

## Salinity Affected Development

For those developments that are located in areas with high ground salinity, S<sub>2</sub>S stipulates that like all other residential development there are performance targets. However the focus changes from water quantity management to an approach which seeks to manage water quality while preventing infiltration of runoff because in some cases it might increase salinity problems. Please ask Council if your proposed development is located in a salinity affected area.

## Exempt Development

Where rural residential or farm development cannot be physically connected into any common drainage system, it shall be exempt from complying with the water quantity management performance target. Other performance targets, e.g. water quality during construction and BASIX, remain applicable.



Above: Sketch of a rain garden



Above: Photo showing a slimline rainwater tank

## Modern Rainwater Tanks

Slimline rainwater tanks are a great way to store rainwater without taking up much space. Modern rainwater tanks come in all shapes and sizes, they can be buried in the ground or placed in watertight bladders stored below your house.

Rainwater can be used to supply toilets, laundry, hot water and for all your outdoor needs such as washing the car. Rainwater tanks can also be placed to take the afternoon sun off a western

# Residential Development

## S<sub>2</sub>S - Stormwater to Smartwater

*Securing the Sustainable Growth of all our Communities*



S<sub>2</sub>S - Stormwater to Smartwater was initiated by the Central West Salinity & Water Quality Alliance Councils with support from the Central West Catchment Management Authority.

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**SALINITY**  
&  
**WATER QUALITY**  
**ALLIANCE**

## What is S<sub>2</sub>S - Stormwater to Smartwater?

S<sub>2</sub>S - Stormwater to Smartwater is the name given to Council's plan to improve stormwater management across the area. The same plan is being applied across the Central West.

This brochure provides residential developers with some basic information about S<sub>2</sub>S such as why it has been adopted & how it will affect your residential development. Importantly it identifies two documents that you will need to use to enable you to comply with the plan.

S<sub>2</sub>S is applicable to all development but this brochure is intended only for residential development and residential alterations and additions which require Development Approval.

### A Unified Approach

Thirteen Councils in Central Western NSW have formed a group called the Central West Salinity & Water Quality Alliance to create a unified approach to managing stormwater across the Central West region.



Above: Typical rainwater tank tank.  
Left: Photo of a raingarden adjacent to a new development

### S<sub>2</sub>S - Stormwater to Smartwater aims to:

- Promote best practice stormwater management
- Protect our groundwater, creeks, rivers and wetlands by improving the quality of runoff
- Protect human health by improving the quality of runoff
- Manage all the impacts of new development including salinity, runoff quantity & quality
- Use our landscapes more effectively by integrating stormwater management
- Protect our land, creeks and rivers from erosion and siltation
- Add value while minimising development costs

## How Can We Comply?

There are two important documents that you must read and understand and which will help you work out what you need to do to comply with S<sub>2</sub>S. The documents are:

- S<sub>2</sub>S - Stormwater to Smartwater
- S<sub>2</sub>S - Stormwater to Smartwater - Supporting Technical Guidelines

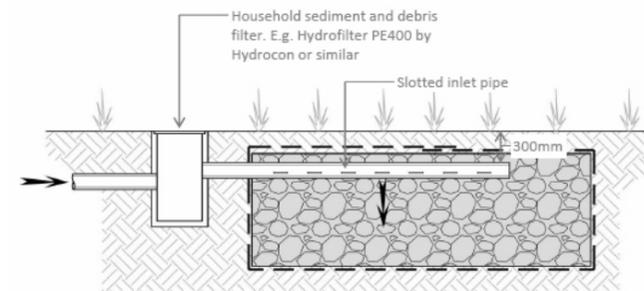
Both of these documents are available from Council or on the internet at:

[www.cw.cma.nsw.gov.au/S2S](http://www.cw.cma.nsw.gov.au/S2S)

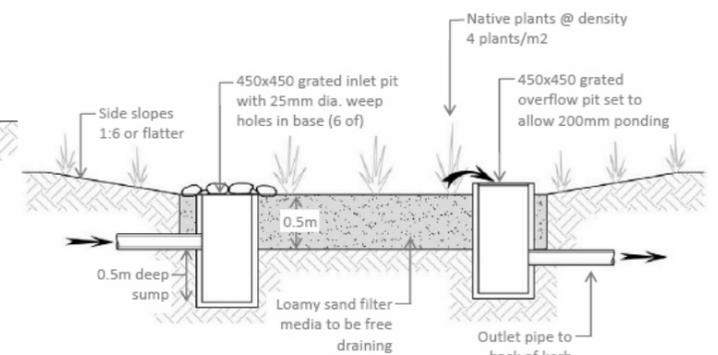
*"S<sub>2</sub>S - Stormwater to Smartwater is all about choice. You need to choose the best way to comply with S<sub>2</sub>S and the NSW Governments BASIX scheme. For some it will be with a rainwater tank and rain garden. For others it might be using permeable pavers and an infiltration trench."*

## Why do we need S<sub>2</sub>S?

S<sub>2</sub>S has drawn on the traditional knowledge and practical common sense that has always been a feature of our rural communities. S<sub>2</sub>S supports development needs with simple step-by-step, easily-adopted, low-cost solutions. S<sub>2</sub>S is in place to ensure that small or even extensive development can continue without compromising the quality of our water or the sustainable growth of our communities.



Typical Infiltration Trench



Typical Raingarden

## What do we need to do to comply with S<sub>2</sub>S?

A scientific investigation has been undertaken to establish what needs to be done to meet S<sub>2</sub>S aims. To meet its aims S<sub>2</sub>S has established two requirements for residential development. These are:

### 1. Manage the quantity of runoff

You must do this by choosing between installing a

### Encouraging Best Practice

S<sub>2</sub>S has been developed to encourage best practice in stormwater management. The creation of fewer impermeable surfaces by using permeable paving instead of concrete



or traditional pavers will reduce both runoff and pollution. Rainwater tanks also help to reduce runoff & pollution from your land. If you chose to use permeable pavers and or a rainwater tank you will reduce your S<sub>2</sub>S obligations to a minimum.

raingarden or infiltration trench. S<sub>2</sub>S contains step by step guides and tables which will help you work out the minimum acceptable sizes required. The Supporting Technical Guidelines provide you with the technical details and minimum requirements for getting your Development Application approved.

If you also choose to install a rainwater tank the minimum size of your raingarden or infiltration trench might be reduced. Note you may have to install a rainwater tank under BASIX anyway.

## 2. Manage the quality of runoff during construction

Managing runoff during construction can be achieved easily and cheaply by putting in place measures to prevent sediment from leaving your building site. S<sub>2</sub>S asks you to prepare a plan showing how you will prevent sediment from leaving your building site.

## How does S<sub>2</sub>S affect BASIX?

In addition to the two S<sub>2</sub>S requirements noted above most developments may also need to obtain a BASIX certificate. BASIX is aimed at reducing energy and water consumption.

S<sub>2</sub>S lets you choose whether to install a rainwater tank or not. Your BASIX obligations may require you to install a rainwater tank. However if you choose to install a larger rainwater tank than is required by BASIX & the scientific investigation undertaken shows this will help achieve your two S<sub>2</sub>S requirements then S<sub>2</sub>S recognises this and will allow you to reduce the size of your raingarden or infiltration trench accordingly.

It is therefore recommended that you work out how to comply with both S<sub>2</sub>S and BASIX before you obtain a BASIX certificate.