

STATEMENT

Current methods of visual representation of built environment design lack user interactivity and engagment.

NEW MEDIA TECHNOLOGY Previously in the field of landscape architecture it has been either too time

of representation could be found.

consuming or too difficult to create convincing visual representations of large scale urban designs. While new forms of hybrid drawing methods have been created to show landscape design traits, they're integration with the overall big picture is often disconnected. This research attempts to bridge the gap between previous methods of representation in the field, and new forms of media to more effectively present our work. Technology advancements have allowed for various types of new software to be adapted for use in other fields; by embracing this idea it would allow a wider range of recipients the ability to experience new proposals. The result will be beneficial to the field of landscape architecture by using new media methods to promote and raise public awareness for large scale urban projects. Informative visuals could also be helpful to publicly display projects which deal with environmental issues. Future research could identify more ways to use and promote landscape design through new media, and as technology continues to advance more efficient methods

IHYPOTHESIS

By embracing new hybrid forms of visualization designers of the built environment will have the ability to create more widely used and visually engaging graphic presentations.

The art of visualization and representation is going to be pushed even further into the forefront as businesses built around mastery of software and specialty knowledge are going to be pushed to the side.
The democratization of visualization throughout the design process is quickly approaching and how you decide to act on that knowledge will mean the success or failure of many in our business.

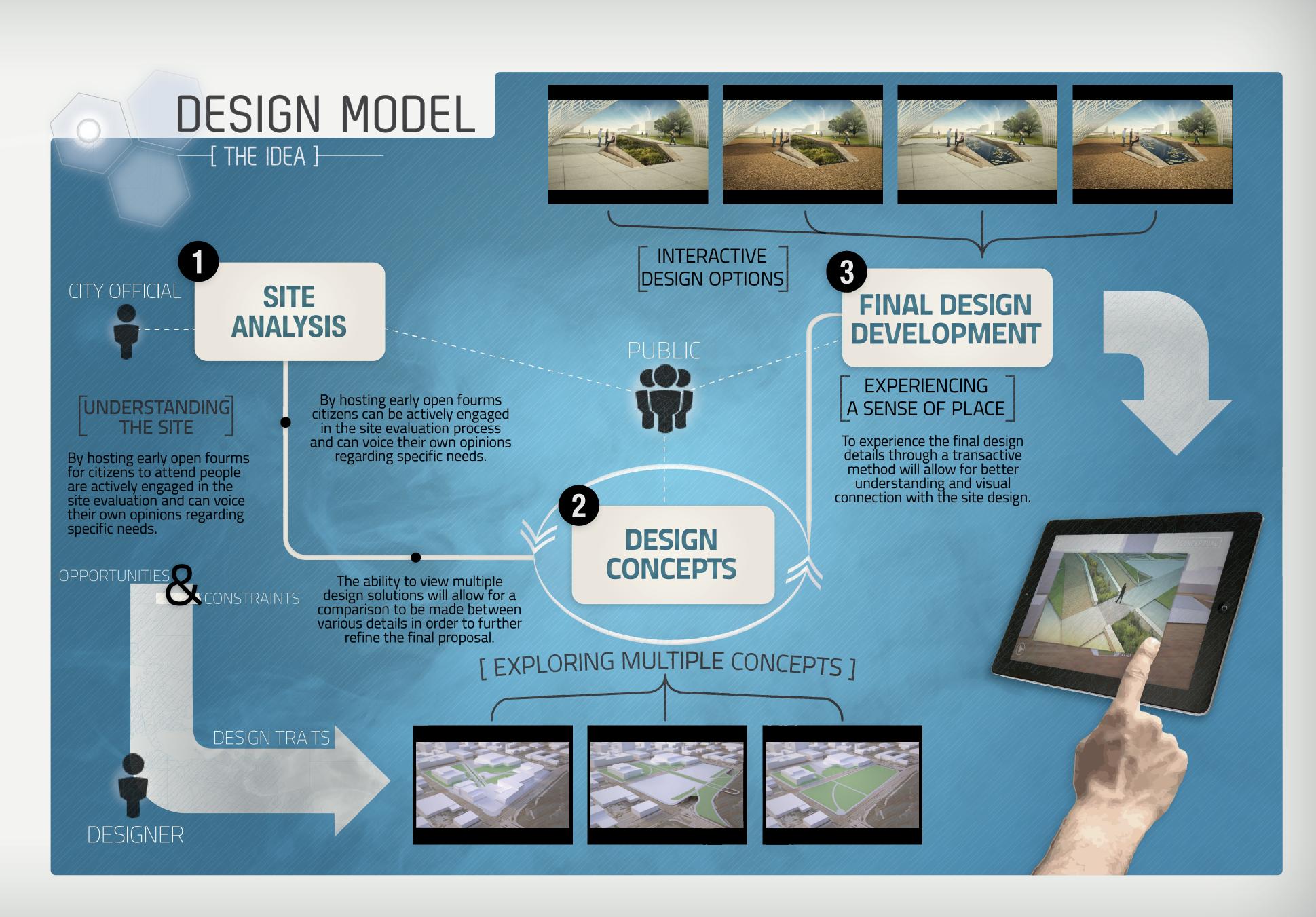
IQUESTIONS

How can designers of the built environment use new software and immersive technology together to create a dynamic virtual sense of place through the

express design traits through a trans-active method to a wide range of recipients using new media?

