

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

Green Infrastructure Goals

- Increase pervious area – Pervious sidewalk and Rain Gardens
- Recharge aquifer
- Add Underground storage



Gulf
Muhly



Louisiana
Iris

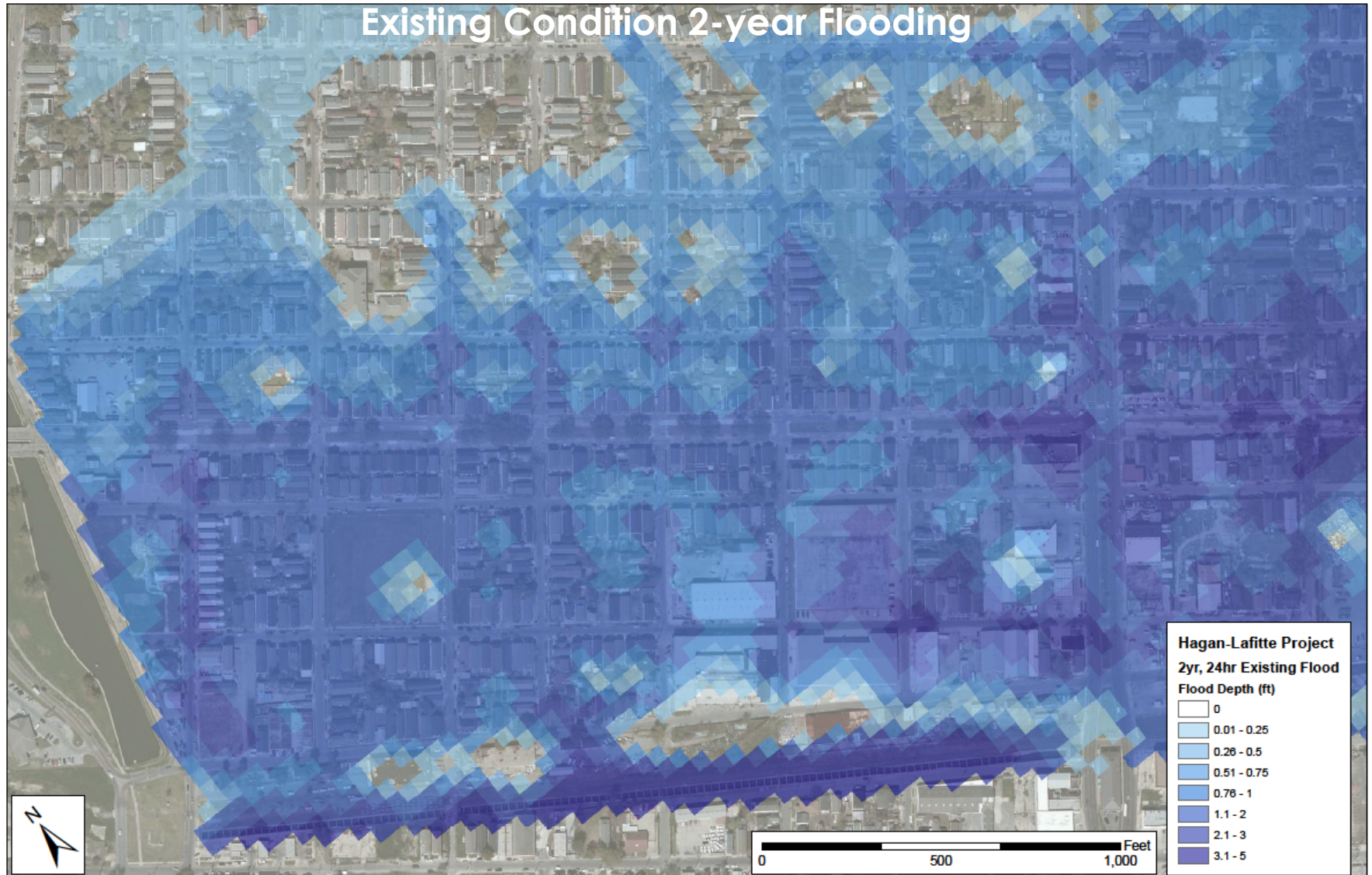


Dwarf
Palmetto

