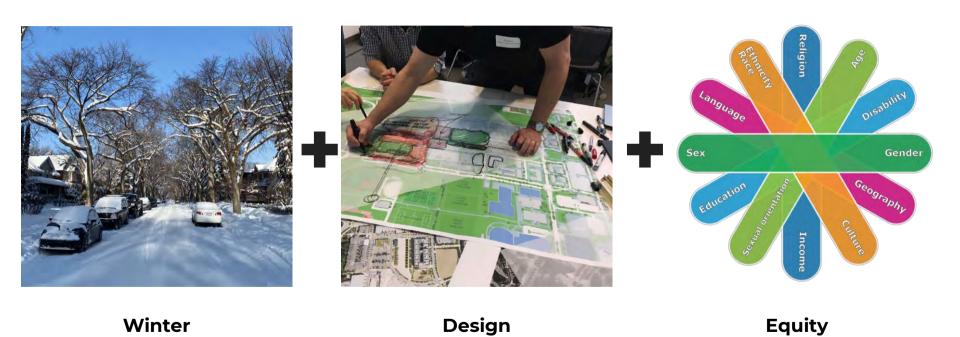


### Hello!



### **Agenda**















### A Winter City Design Agenda

### Winter Design in a Nutshell

The Winter Design Guidelines are comprehensive. For the sake of simplicity, however, the five main principles of winter city design are:

- Incorporate design strategies to block wind, particularly prevailing winds and downdrafts.
- Maximize exposure to sunshine through orientation and design.
- 3. Use colour to enliven the winterscape.
- Create visual interest with light, while being mindful of intensity, spread, contrast and colour.
- Design and provide infrastructure that supports desired winter life and improves comfort and access in cold weather.



#### WARMTH AS A CLASS ISSUE

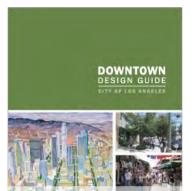
In the context of "winter cities", and thinking that winter cities are different in important ways from cities in warmer climates, this sense of downtown ownership and use becomes an important issue. Winter provides another slant on our normal ways of sorting out people. Warmth is a class issue in a winter city environment, though it has seldom been conceptualized as such. To be warm, dry and comfortable whenever possible in the winter is a luxury afforded to those who have dependable sources of income. Others make do as best they can - sleeping on heating grates or in subway stations - and generally making those who are warm uncomfortable by their presence. The presence of people without resources is not limited to winter cities. All cities face problems with the social organization of space, primarily in the downtowns. To overlay the reality of cold and windy weather on this already difficult issue does, however, add another dimension to this discussion.

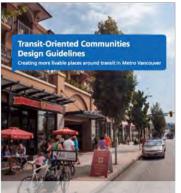
In warm weather cities, the homeless and the indigent are present, but they are able to move around on foot rather easily. If people have to sleep outside, it is not life threatening. In winter cities these groups are constrained to the downtown and its fringes in several ways: what limited amounts of single room occupancy housing are available are generally in this region of the city, along with attendant services like detoxification centers, blood plasma centers, drop-in centers that also provide meals. In addition, due to the constraints imposed by the

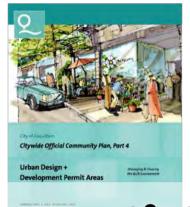


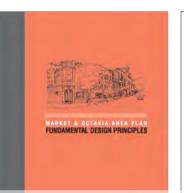


11











DESIGN FOR PAINPRIDGE 2019

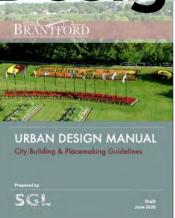
Design Guidelines

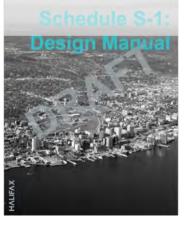


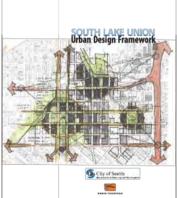


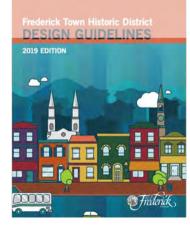
East 3rd Street Area Development Permit Area Guidelines



