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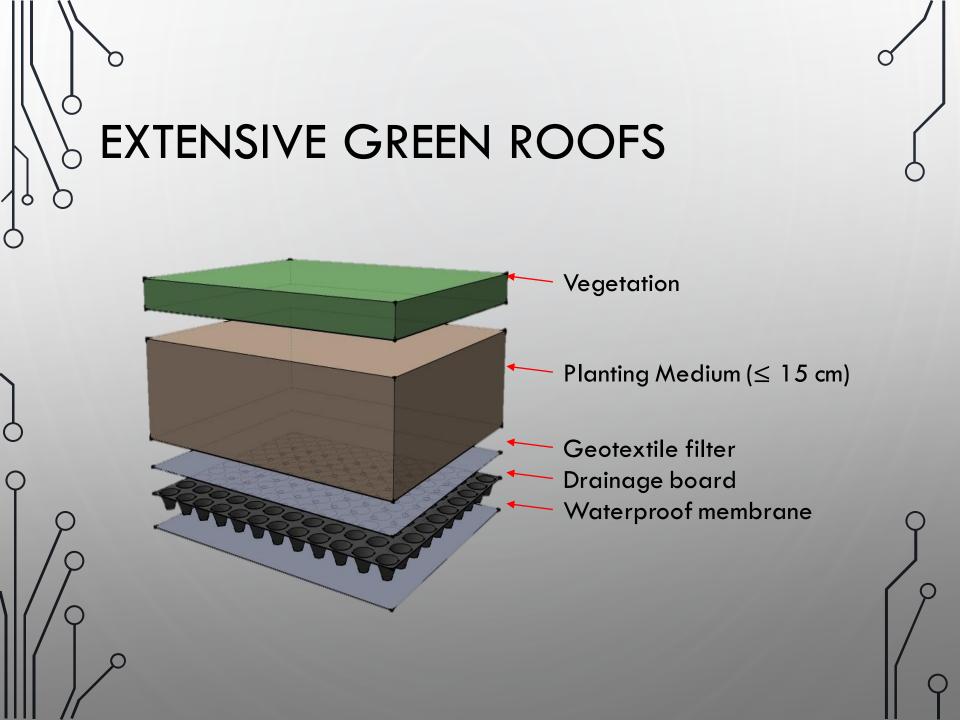


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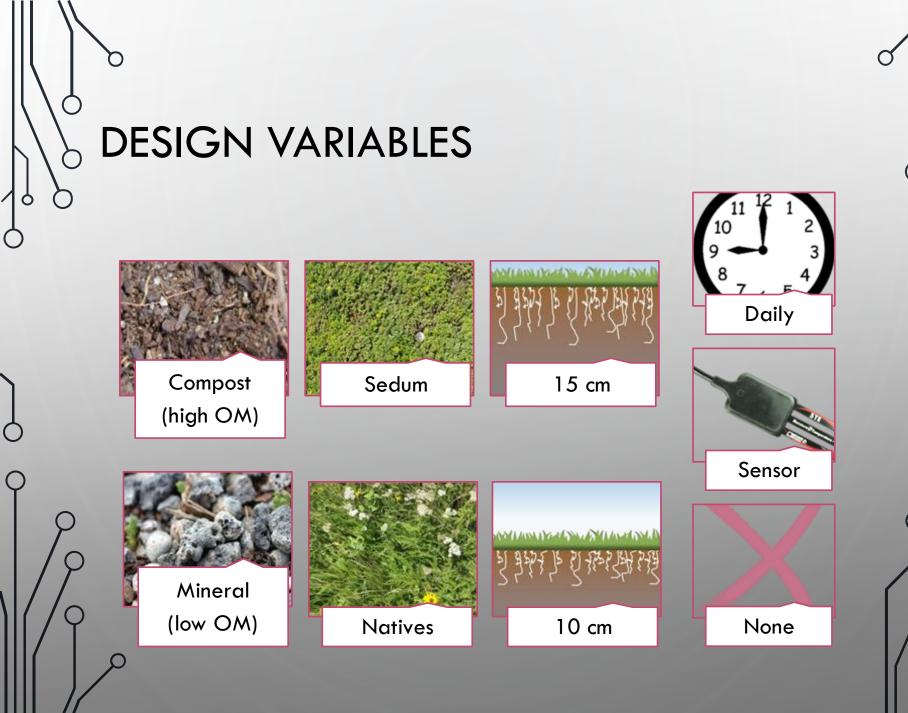


