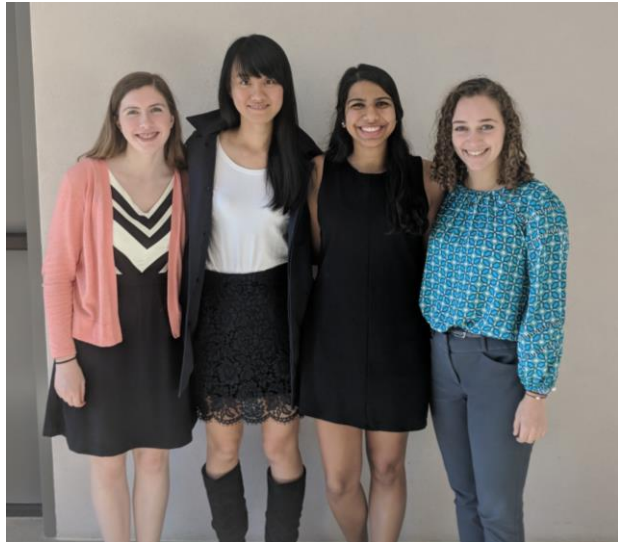




HOUSTON ACTION RESEARCH TEAM



MEMORIAL PARK
CONSERVANCY



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Memorial Park Conservancy, Digital Mapping – Fall 2017

This HART, comprised of undergraduate students majoring in Mathematical Economic Analysis, Policy Studies, Civil and Environmental Engineering, Architecture, Computational and Applied Mathematics, and Political Science, analyzed one-hundred years of historical data to create a master GIS based digital map. To accomplish this task, the team conducted archival research, investigated preexisting maps, and did a series of interviews. The team mapped their best estimate of the current state of infrastructure for water, sanitary sewer, storm sewer, historical, fiber optic cable, pipeline, surface drainage features, and included some data on park amenities as a proof of concept.

The team delivered a comprehensive 24-layer map for Memorial Park Conservancy to use in its execution of its 2015 Master Plan. While this map contains the team's best estimates

for the location of infrastructure in the park, there are still some inconsistencies and unexplained data gaps. To ameliorate these issues, the team recommended more technical ground verification of water, sewer, and electrical lines, conducting more interviews of stakeholders, and expanding the map to include ecological data.

