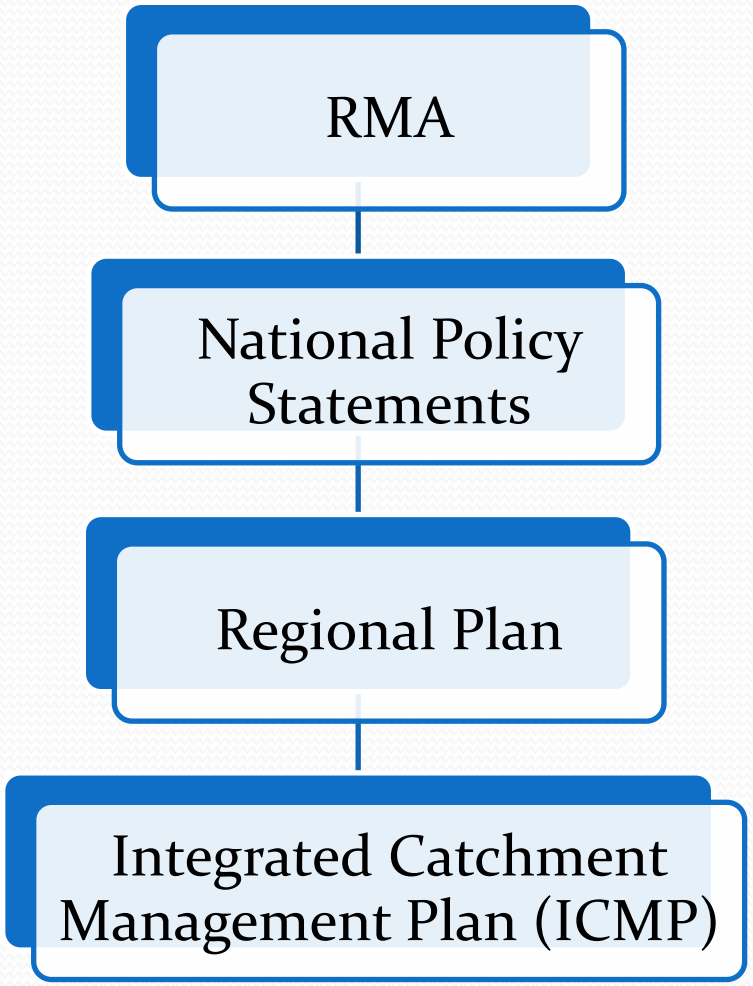
Bio-filtration Raingarden, from Design to Built

