





1913-2013

Rivers · Parks · Sports

Old Refinery Park

Redevelopment Master Plan

November 2013





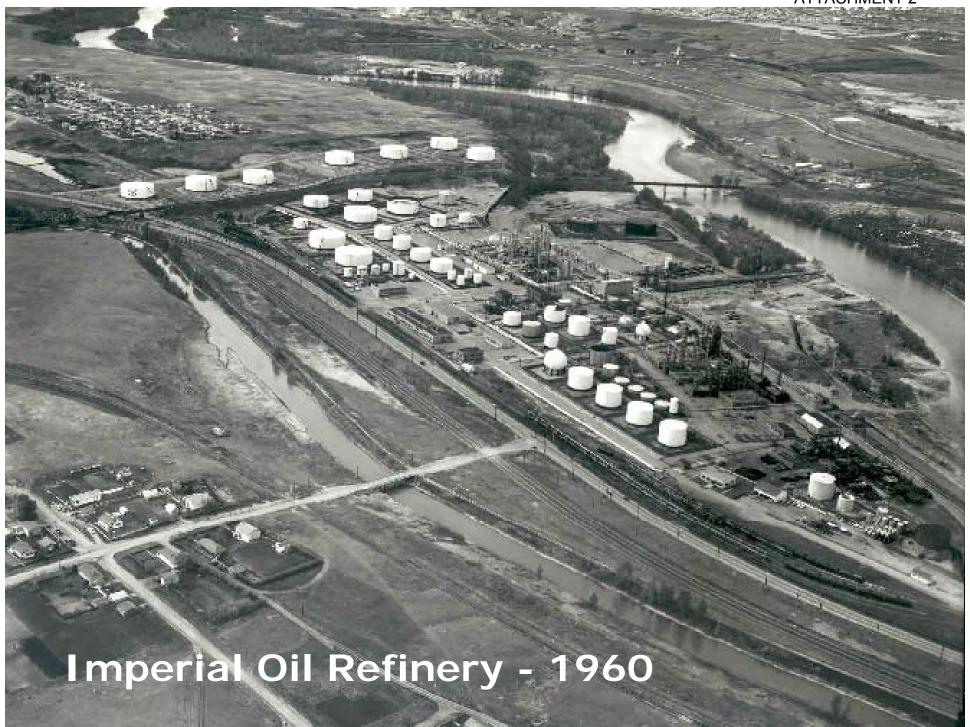


Westhoff Engineering Resources, Inc.

