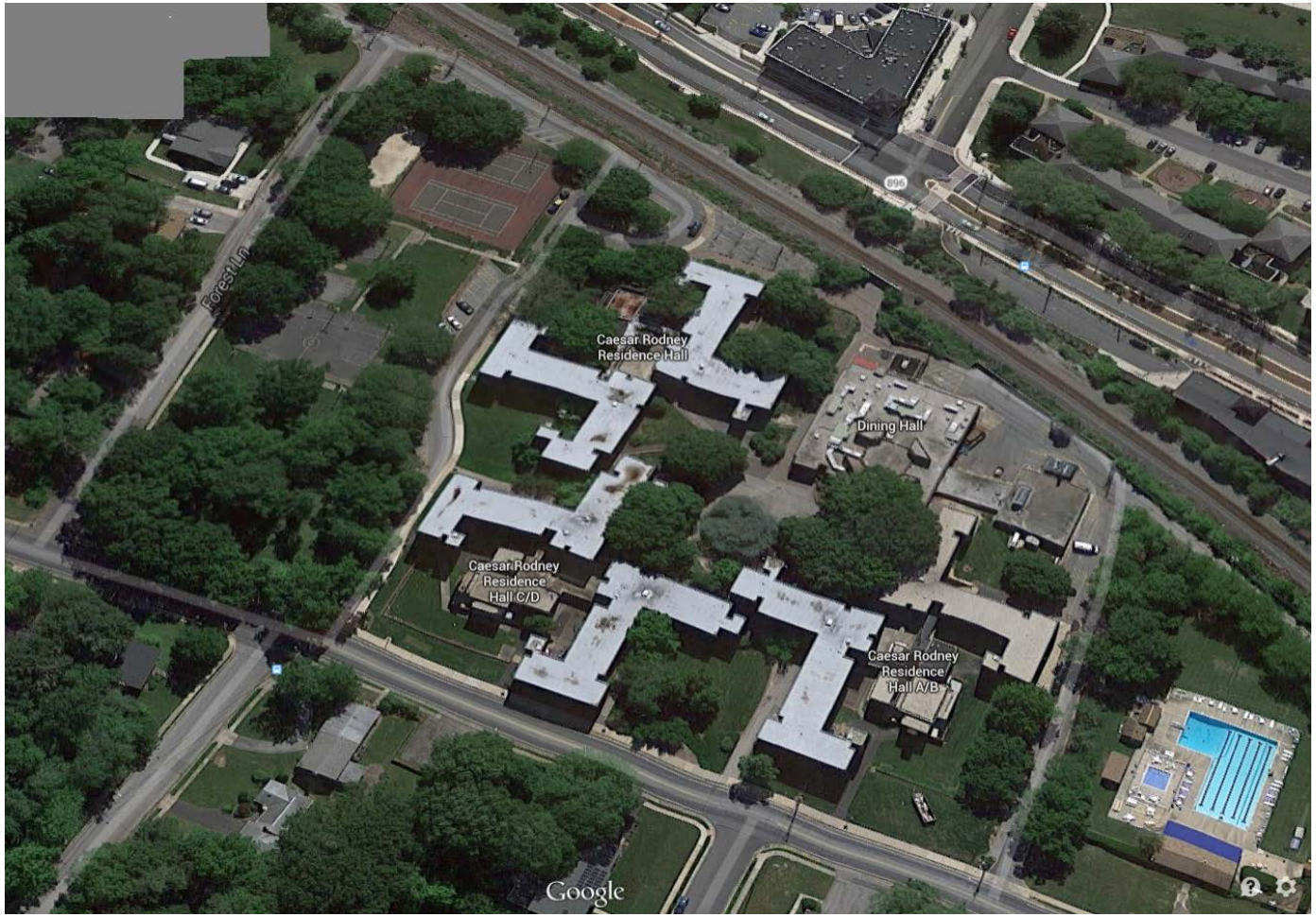
Rodney Complex
Potential Stormwater Improvements and Public Uses



Why is the City of Newark Interested in this site?

