



US Army Corps
of Engineers
New Orleans District

100 Year Hurricane Protection Project

West Bank and Vicinity

- *Project Status Meeting*
- *Environmental Compliance*
- *Project Management*

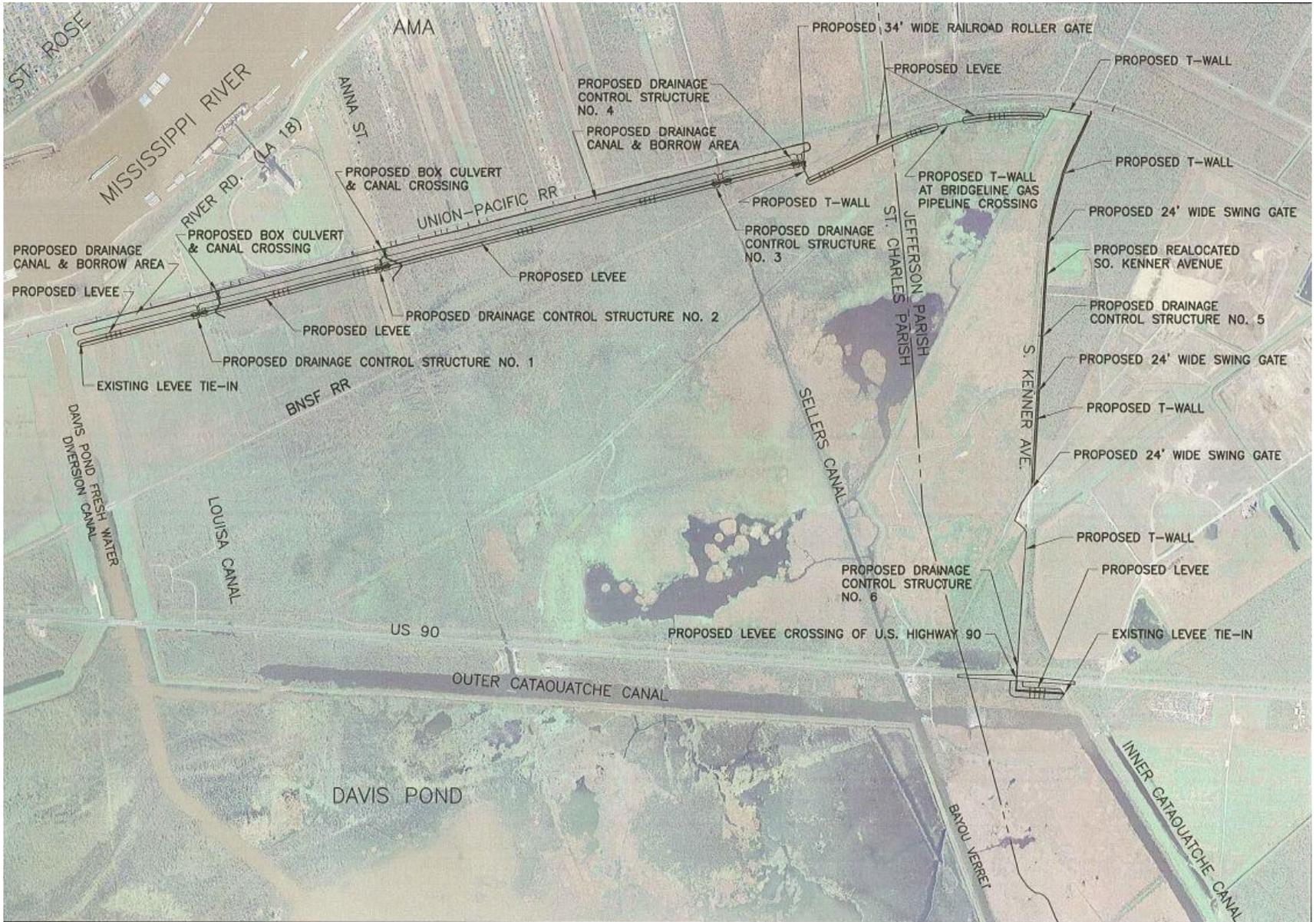
November 1, 2007

1:00 – 6:00 pm

**Pontchartrain Center
Kenner, LA**