Land & Water Resources Management Consultants









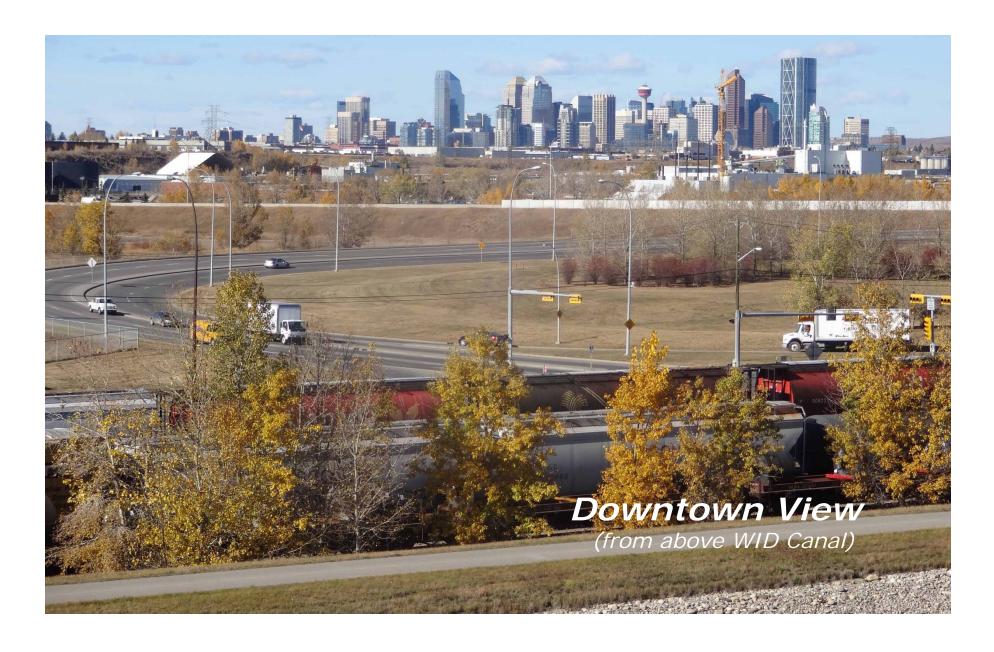




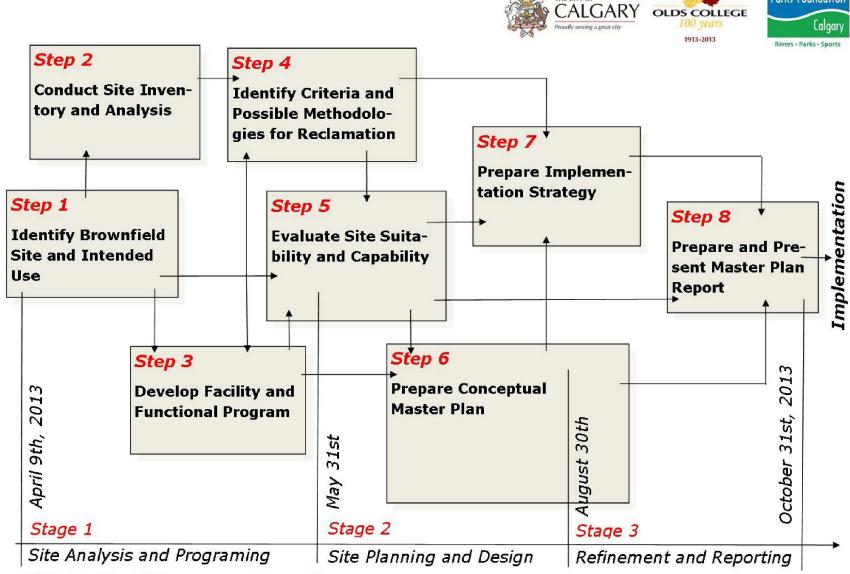








Parks Foundation

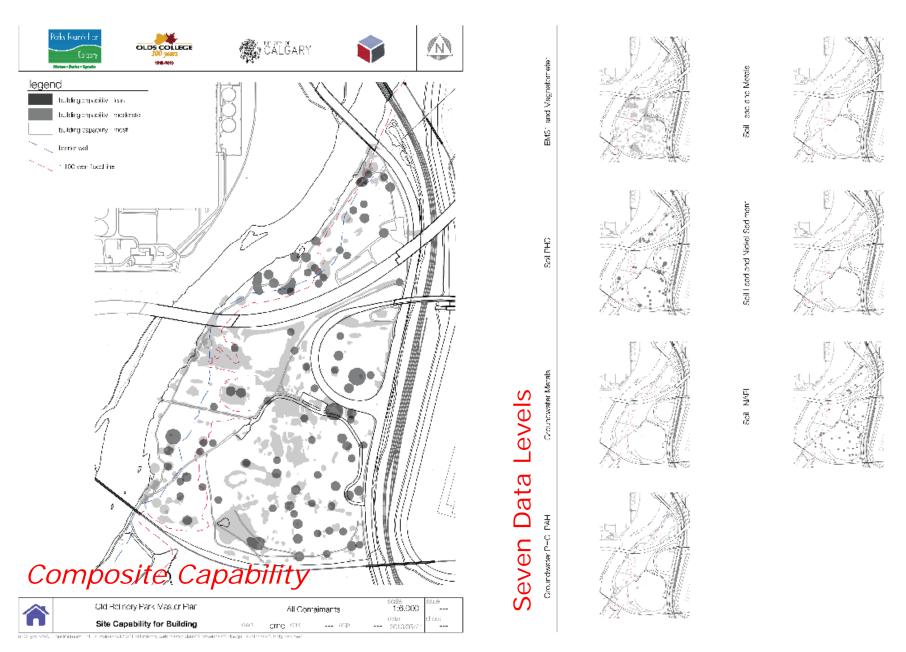


Old Refinery Park

Proposed Brownfield Site Planning Process and Schedule

