SELECTED PROJECTS

MASTER PLANS

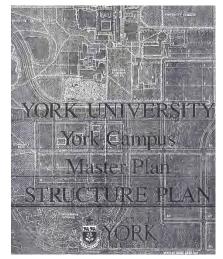
Putrajaya, Malaysia



Aerial view



Mosque, Prime Minister's Office, artificial lake and promenade



York University Master Plan Cover

6.0

6.1 The pepulation at York Campus is exposed in and experiences severe conditions of anow and wind because of unpretexted open narcen and wall-ways. Concerns over personal security an expressed due to the face of the unpretected, thinly pepulated spaces and gaps between buildings.

6.2 ANALYSIS

Preliminary analyses were performed with reference to:

- weather data: ation of prevailing winds; document
- · impact of buildings
- 6.3 MICROCLIMATIC PROBLEMS

ed snow area.

Strong northwest and southcast winds

0

6

The primary problems are winds from the north and west, limit-ing current use of open spaces on the west and the use of the Roos podium.

lates on loeward side of berm.

nates on leaward side of cut portion of

Extremely high wind conditions at podium level of Central Square.

Open to prevailing winds.

· views and vistas:

(Nose: See Figure 17)

(Note: See Figure 16)

PROBLEMS

- Strong northwest upper-level winds.
 Funneling winds.
- Accelerating winds around corner
 Debris blown to parking lot.

mote lavorable conductors exist on the spaces to use cast, protected by Ross. These spaces are currently used predominane-by for parting.

6.4 MITIGATION OF MICROCLIMATIC

6.5 The development guidelines require attention to:

· daylight and sunlight exposure;

built form and landscape protection from high winds:

The development should provide mitigative measures through the new buildings and landscaping. This requires that attention be devoted to a series of suggested guidelines (6.5 Stelow), and has further specific study be made of each ese building within the context of the existing and emerging built eavironment. The scope of study should include wind, snow and multihadow studies.

- modest breezes; ION BOD EXPOSITE NO
- itivity to natural habitat, woodlots and Uni Natural Preserve:
- of buildings, streets and considered in terms of secu-migncement, nesthetics and

- Maintain consistent building heights. Molintain consistent building heights. Podium stucture along north and west facades of proposed building on this site will improve pedestria level wind conduitors.
- Snow feacing should be upgraded as a temporary me
- Orient buildings from cast to west to avoid downwash effects in this area.

- Wall along west side of plaza.
 Increase configures planning in this ana.
 Complete enclosure of walkway will alloviate wind problems. II. Tie in huildings with parking structure.
- Three- to four-storey structure on this site will reduce winds.
- Install parapet and canopy ove alleviate snow problems.
- 14. Enclosed pedestrian links to new buildings

- open-air and weather-protected/climate-potestrian and handicapped circulation.
- · jogging, cycle and ski roctes;

SILVAY, WILL BLANWICKINGH IN COOCHMICHY requirements;

acnsitivity to interesting huildings such as Hoover Homestead and Stong House

 HILD IT STORE AND A CONDITION OF AUTIMATIVE ATLASSIONS
 Section 2016 A control facades to prevent downwath
 Elforst,
 Elf fncrease landscaping and tree planting in this arts.
 Any cast-weat podestrian walkway should be well protected.
 Landscape for wind shelter and scating

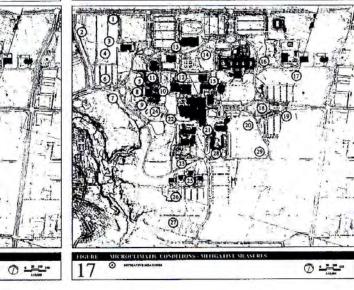
- Building entrances in this area should be set back or protected from funneling winds with landscaping.
- 20 Structures on this site to shelter Central Common
- 21. Relatively good wind climate in this area.
 22. Relatively good wind climate in this area.
 22. This area well-suited for talket development.
 23. Low-rise structuret most suitable in this area.

