Overview: Sprinkler Testing
Overview: Data Modeling

Collector Cup Grid Layout

Sprinkler Location
Project Overview

- IDUA is a tool to assist engineers with finding the most efficient arrangement of sprinklers to ensure uniform irrigation.
- Retrieves sprinkler test data stored in a MS Access database and performs transformations and calculations.
- Represents findings in a visual graph known as densogram.
Project Overview, cont.

- Multiple modes: Automatic and manual
- Automatic mode allows for a single sprinkler type to be placed in preset arrangements
- Manual allows for multiple types of sprinklers to be placed as desired
Architecture Illustrated

Team 7. Toro
Program Demo

Team 7: Toro