CKL

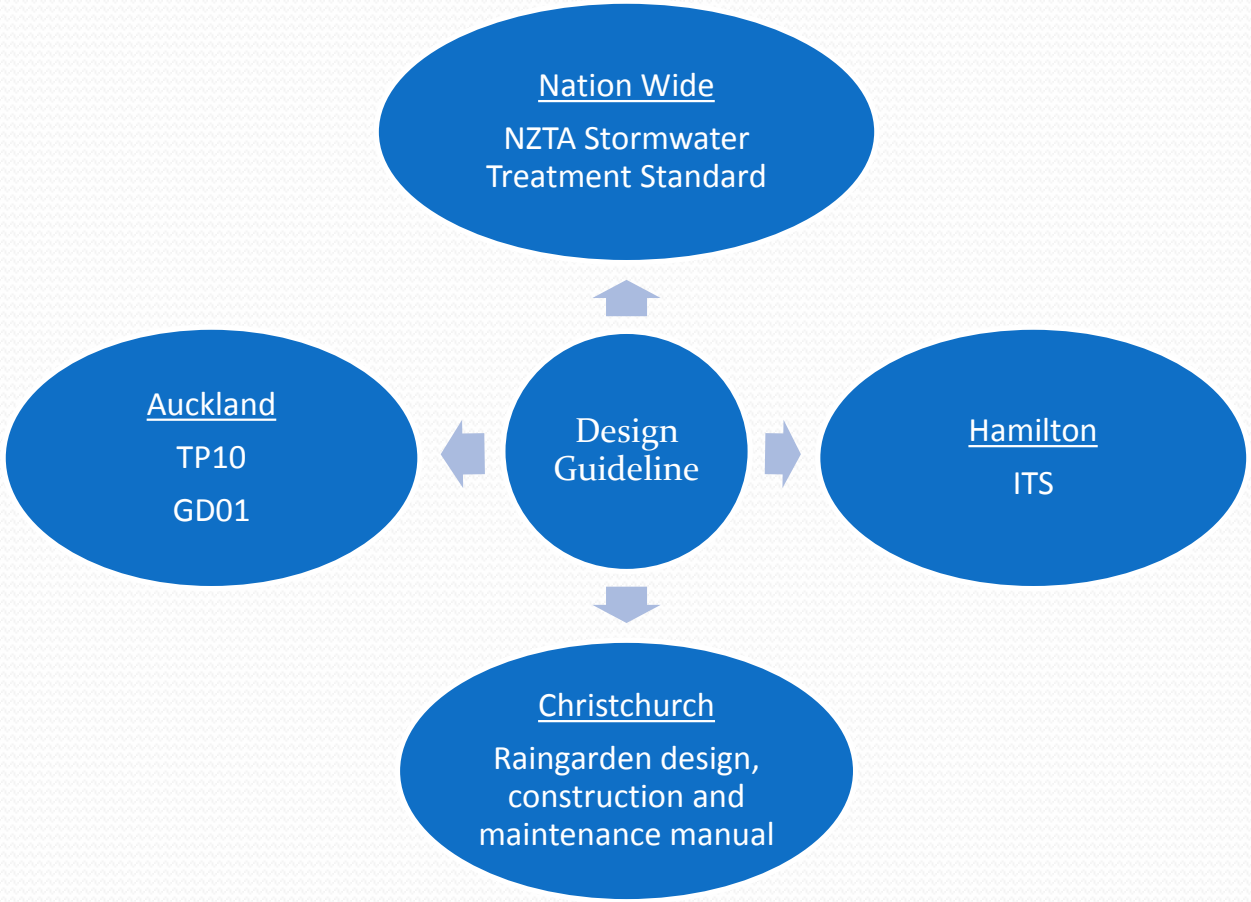
Stormwater SOLUTIONS

Bio-filtration Raingarden

Regulation Overview



Design to meet Regulation



