

Applying Sustainability Measures to Heritage Conservation In De Pere, WI

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Aims of the Study

1. Examine and discuss the roles of heritage conservation and sustainability in America's downtowns, using De Pere, WI, as a case study.
2. Apply sustainable design principles in conjunction with historic preservation guidelines to built environments in order to improve the sense of pride and community in downtown spaces, while also implementing energy saving measures for the future.

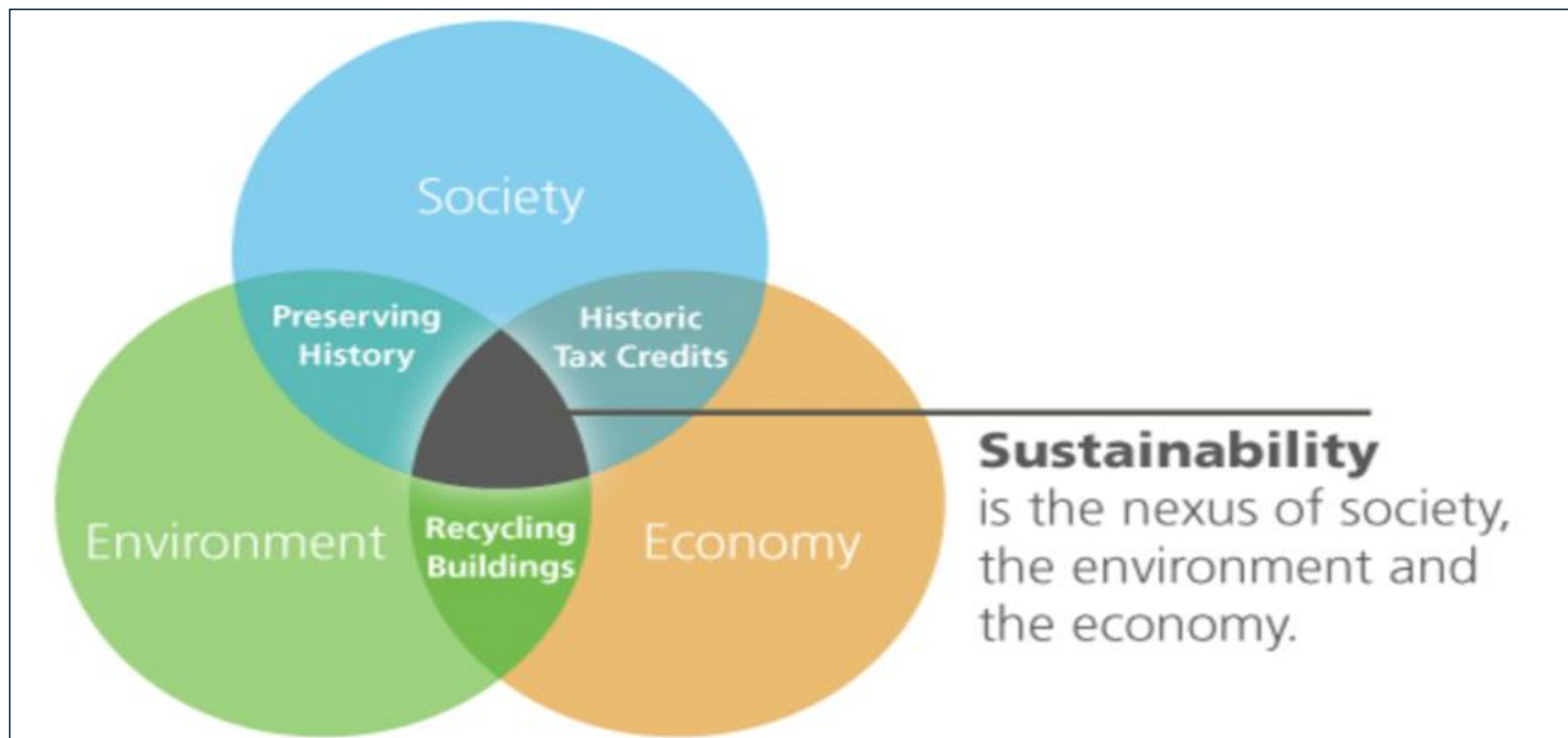


Figure 1. Historic preservation is inherently a sustainable practice. Source: The National Park Service. US Department of the Interior website, 2012

Research Questions

1. Are heritage conservation and its sustainability important in the long run for a community?
2. What techniques can be used to achieve sustainability-based heritage conservation?
3. What are the most significant heritage sites in De Pere, and what are the current conservation efforts being implemented to preserve them?
4. How can heritage conservation and sustainability improve the lives of residents in smaller communities?

