



Title: Madison County Equestrian Facility Renovation

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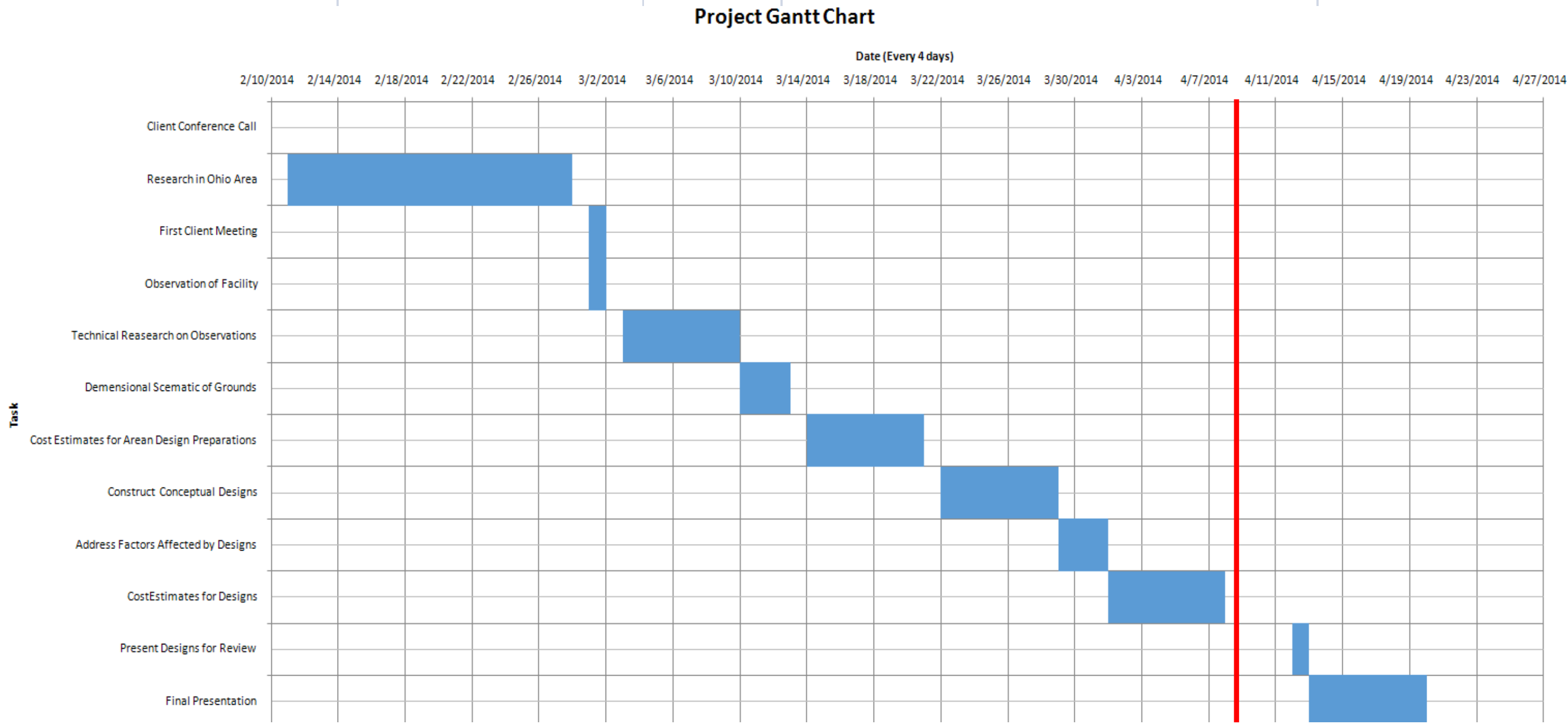
Background

This project is a continuation of a previous project that took place last semester. The previous team was challenged with developing the project scope. They attempted to provide an improvement plan for the Equine Facilities of Madison County Fairgrounds including: recommended upgrades concerning equine arenas, stables, guest seating, and wash stations. This plan was presented to the Fair Board and they have now requested more detailed information regarding the much needed arena renovations.

- 1846 the Clark and Madison County Agricultural Society was organized.
- On April 14, 1890 the new location was purchased.
- 12,000 attending

Approach

Date	Duration	Task
February 10th 2014	1 hour	Client Conference Call
February 11nd - 28th 2014	1 week	Research in Ohio Area
March 1st 2014	1 day	First Client Meeting
March 1st 2014	1 day	Observation of Facility
March 3rd - 9th 2014	1 week	Technical Reasearch on Observations
March 10th - 13th 2014	3 days	Dimensional Schematic of Grounds
March 14th - 21st 2014	1 week	Cost Estimates for Areen Design Preparations
March 22nd - 29th 2014	1 week	Construct Conceptual Designs
March 29th - 31st 2014	3 days	Address Factors Affected by Designs
April 1st - 6th 2014	1 week	CostEstimates for Designs
April 12th 2014	1 day	Present Designs for Review
April 13th - 26 2014	1 week	Final Presentation



•For the duration of this project the team will follow the Deming or the *Plan, Do, Check, Act* Cycle. This section will provided the guidelines to each major step in the project to be complete. Each step will be broken into phases and will include research, design concepts, as well as a detailed explanation of each phase.

- Phase I – Research current Equine facilities in Ohio area
- Phase II – Observations and Analysis of Madison County Equine Facility
- Phase III – Technical Research for Documented Information
- Phase IV – Dimensional Schematic of Grounds
- Phase V – Cost Estimates for Arena Design Preparation
- Phase VI – Construct Conceptual Designs
- Phase VII- Address Factors Affected by Conceptual Designs
- Phase VIII – Cost Estimates for Conceptual Designs
- Phase IX – Present Conceptual Designs for Review
- Phase X – Present Final Designs and Project

Deliverables

Administrative Deliverables

•The following section includes the administrative deliverables required for the Madison County Fairgrounds Project.

- Team Contract
- Status Updates
- Time Schedule
- Proposal
- Final Report
- Final Presentation

Engineering Deliverables

•The following section is the engineering deliverables required for the Madison County Fairgrounds Project.

- Research and Analysis
- Information Regarding Drainage
- Three Alternative Layouts
- Detailed Drawings
- List of Potential Changes to the Facility Due to Arena Placement
- One Optimal Final Conceptual Layout
- Cost Estimates

Results/Conclusion

- Defined scope
- Have a contact for footing estimation
- Decided what type of footing and fencing to be used
- Established that drainage issue will be resolved in refooting of the arena
- Verified all distances and created an accurate aerial
 - Drew is desired dimensions
- Downloaded global positioning information from Madison County’s website
 - Aerial to scale according to the coordinate system NAD83 Ohio State Planes, South Zone, US Foot
 - Building file that shows size and position of every structure

