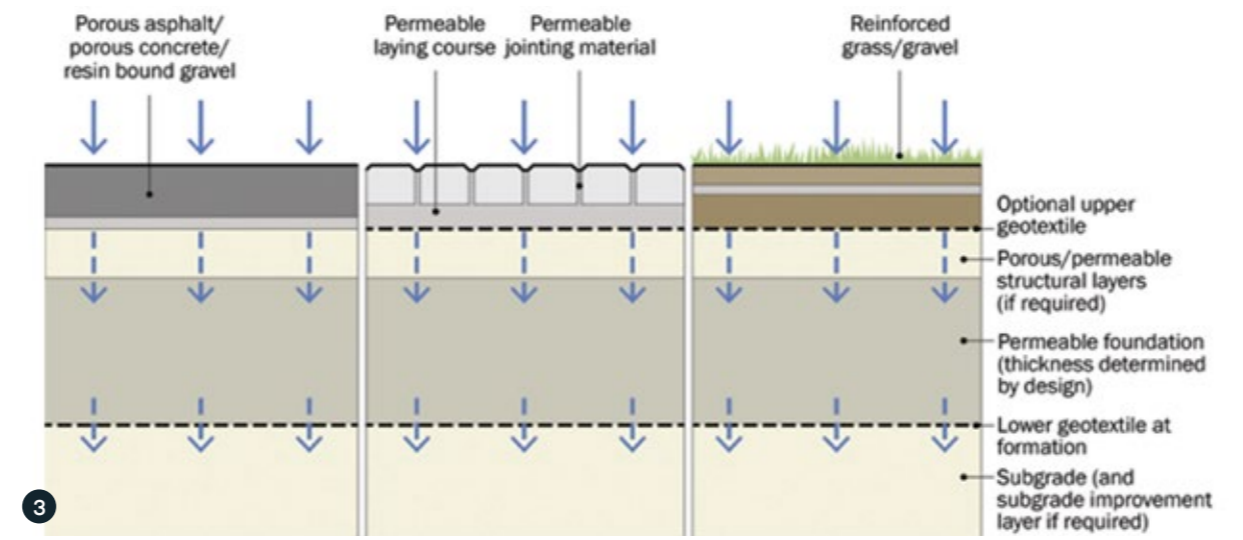


# Sustainable surface water drainage strategy design principles

A fully integrated surface water drainage strategy has been established and will be achieved by:

- Promoting positive management of surface water which addresses the constraints of the site
- Reducing the reliance on a traditional piped drainage systems where possible
- Adopting a variety of sustainable drainage solutions and replacing significant existing concrete hardstanding to positively manage surface water drainage such as permeable paving and gravel areas of hard surfacing and significant areas of soft landscape
- Ensuring use of SUDs features to be included across the site in order to enrich and improve the amenity of open spaces for residents to enjoy
- Increase biodiversity benefits through establishing a variety of habitats
- Reduce the discharge rates by slowing the flow of surface water run-off and provide attractive landscape features
- Promote areas of significant green infrastructure where possible to increase evapotranspiration rates within the site
- Permeable paving to remove a wide range of pollutants from runoff, so improving water quality. The pollutants may either remain on the surface or be flushed into the underlying pavement layers, where many are filtered and trapped, or degrade over time
- Native planting familiar with the local habitat will filter water through their root systems, and provide ground cover to lessen runoff and erosion



**Key**

1. Permeable entrance natural stone paving
2. Buff coloured loose gravel drive
3. Total infiltration pervious system types diagram
4. Mixed native hedgerow to promote species diversity
5. Mixed native planting to filter water

**General Notes**  
 These plans have been prepared for submission to the local authority for town & county planning and/or building regulation purposes only and do not constitute full working drawings. Do not scale from this drawing.  
 Information noted on these plans or accompanying documents/details is not exhaustive, and the contractor to check with client as to any additional work not specifically noted or implied.  
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client  
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project  
**Light Industrial Site Waddington**

title  
**Condition no. 17 Surface Water Drainage**

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