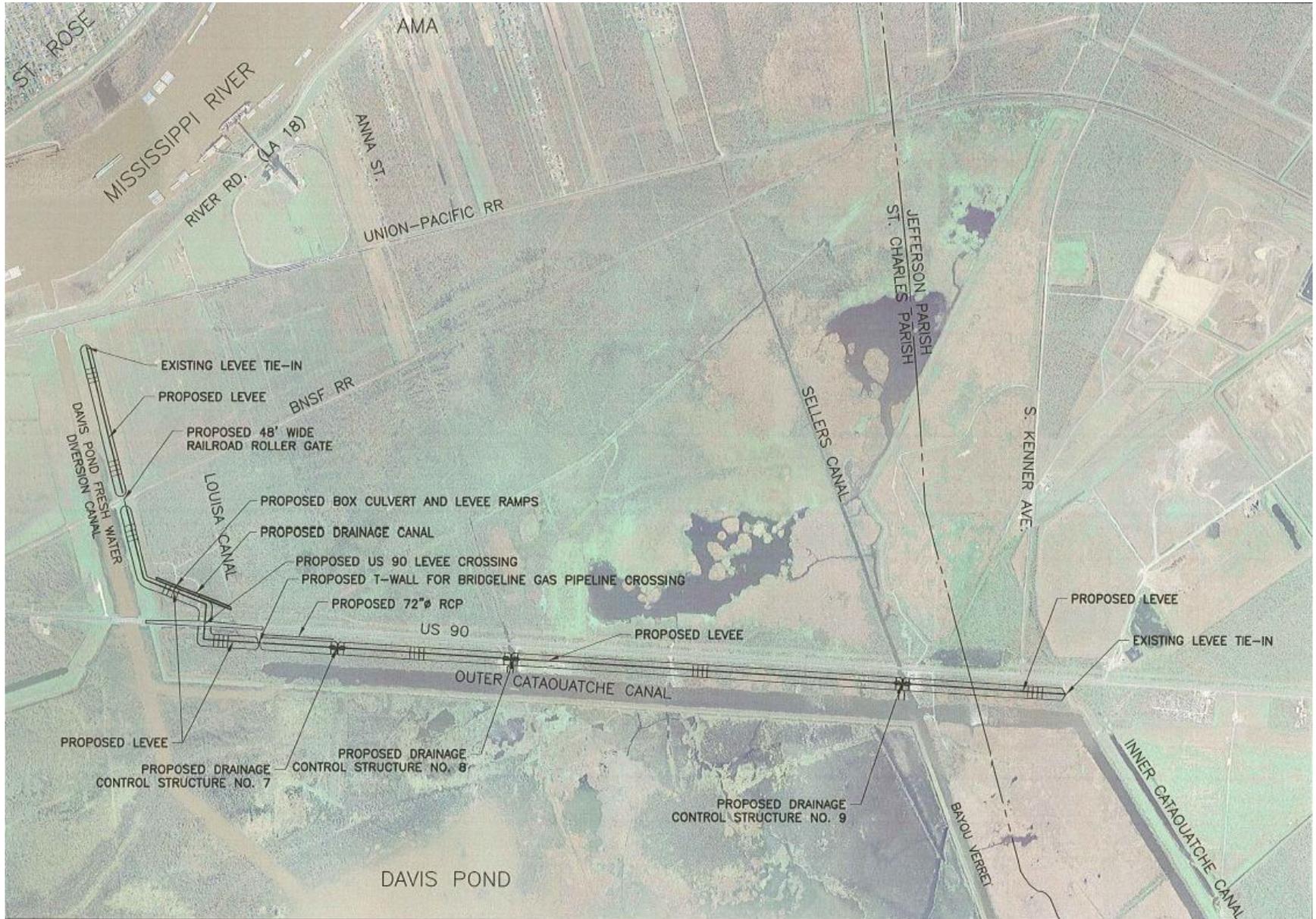
Western Tie- In - IER 16

Alternative 1



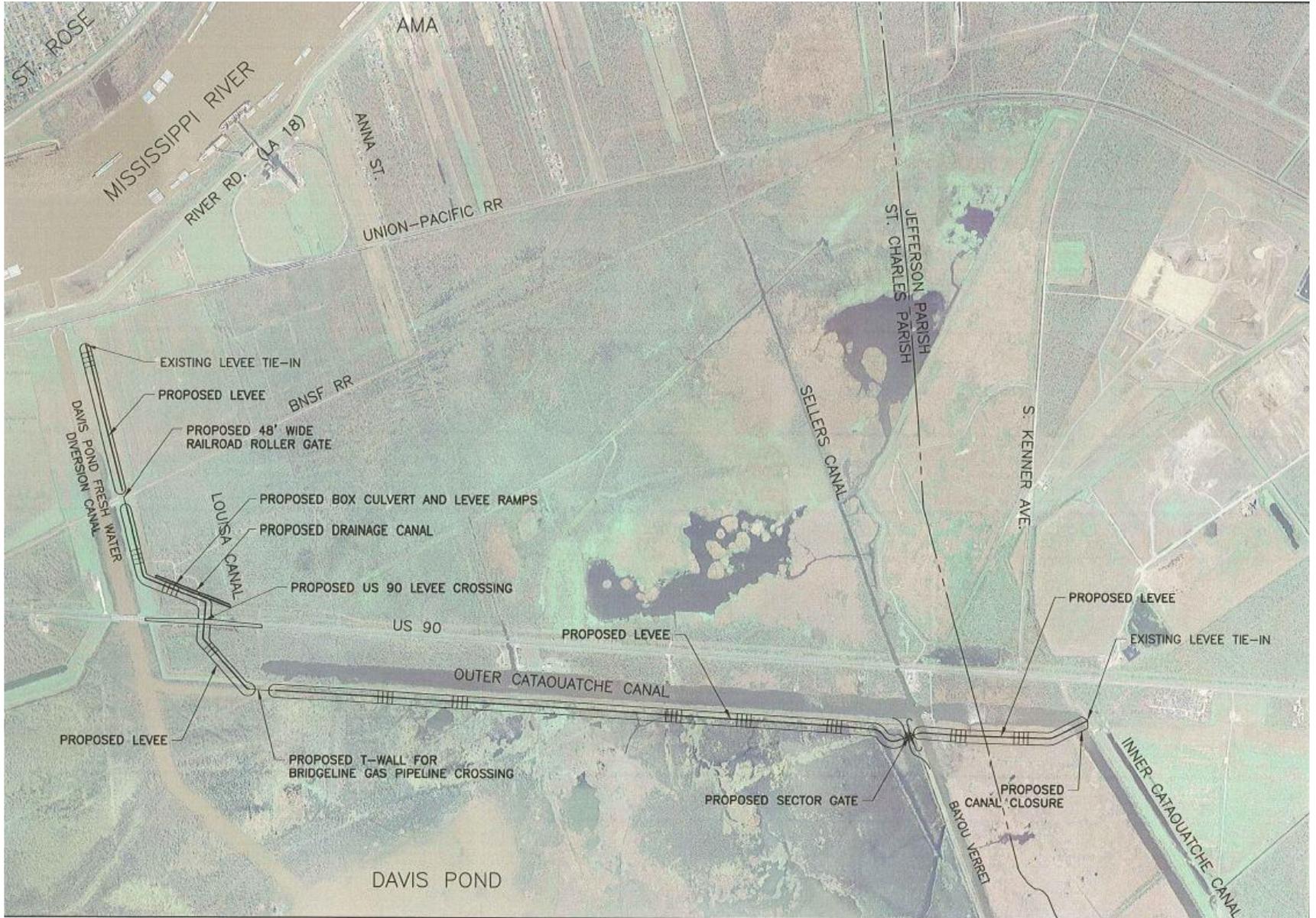
Western Tie- In - IER 16

