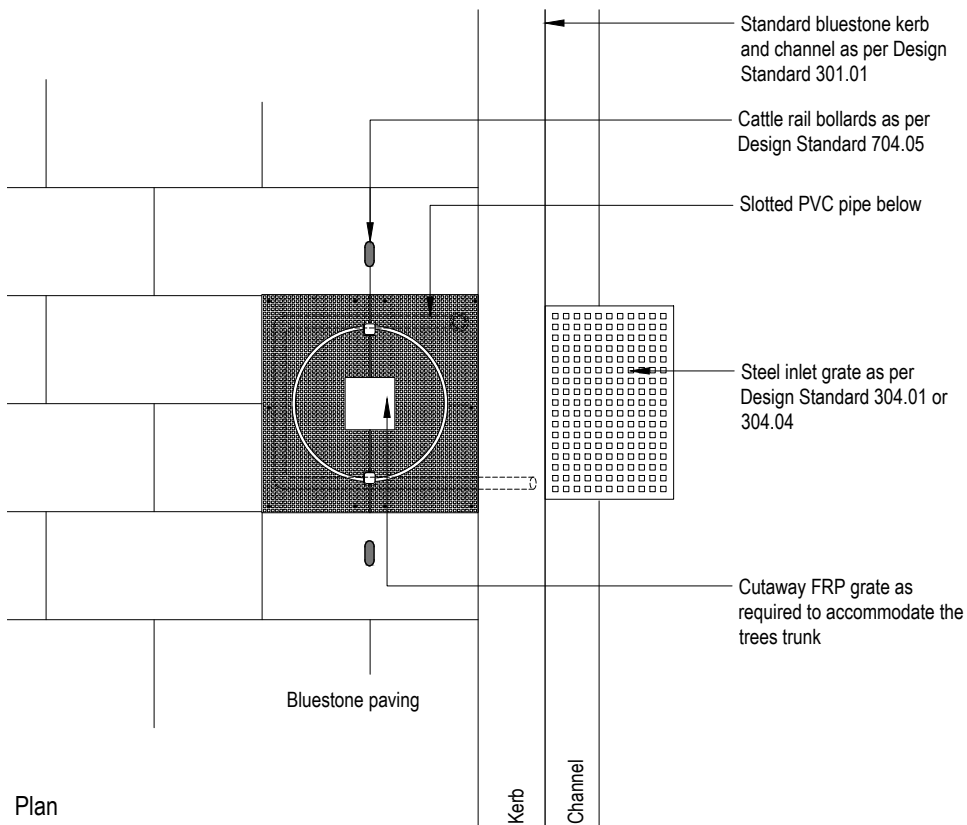


Section



Plan



This bio-retention type tree pit is for use in bluestone footpaths in the Central City and Docklands.

Bio-retention tree pits differ from regular tree pits, as they divert stormwater before it flows into our drains. They filter out litter, oil and other pollutants washed from streets, car parks and roofs before it enters our waterways, and ultimately Port Phillip Bay.

After rain, water collects around the tree before it filters through a fast draining soil, thus watering the tree. Water then passes through a sand and gravel layer where it is collected via a slotted pipe connected to the main stormwater drain. This process ensures a cleaner stormwater discharge from the street, and reduces the need for supplemental watering of trees and plantings.

All bio-retention systems need to be designed by a stormwater engineer to ensure the design includes a sufficient level of retention capacity and provides an adequate level of treatment within the specific catchment area.

Trees are to be of good form, health, structure and free from pests and disease. Tree species to be chosen in collaboration with the City of Melbourne's, Urban Forest and Ecology Branch.