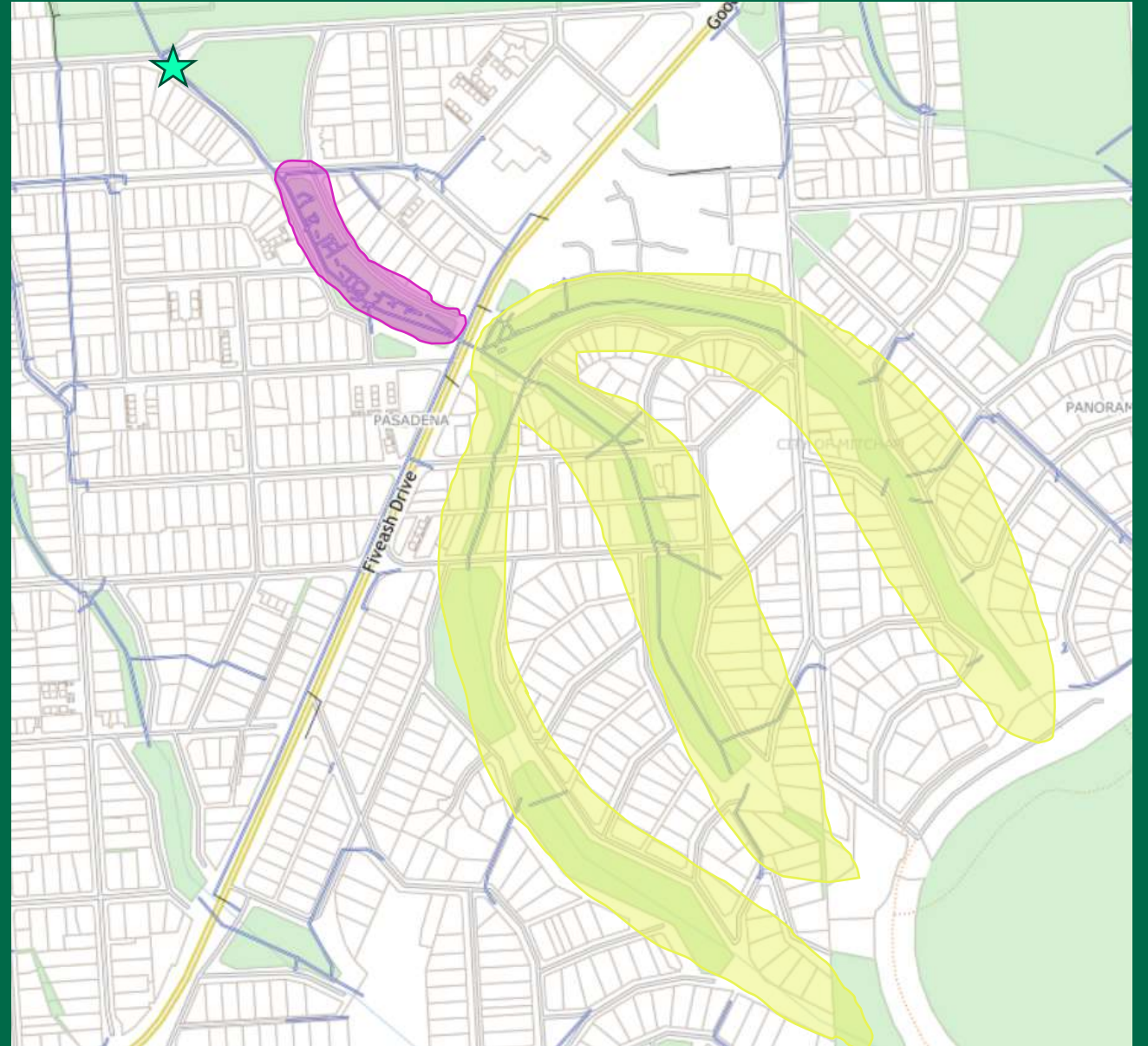


# Smart stormwater opportunities in the City of