- FOR THE BUILT ENVIRONMENT use of spacial navigation? Additionally, how can landscape architects effectively
 - ENGAGING THE AUDIENCE IN A

CREATING A VIRTUAL SENSE OF PLACE



OF VISUALIZATION

Software Used Adobe Products : Illustrator, InDesign, Photoshop, Encore, After Effects 3d Studio Max Design, SketchUp, Google Earth

> TRADITIONAL GRAPHICS SCHEMATIC DESIGN For every design project traditional graphics are used throughout the process to help designers colaborate and document their work. These graphics are most commonly plan and section drawings, which are notational graphics used to detail and envision 3D space

in a 2D form.

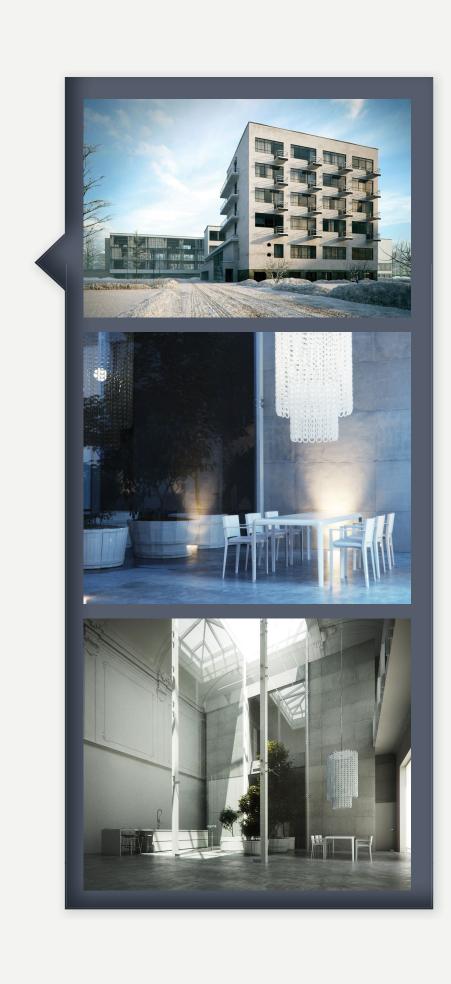


> HYBRID STYLES CONCEPTUAL + FINAL DESIGN design traits and convey an overall feeling for the space being shown. These styles are often mixed media visuals or photo-montages to show a sense of space. This type of visualization does not rely on a high level of detial to achieve realism, but instead on an atmosphere to

show the life of a design.



> PHOTO-REALISTIC FINAL DESIGN Ultumately the most popular trend in visualization today is achieving the most photo-real renderings imaginable. This type of style focuses on the small details to achieve a extremely high level of realism. The material textures and virtual lighting are highly important in the process of creating these visuals, which makes them very tedious projects



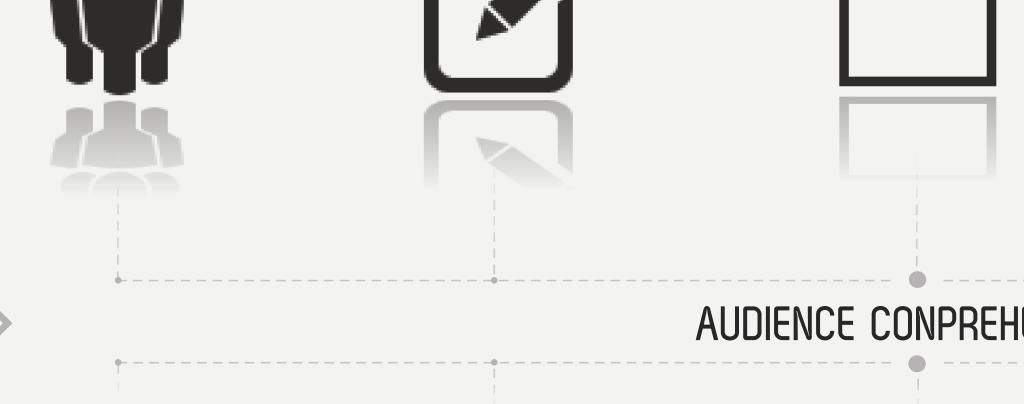
through moving visuals and sequences that guide you on a virtual tour of a design. Simple virtual walkthroughs are common for showing designs, but more recent animations emulate cinematic features composed of slow panning shots and lens focusing techiques.











Design visualization is a key part of the pub- The industry of design visualization has Advancements in computer software have With new types of virtual communities like The hype cycle graph showed the current and lic design process today and should be fur- reached a peak in existing visual techniques. created opportunities to realize new forms of computer games and video games the trend future trends for technology, in which a shift ther expanded on for better public aware- Photo-realistic renderings are becoming too representation, yet the industry standard is of gamification has become common knowl- is happening that will allow a wider range of ness. Early in the process traditional plan standard and static as time goes on. They fail still the same. New forms of software have edge. The online colaboration of virtual com- audiences to interact with designers. With and section drawing methods are difficult for to engage users and only represent a sense of non-designers to understand. While images space, while users are still trying to concieve a are often created to visualize projects, they sense of place. The current techniques do not are of the current techniques d are often used only toward the end of the depict the tactic knowledge needed to fully are much too complex for every-day users to ers will be more actively engaged in the proj- place it at the fingertips of users with tablets

process to show the final design. Integrating understand a project from a non-designers understand and navigate. By adapting cur- ect and have a greater understanding of the will encourage the public to become more innew technologies into the public design pro- point of view. By embracing new interactive rent software to new types of interfaces the space. The relationship between the client terested in design projects. Integrating visucess could offer greater collaboration and un- techinques visuals can be more easily under- result will be more interactive and designer will be made stronger through alization with the various mobile devices will derstanding throughout the process. stood by the general public. representations. the use of new types of virtual design compublic projects.



JAKE WILLIAMS | LA 572 DESIGN THESIS North Dakota State University | April 2013 Primary Advisor : Mehran Madani