



National Disaster
Resilience Competition
Grant

April 19, 2016

www.resilientshelby.com

Team Introductions



Shelby County Resilience Council:

Tom Needham, Public Works

Rick Copeland, Planning and Development

John Zeanah, Planning and Development

Jim Vazquez, Housing

Scott Walkup, Housing

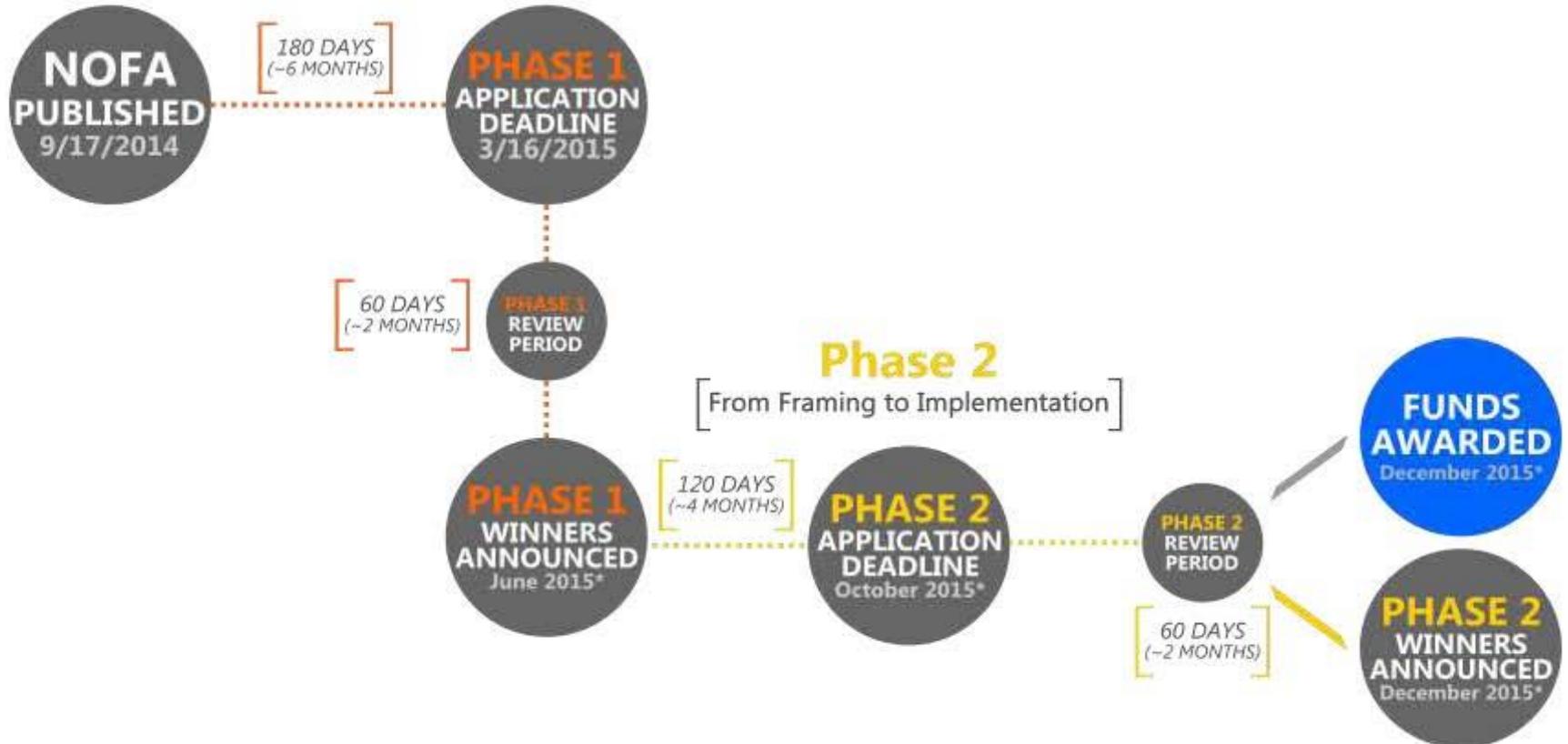
Levell Blanchard, Office of Preparedness

