Sustainable Water Management Techniques

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Traditional Watershed

1” Rain Event

- 3,000 sqft roof
- 5,000 sqft lawn
- 2,000 sqft paved surface
Decentralized Solution

• 1” Rain Event
• 3,000 sqft roof directed into RainXchange
• 5,000 sqft native plantings & lawn
• 2,000 sqft permeable paver walkway
Excavation
Sand base and Geotextile
Pump vault & Completed Aquablox
Drainage connections & Prefilter
Geogrid and CA 7 Base Rock
Unconfined Crush Testing

Imperial: 34 psi
Metric: 24 t/m²
Base Thickness Disperses Load

- Protects subgrade
- Compensates for wet or uncompacted subgrade
Pump access and Cleanout
Completed System
Happy Homeowner
Equipment Washing Station FVPD
Exceeds Living Building Challenge
LEED Platinum & Sustainable Sites
Constructed Wetlands
Every Drop – Every House

Giving a community a way to impact complicated problems one house at a time
The Lakes of Bliss Woods

- 7 x 500 = 3,500
- 2 x 750 = 1,500
- Johnson = 1,500
- Mandele = 2,500
- Beaulieu = 2,000
- Schlicht = 3,500
- 30 Barrels = 2,250
- 5 Rain Gardens = 1,500

Total Impact for 1” Rain
18,250 Gallons