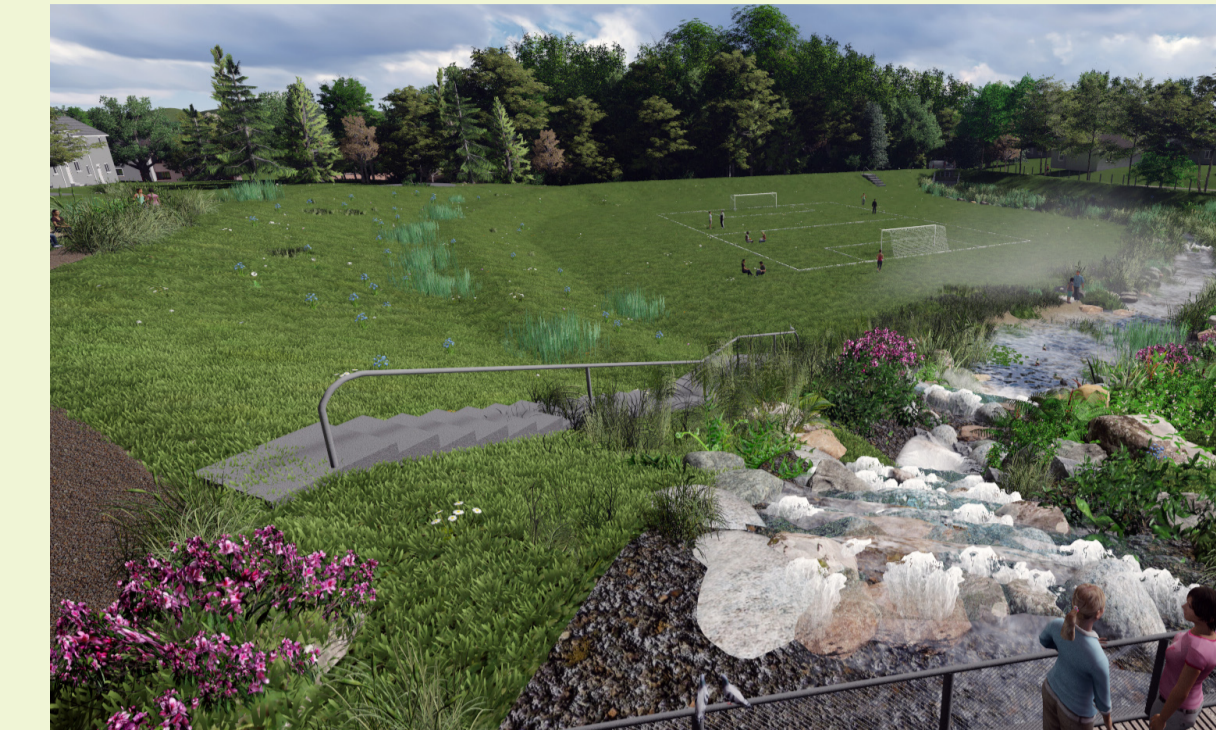