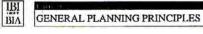
 - 24. Continue Arboretum growth and development as protection from high winds.
 - protection from regn winds.
 Low-rise structures to act as notional p graduate student to wees.
 Any residential development in south block winds from central Campas area
 - est procinct wool
 - Buildings should step up west to east and south to north to minimize downwash effects.

STRUCTURE PLAN

28. Landscape beaunent to improve wind con

29. Snow lencing.





MICROCLIMATE CONDITIONS 0

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16

A surely

Section from York University Master Plan

YORK

Manimize length of west facades to prevent downwash offocts. Stepped building designs alleviate high winds.

URBAN DESIGN

The Concourse, Grande Prairie, Alberta



South Neartone Concourse is a linear sets of panel plaza and soft intriducipa areas, adout 30 m; site molai acuh of the new Grade Mariae M Caley. Davy, and Tereso Sargent Holl, the Concourse is to be part of a larger Crick and Cultural Precision centered on a Town Square proposed for the area south of the Concourse. The site rises 20 m form west to east. The design claws for a future underground vehicular connection between the existing parking under the library and future underground powers between the existing parking under the library and future backdown the generation for own Square and culture buildings to be developed to the south of a later date. The planting and other major components have not been placed over the acts to be accouncil clare to the promoves up to the level of the south entrance. Bucardian for the day panel provides some of thes.

Tree planting provides shade in the summer, allows sun in the winter and breads west winds. Hardy, low-maintenance species provide sectional variety and interest, and the planting design conforms to the principles of CBPED [Orime Prevention through Environmental Design.] The solection and placement of species avoids unance that if any and matry decidaous trees. Access and shading water, and is upwind from any nearby decidaous trees. Access and shading waters and a special and and and and a trees. Access and shading waters and a special and and and and and and a trees. Access and shading waters and a special and and and a decidable and and backs ghading of these and a successful and the design.

Street fumiture is an integrated, expandable system of components including sealing of various types such as free standing benches, concrete sealing walk and both fixed and mavadels tables and chains for the patio and point funch near (thr public and staft). If tash receptaces, koisk, signage, flagpoles, hamp posts, boldes and other fumining are inlegal with the design. East of the main plaza a series of quiet green spaces along a promenode leads to 98 Street. A connection from the eastern end of the promenode accommodales a pedesition desire fine heading southwest from there to 101 Aronuo. This connection transitions from the more formal promenoda lotes formal unit parking aross to partie pavers in gross to e path (until the Tawn Square à constructed.)

The Concourse is designed for phased construction. Site servicing provide for special event power and is sized to handle the full build-out. The design of the South Monitore Concourse site the direction for a Civic and Cultural Precinct that will serve the people of Grande Proite for generations to come.

