

Design Configurations

Biofilter Design

Design will depend primarily on

– System objectives

- Pollution control
- Stormwater harvesting, etc

– Site characteristics

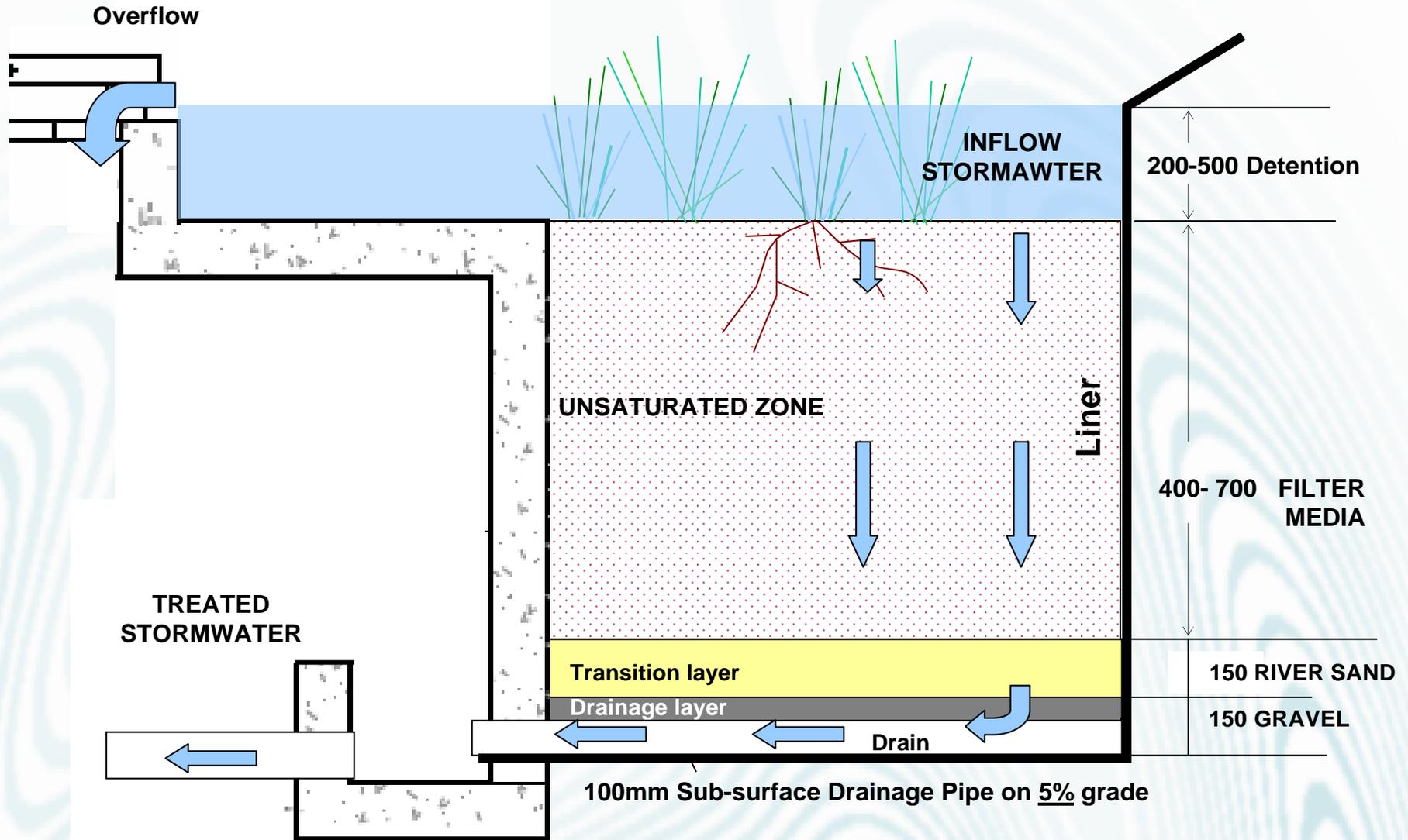
- Climate
- Available space
- Surrounding soil type
- Opportunities & constraints

