



Large Construction Projects for Ashbridges Bay Treatment Plant

Presentation to
Neighbourhood Liaison Committee

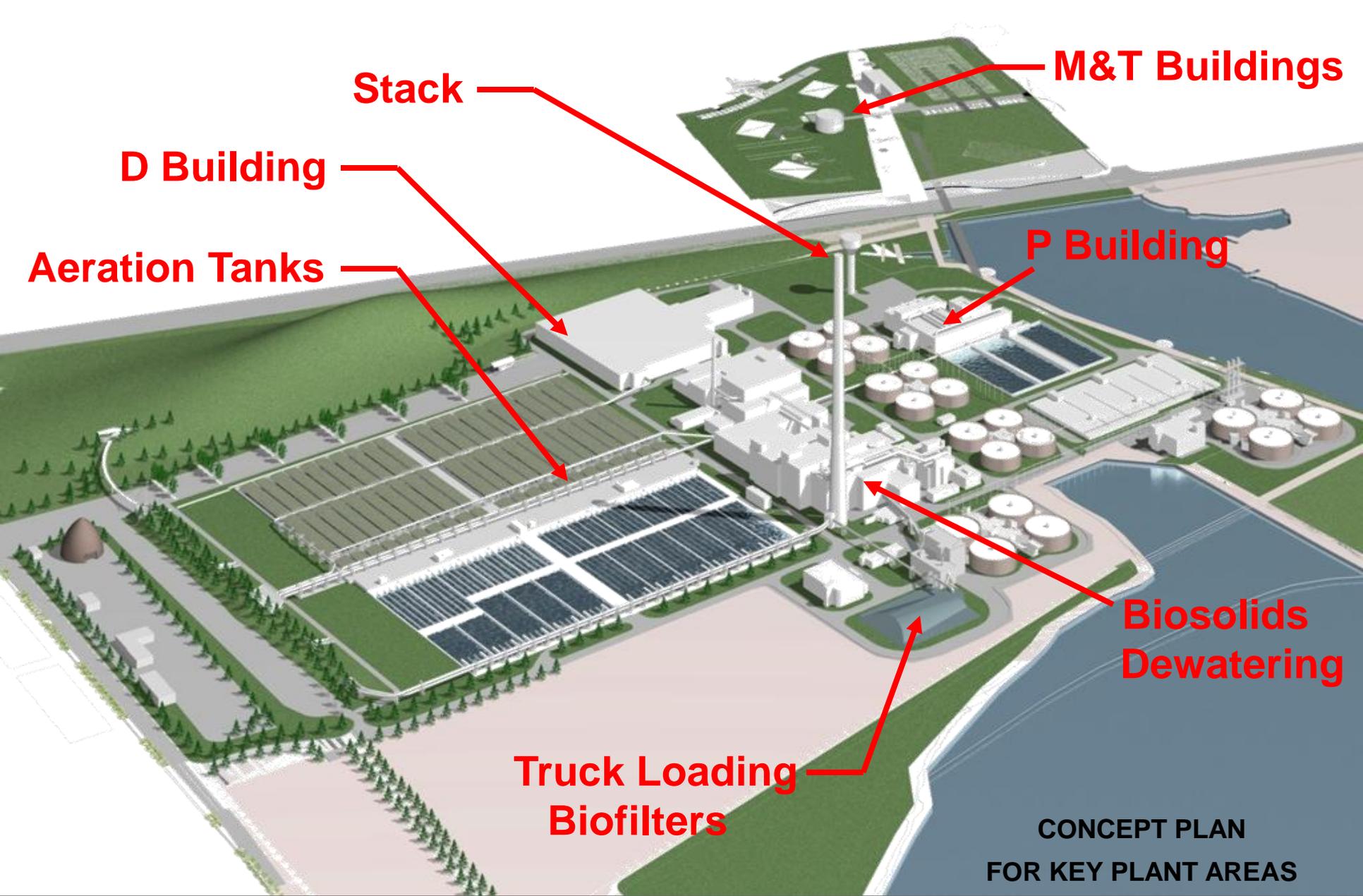
February 28, 2012



Project Steps

- Conceptual Design
- Pre-Design
 - Air Management Study
- Detail Design
- MOE Certificate of Approval (C of A)
- Procurement
- Construction
- Post-Construction