AB-5 EDA

THE CONCOURSE DESCRIPTION DE LA DELLA DE LA DELLA DELL

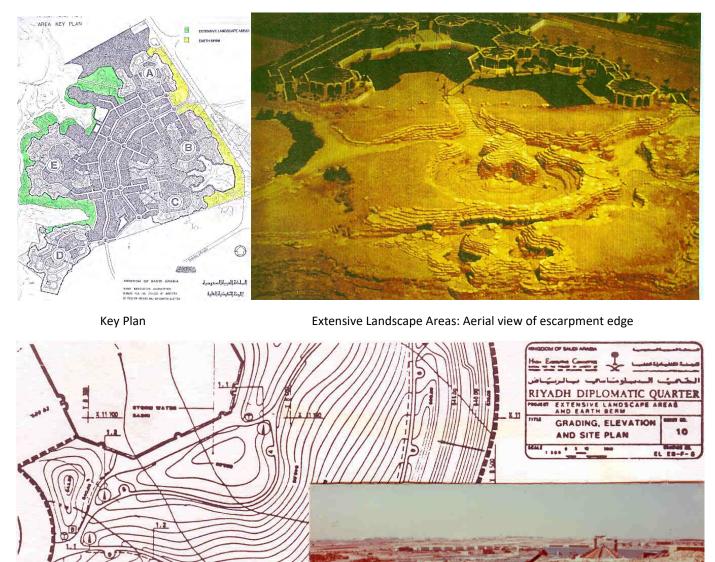
Concept Plan

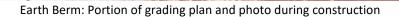


Concept Diagram

PARKS

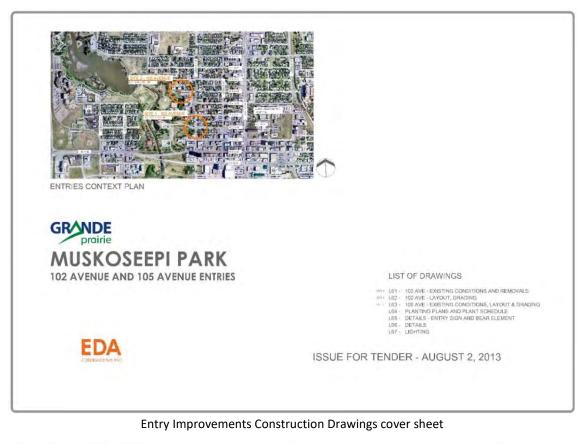
Riyadh Diplomatic Quarter, Riyadh, Saudi Arabia

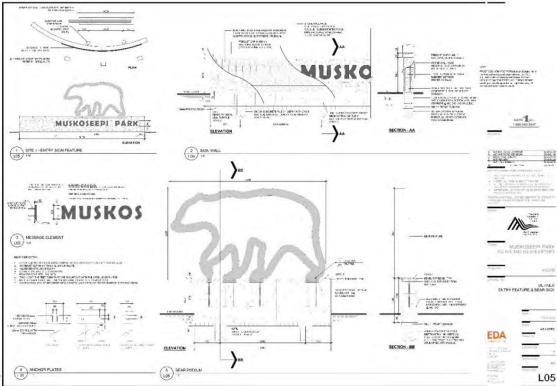




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Muskoseepi Park, Grande Prairie, Alberta