Manny Belen, City of Memphis Engineering

2-Phase Competition

Phase 1

[Framing Unmet Recovery Needs, Vulnerabilities, and Community Development Objectives]





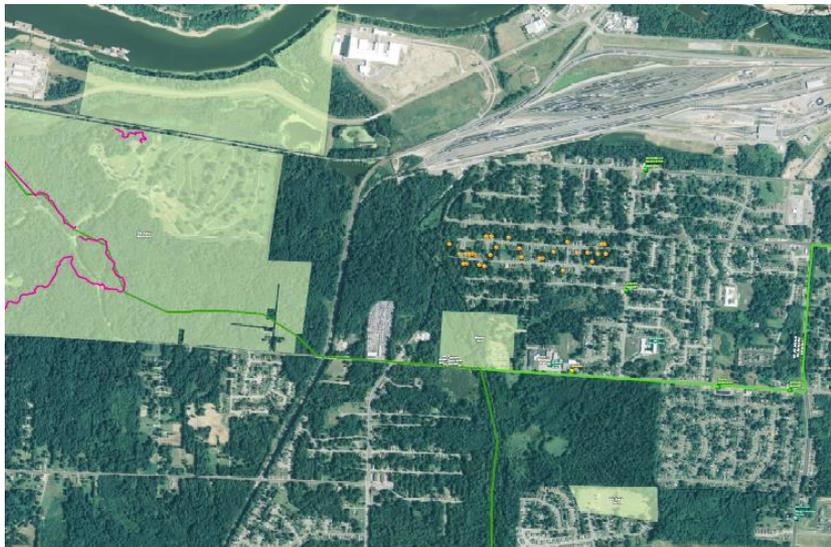
GREENPRINT FOR RESILIENCE

Making Room For The River

Awarded \$60,445,163

Leverage: \$35,600,000

Activity 3: South Cypress Creek



- Buyout of existing homes and replace with greenspace, wetlands, and other flood storage to accommodate water flow
- Better protection for nearby LMI homes
- Create affordable infill or rehabilitation nearby for displaced residents
- Creation of multi-purpose trails
- Local food production
- Development of vacant lot program

Grant Budget: \$8,988,097

Leverage: \$1,600,000 (stormwater fund and CDBG)



- WETLANDS
- UPLAND BMP'S
- LEVEE/BERM
- STREAM IMPROVEMENTS
- - - EXISTING 500-YR FLOODPLAIN



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 and Urban Development



SCALE
 1" = 500'

