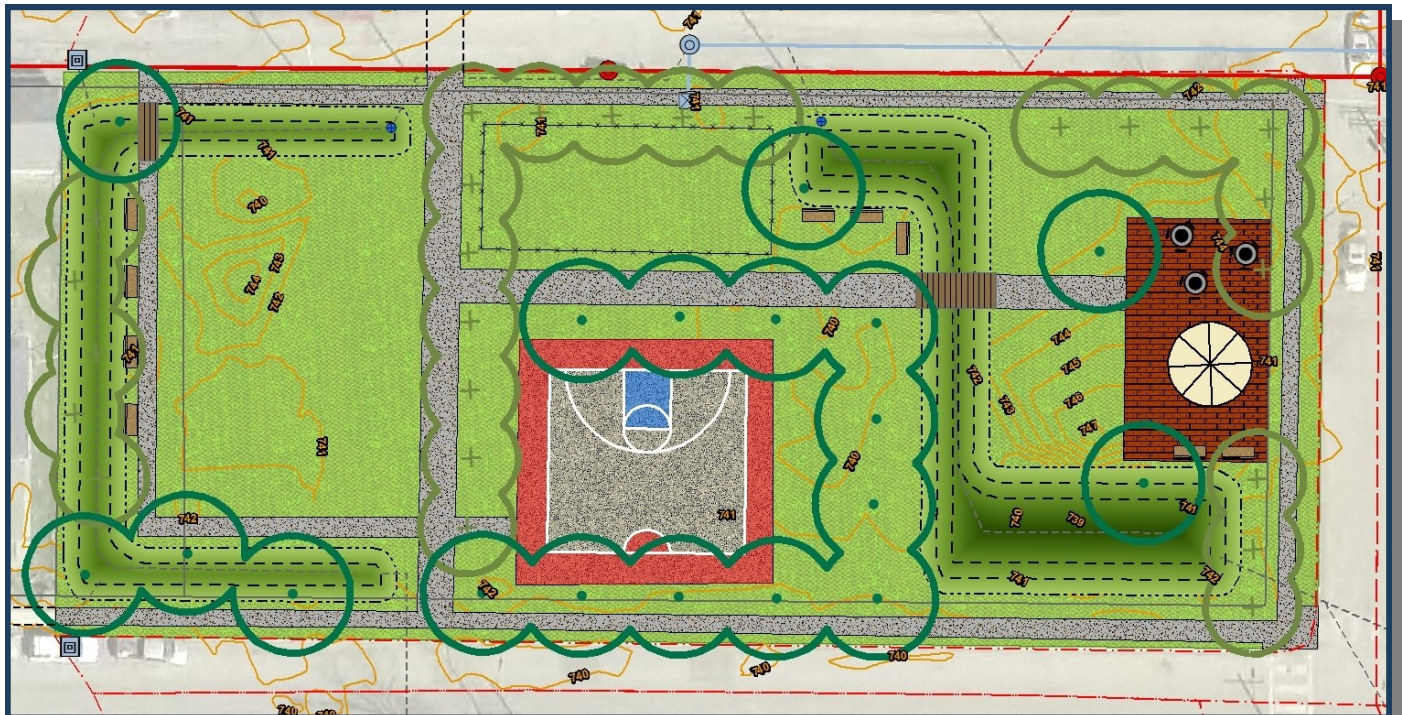


Coldwater is providing planning and design services to AECOM, Inc. for this City of Columbus Blueprint pilot project. Two neighborhoods, Southern Orchards and Reeb Hosack within the Barthman Parsons area are being evaluated for the use of green infrastructure to reduce stormwater runoff and CSO/SSO overflows. Project objectives include repurposing vacant and tax delinquent land bank parcels as the green infrastructure sites, providing community amenities such as open space and recreation, and providing bioretention systems that are designed to meet the typical year storm event.

Coldwater's tasks include assisting AECOM with the green infrastructure components of field assessment, concept renderings, surface water modeling, cost estimating, detailed design, and permitting. Field assessment included noting the parcels potential reuse for green infrastructure which entailed determining site slopes, tree lawn widths, sidewalk and curb condition, existing vegetation, and potential locations for bioretention. Concept renderings were produced for several scenarios on each potential site including rain gardens, bioswales, planter boxes, and porous basketball courts. Runoff volumes were calculated for the 0.5 inch to 2.5 inch storm events as well as the water quality volume (0.75 inches) and the typical year (1.89 inches). Planning level cost estimates were prepared for the concepts. Coldwater is currently working with AECOM on taking priority sites into preliminary design.



*Conceptual rendering of green infrastructure improvements on a vacant parcel in the Barthman/Parsons Integrated Solution project area.*