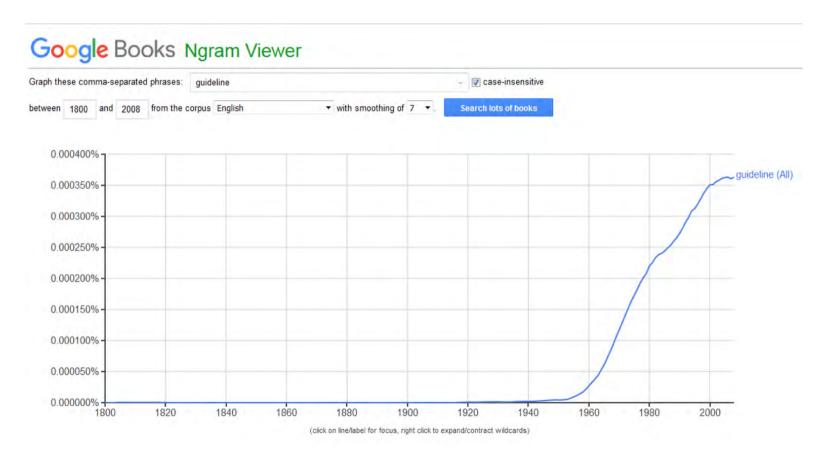




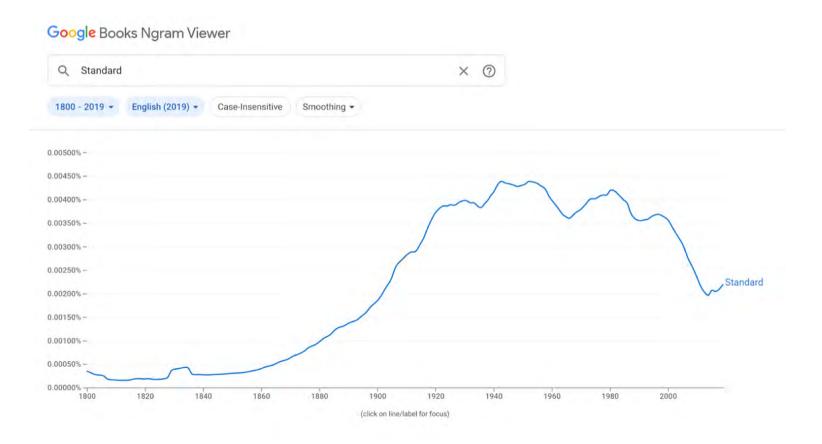




### **Guidelines are on the rise**



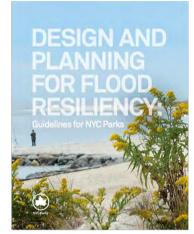
### Standards are not

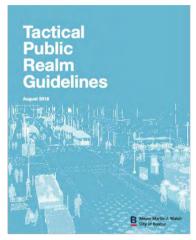


### **Guidelines: ever expanding**















### Design Guidelines: an interesting challenge

#### how can we achieve outcomes that need to be:

- creative (we want to encourage creative solutions)
- contextual (we need sensitivity to varied contexts)
- evolving (new solutions inform future solutions)
- uncertain (we don't know what we want... just what we don't!)

### **Key Challenges**

### Designing the city without designing buildings<sup>1</sup>

 design governance as a second order activity (shapes decisions)

### Design as a creative and contextual activity

difficult to prescribe solutions

### Raising the floor without lowering the ceiling

offer direction without limiting choice

How to make the creative solution the easy one



## Inform < - - > Enforce

# **Design for Equity**



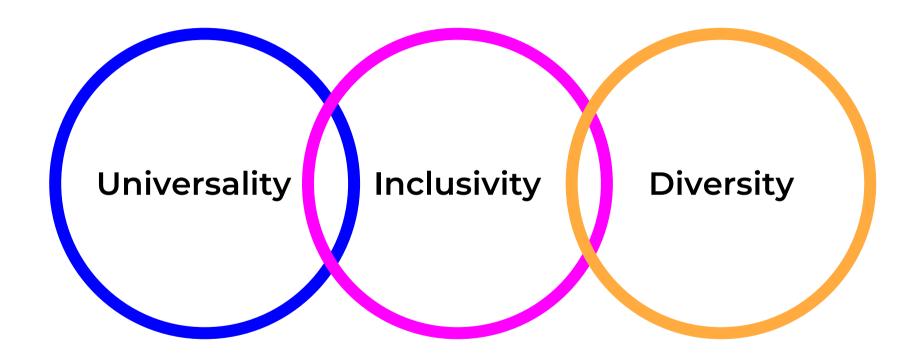
built to sustain it."

