

BELAIR-EDISON NEIGHBORHOODS, INC.

Belair Edison Neighborhoods Green Streets Planning and Design

Baltimore City, Maryland



top: Photosimulation of stormwater tree pits and a rain garden on Belair Road with inset of initial conditions; bottom: Concept drawing of a green alley with permeable paving and new plantings behind Belair Edison Family Health Center with inset of initial conditions

A community-driven green infrastructure master plan and select “green street” retrofit opportunities for this close-knit neighborhood in Baltimore City will lead to new green space amenities that also manage stormwater.

Biohabitats worked with Belair Edison Community leaders and the City of Baltimore to develop goals associated with “green streets.” Green streets projects are stormwater management practices that are designed to be integrated into the urban streetscape.

Biohabitats helped to identify 16 candidate project sites for green street designs that could include streetscape bioretention areas, green gutter designs, tree plantings, pavement removal, tree pits, stormwater planters, permeable pavement, and pedestrian friendly features. Biohabitats also participated in two neighborhood design charrettes

where community members were able to learn more about the project and provide input on potential sites for green streets. After the charrettes, Biohabitats helped develop concepts for several candidate sites, creating photo-realistic renderings for each site and a master plan of green infrastructure opportunities throughout the neighborhood.

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