gradients and providing rough linings to steeper channels
- use temporary vegetation or mulch to disturbed areas including soil stockpiles
- progressively stabilise all disturbed areas with permanent vegetation
- trap sediment as close to the source as possible
- locate sediment traps or filters below all disturbed areas
- locate sediment filters above environmentally sensitive areas such as creeks, streams, lakes and steep slopes
- subdivide drainage catchments into smaller units appropriate to the type of sediment control

- use sediment traps or basins as the most effective control of concentrated runoff flows
- use sediment filters as the most appropriate means of controlling sheet runoff flows
- identify existing vegetation which has the potential to filter sediment laden sheet runoff flows
- locate multiple sediment basins or major sediment traps so that they drain in parallel, not in series, to reduce the risk of total failure

4. Relevant Section C - Development Controls

The following other parts of *Section C – Development Controls* relevant to Erosion and Sediment Control includes:

- *Car Parking*
- *Commercial Development*
- *Development Applications*
- *Development in the B6 Enterprise Corridor Zone*
- *Engineering Standards*
- *Industrial Development*
- *Landscaping*
- *Large Lot Residential Development*
- *Notification of Development Applications*
- *Subdivision*
- *Temora Aerodrome Estate*
- *Village Development*