Preliminary Stormwater Management Numbers Involved

- Drainage Area flowing to Pipe Crossing at RR Tracks: Approximately 68 Acres
  - Estimated Peak Runoff 100 Year Event: Approximately 325 Cubic Feet Per Second
  - Potential Detention during 100 Year Event: Approximately 300 Cubic Feet Per Second (Approximately 90% Reduction)

- Drainage Area flowing to Pipe Crossing Route 4/Christiana Parkway: 640 Acres
  - Peak Runoff 100 Year Event: 1430 Cubic Feet Per Second

What Does This Mean?

- Approximately 10% of the drainage area at Silverbrook is the area upstream of Rodney Underpass. Pond has the potential to take this runoff out of the equation.

- Stormwater Improvements could eliminate flooding at the Rodney Underpass and would improve conditions on South Main Street.

- Formal Engineering Study will be required before design is finalized.

Other Uses

- Amenities maintained or Improved

- Habitat Creation

- Educational Features

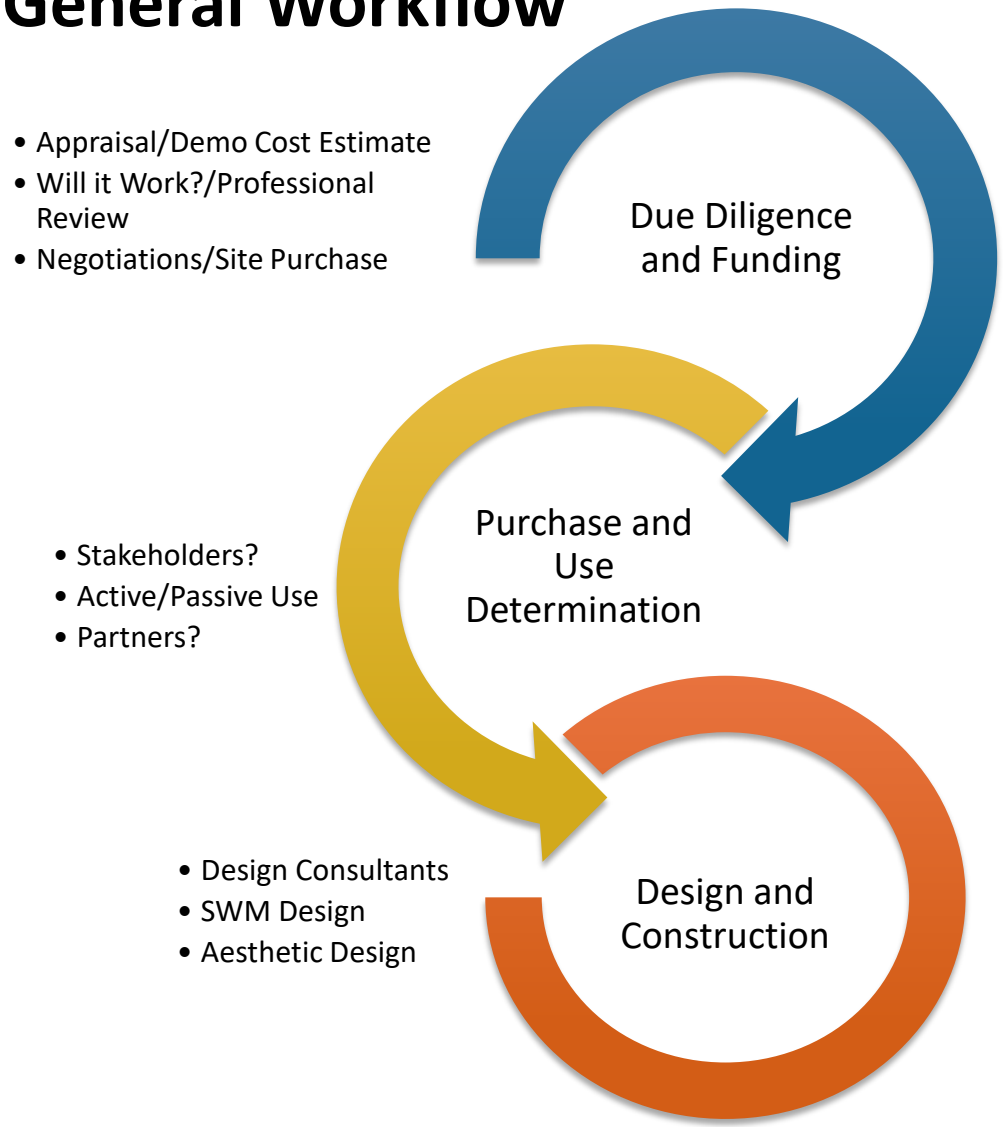
- Stormwater Quality Improvements

Interested Parties and Stakeholders

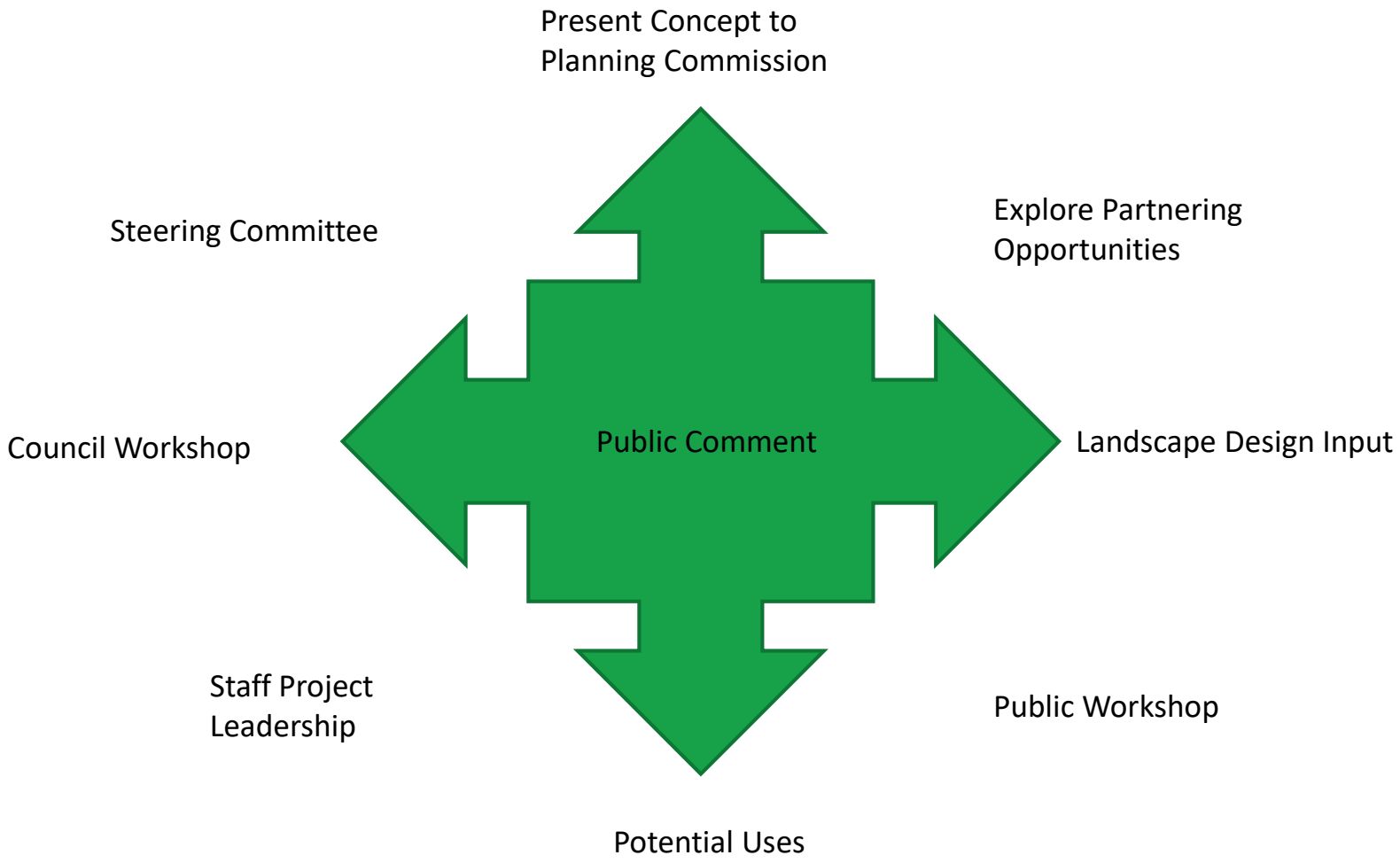
City of Newark
- Residents
- Public Works and Water Resources
- Parks and Recreation Department
- Community Affairs

