Hagan-Lafitte Drainage Upgrades and Green Infrastructure Project

Design Review Committee
April 27, 2017
Agenda

1. Project Goals and Benefits
2. Changes from last DRC Meeting
3. Project Progress
4. Schedule
Project Budget and Goals

Neighborhood Resiliency

• HMGP funded $5.35 million
• Benefit/Cost Analysis of 1.67 (1.0 Req’d)
• Reduce flooding
• Utilize Green Infrastructure to slow, retain, and absorb storm water
• Improve resident’s quality of life
Grey Infrastructure Improvements

- Redirect flow toward St. Louis Canal
Green Infrastructure Goals

• Increase pervious area – Pervious sidewalk and Rain Gardens
• Recharge aquifer
• Add Underground storage
Flood Reduction Benefits

• Average peak flood elevation reduction of 14” in project area for 2-year storm

• Average flood duration reduction of 2.6 hours for 2-year storm

• Underground storage provides for 3.75” of rainfall over the site
Flood Reduction Benefits

Existing Condition 2-year Flooding
Flood Reduction Benefits

Proposed Condition 2-year Flooding
Notable Changes

Underground Storage at Easton Park

• Removed the sump pumps from the underground storage
• Underground storage changed to open bottomed chambers to increase infiltration
• Added field grading and new turf
Underground Storage

- Storage Volume to reduce flooding for the neighborhood
- Park gains new turf and sloped to drain to underground storage maximizing use of fields after storms.
Notable Changes to the Plans – Green Infrastructure

- Refined design for rain gardens
- Added more pervious sidewalk to increase connectivity

Drainage stone required to be non-calcite material
Green Infrastructure Rendering
Project Progress

• Plan-in-Hand meeting on February 2\textsuperscript{nd}
  • DPW, NORDC, Parks and Parkways, Entergy, Cox, SWBNO, CIP
• Environmental Site Assessment meeting on April 24\textsuperscript{th} – plan in process
• Review Meeting with SWBNO – April 26th
• DRC meeting on April 27th
Status of Project Review

- Coordinating with Parks & Parkway, NORDC and SWBNO
- Advance Check Print submitted on March 8th
- GOHSEP/FEMA review scheduled for completion May 7th
- Final Plan Submittal due May 28th
We are on Schedule!

- **Final Plan Completion**: May 28, 2017
- **Bid and Award Phase**: Sept. 5, 2017 - Dec. 26, 2017
- **Notice to Proceed for Construction**: Dec. 26, 2017
- **Construction Complete**: Dec. 2018
Discussion

Thank You!

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