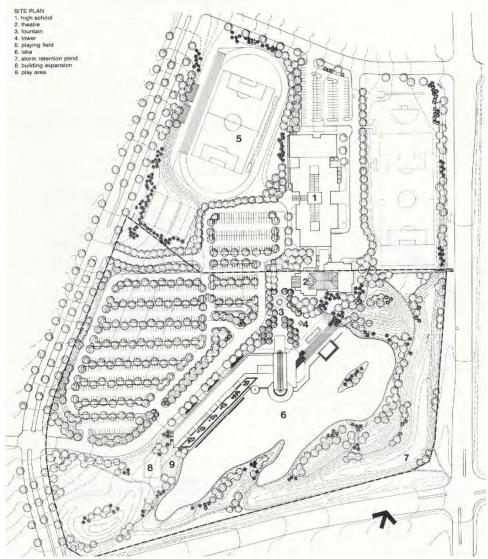




Construction Drawing for entry sign with bear logo design

CIVIC/INSTITUTIONAL

Markham Municipal Building, Markham, Ontario



Site Plan for the competition

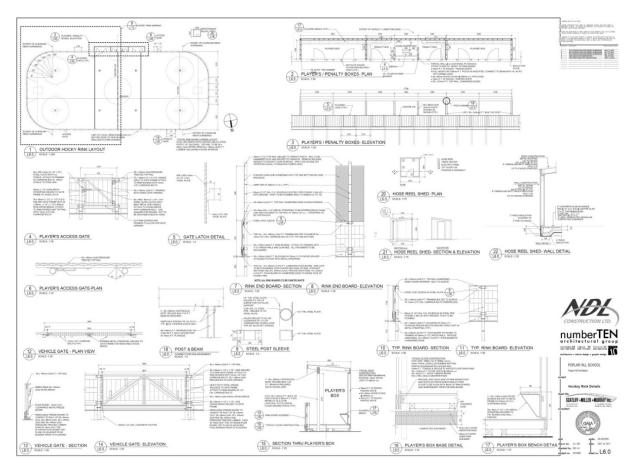


Photo of artificial lake with completed building

Poplar Hill School, Poplar Hill First Nation, Ontario

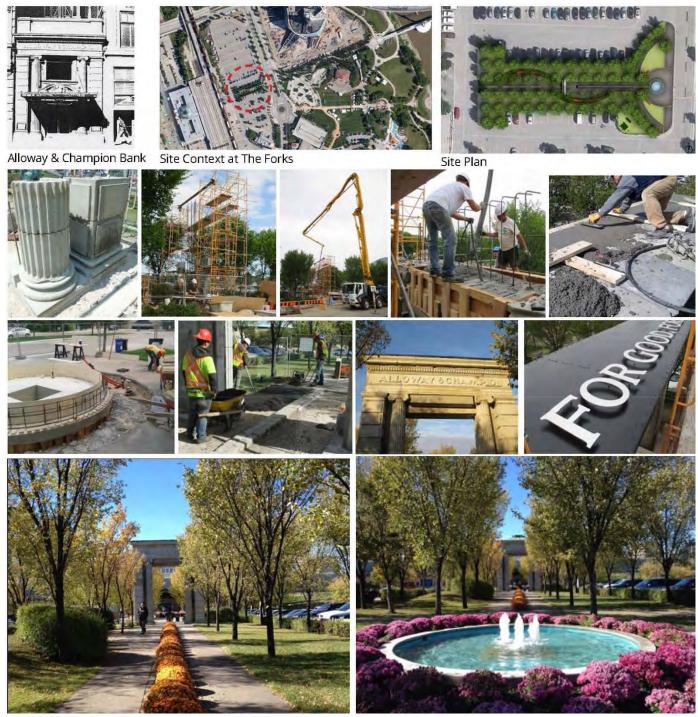


Portion of Grading and Layout Plan



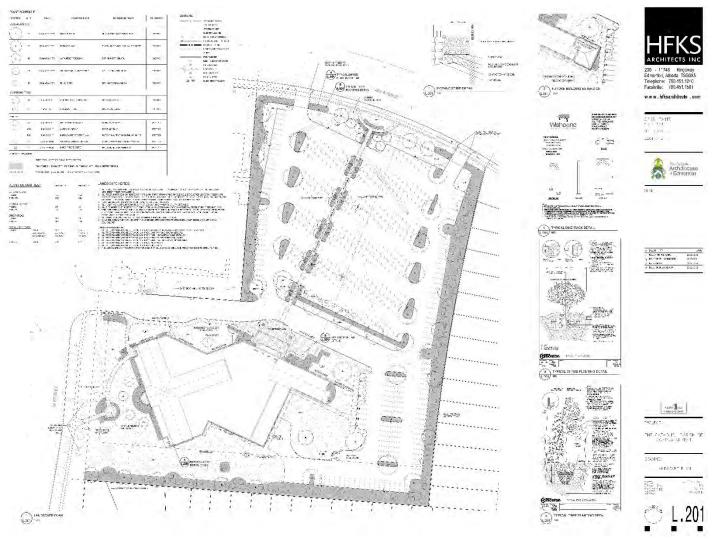
Construction Details

Alloway Arch, The Forks, Winnipeg, Manitoba



Construction photos and completed project

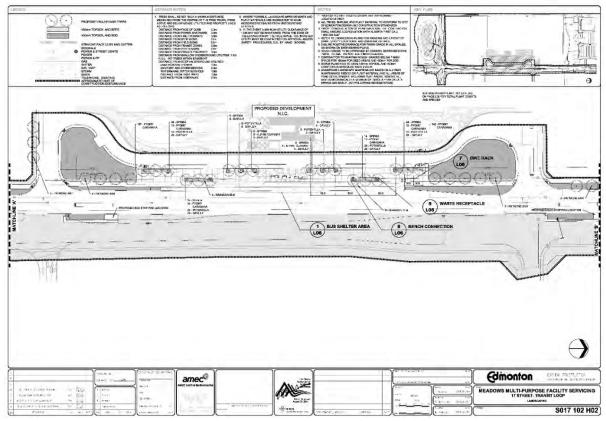
Corpus Christi Church, Edmonton, Alberta



