"Over the last 6 decades, Texas has the most flooded facilities across the county. The extreme and frequent rainfall events have made Manchester, Houston, TX, as one of the most flood-vulnerable neighborhoods in Texas. Moreover, the neighborhood has been threatened by industrial pollution and poor drainage by having 21 Toxic Release Inventory facilities within 1-mile radius and 16% underutilized land. A local group, Texas Environmental Justice Advocacy Services (t.e.j.a.s.), provides neighborhood “Toxic Tours” to illustrate poor environmental conditions. Regarding these issues, we adopted a participatory approach, including local community groups t.e.j.a.s., Charity Productions, and the local Furr High School’s “Green Ambassadors” developed green infrastructure and open space plans assisted by community input through a series of public engagement sessions. Engagement process outcomes include repurposing of existing underutilized parcels as green infrastructure to increase neighborhood open space by nearly seven times, 20% increase in perviousness, and filtrating 20 million gallons of water more annually."