Alternative 2



Western Tie- In - IER 16

Alternative 3



IER 15 Lake Cataouatche Levees

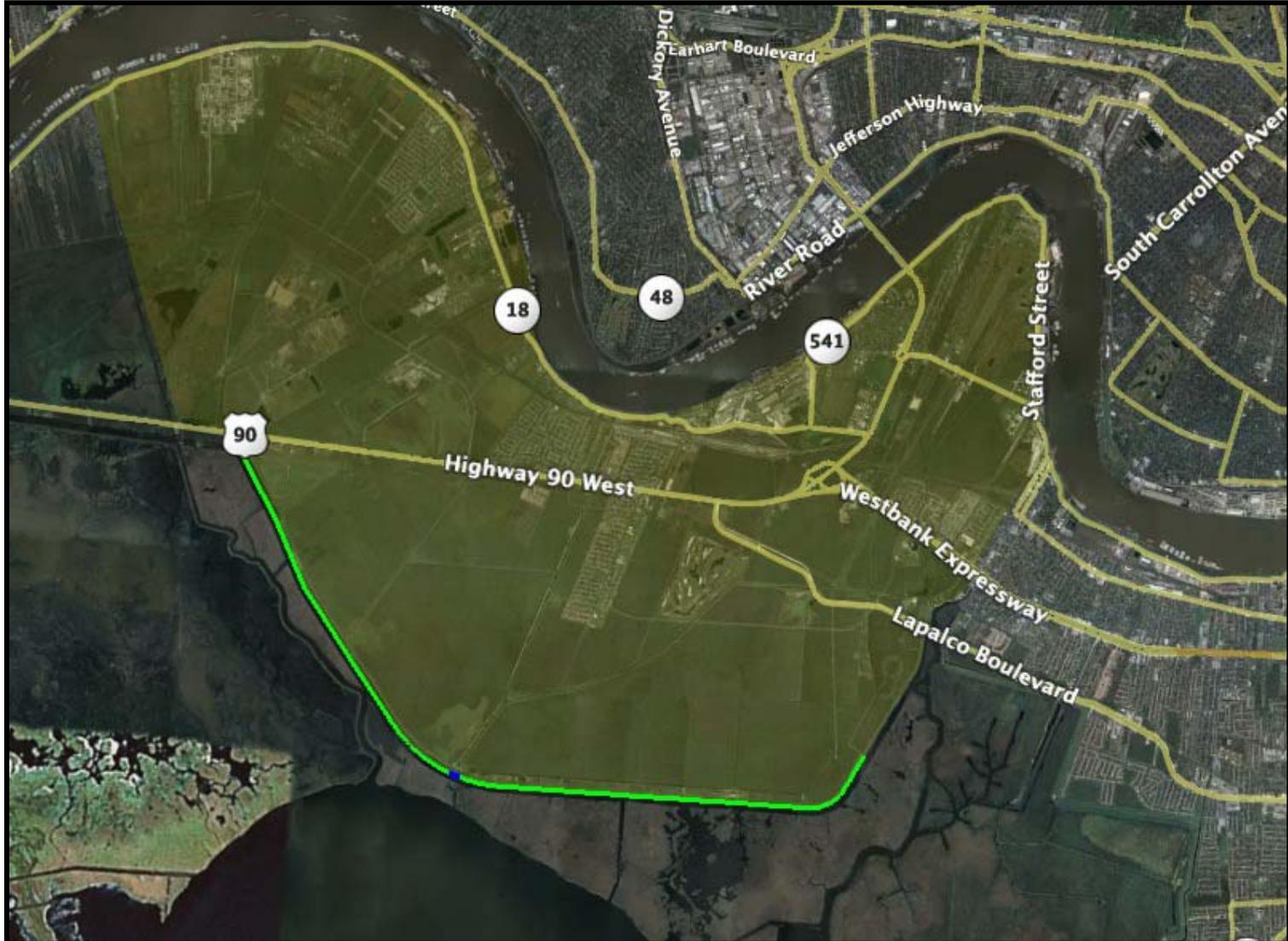
Current project alignment:



