TEAM 06: THE CALVIN DRAIN TRUST
PRESENTATION OVERVIEW

- Team Members
- Project Overview
- Project Update
- Obstacles
- Design Norms
- Status
TEAM MEMBERS

Kat Wevar  Aaron Venema  Mike DeWeerd  Matt Schanck
PROJECT OVERVIEW

• Reduce Runoff
• Convert runoff into irrigation
• CFAC, Commuter Lot, KE
PROJECT UPDATE

• Released Master Plan
• Calculated Runoff Values for Each Section
CFAC

• For 2-year 24-hour storm: ~$1,000,000$ gallons
• Creating Bioswales
  • Meandering
• Cleaning the Pond
COMMUTER LOT

• For 2-year 24-hour storm: ~410,000 gallons
• Parking Lot Islands
• Stormtech Chambers
• Bioswale at End of Lot
KNOLLCREST EAST APARTMENTS

• For 2-year 24-hour storm: ~310,000 gallons
• Irrigation Reuse
• Storage Options
OBSTACLES OVERCOME

• Getting Correct Runoff Volumes
• SWMM Model
OBSTACLES TO OVERCOME

• Designing and Sizing Storage Systems
• Integration with Master Plan
• Costs
IMPORTANT DESIGN NORMS

• Stewardship
• Master Plan
• Transparency
• Caring
CURRENT STATUS

• Submit Design
• Optimize for Costs

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QUESTIONS?