CONCRETE TO CREEK

OAK SPRING CHANNEL RESTORATION
Boggy Creek Watershed
Austin, TX

THE PROJECT SPONSOR’S PERSPECTIVE
A WETLAND AND STREAM RESTORATION IN URBAN AUSTIN

STARYN WAGNER
Who are we and what are we doing?

- Surface Water Team, City of Austin’s Watershed Protection Department
- Water Quality Monitoring
- Special Studies
- Riparian Restoration
- Grow Zones
- Ready Set Plant
- Watershed Scale Hydrologic Restoration
Site Selection

NO RIPARIAN INTERACTION
Site Selection

WITHIN A DETENTION POND
FLOODPLAIN NOT AFFECTED
DESIGN CONCEPTS

- Concrete Removal
- Stream Sinuosity
- Large Woody Debris
- Heavily Vegetated
- Channel Substrate
Stakeholders

FLOOD DEPARTMENT
MAINTENANCE CREWS
SOCCER CLUB
NEIGHBORHOOD
DESIGN DETAILS

DETENTION CAPACITY
TRASH COLLECTION
MOWING
DESIGN DETAILS

LARGE WOODY DEBRIS

SUBSTRATE

ADDED BERMS
DESIGN REALIZED
BIDDING AND CONTRACTS

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- MULTIPLE CONTRACTS
- BID-BEST VALUE CONTRACT
- LOWEST RESPONSIBLE BIDDER
CONTRACTORS

ONE FOR EARTHWORK

ONE FOR RESTORATION

HOW DO YOU TRANSITION?
PRODUCT #1

COMPLETED IN LESS THAN A MONTH
PRODUCT #1 INEVITABLES

3 MAJOR RAINS IN TWO WEEKS
PRODUCT #1 FAILURES