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Marshall Residential Development

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MARSHALL RESIDENTIAL DEVELOPMENT

SCOPE OF WORK | FALL 2022

Community

City Partner

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SC Partner

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Course Information

Name: IAD 251 RESIDENTIAL DESIGN+BATH

Credits: 3

Course Description:

Introduction and development of the design process through the exploration of abstract and realistic problem-solving applications. Design solutions are presented through the development of two- and three-dimensional presentation techniques.

Community-Identified Issue

HOUSING DEVELOPMENT

General Description:

There are multiple housing development projects that Marshall wants to solicit. Marshall would like to see more starter homes built or renovated within the area, and that could include a housing development on the east side of the community.

Project:

Develop single family starter homes within the area bounded by the corner of South 11th Street and Maple Street. The area is currently undeveloped and the City is proposing to annex the land for development. In addition, a public park is proposed adjacent to the development.

The design of the homes will follow the Craftsman style; this style is prevalent within the city and will enhance the surrounding area of building stock. The size will be approximately 1200 – 1300SF with two bedrooms, living area, dining, kitchen, and 1 ½ baths. It will be 1 ½ stories in height. The design of the lot will be focused on the house; design will not include a garage.

Community Objectives

The objective is to create single family homes within the \$100,000 price point to attract young, professional families to the Marshall community. It is also intended to create more/new housing stock for potential buyers in the area, especially families that are looking for modern amenities in a historic rural community.

Expected Course Deliverables

The IAD 251 Residential Design course will create and design interior floor plans for a 1 ½ story single family home that is 1200-1300 SF. Each student will create a design that includes a general layout of the house as well as proposed placement within the lot to be developed (lot is to be approximately 66' x 132'). Materials and finishes will be selected for interior rooms; however, this is more for presentation than for the actual interior finishes. While the City has requested no garages, the students will propose placement of either a garage or carport. Projects will be presented by the students with the use of presentation boards and accompanying digital presentation (i.e.: PowerPoint). The students will give the City a copy of the digital presentation as well as a final bound report (with images of their plans, material selections, etc.).

Learning Outcomes

Student learning outcomes include:

- Collaboration with a professional
- Conducting site visits; noting housing styles within Marshall as well as site context for the development site
- House design; includes building codes, lighting, space planning, research on house styles
- Material and finishes selection
- Presentation practices; written and verbal communication in conjunction with different communication mediums (presentation boards, digital media, and bound report)

Responsibilities

Community

The city partner is expected:

- To be in communication with faculty; be available through email or phone to answer questions pertaining to the project
- Collaborate in scheduling site visit(s)
- Prepare information related to project; maps, layout of lots, etc. that will assist with the project
- City partner (or a rep familiar with the project) to be present during site visit(s) to answer questions and to further explain the project to the students (if needed); approximate date of first site visit September 12* (this can be confirmed once semester begins)
- Visit class to see design process and review working plans; approximately week of October 10*
- Attend final presentations of the project; approximately week of November 7*

*Please note these dates/weeks are approximate. Due to the nature of the classroom and student's progress, these are subject to change.

Faculty

Faculty is expected:

- Liaison between students and city partner
- Coordinate scheduling site visit(s) with city partner; this includes site visit(s) to Marshall and class visit(s)
- Coordinate travel with SC for site visit(s) to Marshall
- Create project guidelines with deliverables following parameters of project and community partner needs
- Work with students to create designs that meet the deliverables of the project including presentation materials (boards, digital presentation, and final bound report)

SC

1. Facilitate fulfillment of the scope of work via periodic check-ins and engaging partners in discussion about progress and collaboration. Can help by facilitating meetings, providing operations coordination, and any other needs.
2. Assist faculty and community in locating any needed data, information, metrics, historical details, other contacts, and more that is relevant to the project and providing the expected course deliverables.
3. Arrange logistics for site visits to the city partner, in guidance with the experiential guidelines.
4. Provide any presentations about the ISU Sustainable Cities program to classes or other organizations when necessary.
5. Attend all presentations of end deliverables and any other events necessary to document, promote, and support students' efforts in the community.
6. Conduct assessments of partners' and participants' experiences during the entire program.
7. Request, collect, and compile information for final SC reports in the ISU Sustainable Cities Report Repository.

Resources

Transportation – Courses will have the opportunity to visit the community at least once with financial support of SC if it is beneficial for the integrated project. A transportation request must be filled out and submitted to the SC staff.

Center for Community Engagement – The Center for Community Engagement can provide further support and assistance in integrating these projects and troubleshooting any pedagogical issues.

Faculty Center for Teaching Excellence – FCTE can provide any additional brainstorming and troubleshooting with lecturing and matching course materials to project integration.