Bryan C. Lee Jr

"For nearly every injustice in this world, there's

an architecture, a plan, a design that has been

### Design for Equity: a (draft) framework



+ transgenerational equity

### **Design for Equity: key principles**

to be effective and equitable, guidelines should be

- collaborative + community driven (good process is critical)
- contextual (informed by diverse local knowledge and lived experiences)
- clear (provides useful insight to inform creative responses)
- challenging (amplifies underrepresented + equity deserving perspectives, sometimes at the expense of traditional design values
- **visionary** (presents a positive vision that inspires + tips the balance towards more inclusive design)



### Universality

design that accommodates everyone, regardless of ability or disability, to the greatest extent possible, without the need for adaptation and specialized design

a barrier and burden free built environment

### Not everyone navigates the city in the same way

- people with impaired mobility (e.g. people unable to walk easily, older people or unusually small or tall people)
- people with limited perception, such as blind and visually impaired people, or those who are Deaf or have partial or profound hearing impairment
- people with cognitive impairments such as mental illness, impaired speech, learning difficulties, or dementia

### design that accommodates all





#### EQUITABLE USE

The design is useful and marketable to people with diverse abilities.



- GUIDELINES 1a. Provide the same means of use for all users:
  - 1b. Avoid segregating or stigmatizing any users.
  - 1c. Make provisions for privacy, security, and safety equally available to all users.
  - 1d. Make the design appealing to all users.
- EXAMPLES Power doors with sensors at entrances that are convenient for all users
  - Integrated, dispersed, and adaptable seating in assembly areas such as sports arenas and theaters

#### 5 TOLERANCE FOR ERROR

The design minimizes hazards and the adverse consequences of accidental or unintended actions.

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- GUIDELINES 5a. Arrange elements to minimize hazards and errors:
  most used elements, most accessible; hazardous
  elements eliminated, isolated, or shielded.
  - 5b. Provide warnings of hazards and errors.
  - 5c. Provide fail safe features.
  - 5d. Discourage unconscious action in tasks that
- EXAMPLES A double-cut car key easily inserted into a recessed keyhole in either of two ways
  - An "undo" feature in computer software that allows the user to correct mistakes without penalty

#### THE PRINCIPLES OF UNIVERSAL DESIGN

#### 2 FLEXIBILITY IN USE

The design accommodates a wide range of individual preferences and abilities.



- GUIDELINES 2a. Provide choice in methods of use.
  - 2b. Accommodate right-or left-handed access and use
  - 2c. Facilitate the user's accuracy and precision.
  - 2d. Provide adaptability to the user's pace.
- EXAMPLES Scissors designed for right-or left-handed users
  - An automated teller machine (ATM) that has visual, tactile, and audible feedback, a tapered card opening, and a palm rest

#### LOW PHYSICAL EFFORT

The design can be used efficiently and comfortably and with a minimum of fatigue.



- GUIDELINES 6a. Allow user to maintain a neutral body position.
  - 6b. Use reasonable operating forces.
  - 6c. Minimize repetitive actions
  - 6d. Minimize sustained physical effort.
- **EXAMPLES** Lever or loop handles on doors and faucets
  - · Touch lamps operated without a switch

#### 3 SIMPLE AND INTUITIVE USE

Use of the design is easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level.



- GUIDELINES 3a. Eliminate unnecessary complexity.
  - 3b. Be consistent with user expectations and intuition.
  - 3c. Accommodate a wide range of literacy and language skills.
  - 3d. Arrange information consistent with its importance.
  - 3e. Provide effective prompting and feedback during and after task completion.
- **EXAMPLES** A moving sidewalk or escalator in a public space
  - An instruction manual with drawings and no text

#### SIZE AND SPACE FOR APPROACH AND USE

Appropriate size and space is provided for approach, reach, manipulation, and use regardless of user's body size, posture, or mobility.