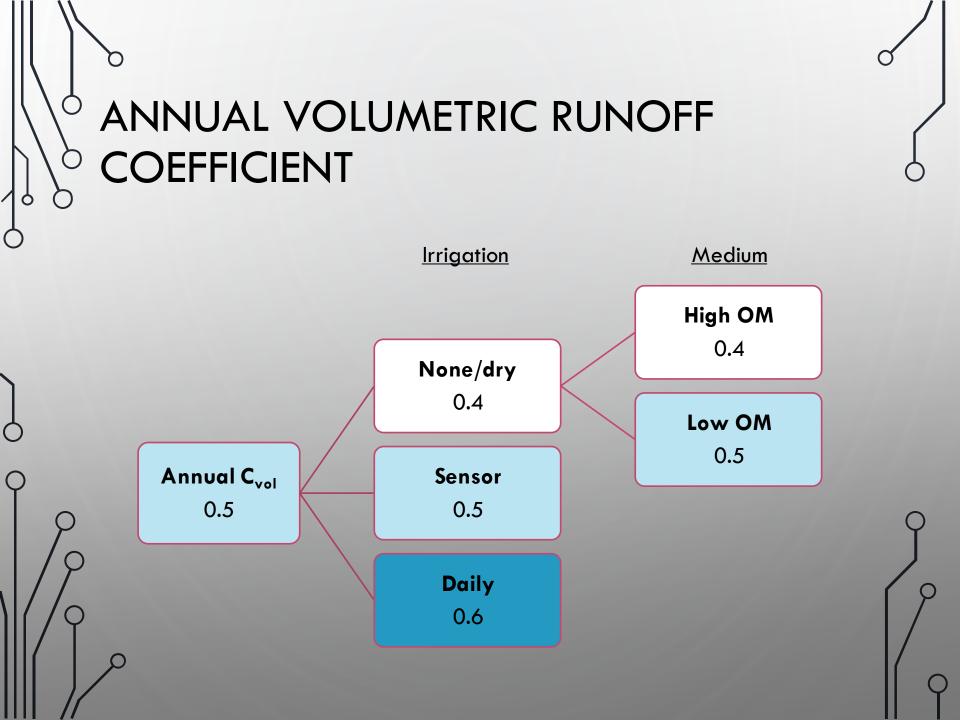


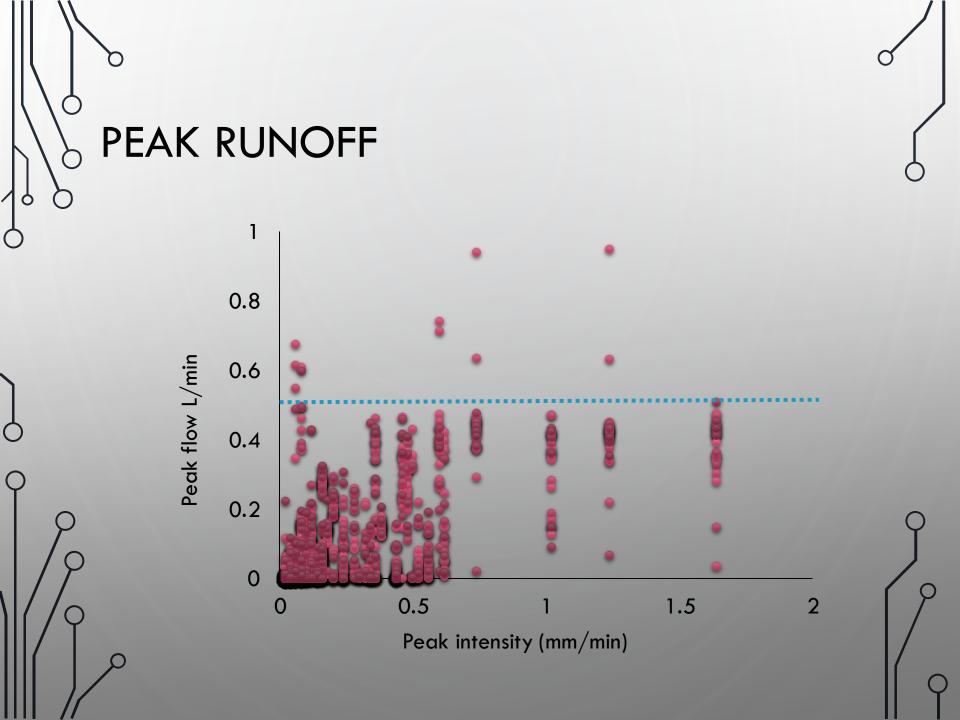


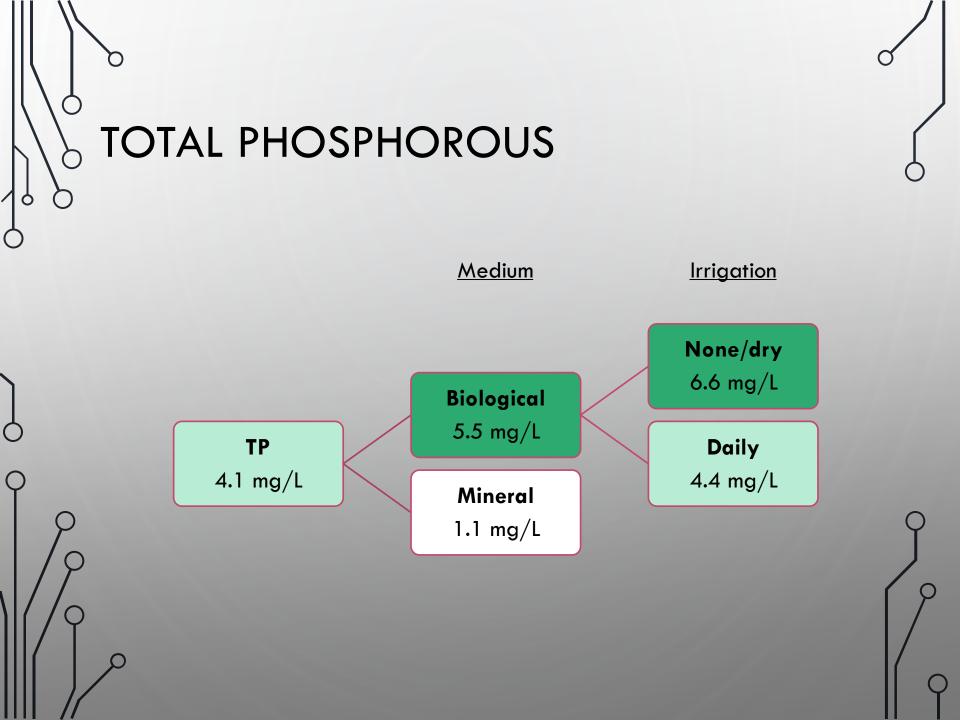




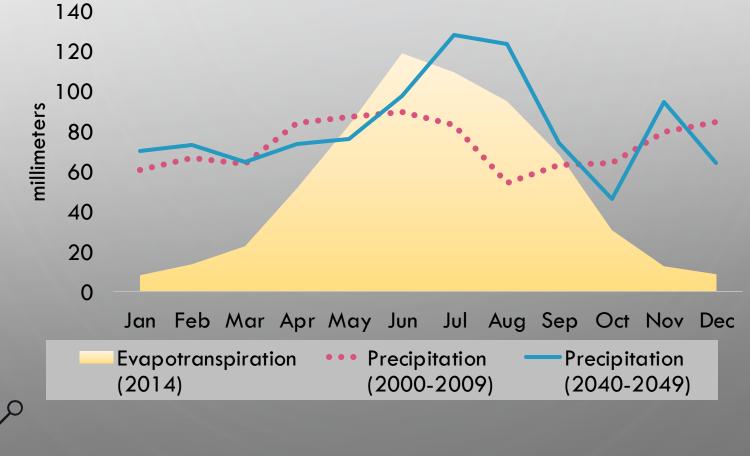


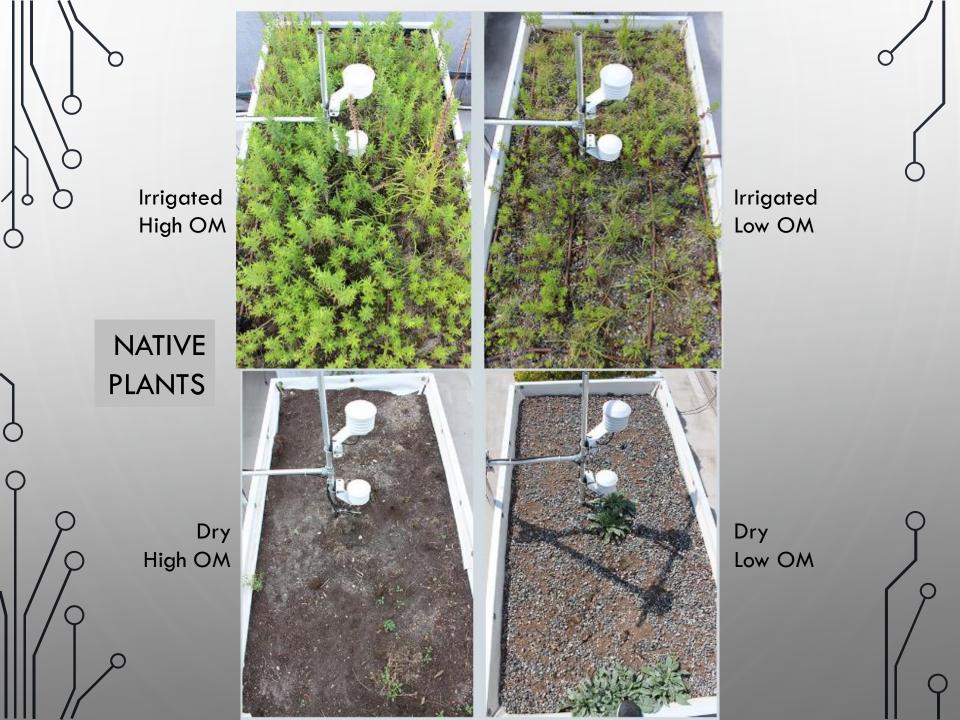


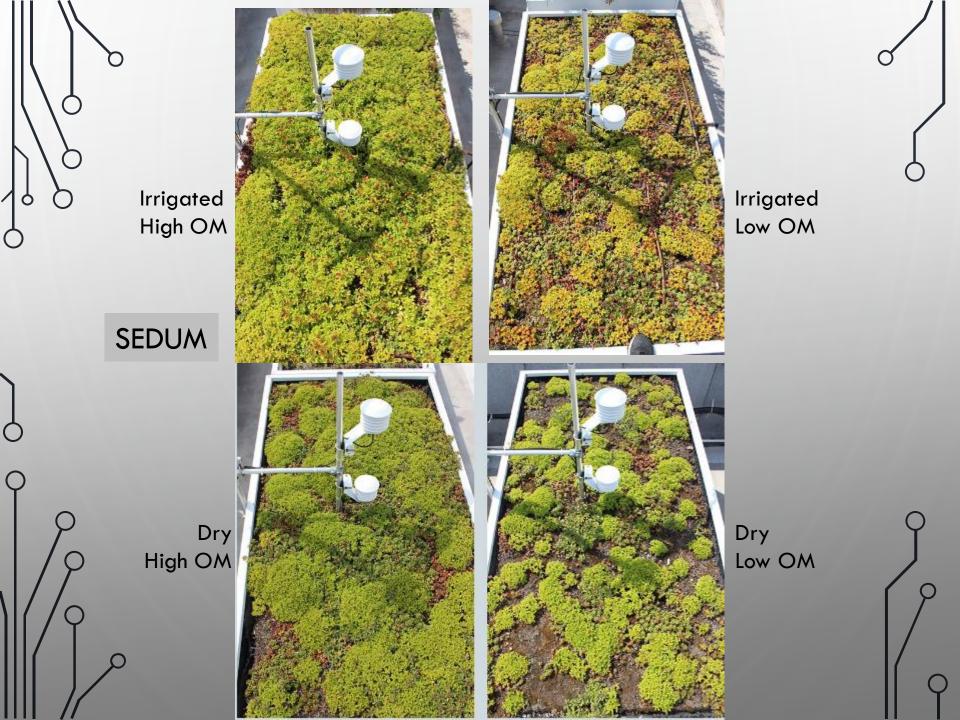




MAXIMISE EVAPOTRANSPIRATION WITH FREQUENTLY (RE)CYCLED IRRIGATION