Levee



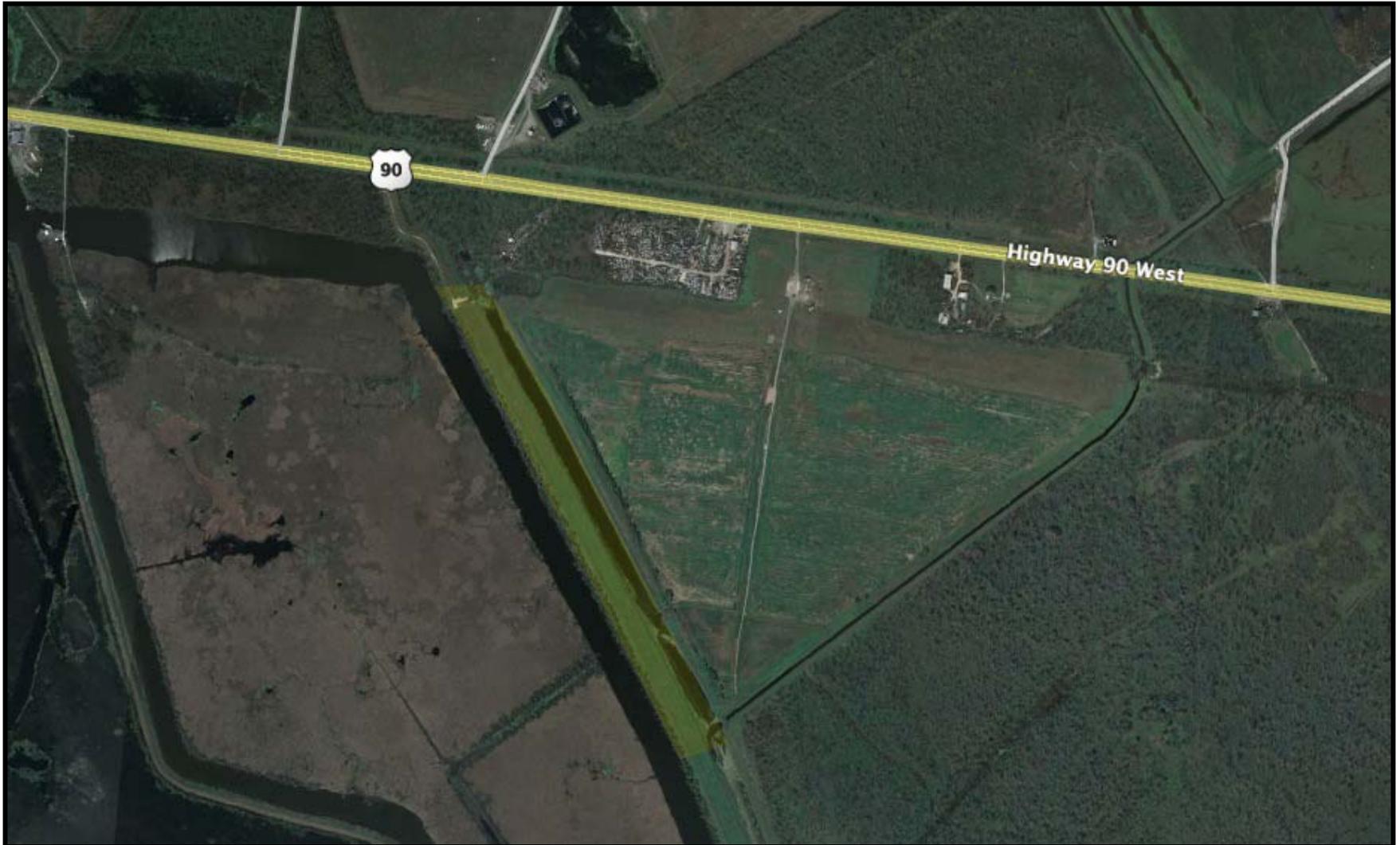
Floodwall



WBV-17b.2 Sta 160+00 to Hwy 90 Levee Enlargement

Alternatives: Levee Enlargement (straddle, landside or floodside shift) and floodwalls

**Earthen levee section (landside shift) in right of way
Includes wave berm, stability berm and armoring**



WBV-18.2 Lake Cataouatche Pump Station to Hwy 90 Levee Enlargement

Alternatives: Levee Enlargement (straddle, landside or floodside shift) and floodwalls

**Earthen levee section (landside shift) to elevation +15 in right of way
Includes wave berm, stability berm and armoring**



