

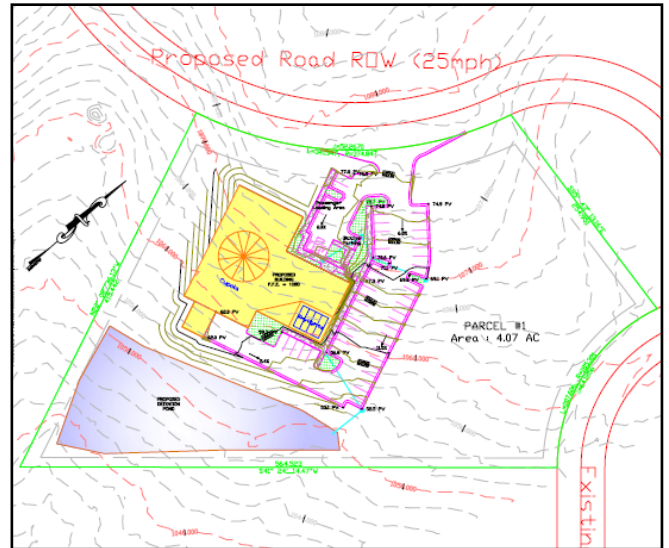
## CEE 3274

### Introduction to Land Development Design

**Course Summary:** During its initial offering as a one credit seminar in the spring 2008 semester, Introduction to Land Development featured numerous guest lectures from land development professionals. Introduction to Land Development Design will be offered as a full three credit course beginning in the fall 2009 semester. This three credit offering is intended to introduce CEE students to a wide range of topics in the field of land development design. These topics include governmental roles and basic engineering principles underlying the land development design process. Additionally, the course will cover a diversity of non-engineering topics including planning, landscapes, neighborhood dynamics, finance, and sustainability. Current trends in development will be discussed to address the evolutionary nature of the industry.

#### Course Objectives:

1. Discuss the common physical, political, environmental, and economic factors that drive land development.
2. Identify and apply local, state, and federal regulations that steer the land development process.
3. Identify issues of sustainability as they relate to land development.
4. Prepare a feasibility study for a land development project.
5. Perform basic engineering calculations related to the layout of utilities.
6. Interpret and construct topographic maps, grading plans, roadway alignments, and profiles.
7. Apply the basic concepts of hydrology and the Rational Method.



A land development plan prepared using Autodesk Civil 3D software – an advanced software design aid to be used in the course



Numerous professionals will visit class to give students a "front line" perspective on the land development design industry