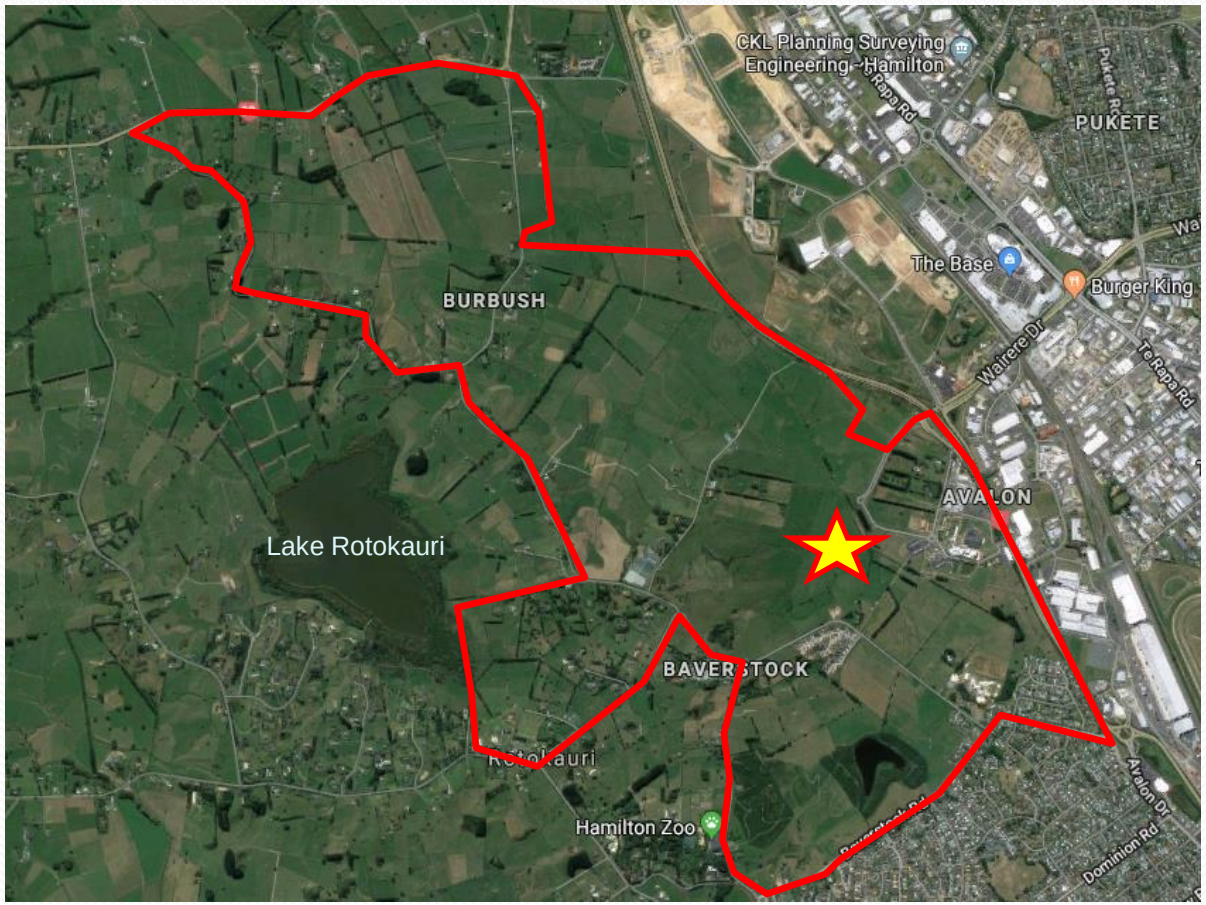
Application

- At source raingarden

- Central Raingarden

Challenges – Case study

- Rotokauri Development



- Rotokauri Development

