LDEV 661 – Development and Environment *(Site Analysis)*

This course builds on the prerequisite LDEV 687 (Due Diligence) and focuses on the theory, techniques, and strategies required to interpret existing site conditions, create a master plan, obtain development approvals, and construct public infrastructure. Class lectures overview the entire process of site analysis, design, and infrastructure development. These include the construction of utilities, stormwater and sewer systems, roads, parks, and public amenities The instructors provide real-world examples and case studies regarding these concepts.

Learning Objectives:

* Analyze and evaluate a site’s suitability for development using a context-sensitive approach.
* Conduct a development project program, including site inventory and analysis.
* Perform preliminary design work for a development parcel.
* Interpret construction documents and engineering plats related to infrastructure development.
* Obtain entitlements, including zoning and development approvals from regulatory authorities.
* Analyze facilities agreements, exactions, and cost-sharing arrangements for developments.
* Understand and evaluate soil characteristics, slope analysis, grading, and earthwork for site development.
* Interpret construction plans for wastewater, stormwater, potable water, streets, and related infrastructure.
* Assess and design franchise utility systems for real estate developments.
* Present and evaluate final development projects, applying knowledge of infrastructure construction and regulatory approval processes.

Attached is a topographic map analysis I prepared.

Photo source: <https://mungfali.com/explore.php?q=site+analysis>