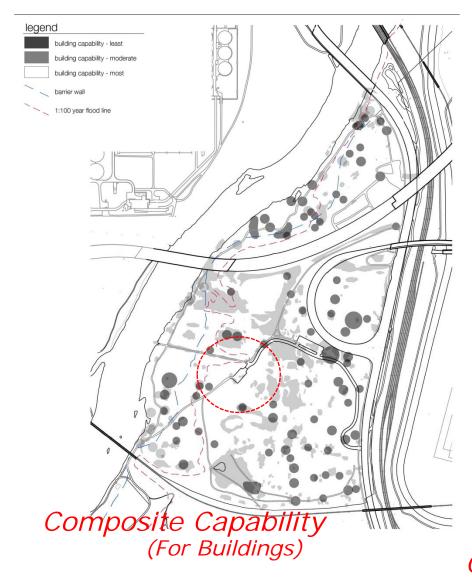


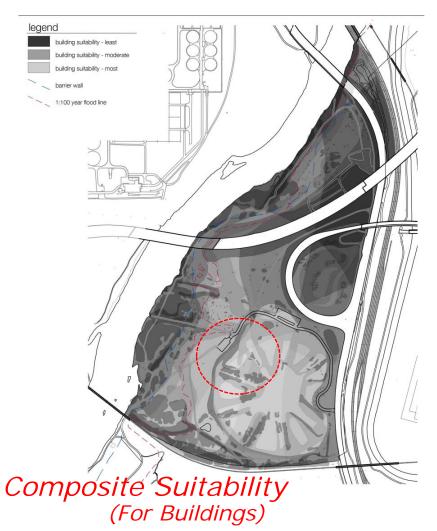
Site Capability 📦

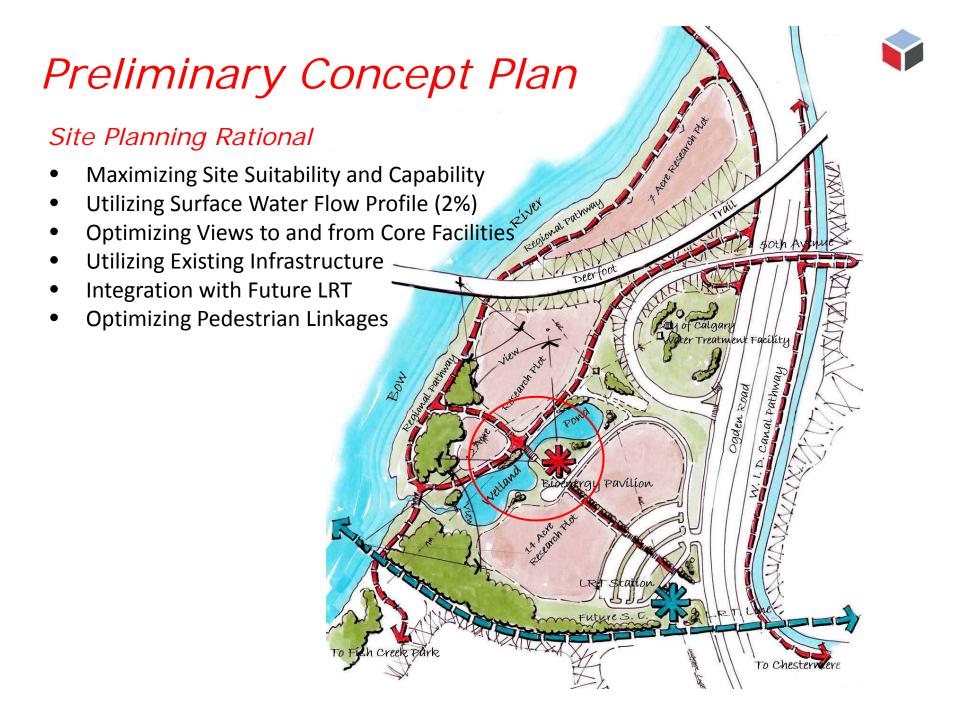


Core Facility Location











Within a program of Environmental Research and Education, ORP will offer *four distinct yet integrated story lines...*



