



Edwards Aquifer Protection Program Water Quality Initiatives

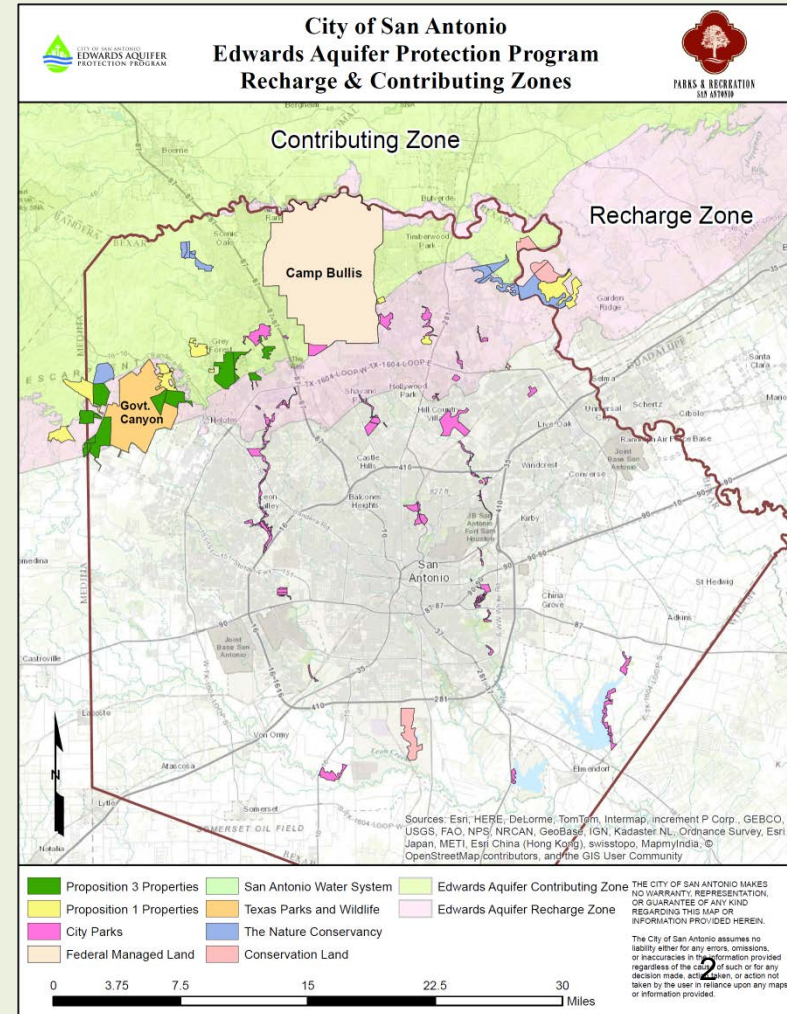


PARKS & RECREATION
SAN ANTONIO

City Council
September 13, 2018
Parks and Recreation Department

Background

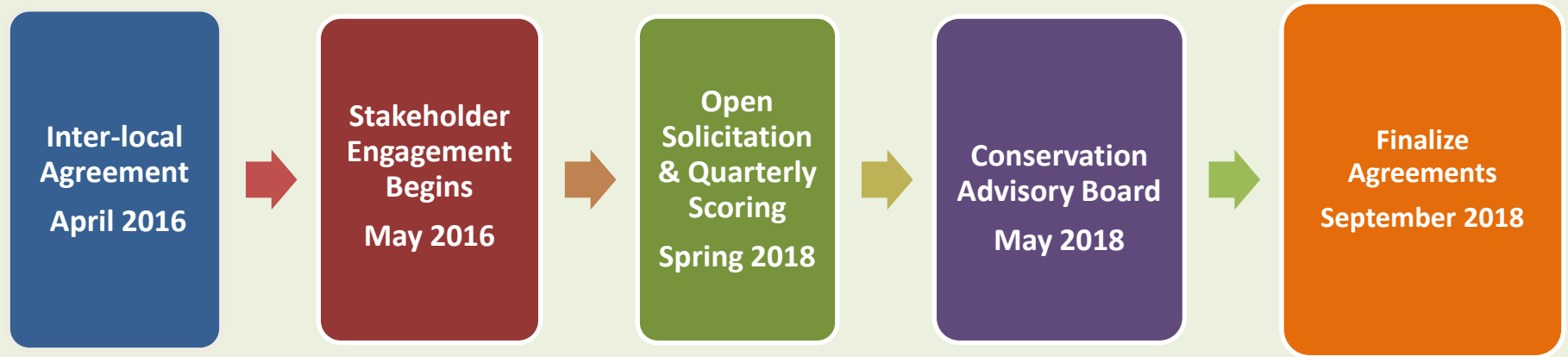
- May 2015 – Voters renew Proposition 1 sales tax for aquifer protection
- \$10 million dedicated for water quality projects specifically in urbanized areas of Bexar County over the aquifer Recharge or Contributing Zones



