



# EMPOWERED TO OVERCOME AND ACHIEVE.

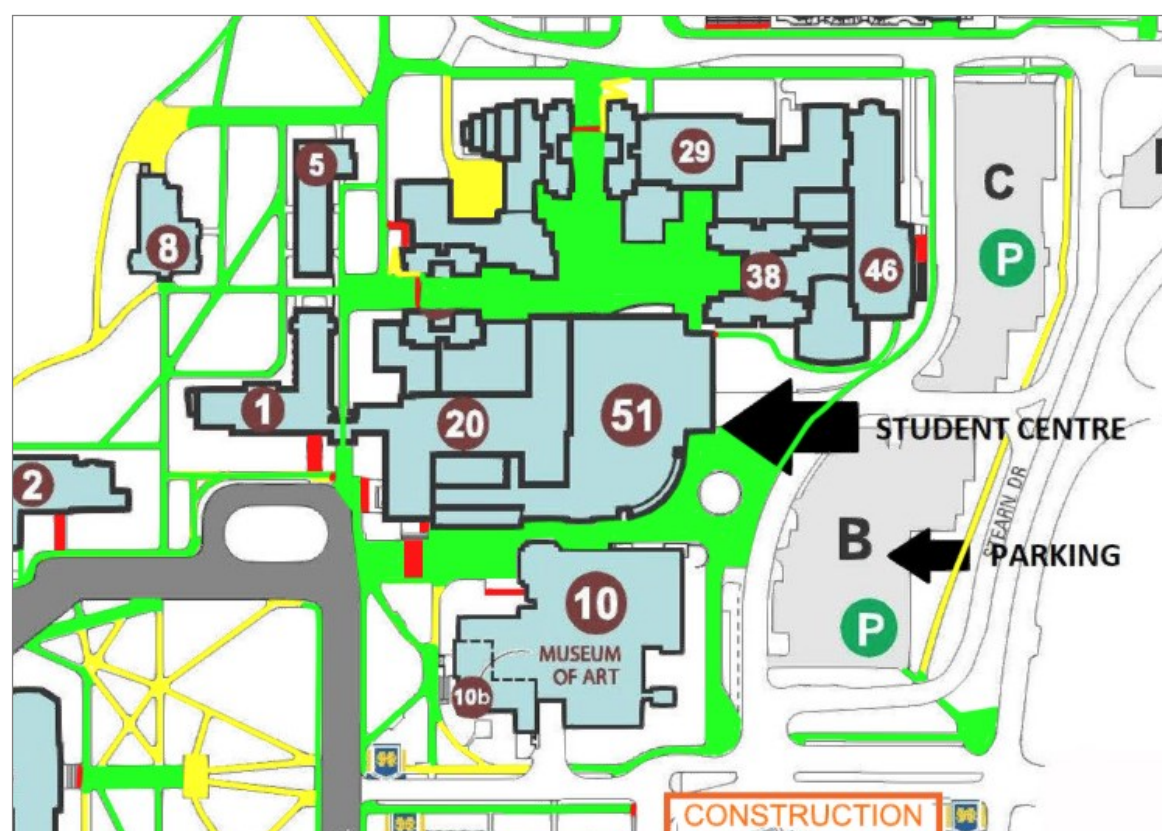
### THE SEARCH FOR VIABLE ACCESSIBILITY SOLUTIONS

While most large universities claim to be fully wheelchair accessible, many students with disabilities would disagree. The creation of a campus map, rating all pedestrian pathways on their level of accessibility, would be a vital resource for students with varying physical disabilities. This resource would aid students in managing the current accessibility limitations of their campus, while universities undertake long-term modifications of existing pedestrian pathway infrastructure.

### A UNIVERSAL APPROACH

Given the importance of perception in determining accessibility, the first stage of the project was to establish a baseline reflecting the single most difficult physical disability scenario. This method reduces the probability of a person with a mobility impairment perceiving a pathway or route as less accessible than rated through CAMP. A single mapping standard also greatly increases executional feasibility and minimizes future maintenance costs.

ACCESSIBILITY GRADE	DEFINING FEATURES
<b>RED</b> (no absolute accessibility)	<ul style="list-style-type: none"> <li>• Direct barriers (walls, curbs, stairs, grass)</li> </ul>
<b>YELLOW</b> (low relative accessibility)	<ul style="list-style-type: none"> <li>• Rough pathways (deteriorated, gravel, dirt)</li> <li>• Steep ramps (&gt;1:12 height:length)</li> <li>• Long hills or ramps (&gt;20m)</li> <li>• Cross-sloped pathways</li> </ul>
<b>GREEN</b> (high relative accessibility)	<ul style="list-style-type: none"> <li>• Smooth pathways</li> <li>• Standard ramp slope (&lt;1:12 height:length)</li> <li>• No cross slope</li> </ul>



### THE PROTOTYPE

The prototype excerpt, seen left, represents this proof-of-concept initiative aimed at exploring potential solutions for the problems associated with inadequate campus accessibility. The application of CAMP's criteria to the McMaster campus has generated a resource that will soon be made available to students at the university. The way in which this information will be provided may change with the evolution of the project.

### FUTURE VISION

The limitations of CAMP in its current state call for further development. The information gathered through CAMP could be made available through an advanced system, which could also convey vital information and updates concerning the McMaster campus, such as closures, intermittent barriers to accessibility and disruptions in transportation services. Additionally, the inclusion of an interactive problem reporting tool, connecting students with the appropriate McMaster services, would further address concerns surrounding the limitations of our current mapping initiative.