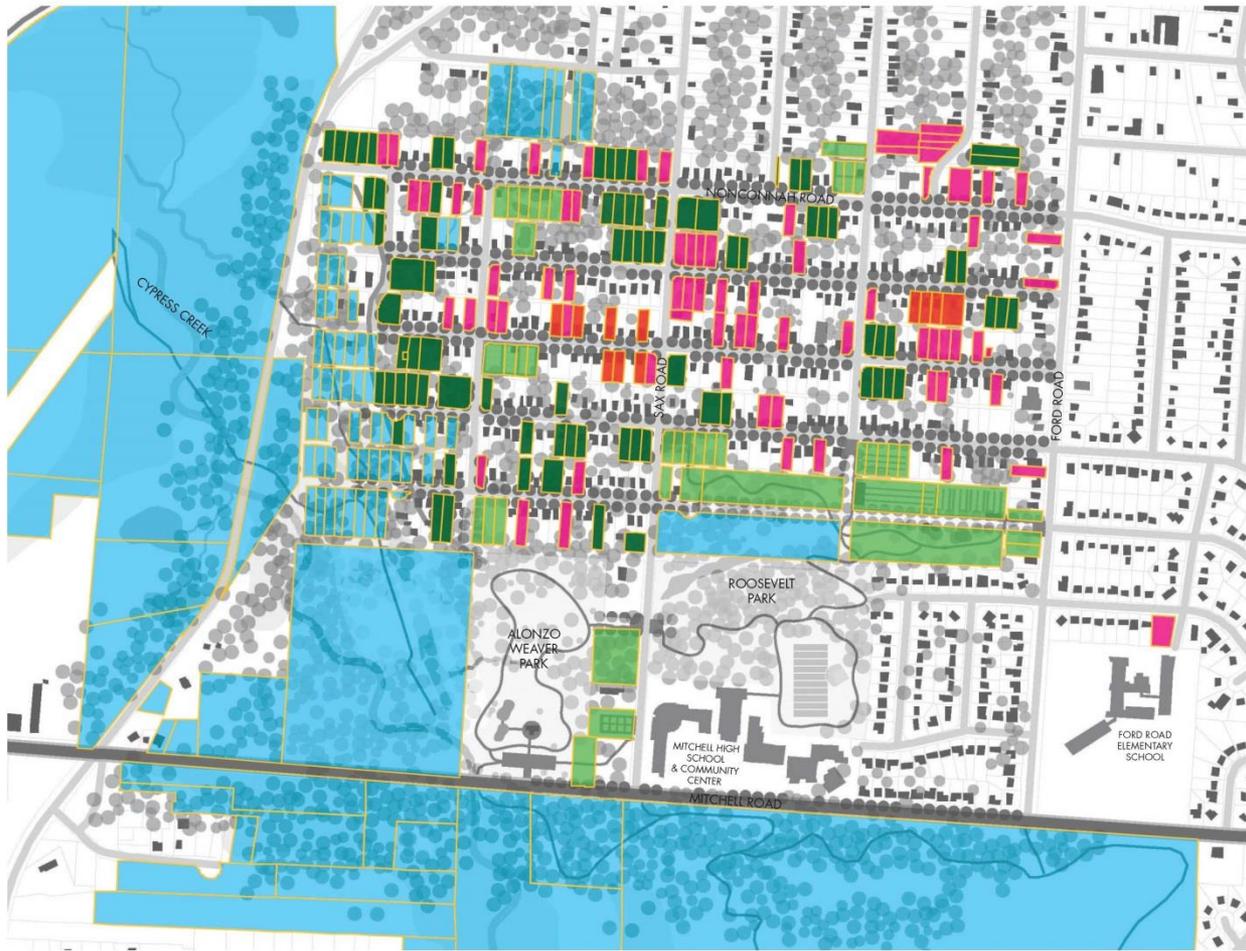


GREENPRINT FOR RESILIENCE
MAKING ROOM FOR THE RIVER

SITE PLAN DIAGRAM
 STORM WATER



**CONNECTING
 COMMUNITIES**



- HOME LOT
- EXPANDED LOT
- FLOOD LOT
- COMMUNITY LOT
- WILD LOT

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SCALE
1" = 500'

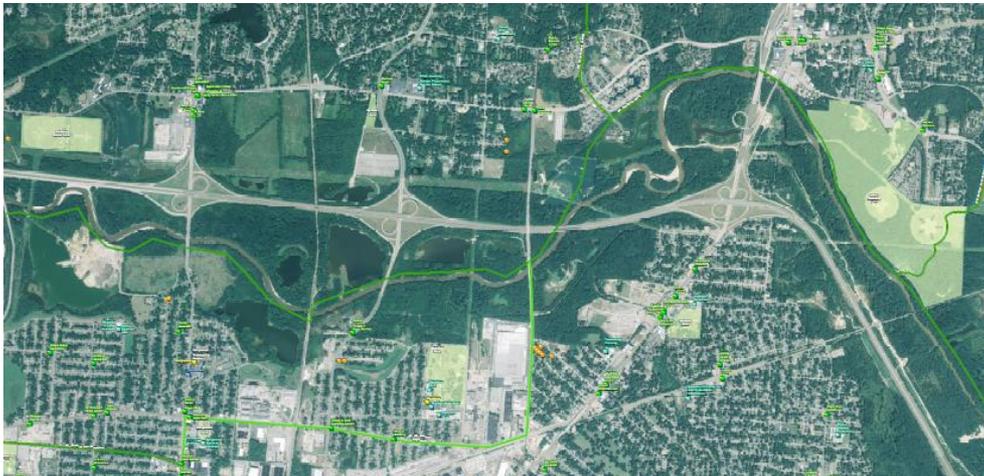
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GREENPRINT FOR RESILIENCE
 MAKING ROOM FOR THE RIVER