Qualifying Projects

- Must be over the Recharge and Contributing zones in Bexar County
- Seek to improve water quality in areas that do not meet or exceed current TCEQ standards
- Accommodate pre- and post- project implementation assessment

Background



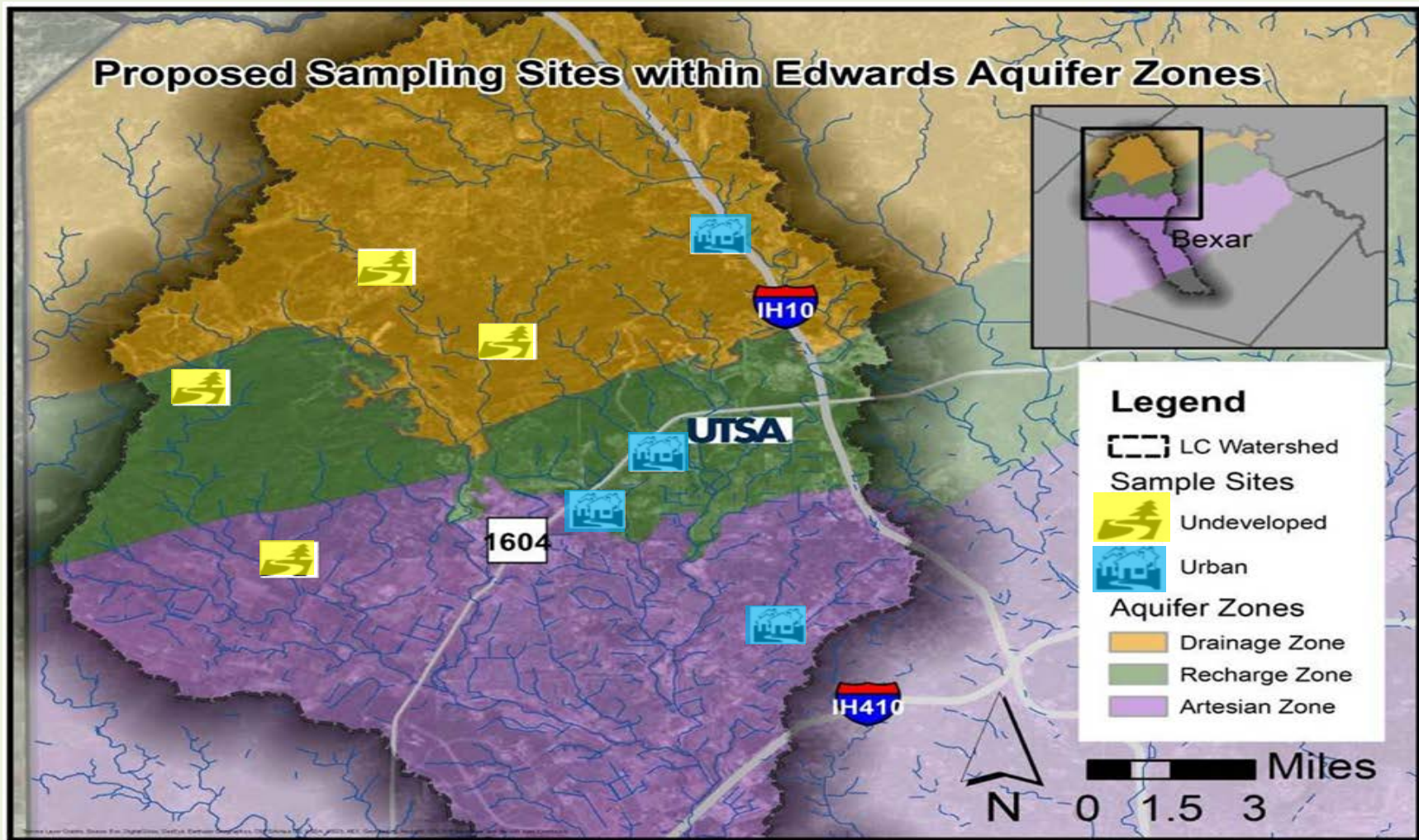
Project Selection

Project: New Construction / Retrofit / Research	Funding Request
University of Texas at San Antonio: Water Quality in the Leon Creek Watershed Recharge Zone as a Function of Urban Development, and Community Education of the Threats and Conservation of the Edwards Aquifer	\$2,671,236

