ABSTRACT

DISSERTATION/THESIS/RESEARCH PAPER/CREATIVE PROJECT:
MATERIALSCAPE: The Transformation and Revitalization of an abandoned limestone quarry into an educational and recreational public park

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MaterialScape layers a 65-acre educational park of material consumption on an abandoned quarry in Indianapolis, IN., where material extraction was and still is a major component of Indiana’s cultural and economic history.

The project aims to create an immersive and engaging learning experience for the visitors through the visualization and the representation of the consumption of six essential materials (water, stone, coal, steel, gasoline, and salt) in landscape architecture’s design language. It addresses sustainability not only through environmentally low-impact development of the quarry site but also through emphasizing cultural sustainability by integrating innovative and rich educational programs.

As a future landmark destination, the project has the potential to bring multiple benefits to the west Indianapolis community where the site is located, including raising land value and strengthening public space networks and more importantly, creating a sense of belonging and honor.