GREEN ROOFS OF SOUTHERN ONTARIO





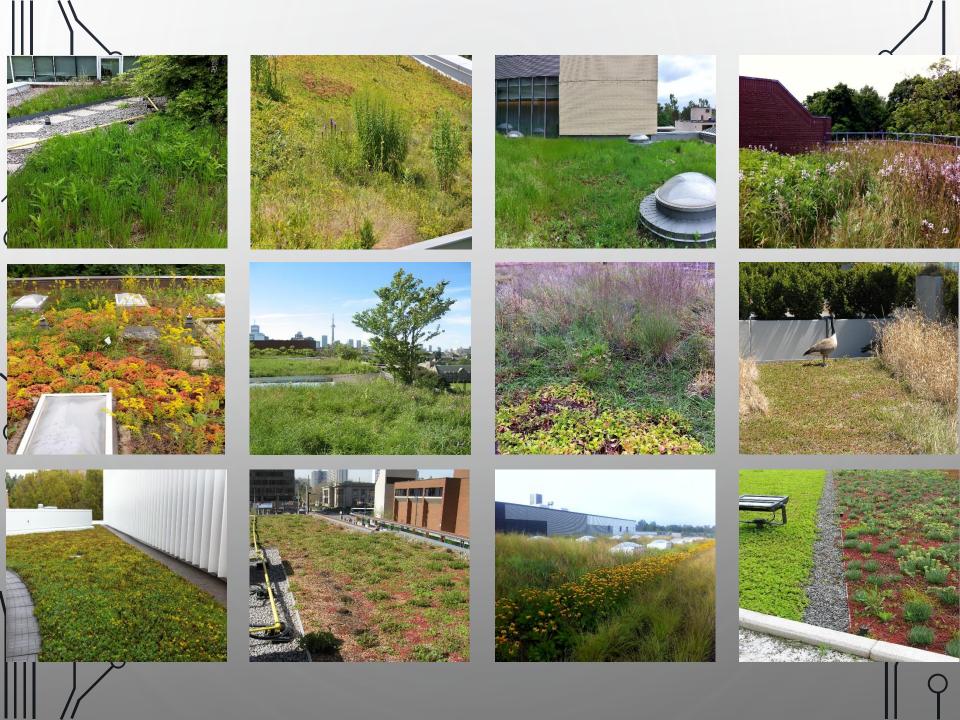


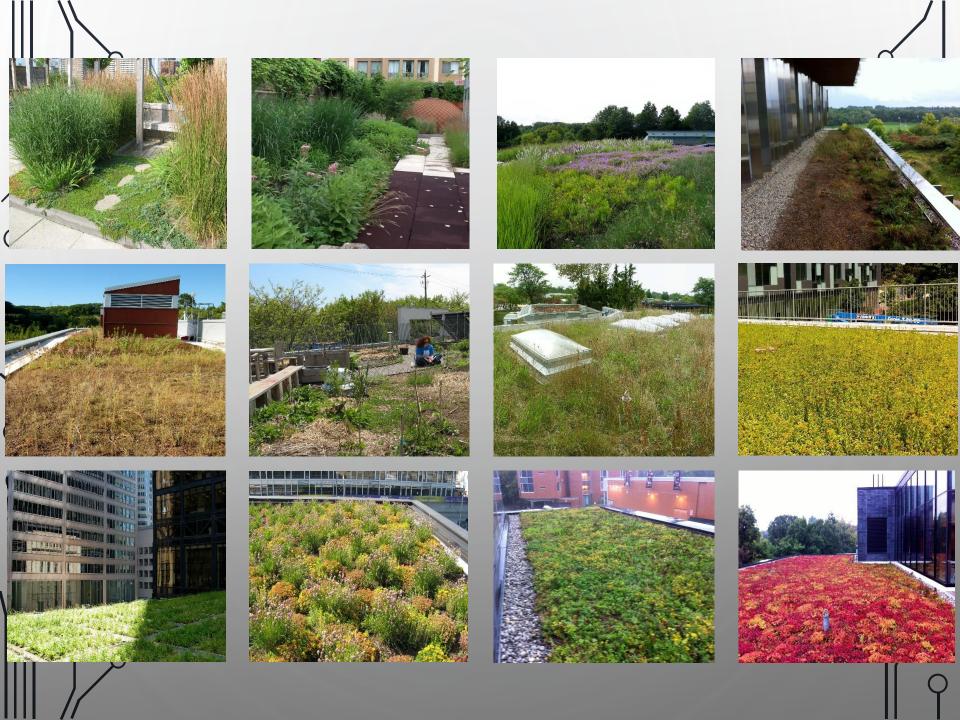


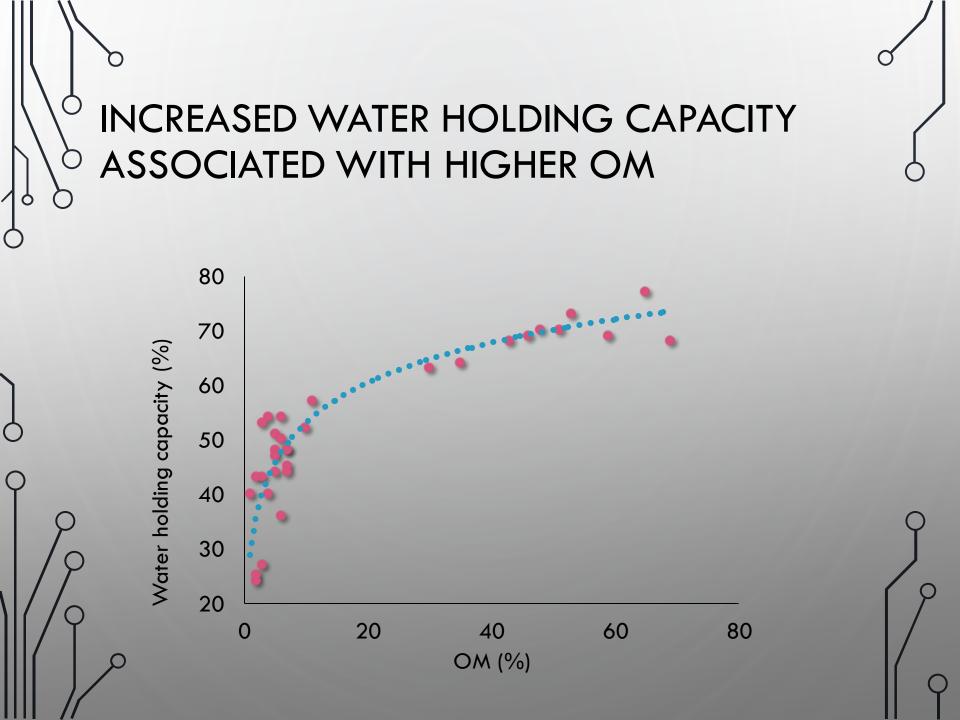




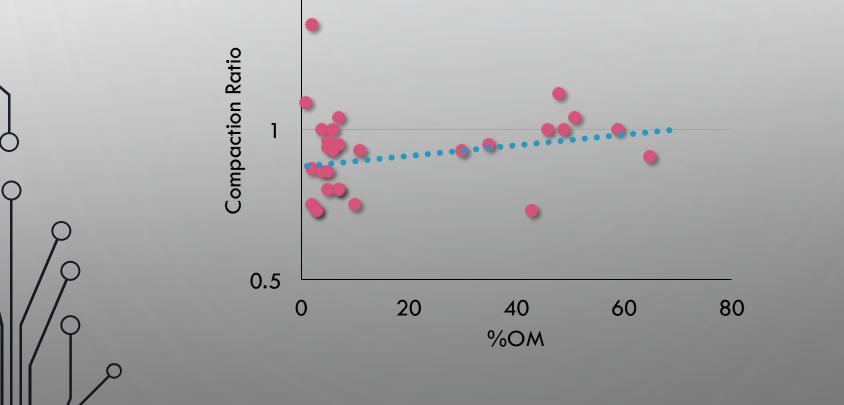








HIGH OM PLANTING MATERIAL DOES NOT LOSE DEPTH (UP TO 18 YEARS) 1.5



HIGH OM PLANTING MATERIAL EXAMPLE: AGED COMPOSTED WOOD FINES

- Retains more water
- Is lighter weight even when saturated
- Has not been associated with the development of moss on older roofs
- Supports many varieties of vegetation
- Is associated with increased P in discharge water

IRRIGATION • Sedum roofs may n

- Sedum roofs may not need any once established
- Native herbaceous planting requires regular irrigation,
 which can be moderated with soils sensors
- Any kind of green roof can be irrigation at least daily if maximizing evapotranspiration is important for water balance targets.

PLANTING AND DEPTH No significant SWM improvement of 15 cm over 10 cm Planting plans benefit from extra depth No significant SWM effects between natives/sedums Lowest maintenance roofs feature a combination of sedums with native plants, with minimal disturbance

ACKNOWLEDGEMENTS









