Concepts For Designing
With CAD-
From concept to construction

Image provided by EDSA
Project created using Land F/X
Jake Lott

- Irrigation and Planting Specialist
- Content
- Training

support@landfx.com
Outline

1. Understanding your site
2. Understanding Client goals and equipment/material requirements
3. Project and Preference Set setup
4. Concept/Schematic tools
5. Adding equipment/materials
6. Placing equipment/materials
   a. Verifications
   b. Revisions
   c. Details
   d. Scheduling and Reports
Concepts for CAD

Irrigation and Planting Design
Benefits of CAD-Based design software

- **Irrigation**
  - sizing mainline
  - making changes to the design
  - running schedules
  - error checking
  - replacing equipment.

- **Planting**
  - Creating palette templates
  - tools that allow the user to focus on design
  - running schedules
  - error checking
  - revisions
Site Analysis
Understanding your site and requirements
Site Analysis - Things to think about

● Restrictions?
  ○ As you set up your project, start picking the right equipment and material.
  ○ At an early stage, using schematic and concept tools will allow you to quickly test multiple options with minimal effort.

● Site size
  ○ What material and equipment is going to work in the different spaces?

● Topography
  ○ Using additional tools to account for things like slope and pressure loss/gain in the zone.

● Future expansion, revisions, and use
  ○ How do you properly account for future phases, new zones, existing zones and revisions, etc?
Project Setup
Making sure you set up things on the front end to save you time on the back end.

- What are you plotting your plan at? (size and scale)
- What symbols are you going to use?
- For irrigation...The important 3-(POC size, Flow, Pressure)
- Using the Concept tools to your advantage
- Use the Manufacturer database as an opportunity to explore new equipment.
Thanks!

Any questions?

You can find me at:
support@landfx.com