- Target Specific Pollutants

Overall P Removal >70%

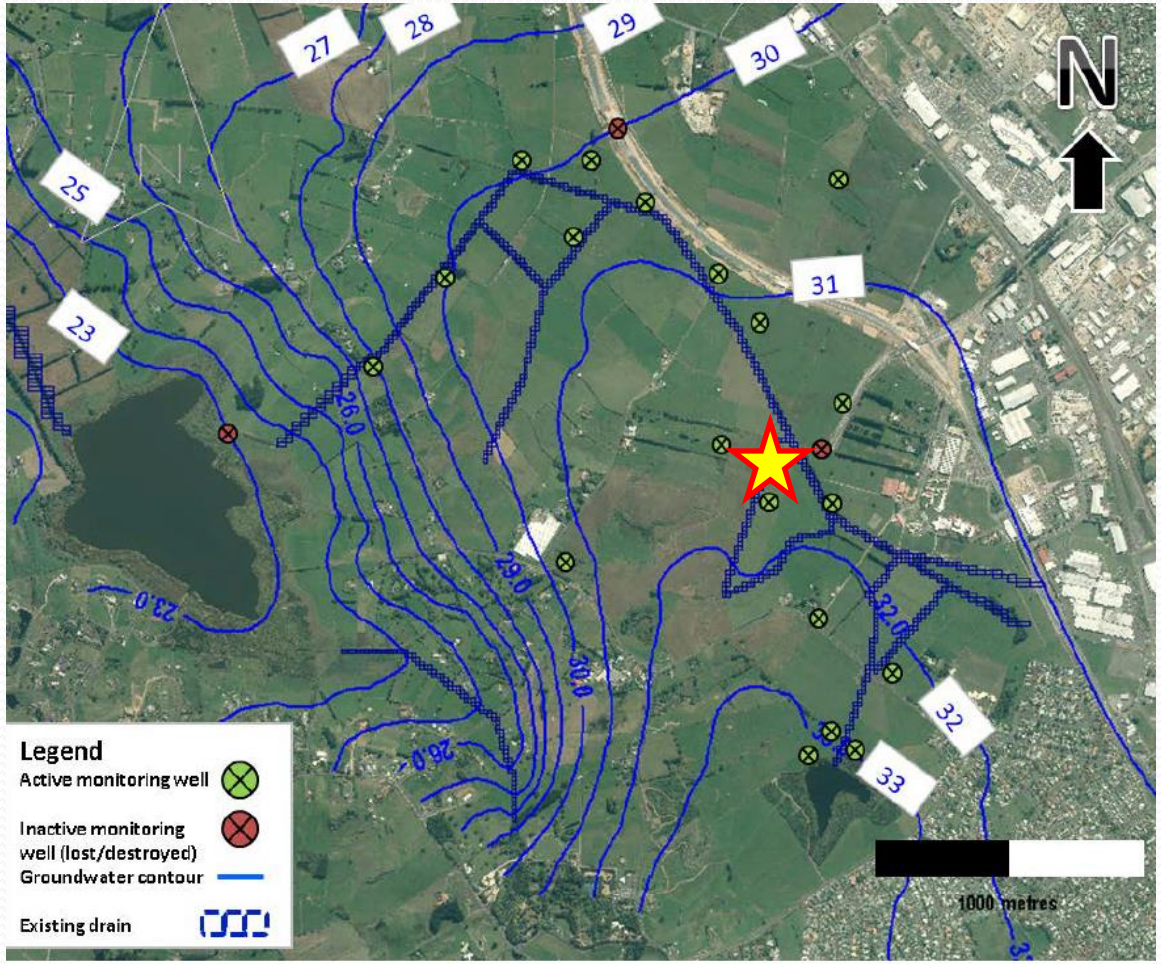
Saturated Raingarden 80% P removal

Standard Raingarden 60% P removal