1. Water Management

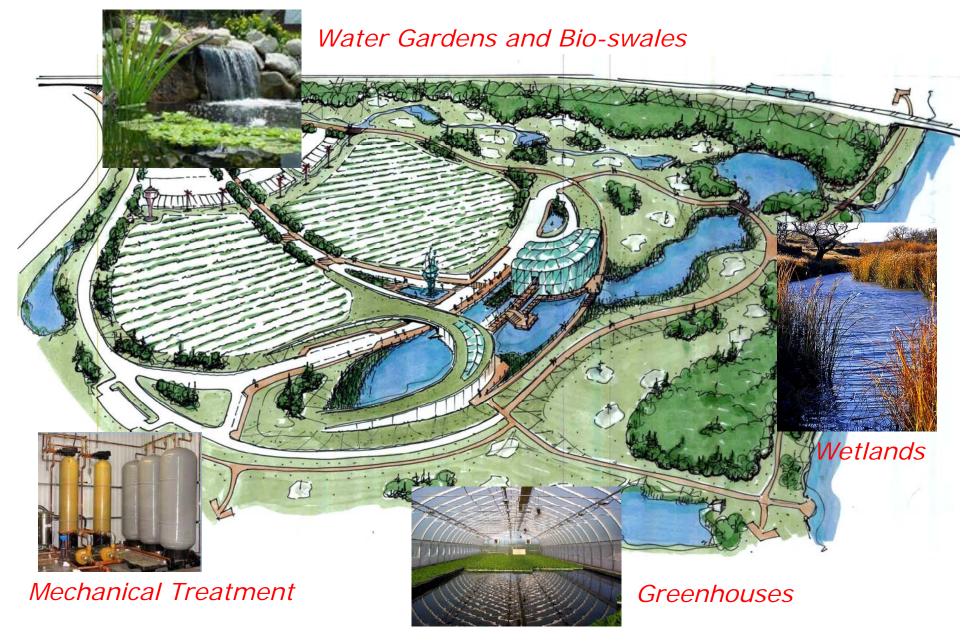


3. Urban Agriculture



4. Brownfield Restoration





Story 1 - Fresh Water Management







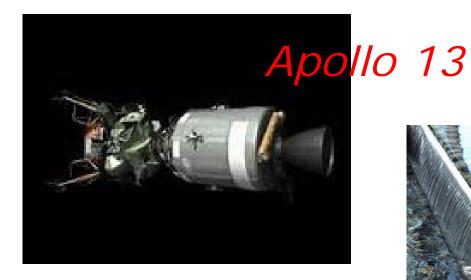




Story 4 - Brownfield Restoration



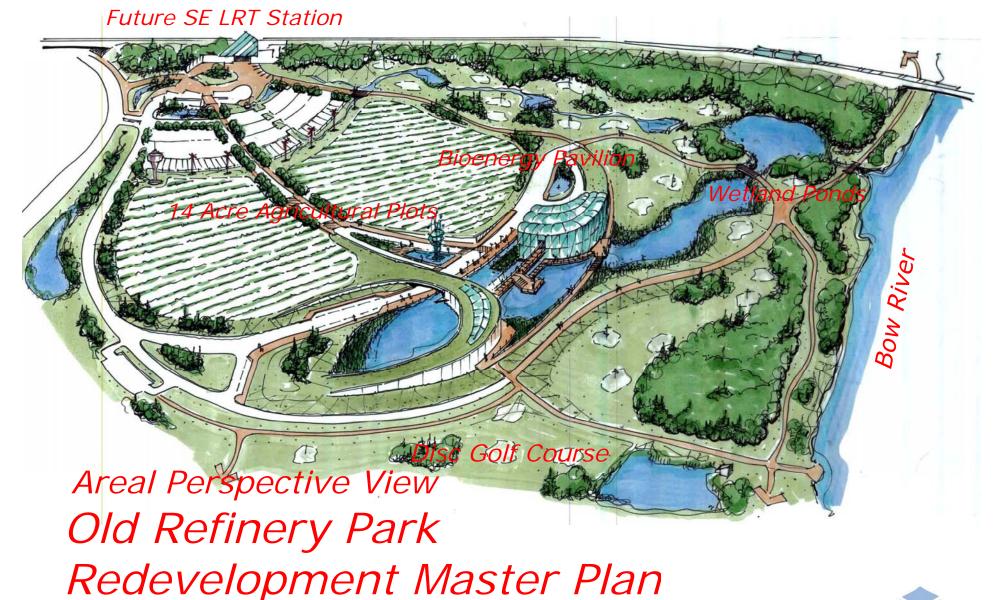






A "Living Building Challenge" Working with what you have.