- GUIDELINES 7a. Provide a clear line of sight to important elements for any seated or standing user.
  - Make reach to all components comfortable for any seated or standing user.
  - 7c. Accommodate variations in hand and grip size.
  - 7d. Provide adequate space for the use of assistive devices or personal assistance.
- EXAMPLES Controls on the front and clear floor space around appliances, mailboxes, dumpsters, and other elements
  - Wide gates at subway stations that accommodate all users

#### PERCEPTIBLE INFORMATION

The design communicates necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities.



- GUIDELINES 4a. Use different modes (pictorial, verbal, tactile)
  - 4b. Maximize "legibility" of essential information.
  - Differentiate elements in ways that can be described (i.e., make it easy to give instructions or directions).
  - 4d. Provide compatibility with a variety of techniques or devices used by people with sensory limitations.
- EXAMPLES Tactile, visual, and audible cues and instructions on a thermostat
  - Redundant cueing (e.g., voice communications and signage) in airports, train stations, and subway cars

#### THE PRINCIPLES WERE COMPILED BY ADVOCATES OF UNIVERSAL DESIGN, IN ALPHABETICAL ORDER:

Bettye Rose Connell, Mike Jones, Ron Mace, Jim Mueller, Abir Mullick, Elaine Ostroff, Jon Sanford, Ed Steinfeld, Molly Story, and Gregg Vanderheiden.

#### NOTE:

The Principles of Universal Design are not intended to constitute all criteria for good design, only universally usable design. Certainly, other factors are important, such as aesithetics, cost, safety, gender and cultural appropriateness, and these aspects must also be taken into consideration when designing.

© Copyright 1997 NC State University, Center for Universal Design, College of Design design.ncsu.edu/resear ch/center-for-universaldesign





### 'Two-sense' orientation



### **Equitability of use**



#### G Peters 👗 @mssinenomine · Jun 18

We absolutely need design for seating and reclining in public space but we also need the design of the space and the seating to be accessible and inclusive of more than young non-disabled thin (often also not designed for pregnant) adult body.

Alt text for photos in next tweet.

AI Generated Tweetbot = @shawnmicallef - Jun 18

A selection of loose furniture seen in New York on a run to Battery today. Toronto chastising & naysaying provincialism is deep. twitter.com/moore\_oliver/s...









111 2,831



#### Principles for dementia-friendly design

These principles show how the strategies and actions presented in Section 2 (Guidelines) can positively impact people living with dementia and their care partners. There are six principles for dementia-friendly design:

#### **Familiar**



Familiar environments help people living with dementia recognize where they are and find where they want to go by designing features that people have seen before and can easily recognize. Familiar neighbourhoods support independence and wayfinding.

#### Legible



Legible spaces help people living with dementia navigate their neighbourhoods by using obvious design cues to clearly communicate the function or purpose of a space, feature, path, or building.

#### Distinct



A distinct environment includes features that are unambiguous, varied, and interesting. People living with dementia rely on distinctive spaces and landmarks as visual cues for wayfinding.

#### Accessible



Accessible environments make it easy and convenient for people of all abilities to access services and amenities within walking distance of their homes, supporting independence and social inclusion.

Accessibility applies to all aspects of the built environment.

#### Comfortable



Comfortable environments are welcoming and non-intimidating. People living with dementia may have difficulties with sensory overstimulation, such as with bright lights, crowds, or loud noise. They can benefit from serene, quiet, and pleasant spaces to pause, rest, or socialize.

#### Safe



Safe environments allow people to spend time in the public realm without experiencing fears or risks. People living with dementia may be less aware of physical and social dangers and can experience contrast sensitivity, which increases the risk of falling.

