LID In Edmonton: The Journey from Design to Done

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LID Guidelines – It Can Be Done!

- The City’s document is a useful tool
- The Best Management Practices are appropriate for Edmonton
- The guidelines can only be improved if we all contribute our knowledge and practical experience
- City staff are a resource, just like the guidelines
Know and Influence Your Site

- Topography
- Stormwater Management
- Parking Layout
- Building Location
- LEED Certification

GET INVOLVED EARLY!

BIOSWALE – SW DIVISION POLICE STATION

RAINWATER HARVESTING – SW DIVISION POLICE STATION

IMAGE CREDIT: DOUGLAS WALTERS LANDSCAPE ARCHITECT

PHOTO CREDIT: AL-TERRA
Know and Influence Your Site

SITE PLAN - KENNEDALE ECO STATION
Assemble the Right Team

- Client
- Architect
- Civil Engineer
- Mechanical Engineer
- Structural Engineer
- Landscape Architect
- Biologist
Assemble the Right Team

- General Contractor
- Sub-Contractors

BOX PLANTERS – VALLEY ZOO

BIOSWALE – SW DIVISION POLICE STATION
Adapt, Innovate & Compromise

- Define the primary uses of your site
- Work with the design team to incorporate LID features
- Consider the cost and constructability
- Client input
- Details, details & more details
- Consider maintenance

CONSTRUCTED WETLAND – VALLEY ZOO

NATURALIZED DRAINAGE WAY – KENNEDEALE ECO STATION
Adapt, Innovate & Compromise

ENTRY & WANDER CONCEPT PLAN - VALLEY ZOO

PERMEABLE PAVERS - SW DIVISION POLICE STATION
On the Construction Site

- Clearly communicate your goals to the Contractor
- Monitor construction schedule
- Contemplate phasing of LID features
- Be practical
- Take pictures
On the Construction Site

BIORETENTION AREA – KENNEDALE ECO STATION

Photo Credits: Al-Terra

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The End is Really Just the Beginning

- End of warranty inspection
- Record drawings
- Maintenance & monitoring
- Client buy in
- Consider lessons learned

BIOSWALE – SW DIVISION POLICE STATION
The End is Really Just the Beginning

CONSTRUCTED WETLAND – KENNEDALE ECO STATION

RAIN GARDEN – VALLEY ZOO

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Take up the Challenge

- Find and create opportunities to use LID
- Encourage uptake by private development
- Find ways to monitor LID
- Share the knowledge
Questions?

BIOSWALE – VALLEY ZOO

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