SITE PLAN DIAGRAM
 VACANT LAND RE-USE



Activity 2: Wolf River



- Re-establishment of wetlands and other flood storage to accommodate water flow
- Better protection for nearby and downstream LMI homes
- Contribute to Wolf River Greenway
- Add new park amenities at Rodney Baber Park (Frayser) and Kennedy Park (Raleigh)
- Green street on Orchi, bike lanes on Highland

Grant Budget: \$18,260,842

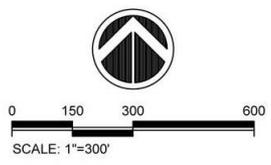
Leverage: \$34,000,000 (\$31.5M-WRC, \$2.5M-stormwater fund)



RITCHIE SMITH ASSOCIATES

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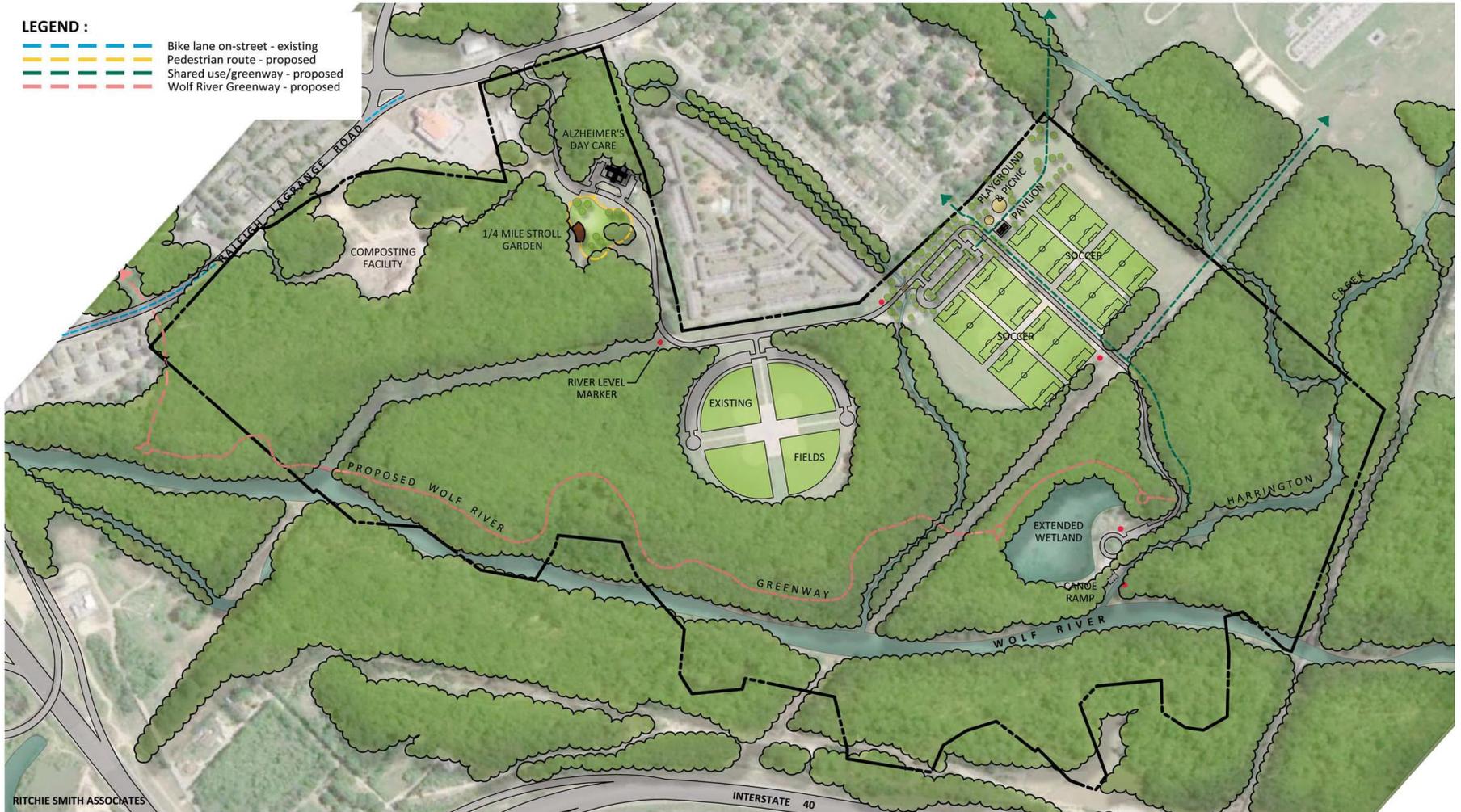