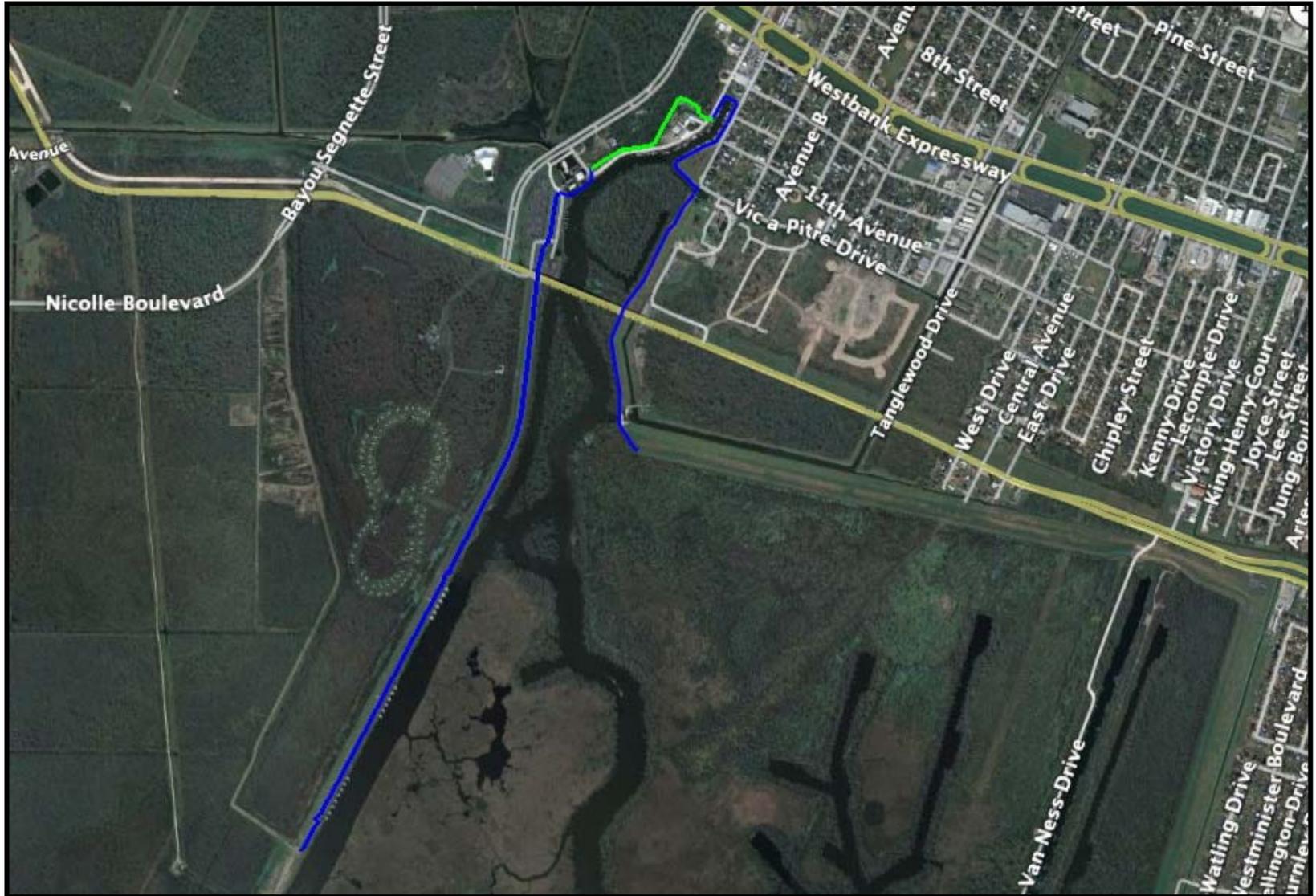
WBV-15a.2 Lake Cataouatche Pump Station of Segnette State Park Levee Enlargement