Mitcham



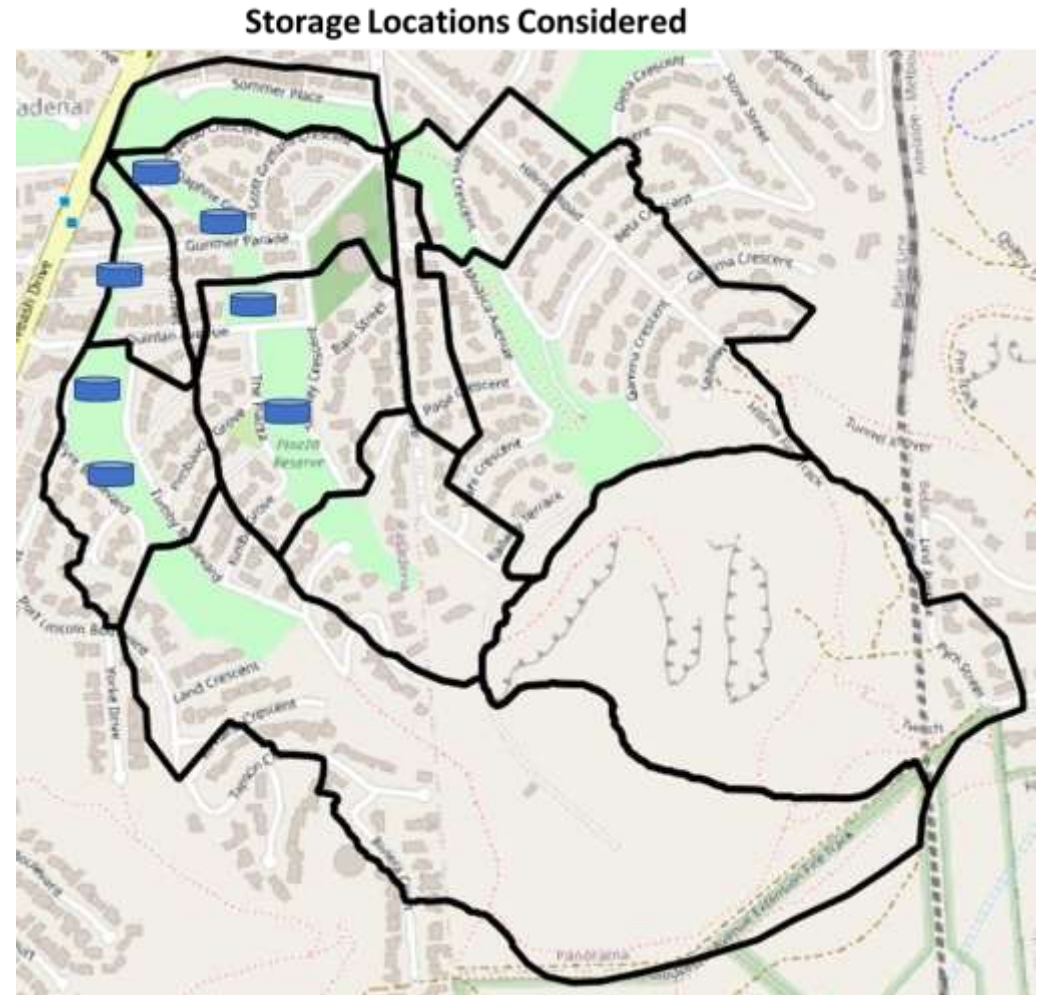
# Partnership with University of Adelaide