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RODNEY BABER PARK
 CONCEPT PLAN
 Figure ?
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CONN
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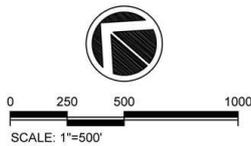
- LEGEND :**
- Bike lane on-street - existing
 - Pedestrian route - proposed
 - Shared use/greenway - proposed
 - Wolf River Greenway - proposed



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KENNEDY PARK
 CONCEPT PLAN

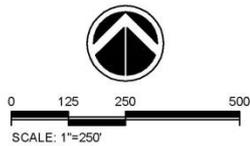
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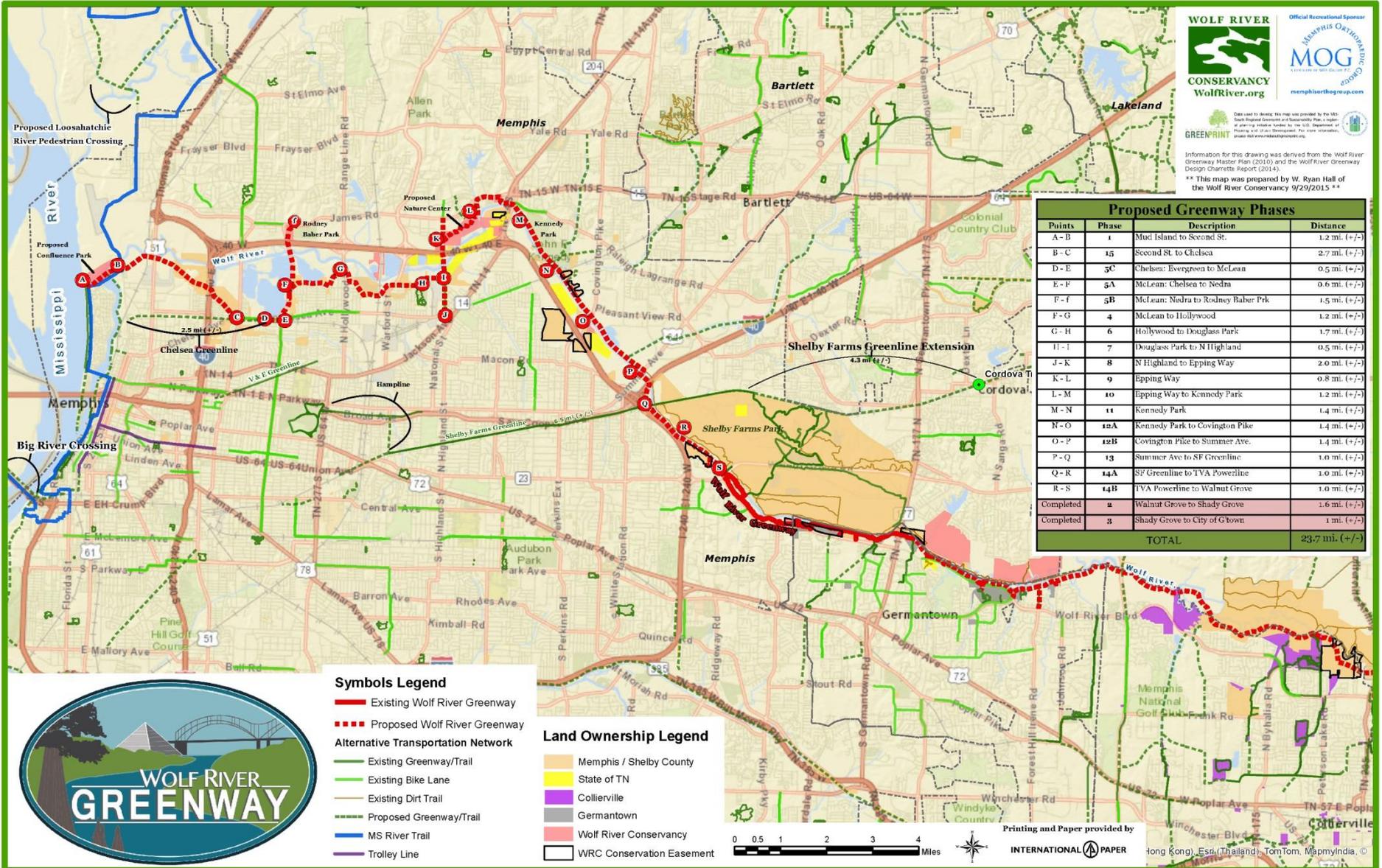


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GREENPRINT FOR RESILIENCE
 MAKING ROOM FOR THE RIVER
 Orchi Road Complete Street
 Concept


**CONNECTING
COMMUNITIES**

Information for this drawing was derived from the Wolf River Greenway Master Plan (2010) and the Wolf River Greenway Design Charter Report (2014).
 ** This map was prepared by W. Ryan Hall of the Wolf River Conservancy 9/29/2015 **



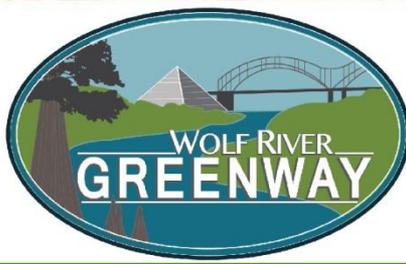