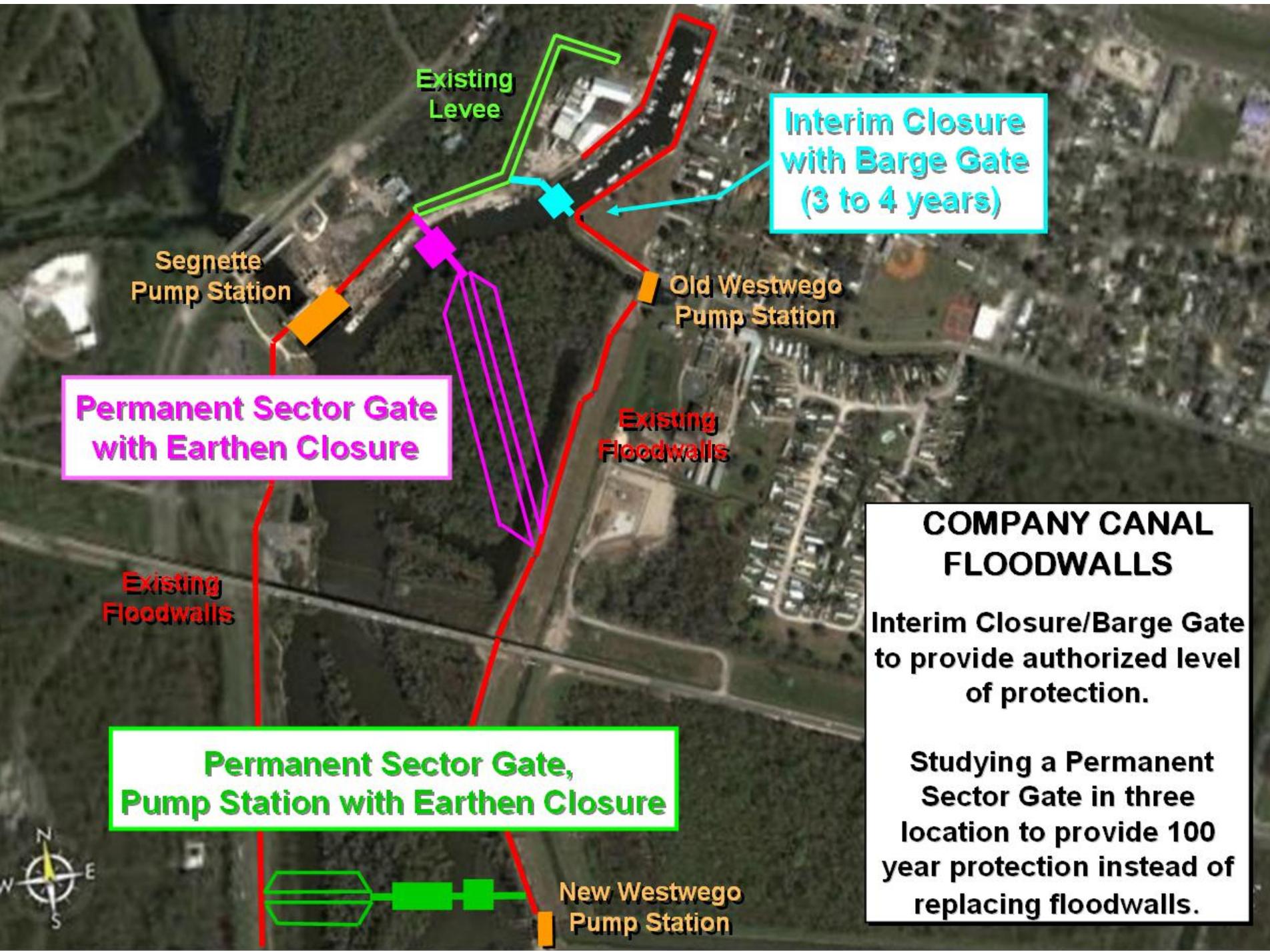
Alternatives: Levee Enlargement (straddle, landside or floodside shift) and floodwalls

**Earthen levee section (landside shift) to elevation +15 in right of way
Includes wave berm, stability berm and armoring**



IER 17 Bayou Segnette and Company Canal





Existing Levee

Interim Closure with Barge Gate (3 to 4 years)

Segnette Pump Station

Old Westwego Pump Station

Permanent Sector Gate with Earthen Closure

Existing Floodwalls

Existing Floodwalls

COMPANY CANAL FLOODWALLS

Interim Closure/Barge Gate to provide authorized level of protection.

Studying a Permanent Sector Gate in three location to provide 100 year protection instead of replacing floodwalls.