Accomplishments		Current		Next Steps	
Conceptual	Pre-Design	Detail Design	Permit	Procurement	Construction



Stack

D Building

Aeration Tanks

M&T Buildings

P Building

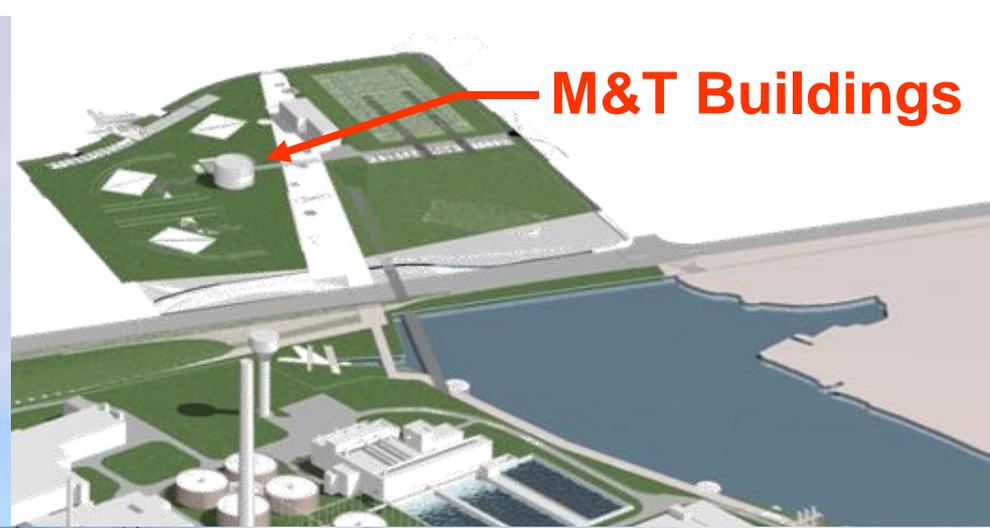
**Biosolids
Dewatering**

**Truck Loading
Biofilters**

**CONCEPT PLAN
FOR KEY PLANT AREAS**



M



M&T Buildings



T



M & T Building



Current Status

- Contract Value: \$10.7M
- M Building – In Operation
- T Building - Commissioning HVAC

- Completion - April 2012

Conceptual

PreDesign

Detail Design

Permit

Procurement

Construction





D Building



Current Status

- Contract Value: \$81M
- New Screens
- Improve De-gritting
- New Grit Truck Loading Facility
- New Biofilter

- Completion – July 2013

Conceptual

Pre-Design

Detail Design

Permit

Procurement

Construction





P Building Upgrade



Scope

- New Screens
- Improve De-gritting
- New Grit Truck Loading Facility
- New Biofilter
- New HVAC
- New Electrical

Next Steps

- Procurement – Summer/Fall 2012
- Construction – Winter 2012
- Construction Duration – 3 Years