Proposed Greenway Phases			
Points	Phase	Description	Distance
A - B	1	Mud Island to Second St.	1.2 mi. (+/-)
B - C	15	Second St. to Chelsea	2.7 mi. (+/-)
D - E	3C	Chelsea: Evergreen to McLean	0.5 mi. (+/-)
E - F	5A	McLean: Chelsea to Nedra	0.6 mi. (+/-)
F - f	5B	McLean: Nedra to Rodney Baber Prk	1.5 mi. (+/-)
F - G	4	McLean to Hollywood	1.2 mi. (+/-)
G - H	6	Hollywood to Douglass Park	1.7 mi. (+/-)
H - I	7	Douglass Park to N Highland	0.5 mi. (+/-)
J - K	8	N Highland to Epping Way	2.0 mi. (+/-)
K - L	9	Epping Way	0.8 mi. (+/-)
L - M	10	Epping Way to Kennedy Park	1.2 mi. (+/-)
M - N	11	Kennedy Park	1.4 mi. (+/-)
N - O	12A	Kennedy Park to Covington Pike	1.4 mi. (+/-)
O - P	12B	Covington Pike to Summer Ave.	1.4 mi. (+/-)
P - Q	13	Summer Ave to SF Greenline	1.0 mi. (+/-)
Q - R	14A	SF Greenline to TVA Powerline	1.0 mi. (+/-)
R - S	14B	TVA Powerline to Walnut Grove	1.0 mi. (+/-)
Completed	2	Walnut Grove to Shady Grove	1.6 mi. (+/-)
Completed	3	Shady Grove to City of Gtown	1 mi. (+/-)
TOTAL			23.7 mi. (+/-)

