

FACULTY OF ENGINEERING

Department of Civil Engineering



## Introduction

Conservative and Low Impact Development (LID) aims to preserve the natural environment by using its natural features to collect and infiltrate water, promote groundwater recharge and prevent excess runoff and flash floods caused by urban development/impermeable surfaces.

## **Project Scope**

The Seven Lakes community relies solely on groundwater withdrawn from on-site wells and features several lakes, streams, and protected wetlands. A water resource management plan consisting of proposing and evaluating LID techniques was developed to ensure the water supply is adequate over the lifespan of the development and prevent urban contaminants from polluting the natural green spaces.

## **Seven Lakes Community**



Retrieved from Google Maps



## **Design Process**



## GROUP 17

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# LOW IMPACT DEVELOPMENT AT SEVEN LAKES – PHASE 2



Rain Garden Technical Standard 1009.