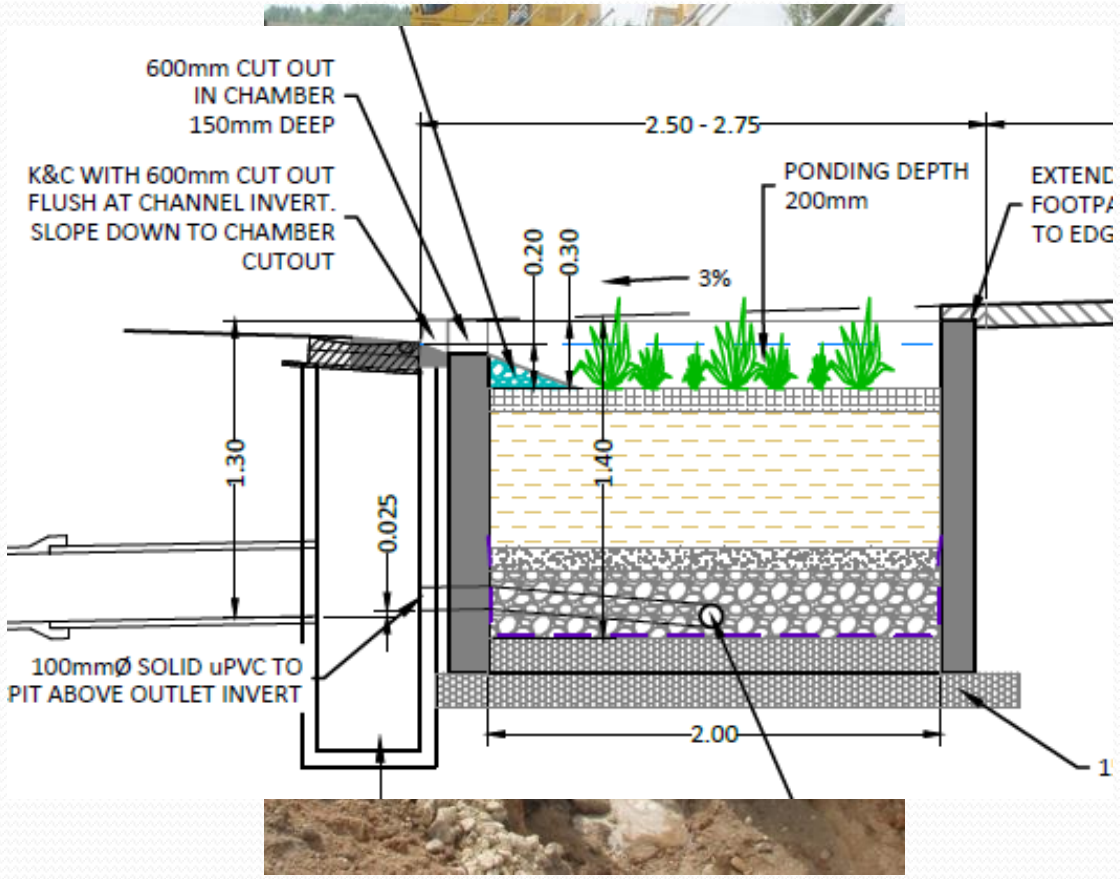
Wetland 50% P removal

Proprietary Filter 40% P removal

- High Water Table



- High Water Table