Biofilter Design

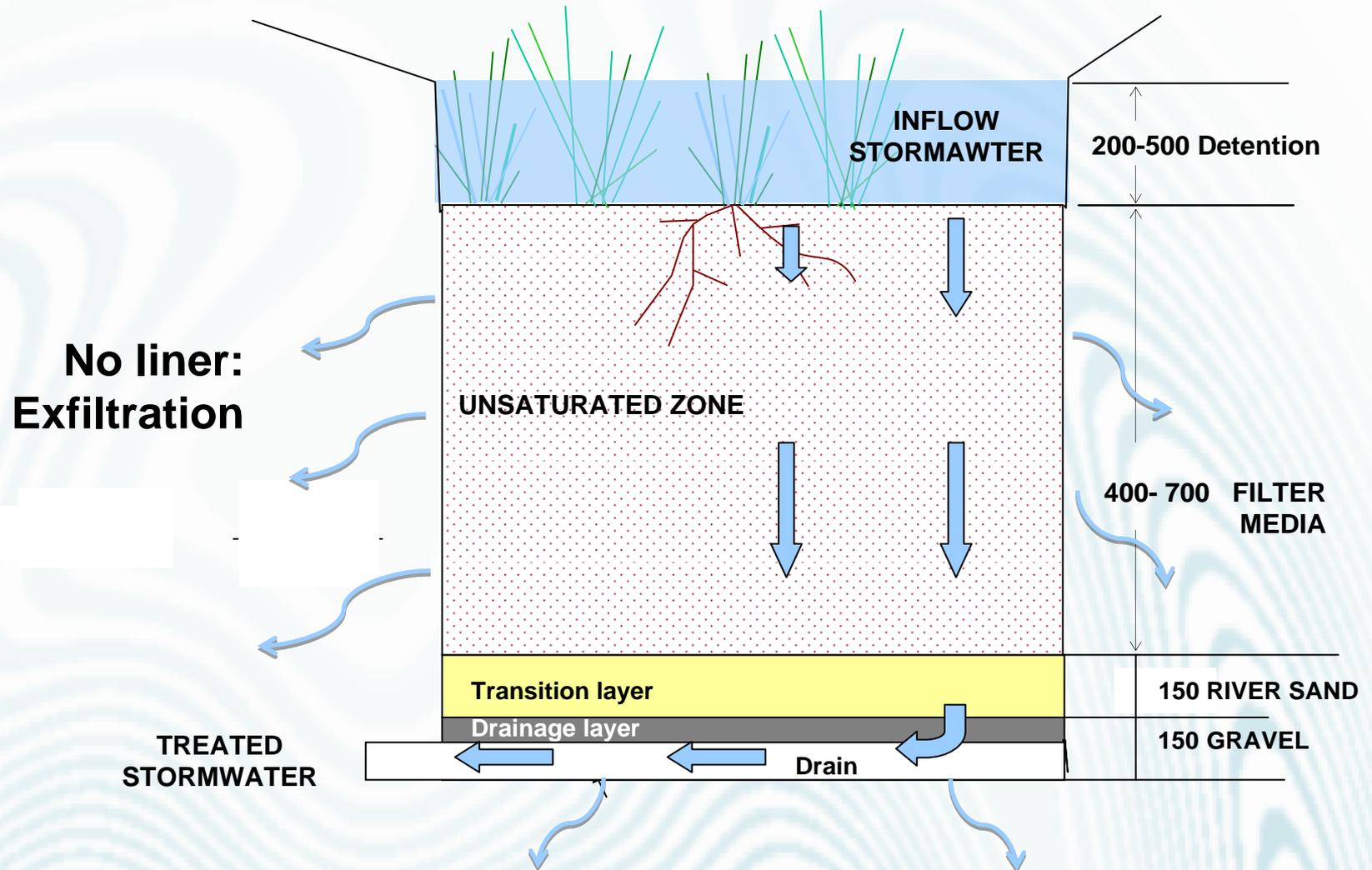
Key design components are:

