Project Goals

• Transform the flood-prone, contaminated site into a town square that integrates wetland-based stormwater treatment landscapes and practices

• Create a community driven public space that is aesthetically pleasing, responsible, and equitable

• Serve as a unique demonstration of how an urban setting can function in an environmentally responsible way

• Educate the public through signage, videos, and informational press and social media releases
Markham Square Timeline and History

Conway Scrap Yard 1917-2014
EPA/ADEQ Brownfields Program 2014-2016
Natural Resources 319 Grant 2019
Markham Square Construction 2021-2022

Metroplan Jump Start Grant 2013
National Endowment for the Arts 2017
ADEQ Cleanup Certification June 2021
Opening and Ribbon Cutting July 2022
Lake Conway Point Remove HUC #11110203

Little-Palarm Creek Subwatershed HUC #111102030403
Impaired Stone Dam Creek segment
Flooding in Conway
Project Tasks

- Financial Reviews
- Engineering and Design
- LID/GI Infrastructure Implementation
- Public Outreach and Education
- Reporting
Engineering and Design
WQ Elements

Soft Engineering for Healthier Ecosystems

- Permeable Paving
- Infiltration Basin
- Rain Gardens
- Bioswales
- Vegetated Walls
Permeable Paving

Small openings in joints or material makeup that allows water to pass through hardscapes and infiltrate the ground.

Removes sediment and traps pollution along the way.
Infiltration Basin

Large, shallow areas with permeable soils that temporarily detain and infiltrate stormwater runoff
Rain Gardens

Vegetated depression designed to treat water as it passes through roots and soil during infiltration into the ground
Bioswales

Planted depression designed to treat water through phytoremediation as it is conveyed downstream
Vegetated Walls

Utilizes vertical water harvesting to treat water and reduce stormwater runoff loads
Public Outreach and Education

• Feb 2020 In-person pre-design meeting
• June 2020 Virtual meeting on preliminary design and feedback
• Later 2020 Final design presented
• June 2021 Virtual meeting with LCPRWA
• June 2021 Groundbreaking
• Educational Videos Developed and Posted
• Informational Signage (4 Signs)
• July 2022 Ribbon Cutting Ceremony
Challenges and Lessons Learned

WEATHER

WORK COORDINATION

PRODUCTS AND MATERIALS

LOCATION

FUTURE MAINTENANCE
Project Benefits

- Stormwater Treatment and Increased Water Quality
- Flooding Reduction
- Educational Demonstration
- Honoring Community and Historical Leaders
- Environmental Justice and Equity
- Art Integration
- Economic Competitiveness
- Improved Community Quality of Life
Partnerships