

Bedrock Environmental Services

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bedrockseedbank.com

Successful Project Planning



Our Goals

- To restore and reclaim native plant diversity and ecosystem integrity.
- To provide the knowledge, the services and the materials required for native ecosystem restoration.
- To promote the use of native species for sustainable landscape practices in commercial and residential settings.



Native Seed Collection





Native Seed Collection





Native Material Collection



Native Seed Propagation



Native Seed Propagation



Native Seed Propagation





Native Plant Production





Native Plant Production





Native Plant Production





Native Plant Production





Native Plant Production





Native Plant Production





Native Plant Production





Native Plant Material





June 1, 2010



July 10, 2010



August 20, 2010



September 18, 2010

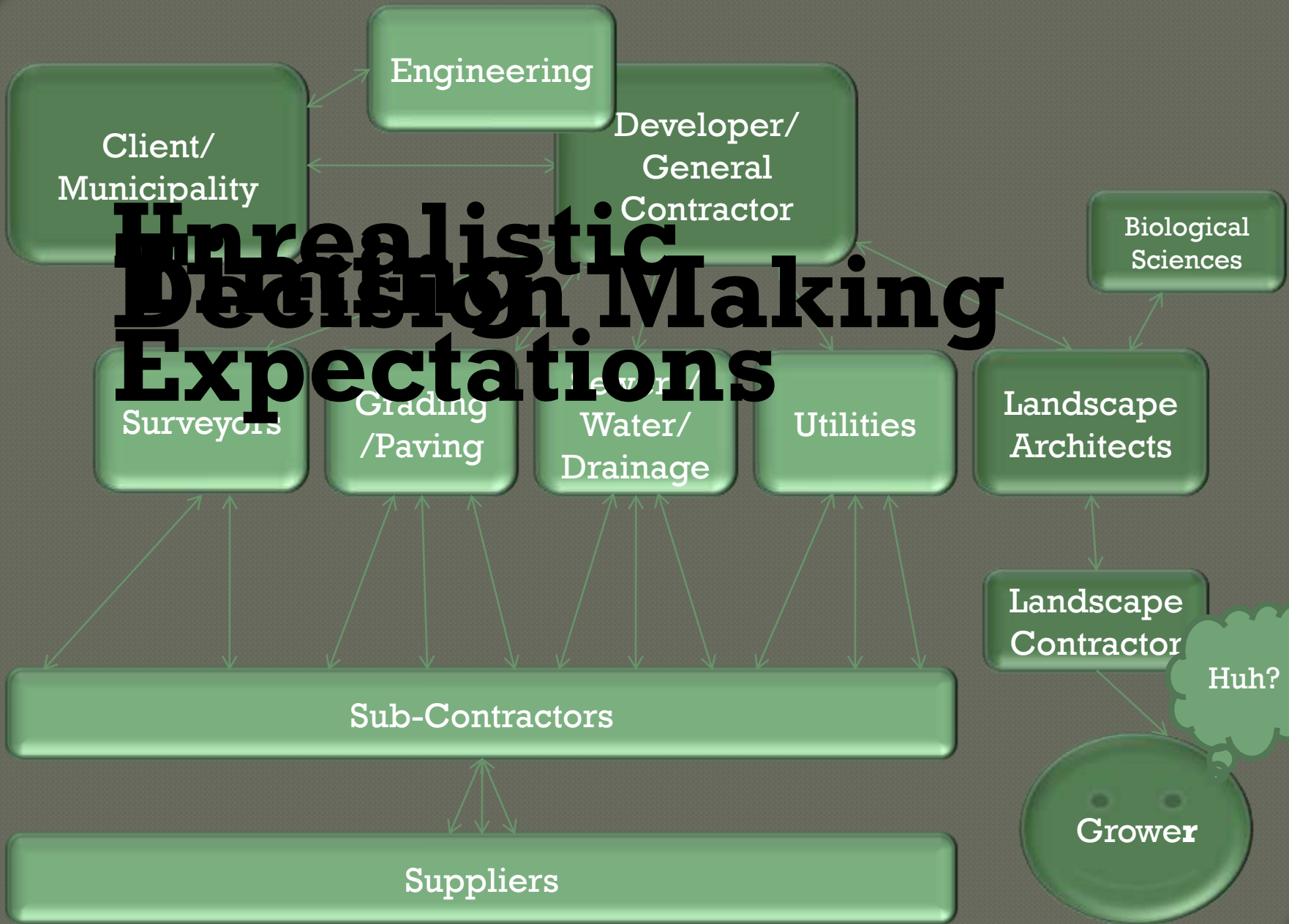


Oasis Convention Centre



Oasis Convention Centre

Inrealistic Decision Making Expectations





Restoration Participants

Spec the Material
Accurately
Cost
Efficiency

Client/Municipality

Developer/General Contractor

Grower/Supplier

Biological Science

Landscape Architects

Landscape Contactor



Restoration Components

Site Referencing

Material
Collection

Ecological
Assessment

Contract
Growing

Goal
Establishment

Installation Training
& Oversight

Ecosystem Design &
Restoration Planning

Success Monitoring
& Maintenance
Regime

#1 Know your Ecological Goals!



#2 Ecological Planning begins before the first dozer touches the ground.





Gaillardia aristata

This is a Native Plant Species



Physostegia virginiana

This is a Native Plant Species



Sphaeralcea coccinea

This is a Native Plant Species



#3

**This
is not
a
native
plant
species!**



Project Profiles