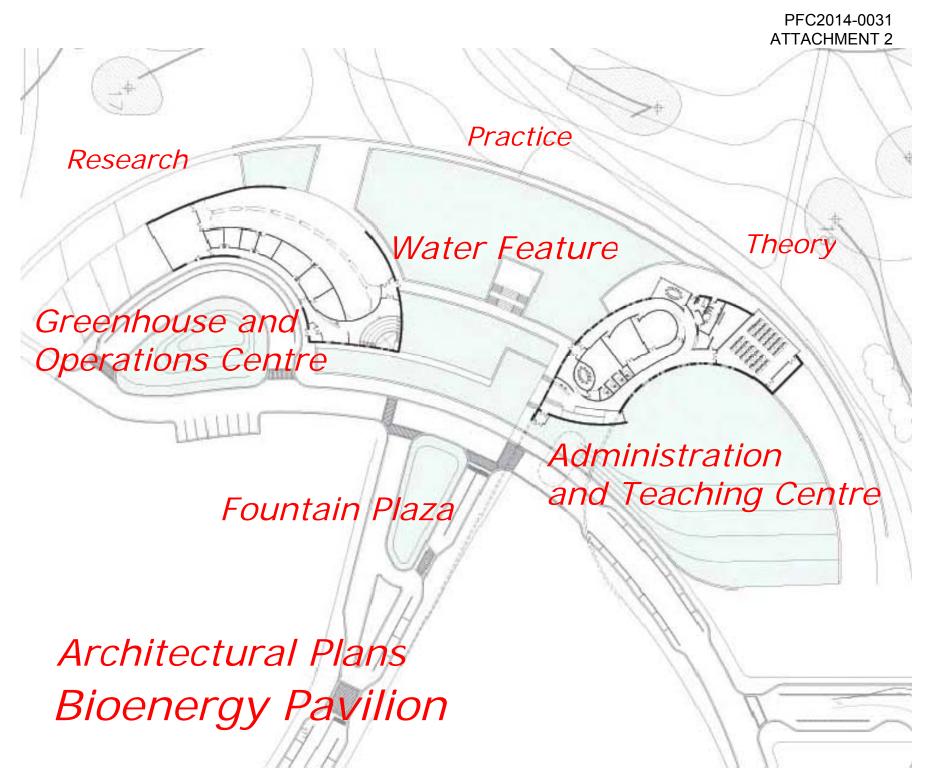


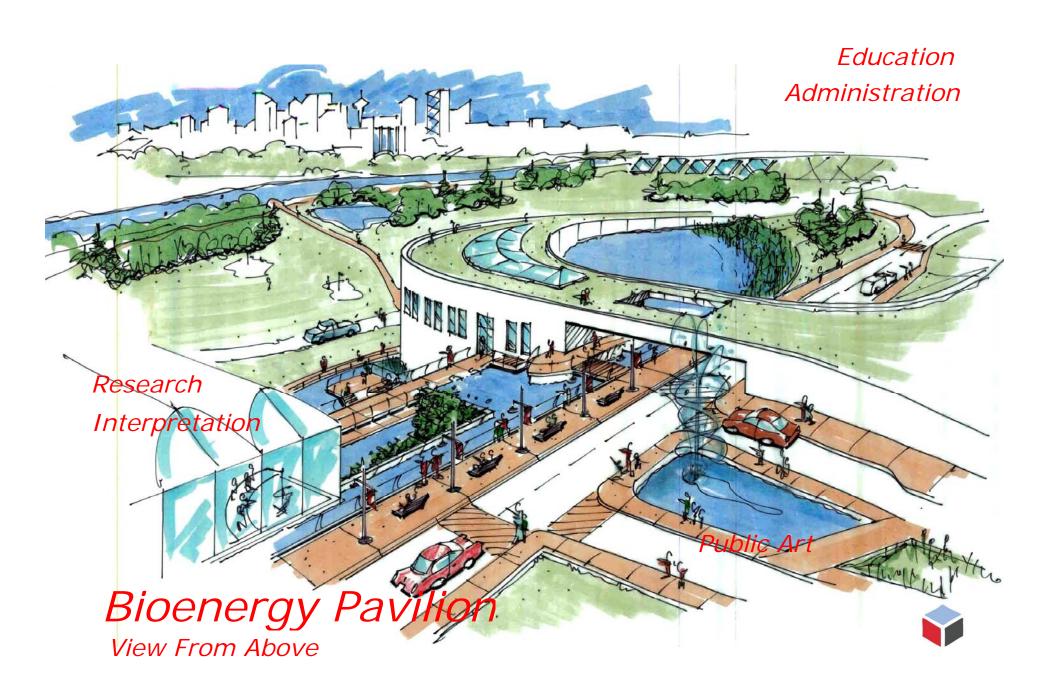


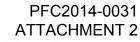
November, 2013

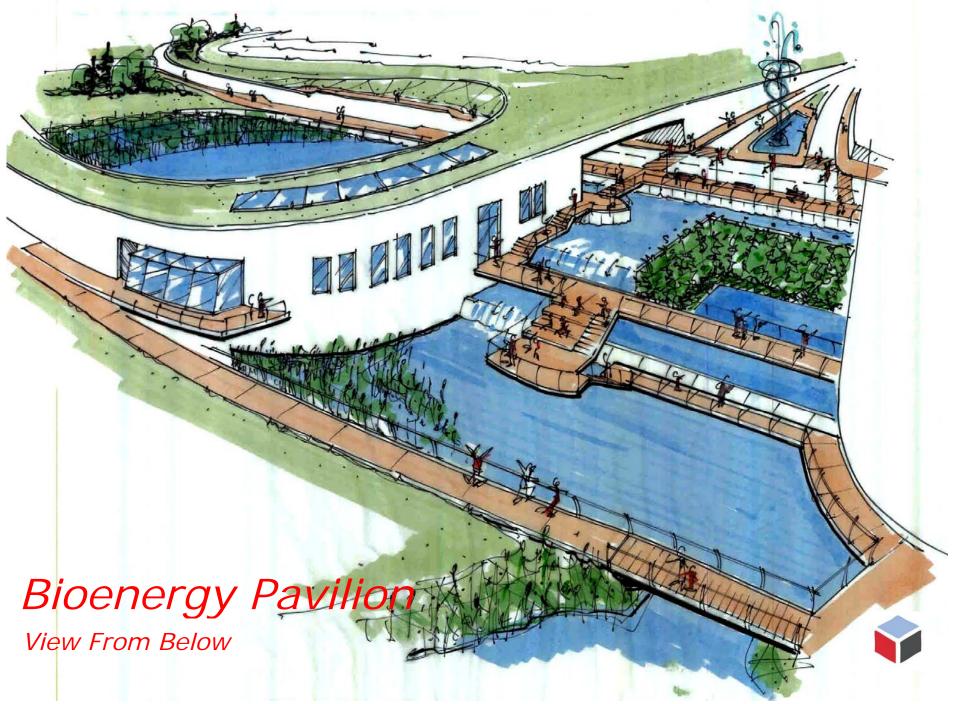


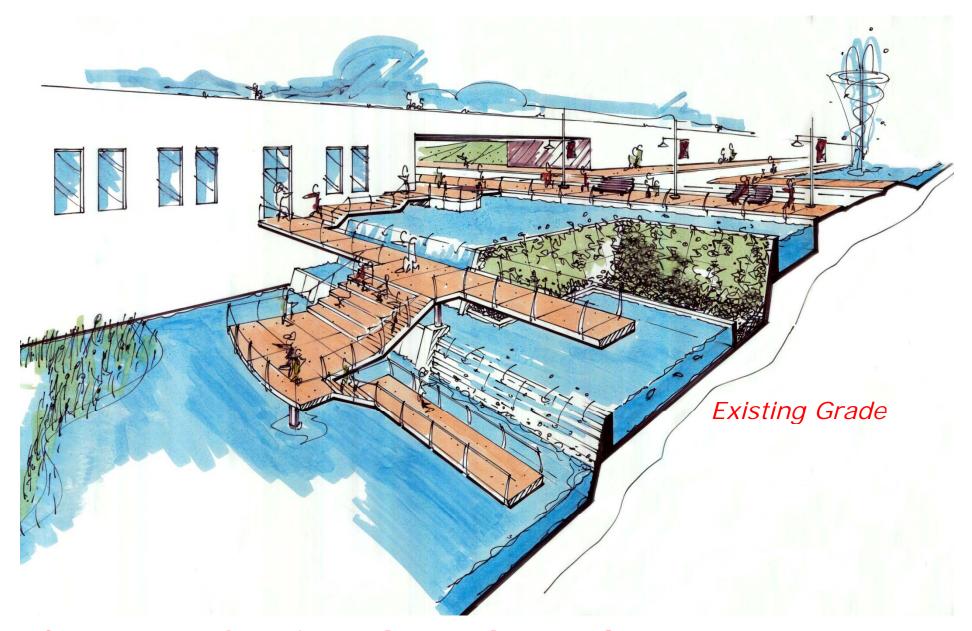




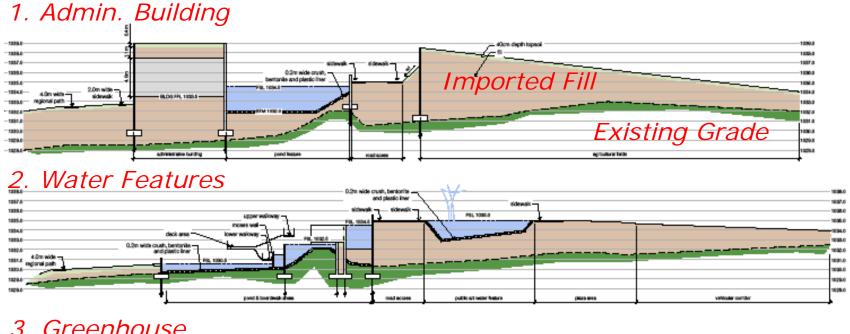




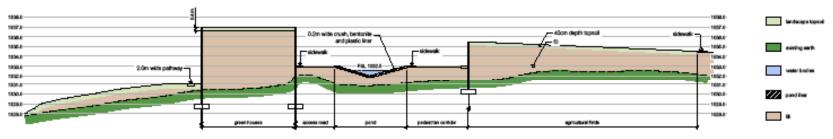




Cut Away Section Through Ponds



3. Greenhouse



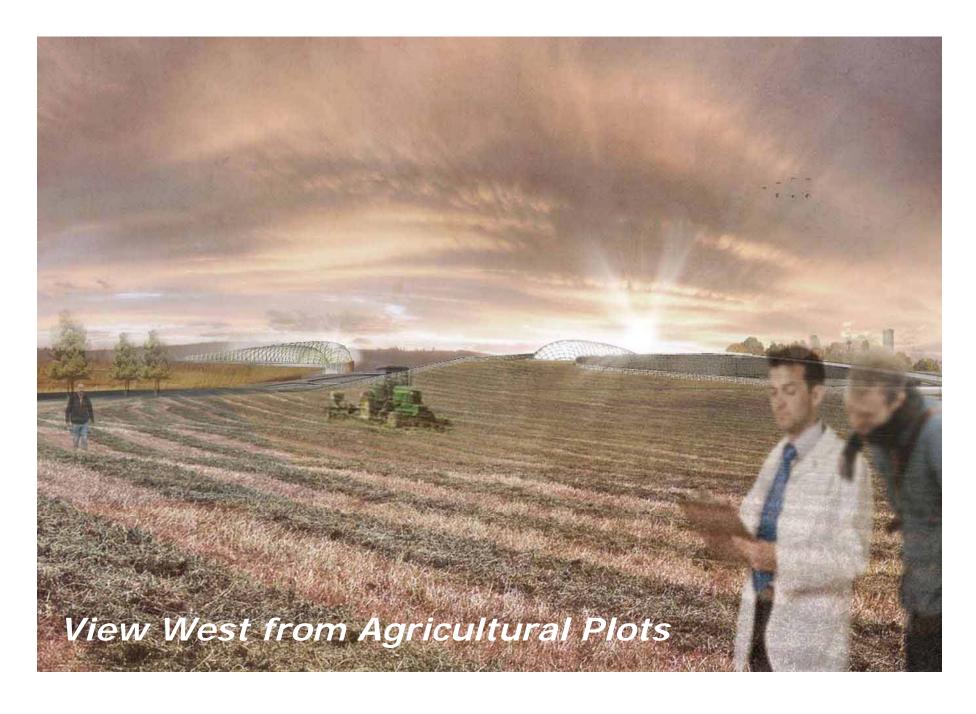
Site Sections Through Bioenergy Pavilion