Summary of Deliverables

- ***Water quality as a function of land cover.*** Water quality data; data interpretation; summary; recommendations
- ***Efficacy of low impact developments on water quality.*** Water quality data; data interpretation; summary; recommendation
- ***Community Outreach/Living Laboratory.*** Outdoor educational facility; presentation of water and Edwards Aquifer curriculum by UTSA students to K – 12 students.

Proposed Sampling Sites within Edwards Aquifer Zones

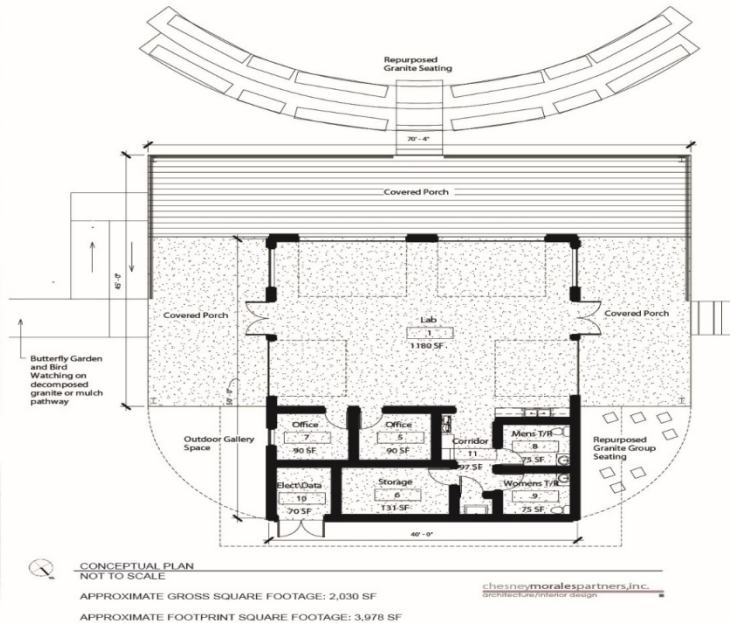
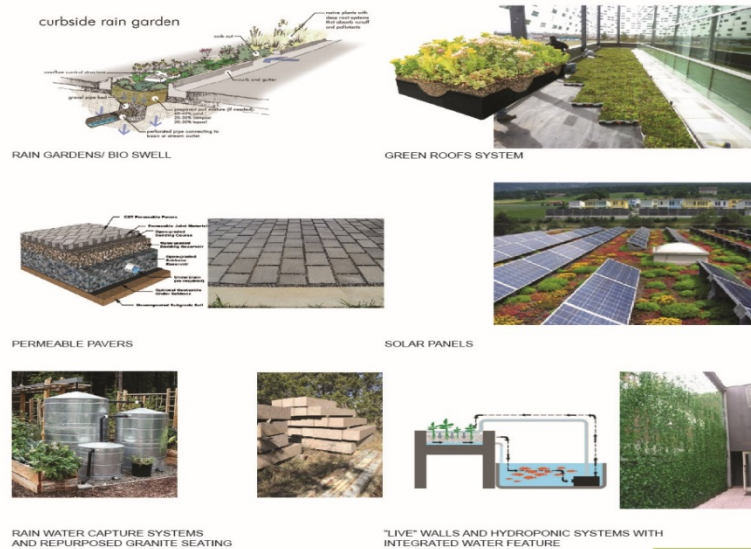


Proposed Edwards Aquifer Recharge Living Laboratory



Proposed Edwards Aquifer Recharge Living Laboratory

LOW IMPACT DEVELOPMENT (LID) OPTIONS



UTSA LIVING LABORATORY PAVILION

12/14/17



Recommendation

- **Staff recommends approval**