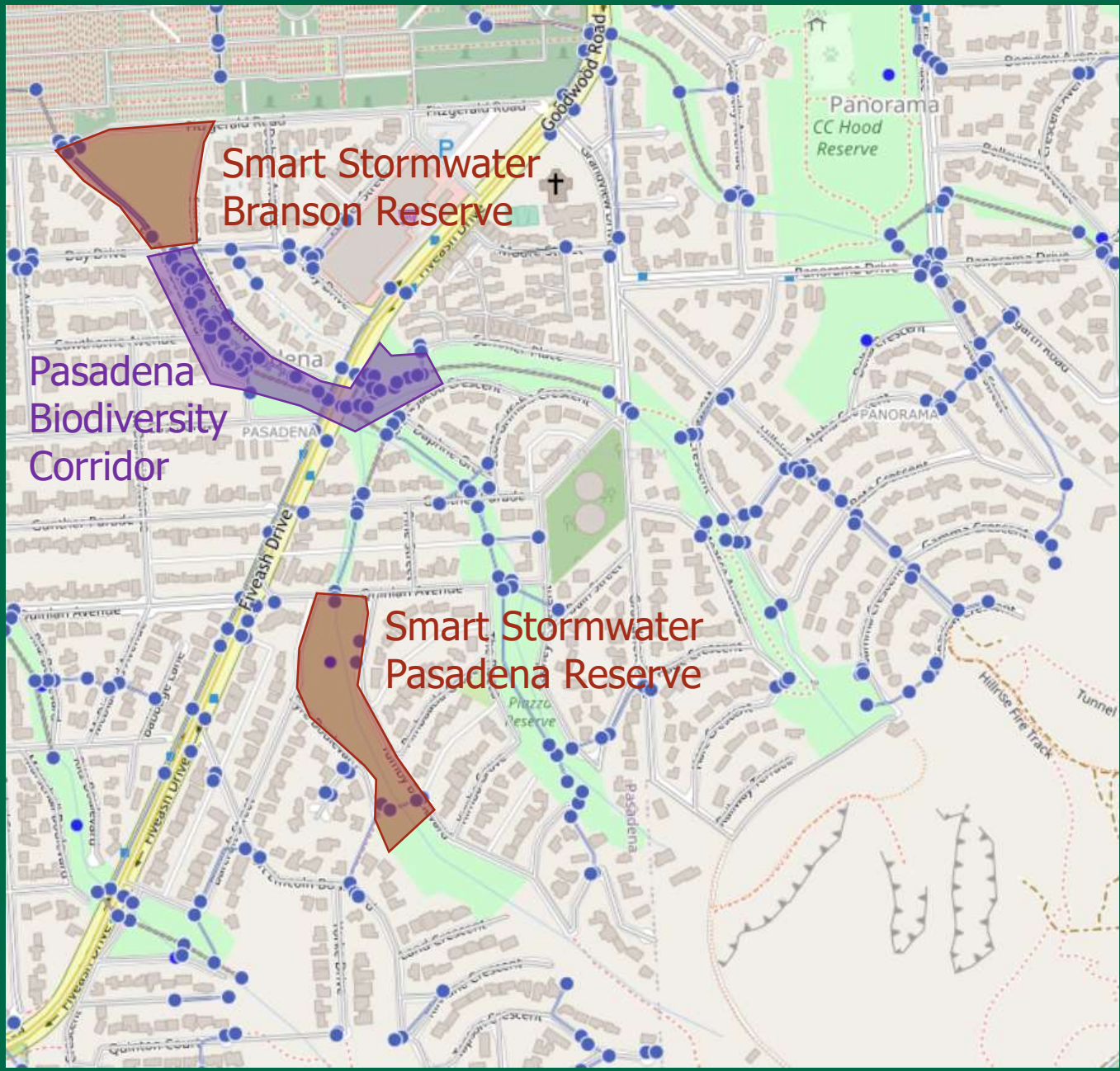
From the theoretical to practical



# Practical interpretation

- **Lots of modelling options needs some defined parameters**  
(e.g. minimum pipe size for outlet, desired flow rates at end of system, maximum storage volume at defined location etc.)
- **Priority Trade-offs**  
(Do you want to minimise the downstream peak flow or just reduce it to achieve a target flow?  
What costs are implicit in storage location decisions i.e. in-stream vs underground and available volume)
- **Need to make decisions on direction of project when multiple options look promising**  
May achieve similar results with alternative storage arrangements but need to choose one option to continue modelling.