Note: Vertical Dimension Exaggerated 2:1





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Phase 1City of Calgary
Risk Management Plan

Phase 2
Old Refinery Park

Phase 3
Bioenergy
Infrastructure

Phase 4
SELRT Line and Station

Old Refinery Park Implementation Strategy



Capital Cost Estimate – Phase 1

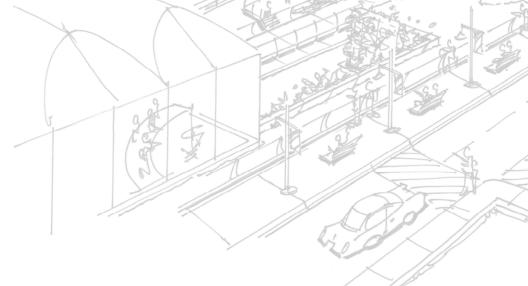
City of Calgary – Risk Management Plan ORP Site Work and U/G Utilities (PFC)

\$30,000,000

\$ 2,500,000

Total Phase 1 Construction Cost

\$32,500,000



Capital Cost Estimate - Phase 2

Commaci	75	Editiiworks
Contract	2 -	- Roads, Parking & Utilities
1	•	

Contract 3 - Architectural

Contract 4 – Site Structures

Contract 5 – Hard Landscape

Contract 6 – Site Restoration

Contract 7 – Public Art & Interpretation

Total Phase 2 Construction Cost

Plus 15% Contingency - \$6,728,250 Plus 15% Soft Costs - \$7,737,488

Total Phase 2 Budget Required \$59,320,738

280,000

3,000,000

19,500,000

\$ 13,200,000

4,225,000

\$ 3,500,000

1,150,000

\$44,855,000

Capital Cost Estimate - Phase 3

Solar Farm (ENMAX) Wind Farm (PFC)

\$ **?** \$ 605,000

Total Phase 3 Construction Cost

\$

Total Cost to Parks Foundation Calgary

Phase 1
Phase 2
Phase 3

\$ 2,500,000

\$59,320,000

\$ 605,000

Total PFC Budget Required

\$62,425,000



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