- Raingarden in Road Corridors

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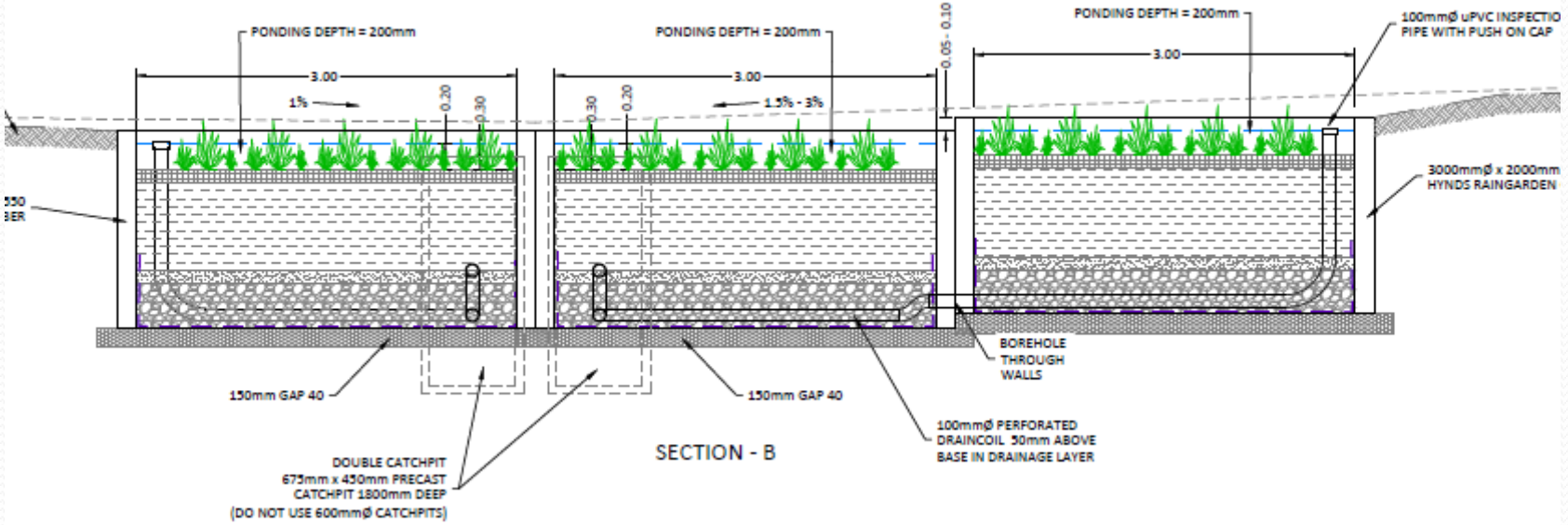
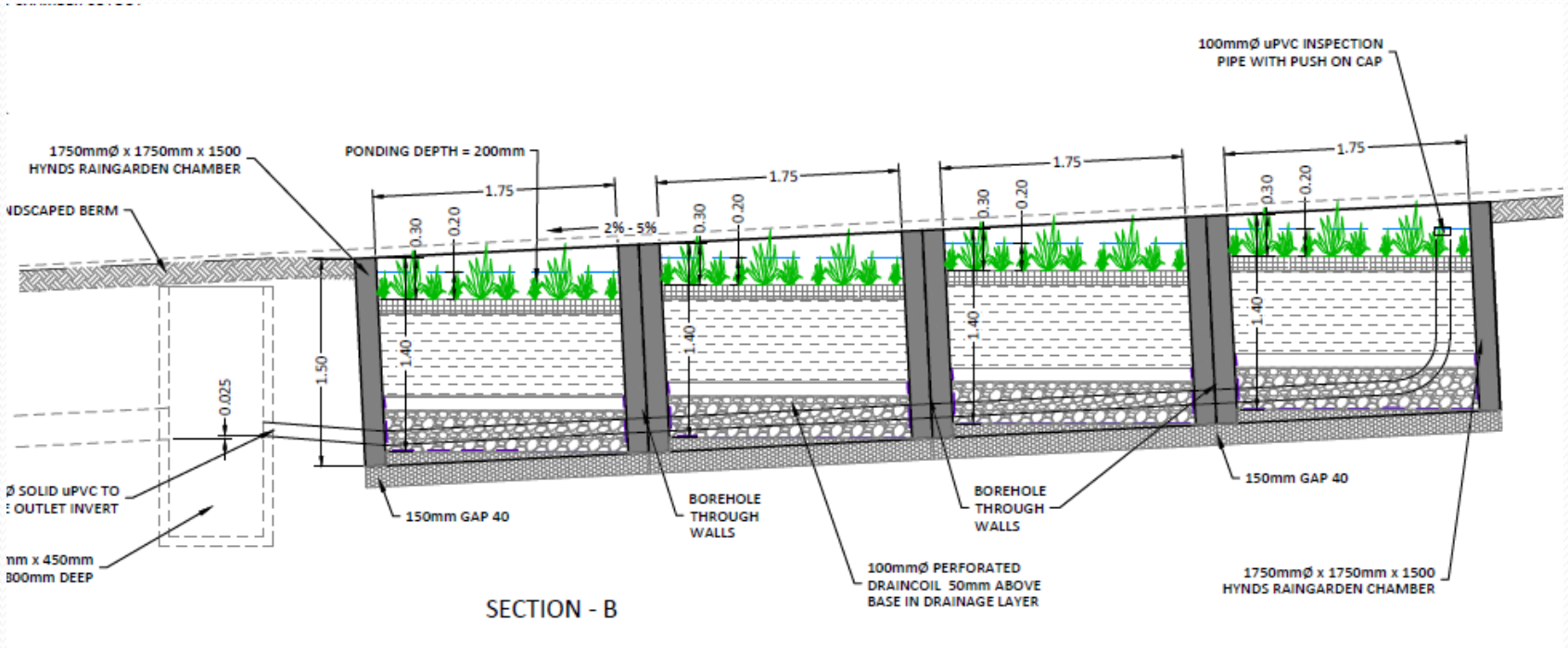


