



## CROWD For A Sustainable Future

CROWD works with New York State (NYS) communities to promote sustainability and resilience of the built environment through measures that include thoughtful deconstruction that recognizes the environmental, cultural and economic value of salvage and reuse of building materials and architectural elements.



### Members of CROWD

CROWD members include organizations and individuals with expertise in architecture, planning, preservation, salvage and reuse.

Cortland Reuse

Circular Construction Lab,  
Cornell University

Finger Lakes Reuse Inc.

Historic Ithaca

Just Places Lab, Cornell University

Preservation Association of Central  
New York

Susan Christopherson Community  
Planning Center

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## Circularity, Reuse and Zero Waste Development

**600 mm tons**  
of construction and demolition debris (CDD) was generated in the US in 2018.

**90% is from demolition,**  
10% is from new construction.

**CDD is 2x more**  
than consumer garbage.

**40% of landfills** is construction and demolition debris.



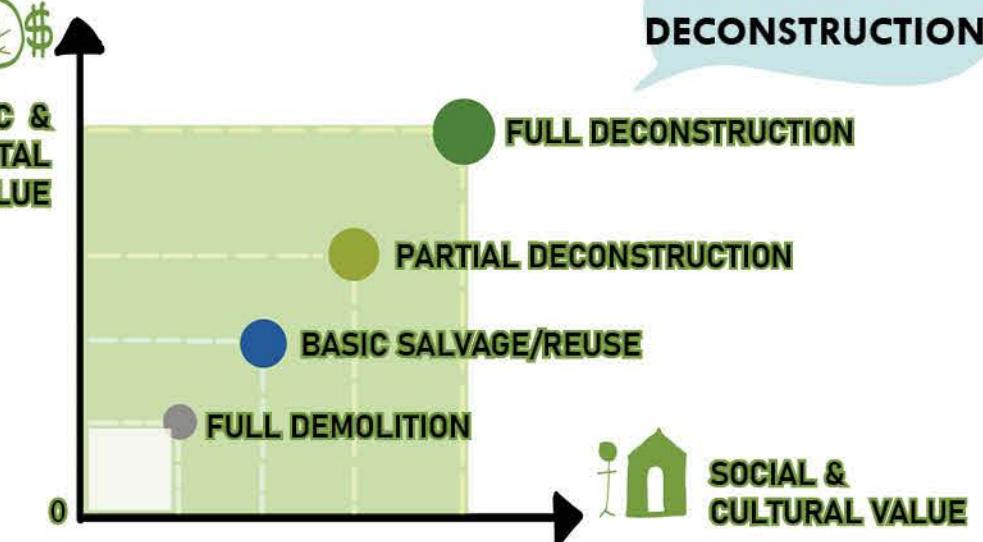
## Circularity, Reuse and Zero Waste Development



**ECONOMIC & ENVIRONMENTAL VALUE**



**FROM DEMOLITION TO DECONSTRUCTION**



### VOCABULARY

#### CIRCULARITY

Keeping building products and materials in use through reuse and recycling, which recognizes their environmental, cultural and economic value while creating societal benefit.

#### REUSE

The salvaging and sorting of architectural or building components that can be used in their original form. More broadly, reuse can mean prolonging the lifespan of existing building stock through deconstruction and material reuse.

#### ZERO WASTE DEVELOPMENT

The elimination of 90 percent of waste generated to land, water or air that may be a threat to human, animal or plant health.

#### CONSTRUCTION & DEMOLITION DEBRIS (CDD)

Building waste generated during the construction, renovation, and demolition of buildings, roads, and bridges. C&D materials often contain materials, such as concrete, wood, metals, glass, and brick.

#### DECONSTRUCTION

The careful and systematic dismantling of a building structure to maximize the recovery of valuable building materials, architectural components for reuse, resale and recycling.

#### SALVAGE

The systematic removal of architectural or building components or materials for the purpose of reuse as an end use. Materials include architectural elements like doors, windows, fixtures, building materials such as wood and brick, and structural systems such as air conditioning and plumbing.

### WHAT CAN YOUR MUNICIPALITY DO?

Maximum recovery of materials, and maximum building waste diverted from landfills...

**STEP 1 Enact demolition delays:**  
Allow time for basic salvage

**STEP 2 Track and share demolition data:** Analyze effective interventions.

**STEP 3 Require deconstruction and salvage:** For certain building categories.

**STEP 4 Incentivize recycle/reuse:**  
To improve CDD management