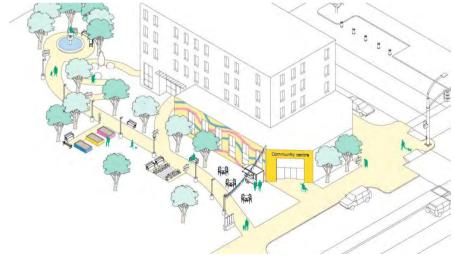




## Dementia-inclusive planning and design guidelines



happycities.com/projects/dementiainclusive-planning-and-designquidelines





### **Inclusivity**

design that treats everyone with dignity and respect and invites all, including underrepresented and marginalized groups, to feel welcome in public spaces

encouraging multiple users and activities to interact and share the public realm

### Not everyone experiences public space the same way

- people who are marginalized and impoverished, especially in spaces that emphasize consumption
- people who feel different and unwelcome because of the ways spaces are coded for who belongs and is represented
- people who feel unsafe or unaccommodated because they feel or are vulnerable in a space







#### **Resist 'hostile architecture'**





ts Opinion Business Arts Life Puzzles Comics Healthing Driving ePaper Rememberi



Local New



## 'Barbaric' spikes on benches outside Jasper Avenue CIBC will

be removed after community opposition

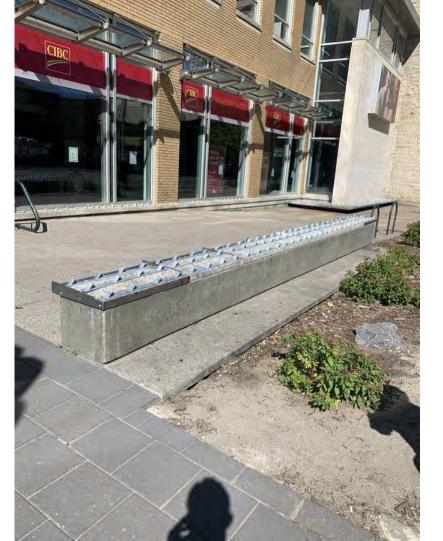
**Dustin Cook** 

Published Jul 30, 2020 + 3 minute read

40 Comments

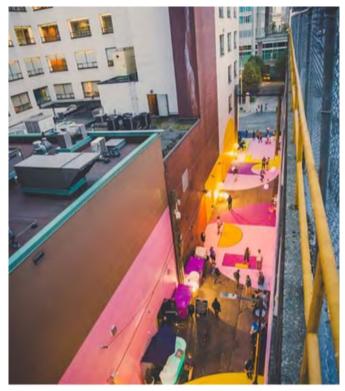


Amos Kajner-Nonnekes, principal founder of studio Design, et cetera, poses with the wood-backed cushions he has created to counteract the metal spikes that have been installed on benches around the 10102 Jasper Ave. CIBC branch, July 30, 2020. CIBC said the spikes will be removed after community feedback. PHOTO BY DAVID BLOOM /David Bloom/Postmedia









Alley Oop Vancouver BC HCMA / Downtown Vancouver BIA



#### **Diversity**

design that serves a diverse array of cultural activities and forms of expression, celebrates group differences and makes visible multiple publics

A built environment that reflects the complexity and diversity of its full community

#### Public space design should reflect the actual public

- public space designed for 'everyone' can seem designed for no one (except a status quo)
- public space is an opportunity for many should see themselves reflected in the spaces and life of the city
- collaborating with diverse communities is an opportunity for more meaningful design







Alex Bozikovic
@alexbozikovic

Activating the public realm is my passion

https://twitter.com/alexbozikovic/status/1671626658481070080

Urbanism can either repress ways of inhabiting the city or reveal new sensory possibilities that instigate novel forms of political subjectivity. In this respect, urbanism serves an important boundary-making function in maintaining modes of being and forms of visibility. A city, as envisioned by urban designers, may also produce representations and future projections that, although not always intentional, have the effect of concealing the sensibilities of multiple publics and rendering invisible unequal social relations. What urban design considers as the "public" is always partial and incomplete.