Design Consultant (TBD)
Landscape Architect (TBD)
UD Faculty
UD Research
Educational Element
- School Partners

General Workflow



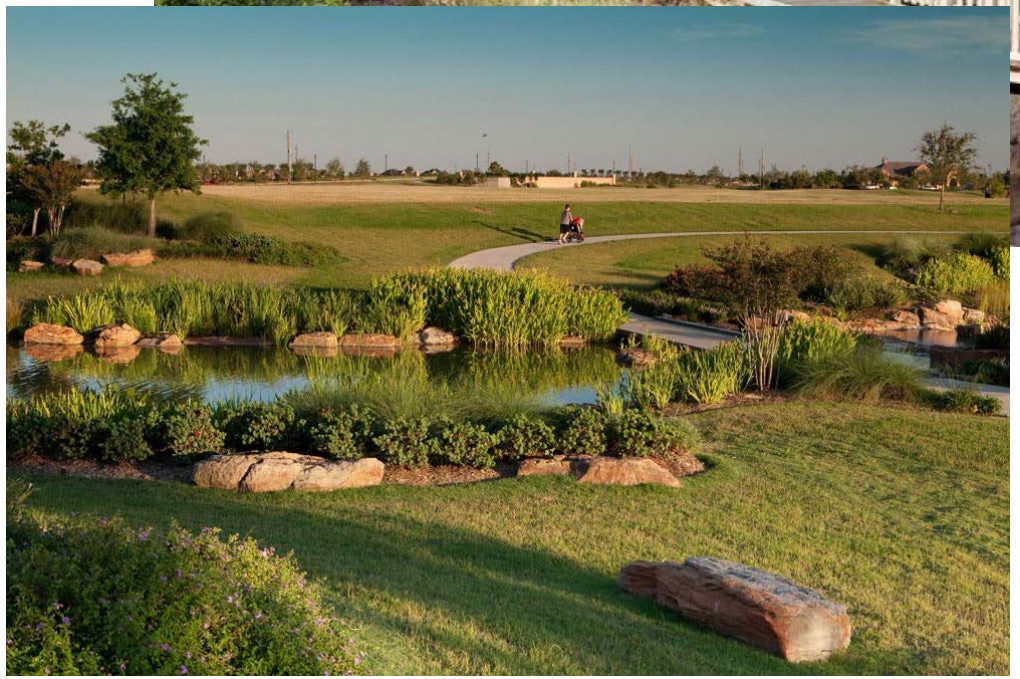
Rodney Complex: Anticipated Opportunities for Public Participation



Representative Projects

Atlanta, GA – Clear Creek Basin
at Fourth Ward Park

Representative Projects



Representative Projects

Photo by Nelson Byrd Woltz Landscape Architects

Local Examples: Innovative Projects to Fulfill Public Need with Open Space Opportunity

City of Wilmington
Cool Spring Reservoir and Park

Hockessin Athletic Club – Soccer Fields
Within Stormwater Detention Basin

Renderings

Artist's Perspective of the Detention Pond

Concept Plan

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