



Web Page



# Critical Drainage Area (CDA)

## Cornwall – Saltash

February 2017

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**Catchment Drainage / Flooding Issues**

The catchment area that drains to the Latchbrook Lead is steep and heavily urbanised with significant new development planned or proposed. There is a history of flooding within the communities of Burraton Coombe and Forder and to ensure flood risks are managed more robust controls are required on surface water drainage from new development. The drainage standards in the Latchbrook Lead catchment are **different to those used in other Critical Drainage Areas** and have been agreed in partnership with the Local Flood Authority.

In this catchment SUDS design should include features to manage water quality to protect the interest features of the Plymouth Sound and Estuary Special Area of Conservation.

**Additional contributions**

A Flood Alleviation Scheme exists on the Latchbrook Lead. This includes channel improvements through Forder Village and a flood water storage reservoir upstream of Burraton Coombe.

Significant development in the catchment may reduce the standard of protection provided by this scheme in extreme events. Therefore in addition to meeting run-off within the catchment, further financial contributions to modify the scheme will be required for large scale developments.

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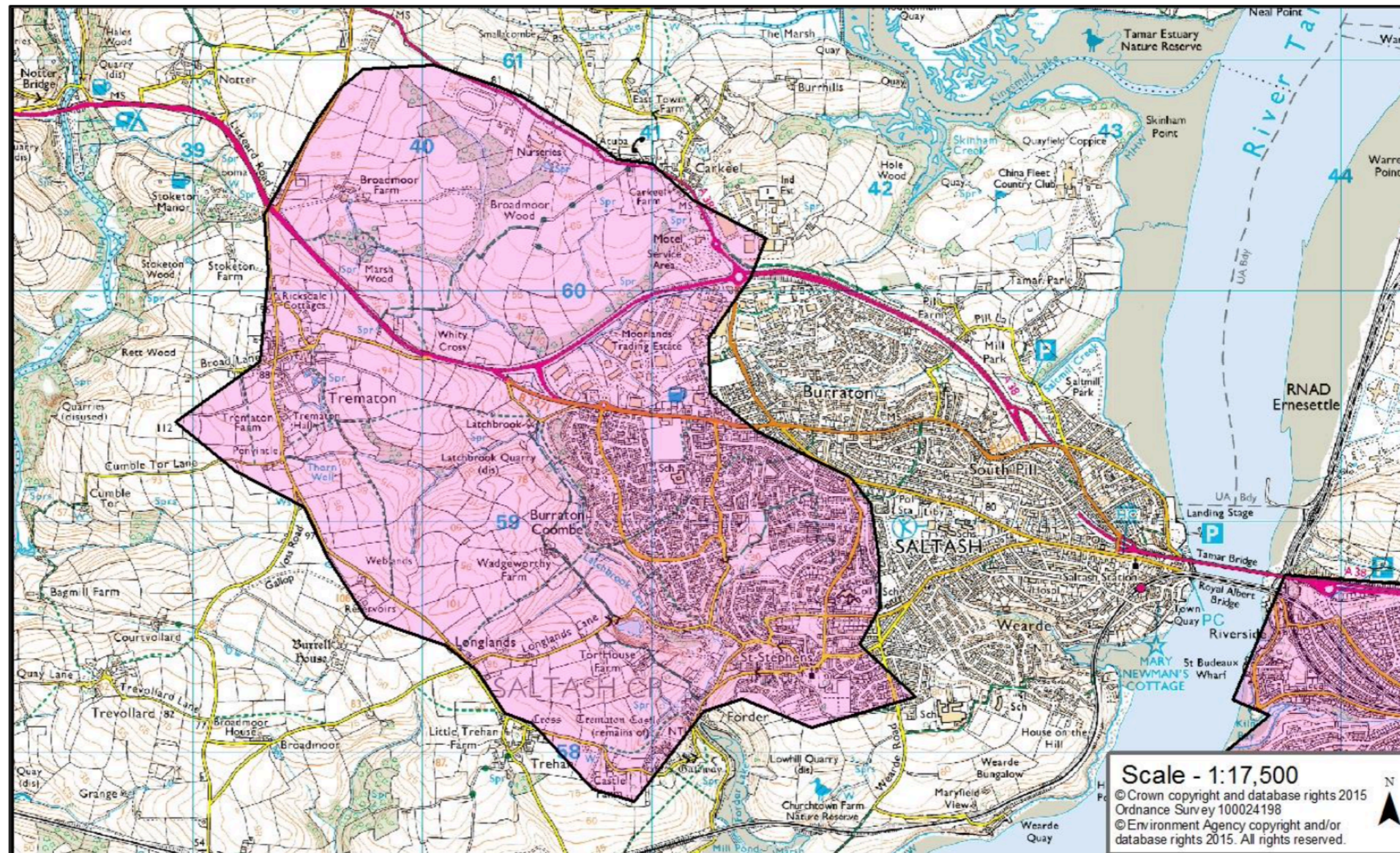
**Minimum Drainage Standards Required**

All new developments will have to play their part in reducing current rainfall runoff rates. This requirement also applies to brownfield sites that will have to match the same standards. The surface water drainage hierarchy should be followed by using infiltration as far as is practicable. Further guidance on such systems can be found in the Critical SUDS Manual and in Local Flood Authority guidance.

All off-site surface water discharges from developments should meet grassfield performance up to a maximum 1 in 1 year discharge rate. On site all surface water should be safely managed up to the 1 in 100 plus climate change conditions. This will require additional water storage areas to be created thereby contributing to a reduction in flooding downstream.

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