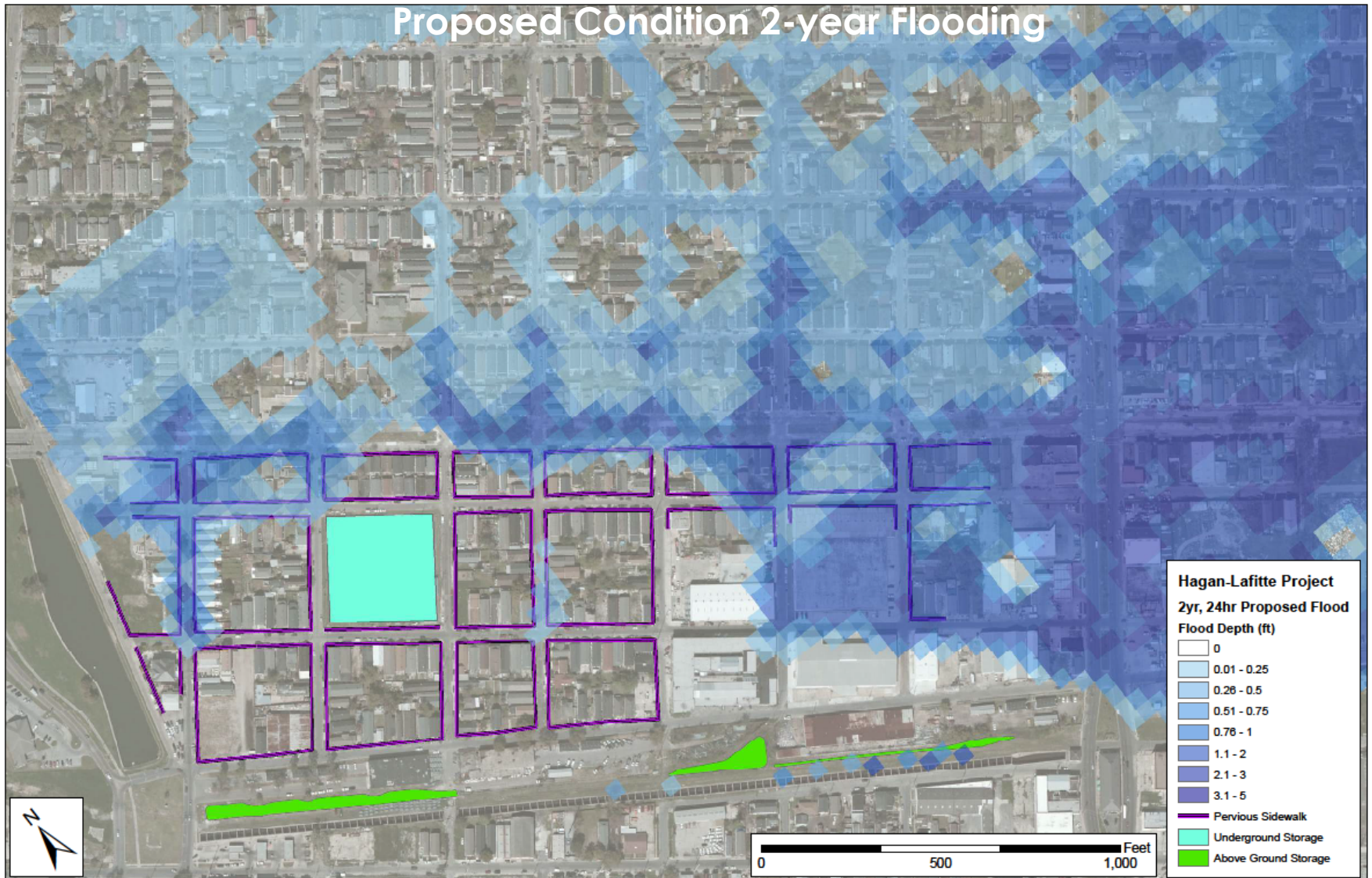
Flood Reduction Benefits

- 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

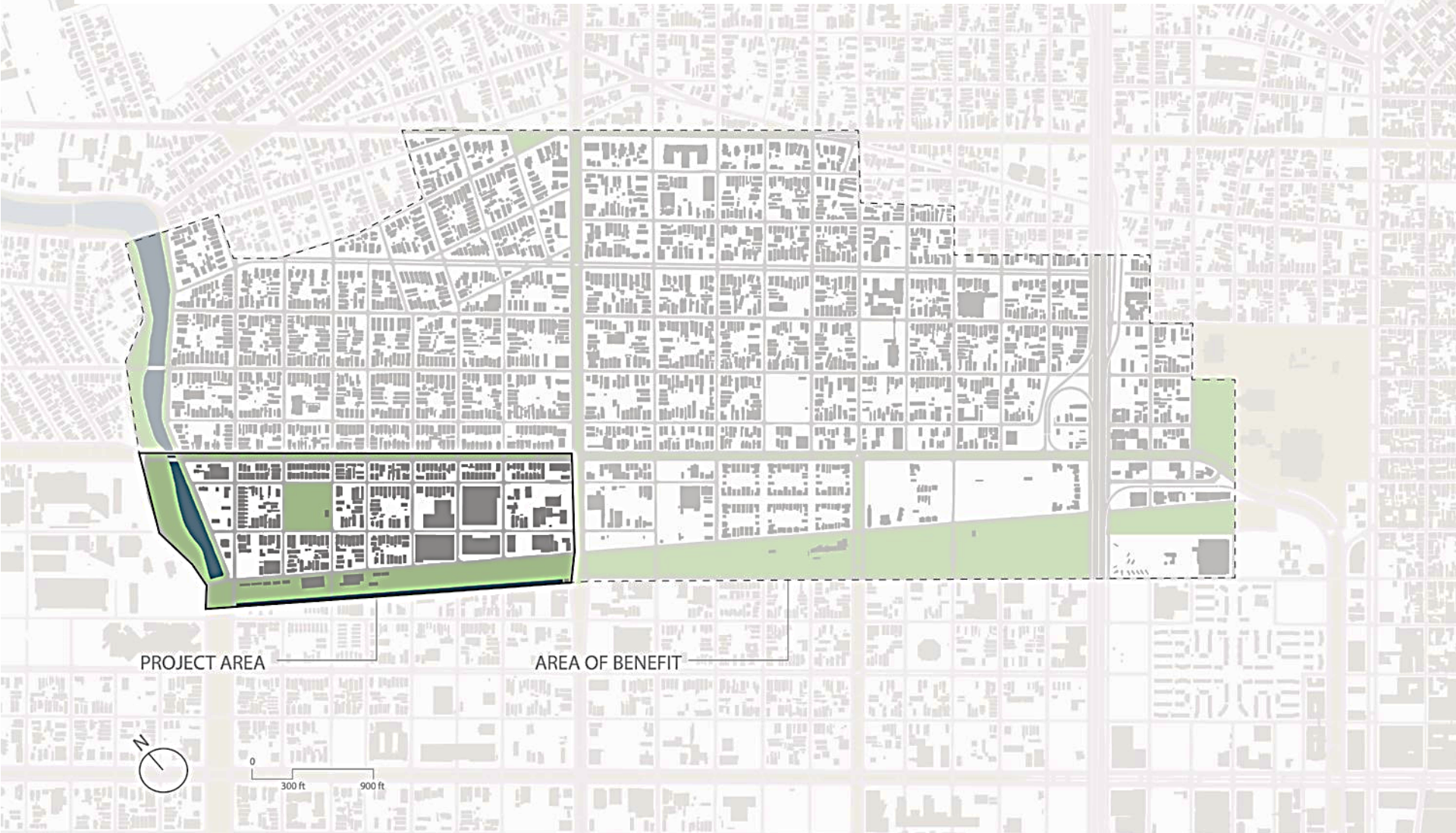
Flood Reduction Benefits



Flood Reduction Benefits



Extent of Benefit

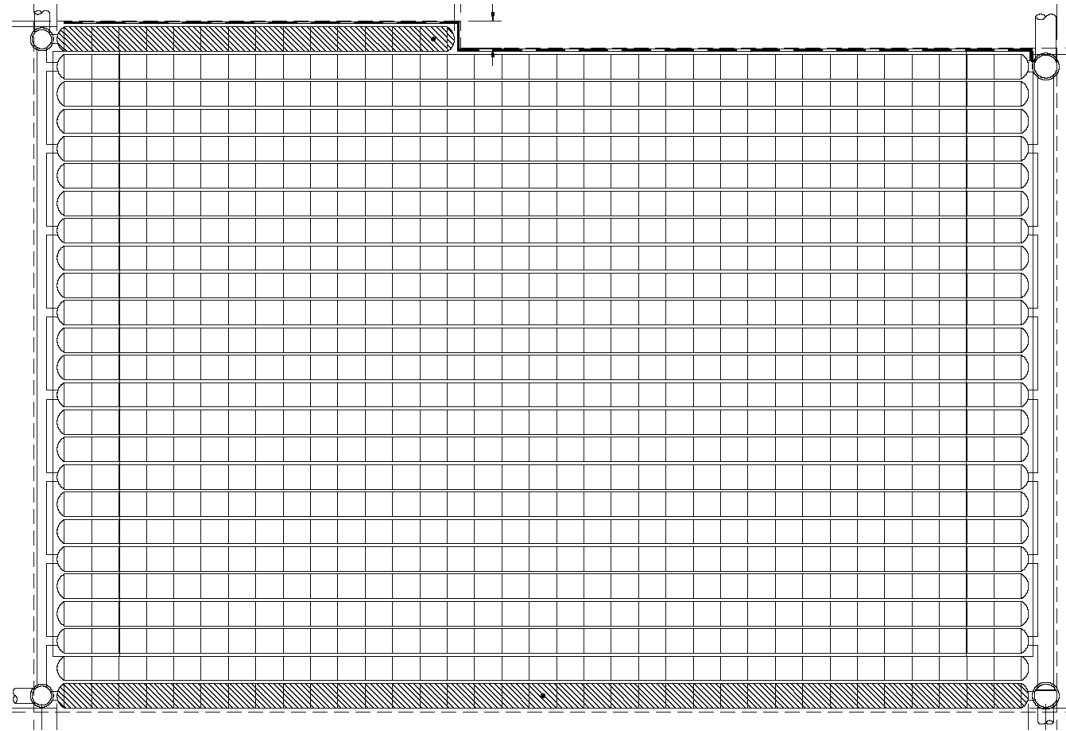


Notable Changes