- Founder's Walk - St. Albert
- Larch Park @ Magrath SWMF – Edmonton
- Grant MacEwen University – Edmonton
- Paul Band First Nation Wetland Restoration – Wabamum
- Hanna Water Treatment Plant
- Big Lake - Starling SWMF – Edmonton



Founder's Walk, St. Albert





Founder's Walk



Founder's Walk



Founder's Walk



Founder's Walk



Founder's Walk



Founder's Walk



Founder's Walk



Founder's Walk



Founder's Walk



Founder's Walk



Larch Park @ Magrath





Larch Park @ Magrath



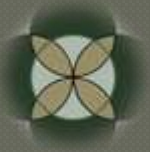
Blackmud Creek/Ravine



Larch Park @ Magrath



U of A Grasslands/Aspen Parkland - Kinsella



Larch Park @ Magrath





Project Eco-Region Design

- White Spruce
- Black Spruce
- Aspen
- Riparian
- Rough Fescue

Based on Projected Hydrology



Larch Park



Larch Park



Larch Park



Larch Park



Larch Park



Larch Park, 2011



Larch Park, 2011



Grant MacEwan University





Grant MacEwan



Grant MacEwan



Grant MacEwan





Grant MacEwan



Paul Band First Nation Wetland Restoration – Wabamum





Paul Band - Wabamum



Paul Band - Wabamum

SITE No. 7

- Riprap
- Willow
- Cattails & sedges

HORZ 0 10 20 30 40m
1:1000



Paul Band - Wabamum



Research & Development Bio-Fibre Growing Medium





Research & Development, Bio-Fibre Growing Matrixes





Hanna Water Treatment Plant



Hanna RWSC



Hanna RWSC



Hanna RWSC



Hanna RWSC



Hanna RWSC



Hanna RWSC



Hanna RWSC

Big Lake,

Starling SWMF Development





Microsoft

100 r





Flow-Buffers

Image © 2009 DigitalGlobe
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53°35'22.41" N 113°41'38.80" W

elev 671 m

Sep 13, 2008

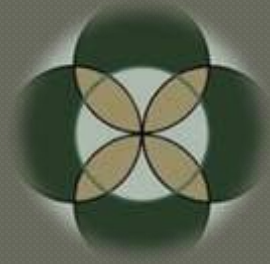
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Conclusions/Discussion Notes

● Education

● Research &
Development



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