

Stormwater Compliance *During Construction*

Why is it important?

Adam Duncan

Senior Compliance Advisor – Stormwater & ITP
Natural Resources & Specialist Input
Resource Consents

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Topics

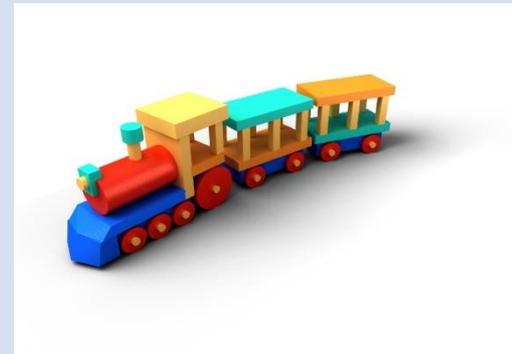
- The Warehouse site
- Pre construction meeting
- Conditions
- Site controls
- Brief look at rain gardens
- Post construction meeting
- Factsheets

Key aspects

- Approx 2,728 sq m new impervious area
- Flat site
- Land use consent – District Plan
- SW Consent – Regional Plan
- Interaction
- **Communication**

Stormwater devices

- Treatment train approach
- Catch pit filter bags
- Rain gardens
- Scoria detention trench
- Up-flo Filters
- Piped to reticulated system



Key consent conditions during construction

- Pre construction
- Post construction
- As-builts



Warehouse site



Stormwater devices – Warehouse site



Site controls



Catch pit protection



Erosion & Sediment Controls

- Catchpit protection – filter cloth
- Filter cloth covering all exposed sediment
- Stockpiling in centre of the site (flat) to prevent movement off site
- Construction traffic managed through specific areas, reducing tracking onto road
- Filter cartridges being installed after construction completed
- Continual **communication** with Auckland Council

Rain garden construction



Next:
approved media mix



Rain gardens



Pitfalls of Premature Post Construction Meetings



Website / Factsheets

- Stormwater
- <http://www.aucklandcouncil.govt.nz/EN/environmentwaste/stormwater/Pages/home.aspx>
- Maintenance guides
- <http://www.aucklandcouncil.govt.nz/EN/environmentwaste/stormwater/Pages/home.aspx#maintenanceguides>
- Construction best management practices
- <http://www.aucklandcouncil.govt.nz/EN/environmentwaste/stormwater/Pages/home.aspx#bmp>

If complying with resource consent conditions is given the priority that is required, then to quote Auckland Mayor Len Brown:

“We will be able to make Auckland the world’s most liveable city.”

Thank you for listening and we hope you have gained some valuable insights.