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.

Green Infrastructure Rendering



Current

Green Infrastructure Rendering



After

Project Progress

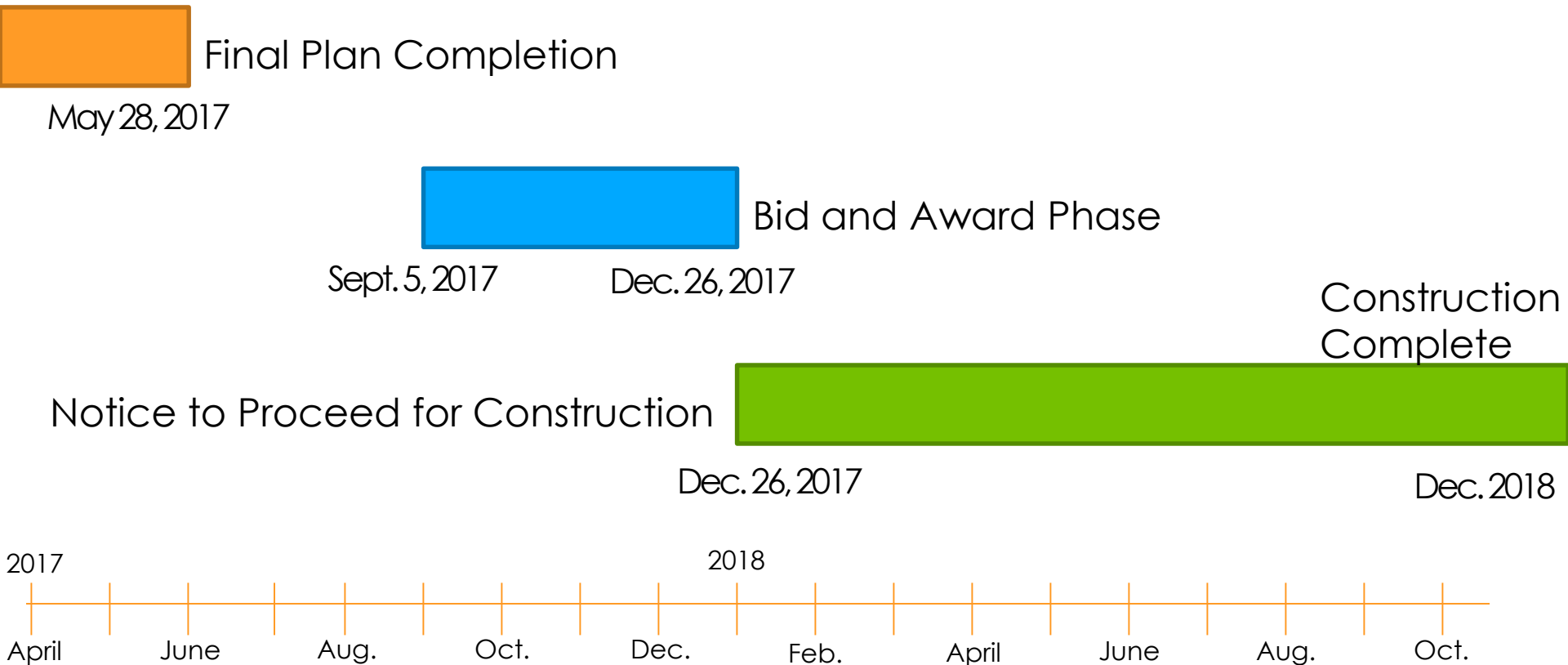


- Plan-in-Hand meeting on February 2nd
 - DPW, NORDC, Parks and Parkways, Entergy, Cox, SWBNO, CIP
- Environmental Site Assessment meeting on April 24th – plan in process
- Review Meeting with SWBNO – April 26th
- DRC meeting on April 27th

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!



Discussion Thank You!



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