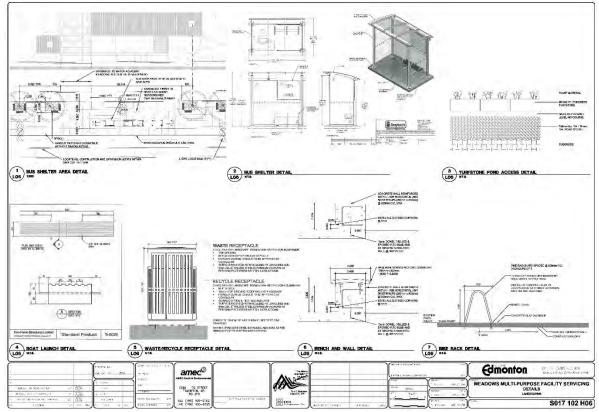
Planting Plan and Details

TRANSPORTATION AND STREETSCAPE

Meadows Multi-Purpose Facility Servicing, Edmonton, Alberta

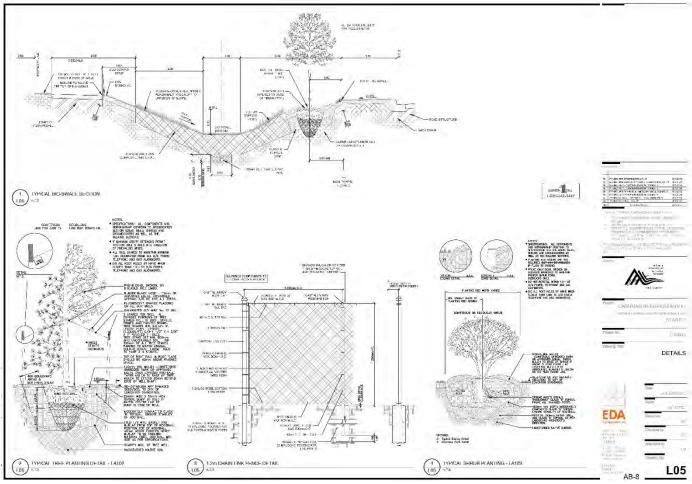


Transit Plaza Layout and Planting Plan



Transit Plaza details

103A Street SW, Cashman Neighbourhood, Edmonton, Alberta



Planting details including bio-swale



Bio-swale under construction

Completed planting bed

COMMERCIAL

Telekom Malaysia Headquarters (Menara Telekom), Kuala Lumpur, Malaysia



Office tower with Sky Gardens



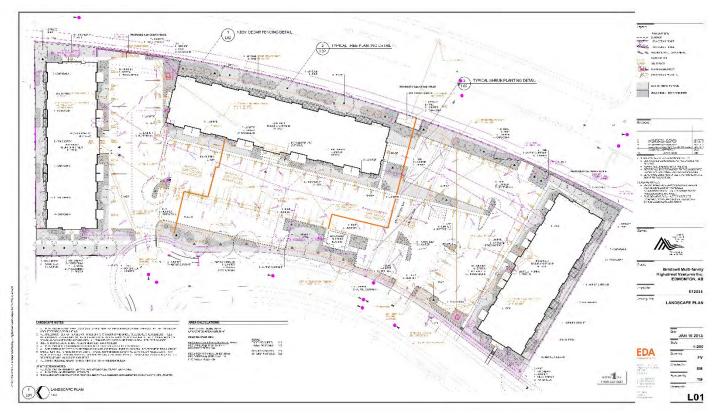
Typical Sky Garden



Plaza over parking garage

RESIDENTIAL DEVELOPMENT

Brintnell Multi-family, Edmonton, Alberta



Planting Plan

Skyline Hills / Montage, San Diego, California



Layout Plan for pool area