- Raingarden in Road Corridors



SECTION - B

Other Challenges

- Media Selection

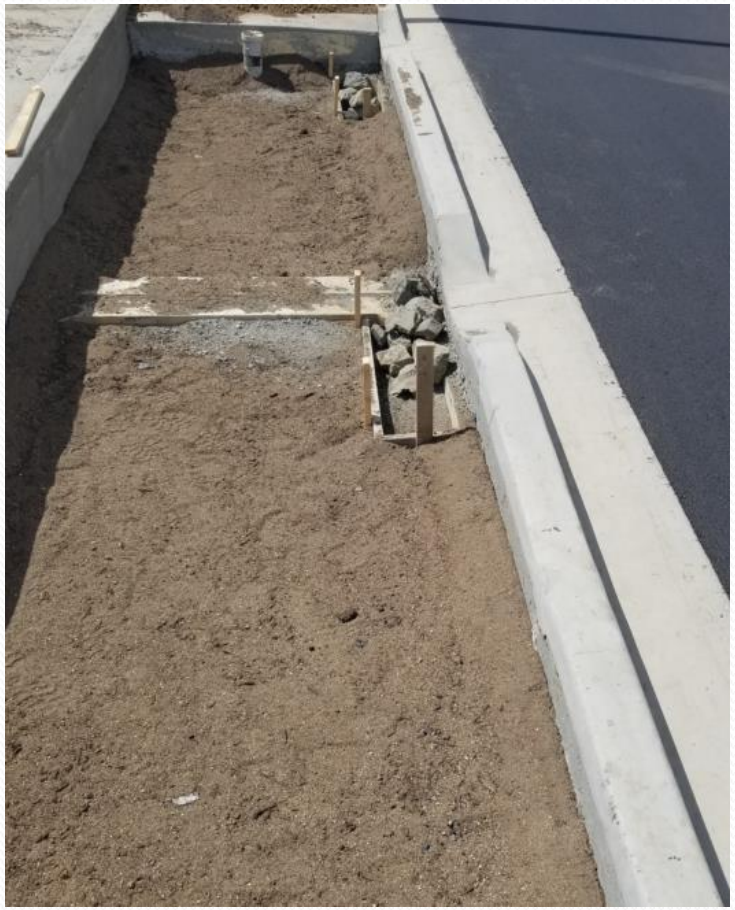
Design Doc	design, n and manual lity nt
Infiltration r media	/hr

PRODUC

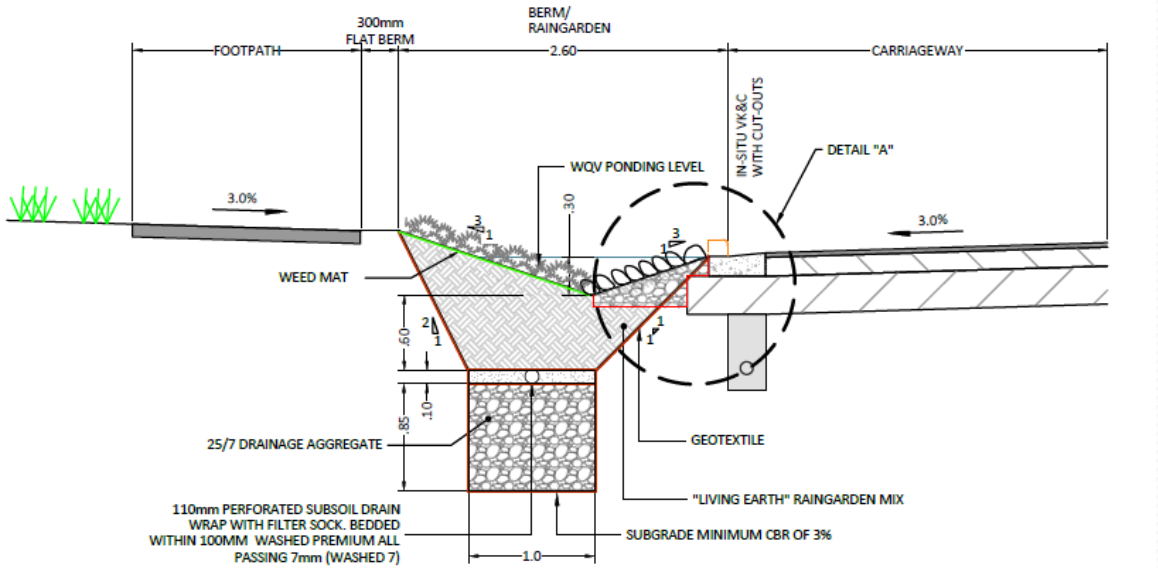
Saturated H (Infiltration

Particle Siz

- Raingarden in Road Corridors



- Cost Effective

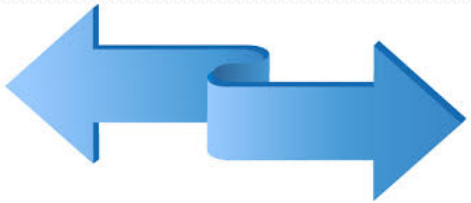


- Raingarden Inlet

- Plant Selection

- Raingarden Maintenance

Conclusion



Question?