Conceptual

Pre-Design

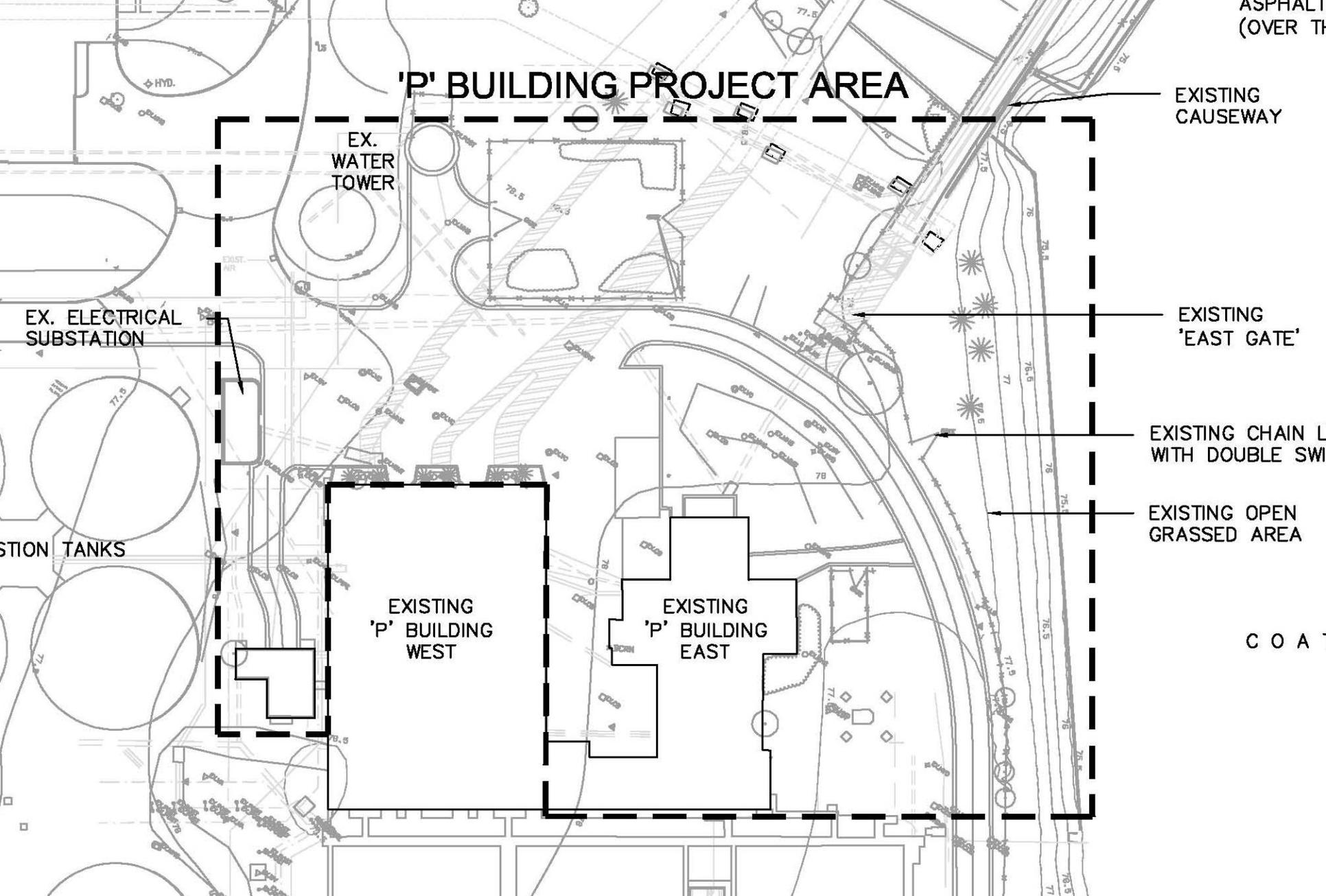
Detail Design

Permit

Procurement

Construction

'P' BUILDING PROJECT AREA



EX. ELECTRICAL
SUBSTATION

EX.
WATER
TOWER

EXISTING
CAUSEWAY

EXISTING
'EAST GATE'

EXISTING CHAIN L
WITH DOUBLE SW

EXISTING OPEN
GRASSED AREA

STATION TANKS

EXISTING
'P' BUILDING
WEST

EXISTING
'P' BUILDING
EAST

COA



SOUTH ELEVATION
SCALE 1:125



EAST ELEVATION
SCALE 1:125

Aeration Tanks



2010/08/27 08:32

Aeration Tanks Odour Control



Current Status

- Contract Value: \$20M
- Removal of the existing Ventilation System
- New Ventilation Ducting
- New Fans
- Exhaust Through Incinerator Stack
- Completion - Spring/Summer 2013