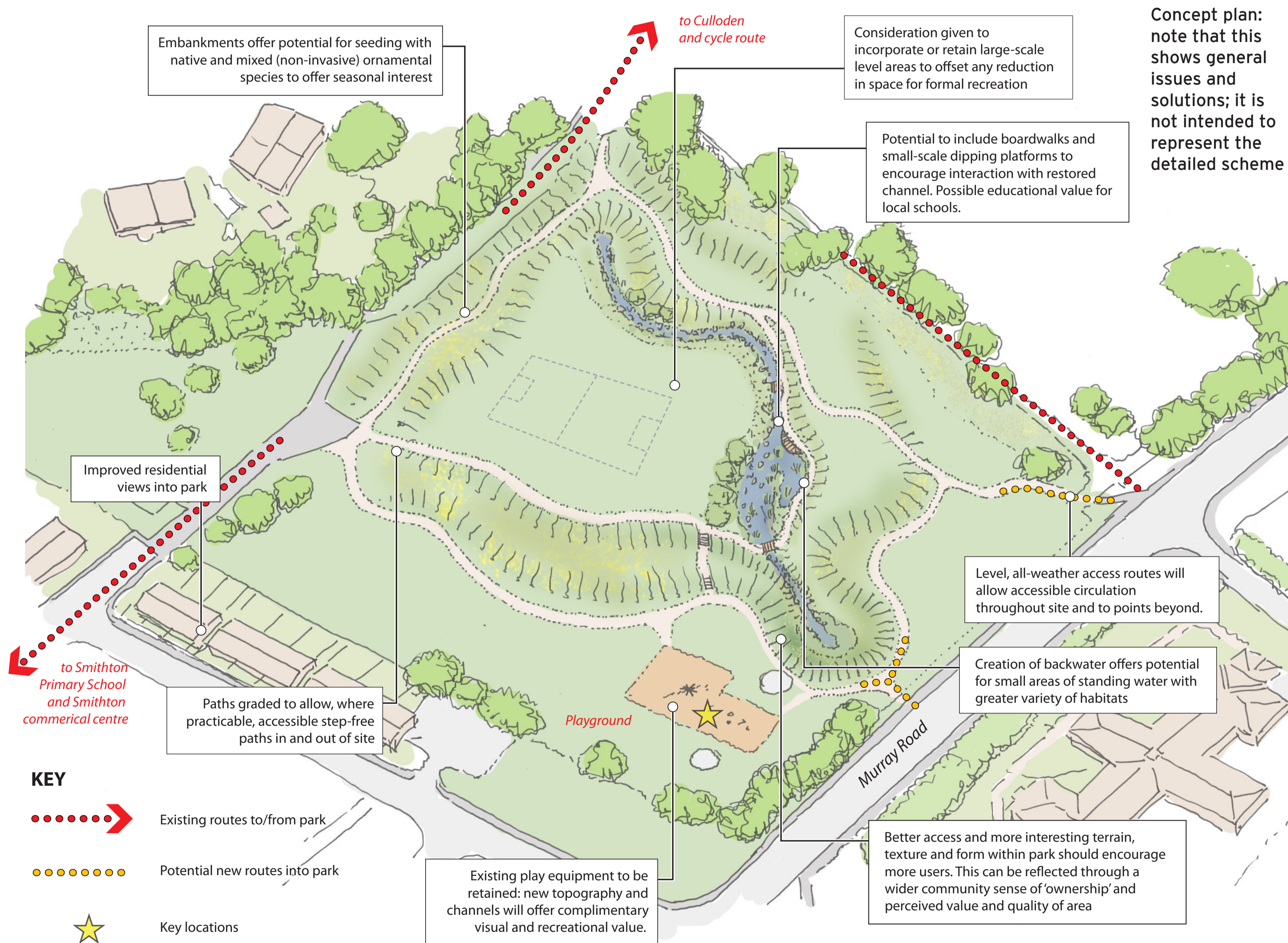


