ABSTRACT

CREATIVE PROJECT: Urban Redevelopment for A High Population Density Residential Community: Transforming An Old Neighborhood in Zhongshanmen District of Tianjin, China

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This creative project applies learned strategies to solve some community issues of a rapidly developing country through an urban design concept based on local conditions. The concept addresses two urban features of China--air pollution and high population density--to explore strategies for redeveloping Zhongshanmen District, a typical old residential area, into livable “green” communities.

The project begins by using literature review and case study to identify best practice urban planning strategies. Three case studies provide different perspectives. South Waterfront EcoDistrict (Portland, Oregon) provides effective reference for using sustainable building materials, balancing residential and green areas, and reducing energy waste. Caoyang New Village (Shanghai, China) reviews a successful large-scale redevelopment project. Italian Style Area (Tianjin, China) reviews a problematic large-scale redevelopment with analysis of reasons for its failure.

This creative project paper concludes with recommendations to redevelop Zhongshanmen District through transportation, open space and sustainable development.