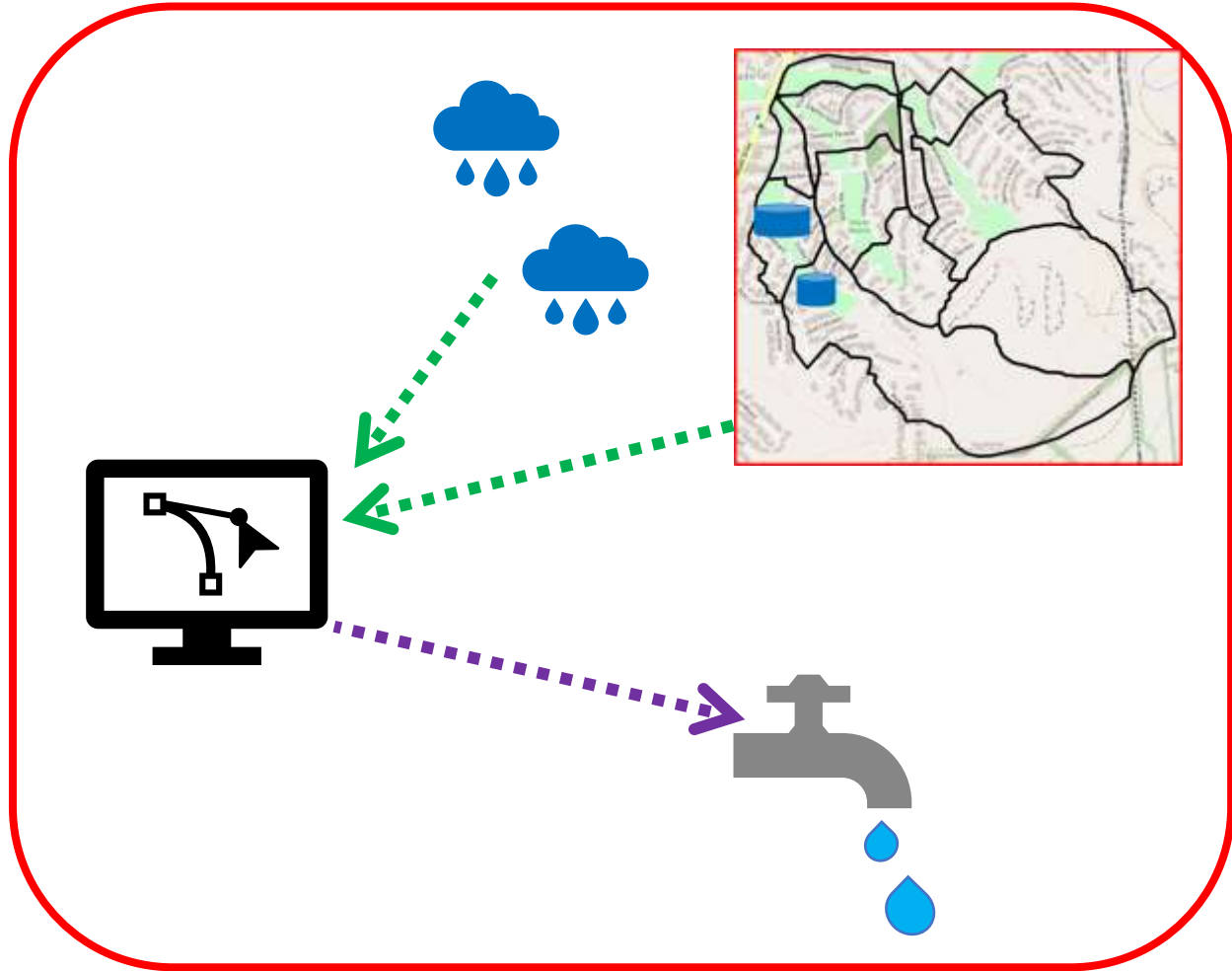




# Outcomes of the modelling project

# Practicality meets Theoretical

- Definitely a collaborative project, different approaches to the thinking supported the most practical outcomes
- Still a lot of work to understand how Council might be able to deploy smart stormwater management



# Investigation

- City of Mitcham and the University of Adelaide are investigating further how to feasibly deploy a smart stormwater system in this catchment
- Investigating:
  - Site feasibility and style of storage
  - Environmental impact and opportunities
  - Flow monitoring
  - Operational and depreciation costs
  - Inspection and maintenance accessibility
  - Services
  - Gross pollutants and sediment
  - Redundancy





**CITY OF MITCHAM**