# 10 What is proposed for Smithton Park?

Smithton Park was created by infilling a valley during the development of the area, which resulted in the culverting of Smithton Burn for a distance of 230m. This culvert capacity is limited and prone to blockages by sediment. This sediment often also blocks the channel further downstream. During flood events, the water overtops the channel and flows into the surrounding residential areas.

Our proposals will remove the culvert and create a 170m length of shallow channel. This is a continuation of restoration works to the south of Murray Road. A new flood storage area will hold back high flows, accommodating volumes of around 9000 cubic metres. A 'hydrobrake' will control flow out of this storage area. The scheme is designed for simple, low-cost maintenance.



Concept visualisation, showing naturalised channel



Concept visualisation, showing channel and play area

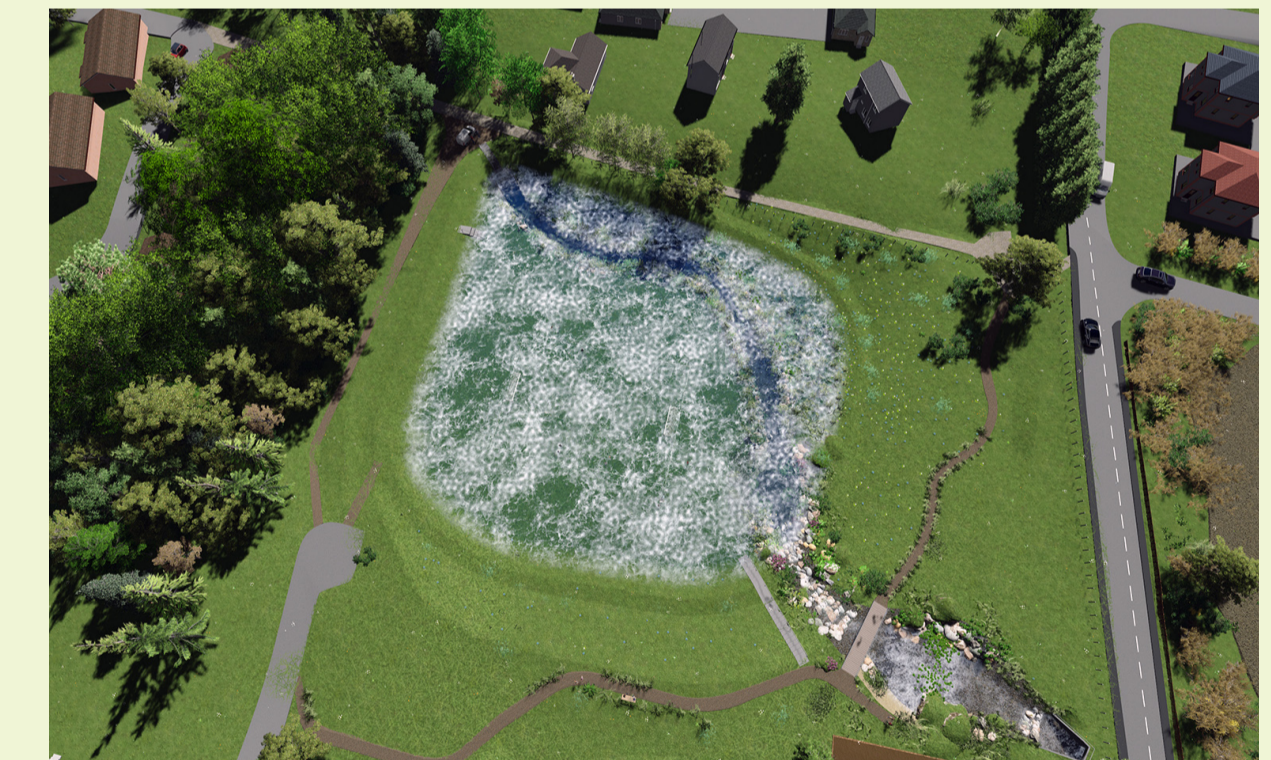
We will look to retain space for formal sports and recreation. It is intended to reinstate the kick pitch and improve the drainage, resulting a much-improved facility.

### Will it be safe?

Yes. The flood storage area is designed for extreme flood events and to be used by the community on a day-to-day basis. Flood water will only be stored during high flows, which have a 3.33% annual probability of occurring, or to put it another way, once every 30 years. During a flood, water will gradually fill the storage area over a period of hours. When full, the maximum depth of water will be around 1.5m. Safe, dry access will be available around the storage area that can be used by the public or the emergency services. In very rare events, less than 0.5% annual probability in any year, flood water will spill over the embankment back into the stream channel.



Concept visualisation, showing storage area empty during 'normal' flows



Concept visualisation, showing storage area temporarily full during high flows



Sites such as Smithton Park may be suitable for 'instant effect' wildflower planting



New routes will be accessible to all

The open watercourse will include a variety of features that will provide visual, ecological and amenity interest. The park will be fully accessible and offer a more varied and exciting experience, providing opportunities for close interaction with wildlife and education. It is also intended to create a new play area, which will complement the natural recreational value provided by the modified landform and burn.