Conceptual

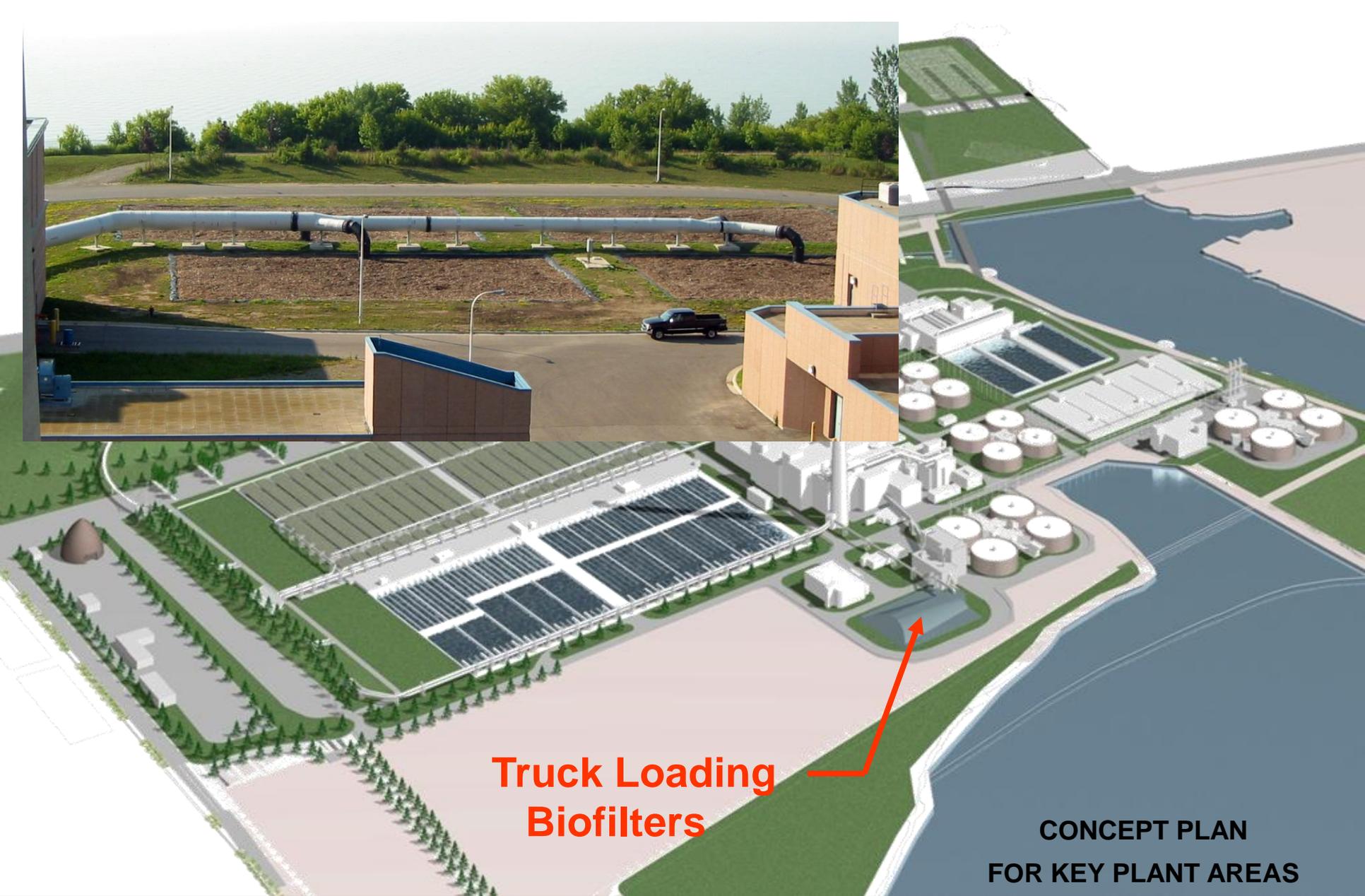
Pre-Design

Permit

Detail Design

Procurement

Construction



**Truck Loading
Biofilters**

**CONCEPT PLAN
FOR KEY PLANT AREAS**



Truck Loading Biofilter



Accomplishments

- Conceptual Design
 - Biofilter Replacement
 - Pellitizer Odourous Air
- Permit (CofA)

Next Steps

- Selection of Engineering Firm
- Detail Design
- Construction

Conceptual

Pre-Design

Detail Design

Permit

Procurement

Construction



QUESTIONS?