Michael Rios

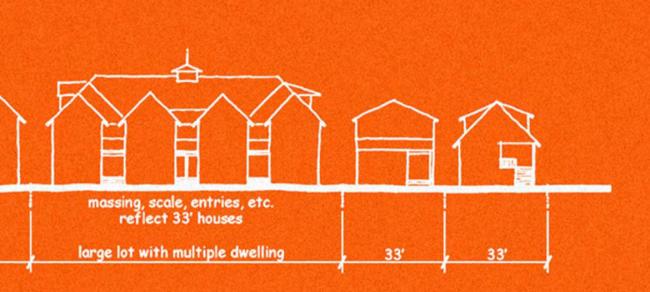








#### Challenge 'traditional' notions of character







Hot & Noisy Mahjong Nights Chinatown Vancouver BC

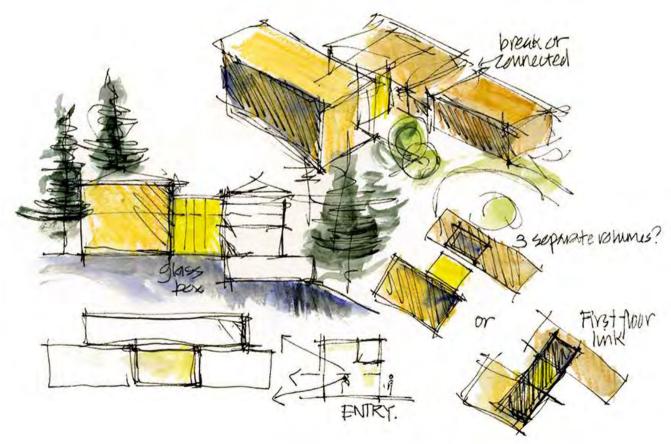
### **Transgenerational Equity**

design that reduces the impact of new development on affordability and sustainability.

A built environment that does not unfairly burden upcoming generations

# We can do better!

## Design is a process.























Mobility & Movement



Inclusion & Equity



Open Space & Activities



Comfort & Safety



Engagement

FUTURE

**IMPLEMENTATION** 





**764**Survey Participants



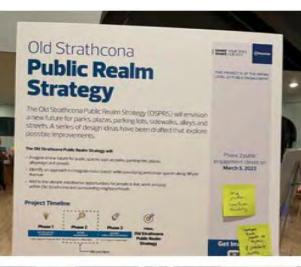
130

**Pop-up Event Visitors** 



213

**Map Comments** 

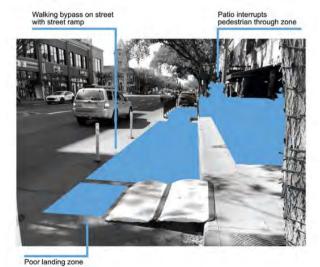




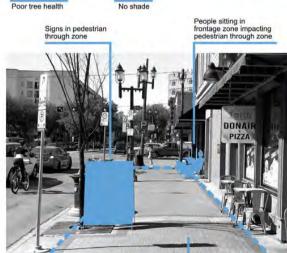












Uneven surfaces





#### **NEW SIDEWALK ZONE**

Sidewalk Width Increases From ~ 4.0 m to 7.8 m



### **NEW SIDEWALK ZONE**

Sidewalk Width Increases From ~4.0 m to 7.8 m



Sidewalk Width Increases From ~4.0 m to 4.3 m

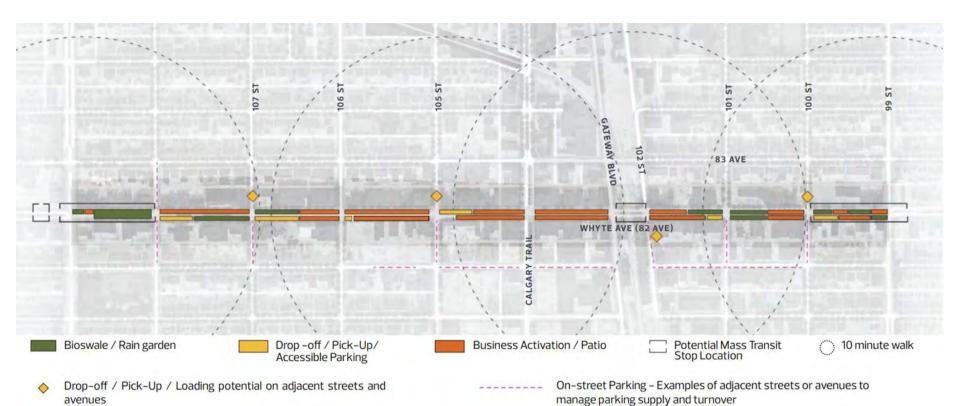


Sidewalk Width Increases From~4.0 m to 4.7 m



### Design with care.

## Inclusivity but acknowledging our diversity.





# Communities provide the answers.

### thoughts?



### Thank you!