Results

Assessable Ways Historic Conservation & Sustainability Benefits Downtowns

- Sense of place
- Less cultural homogenization
- Preserve climate-responsive buildings
- Preserve local traditions and values
- Strengthen Community Inclusion
- Conserve resources and reduce waste

Importance of Heritage Conservation & Sustainability to Residents

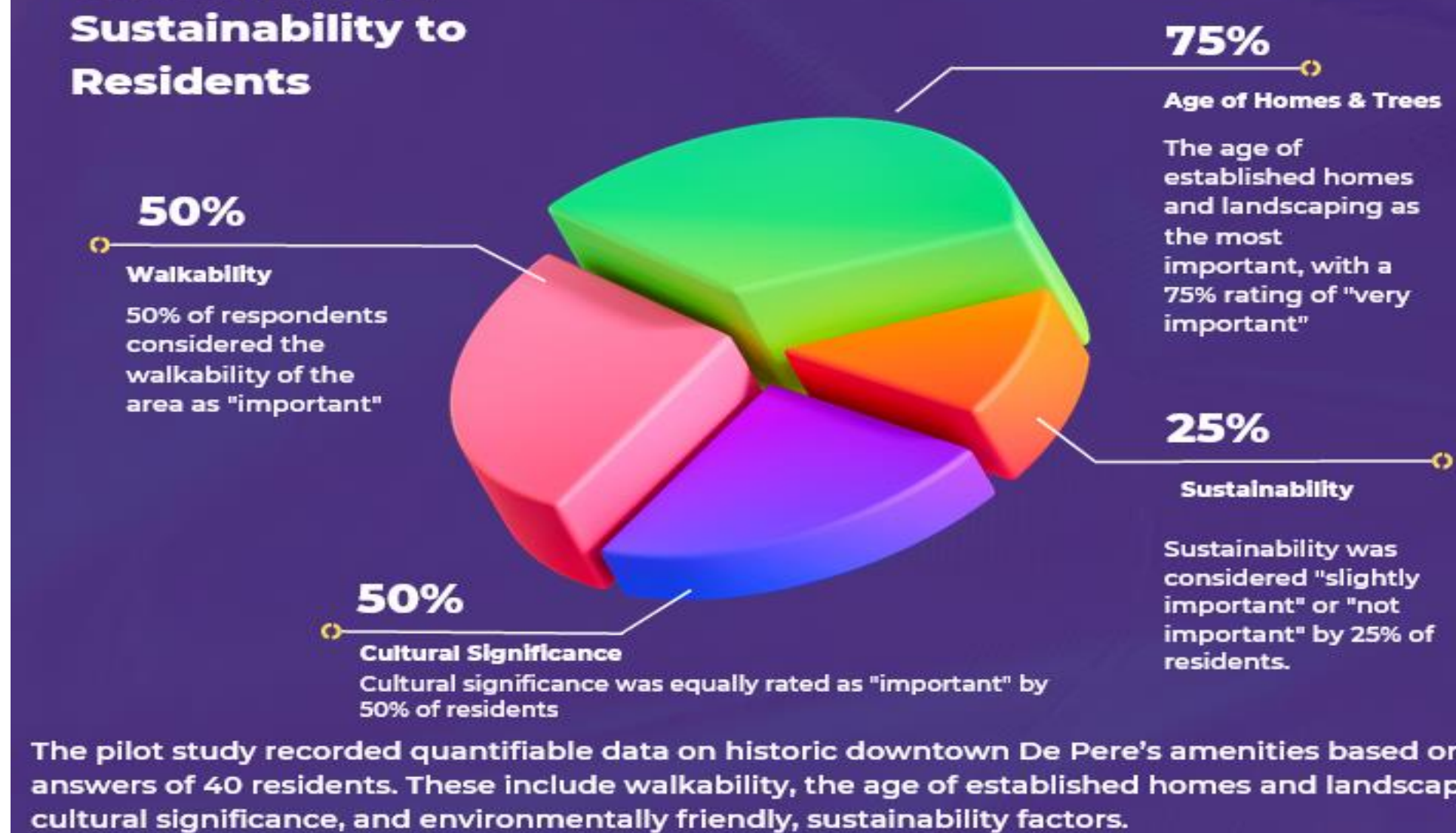


Figure 2. Graph of Importance of Heritage Conservation vs. Sustainability (n=40)

Discussion

- Sustainability is necessary for people-centered development, including self-sustaining social and economic structures
- City planning and green initiatives focus on creating human-centered environments with walkability, placemaking, community, and historic preservation

Application of Design

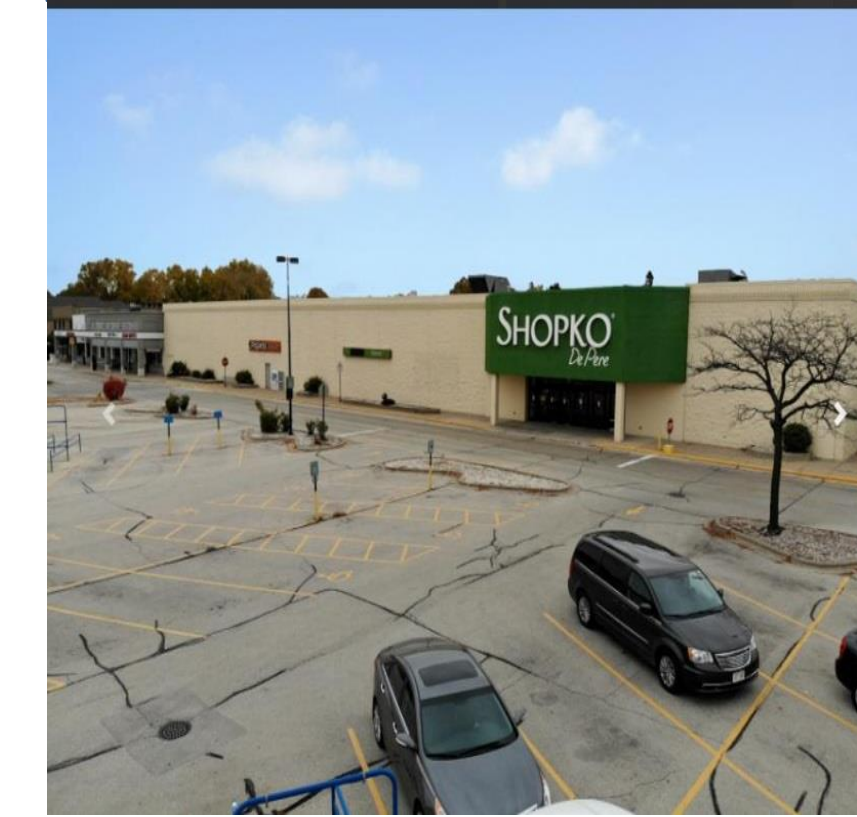


Figure 3. Site 1



Figure 4. Proposed Design.

Present Condition

Source: Author's own
Location: 480 N. Broadway St

Precedent Study

Source: Leslie, 2022
Location: El Camino Real, CA

- Easily identifiable yet not out-of-place with surroundings
- Mixed use
- Improved walkability
- Increased housing and retail
- Not out of place with the surroundings

Conclusions

- Heritage conservation and sustainability are positively linked.
- Residents value the age of established residences and landscaping over walkability, cultural relevance, and sustainability.
- Understanding the connection between cultural preservation and sustainability can help design more livable and sustainable cities for current and future generations.

Contact

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References

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