Symbols Legend

- Existing Wolf River Greenway
- - - Proposed Wolf River Greenway
- Alternative Transportation Network**
- Existing Greenway/Trail
- - - Existing Bike Lane
- Existing Dirt Trail
- - - Proposed Greenway/Trail
- MS River Trail
- Trolley Line

Land Ownership Legend

- Memphis / Shelby County
- State of TN
- Collierville
- Germantown
- Wolf River Conservancy
- WRC Conservation Easement

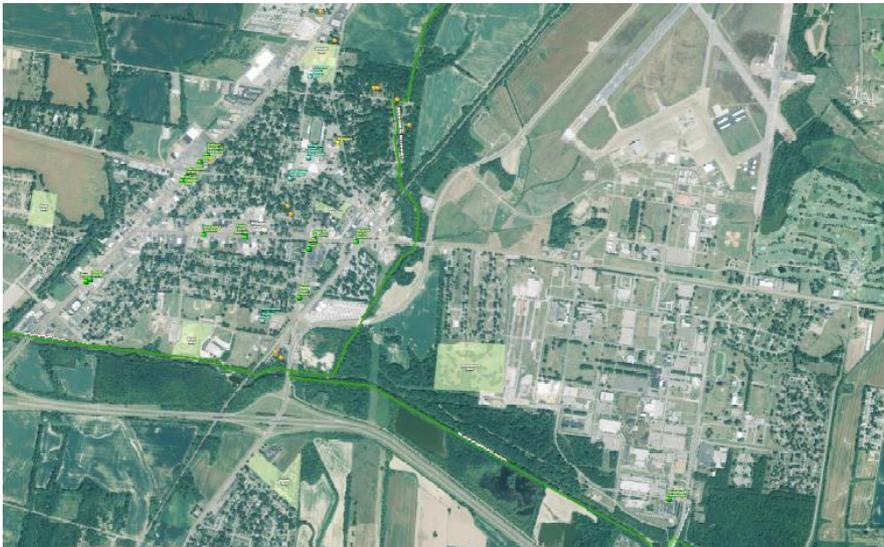


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Activity 1: Big Creek

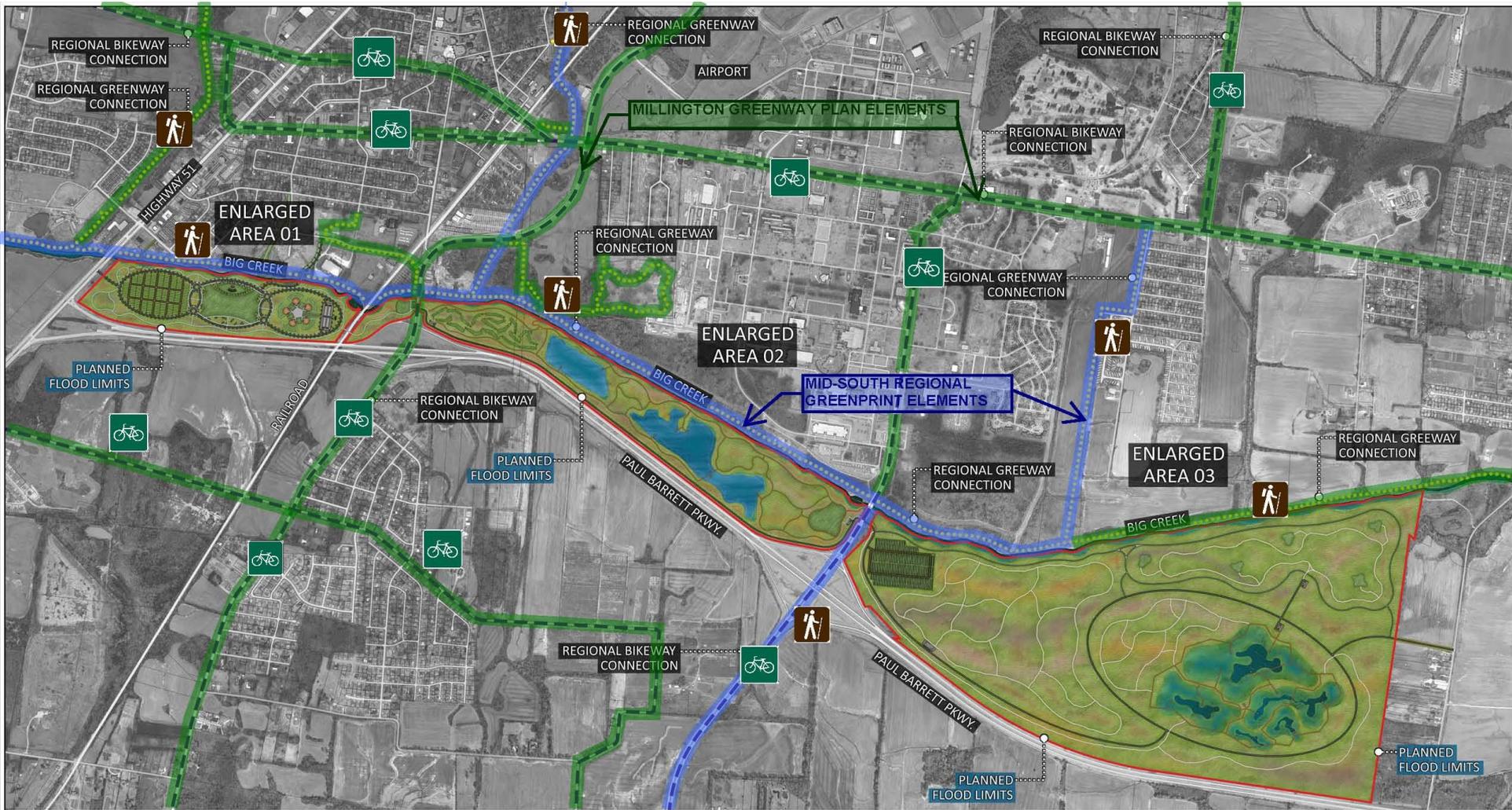


- Re-establishment of wetlands and other flood storage to accommodate water flow
- Better protection for nearby LMI homes and Naval Operations
- Creation of multi-purpose trails and greenspace
- Local food production



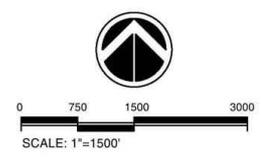
Grant Budget: \$29,447,227

Commitment: \$10,000,000 (Shelby County, State of TN, Millington)



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GREENPRINT FOR RESILIENCE
MAKING ROOM FOR THE RIVER

FIGURE 1.3
OVERALL MAP

**CONNECTING
COMMUNITIES**

Activity 4: Resilience Plan



- Many other areas of county and region were hard hit in 2011 or by other floods
- NDRC requirement of addressing unmet need limits where we address
- Community-driven process to identify future resilience projects
- NDRC projects may not “break ground” until 2017
- A regional resilience plan process continues momentum that will follow award announcement

Grant Budget: \$2,100,000