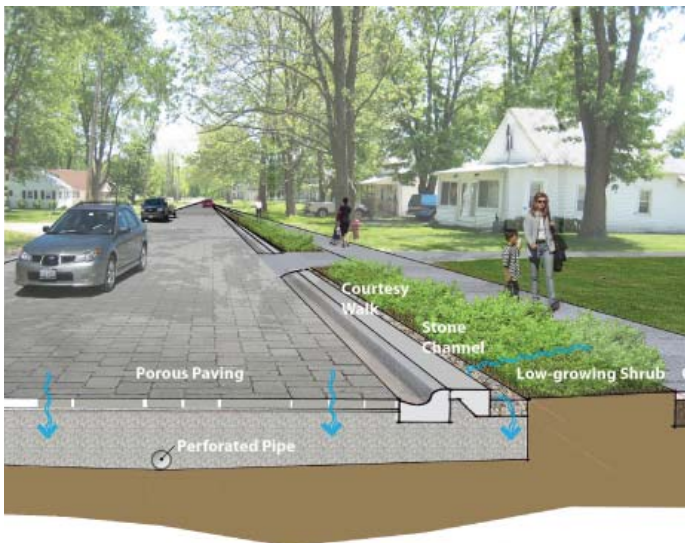


carbon cliff stormwater management vision

carbon cliff, illinois



Proposed right-of-way conditions with perennials



Proposed right-of-way conditions with shrubs

The Village of Carbon Cliff is located east of the Mississippi River, west of the Rock River, and upstream of their confluence. The Village drains via an unnamed tributary of the Rock River and is currently served by a system of swales, culverts, and separate storm sewers that discharge runoff directly to the tributary with no controls to capture pollutants.

CDF was hired to develop conceptual designs that incorporate stormwater BMPs and Low Impact Development technologies to address urban runoff from the historic portions of the Village. The recommended plan is to replace the existing asphalt roadways with permeable interlocking concrete pavement. A vegetated filter strip and stone infiltration channel are proposed in the parkway that will address runoff from the sidewalks, driveways, roofs, and front yards, as well as any overflow from the new roads. The recommended system avoids the need for installation of storm sewers, provides drainage to address sump pump discharges, and replaces crumbling roads with a durable, long lasting, and aesthetically pleasing brick street.

CDF prepared a EPA 319 grant application to assist in funding the permeable street system.

client: Village of Carbon Cliff, Illinois
project team: Conservation Design Forum
completion: 2009