- Filter media
- Plants
- Drainage
- Lining (non-lining)
- Submerged zone

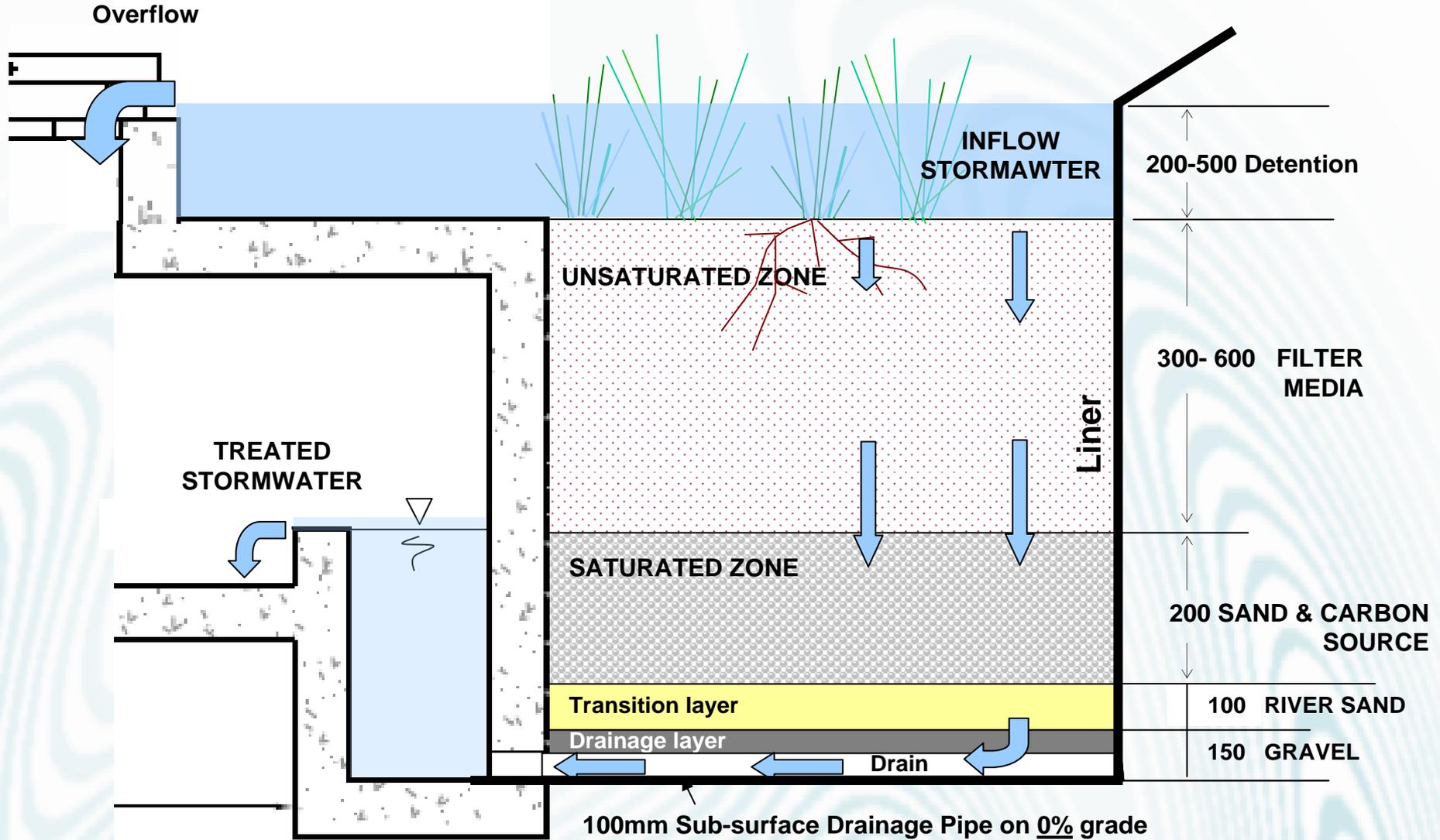
Standard Design: Lined system



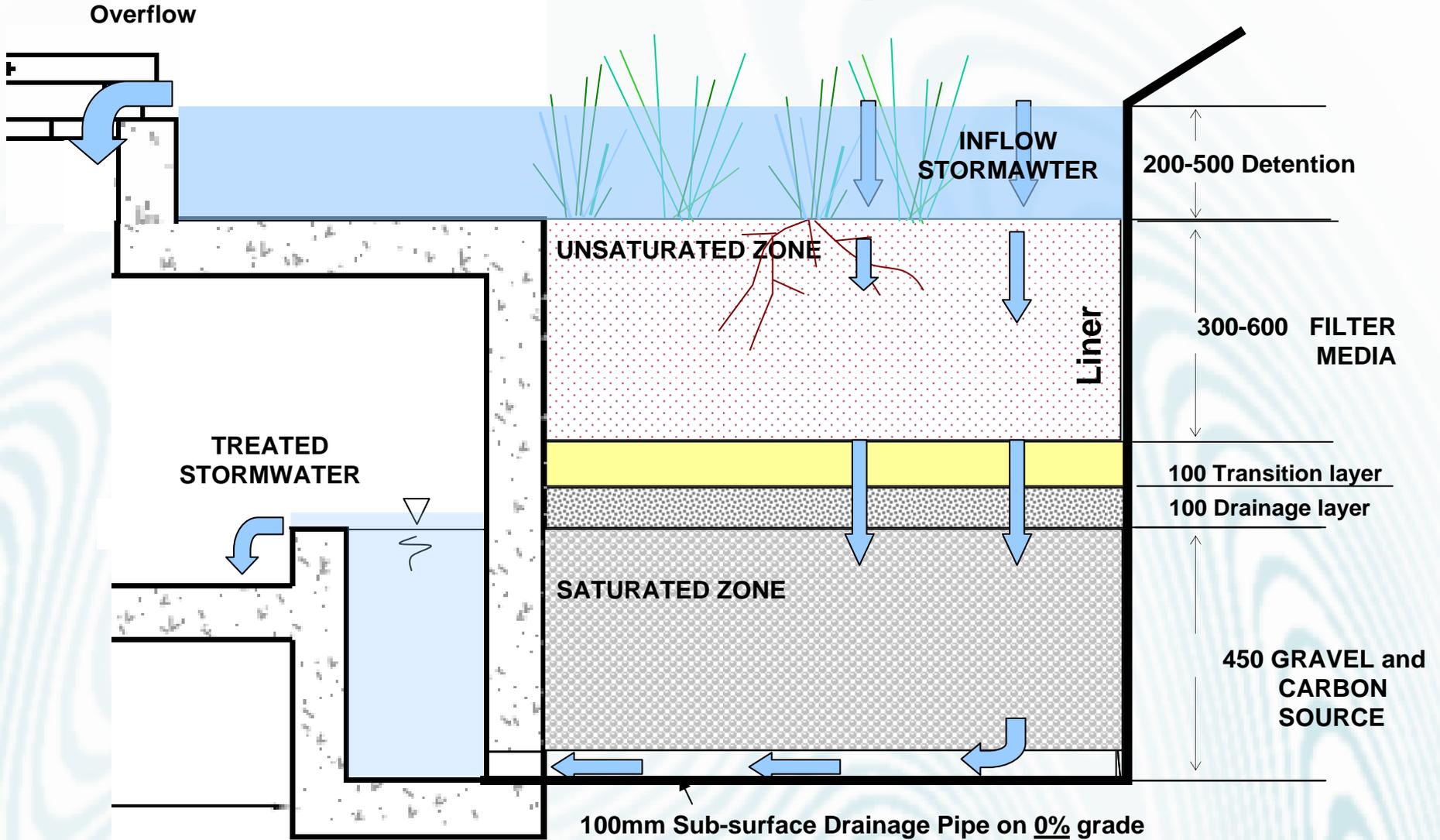
Standard Design: Unlined system



System with Submerged Zone 1



System with Submerged Zone 2



The Program

- Coffee
- 1. Media selection – Belinda Hatt
- 2. Sizing – Tim Fletcher
- 3. Plants – Tim Fletcher
- 4. Discussion - Tony
- Lunch
- 5. Design enhancements (SZ, etc) – Ana Deletic
- 6. Performance – Belinda Hatt
- Coffee
- 7. Key recommendations

Questions?