Permanent Sector Gate, Pump Station with Earthen Closure

New Westwego Pump Station



IER 14 Westwego to Harvey Levees and Floodwalls

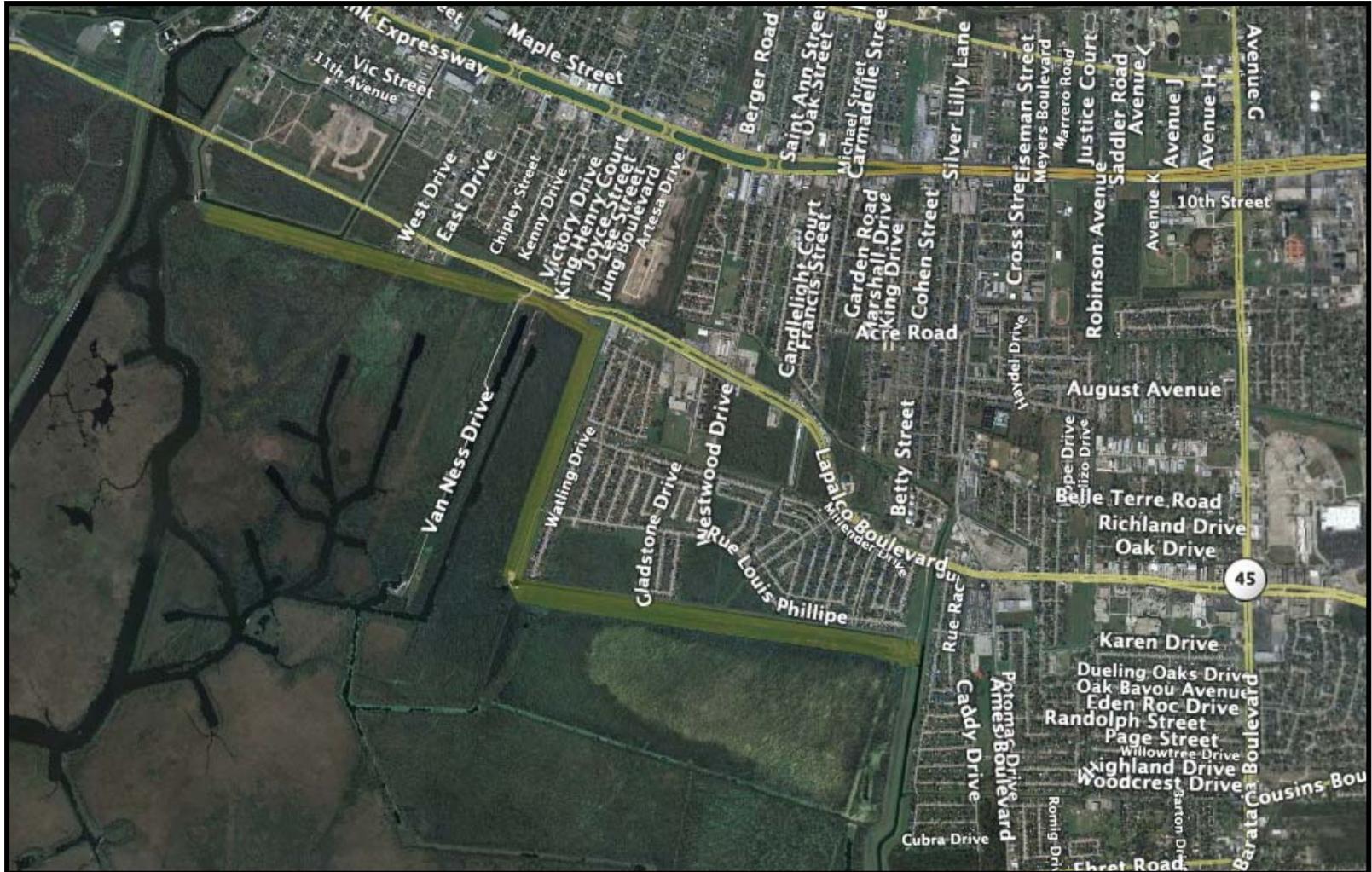
Current project alignment: —— Levee —— Floodwall



WBV-14c.2 New Westwego Pump Station to Orleans Village Levee Enlargement

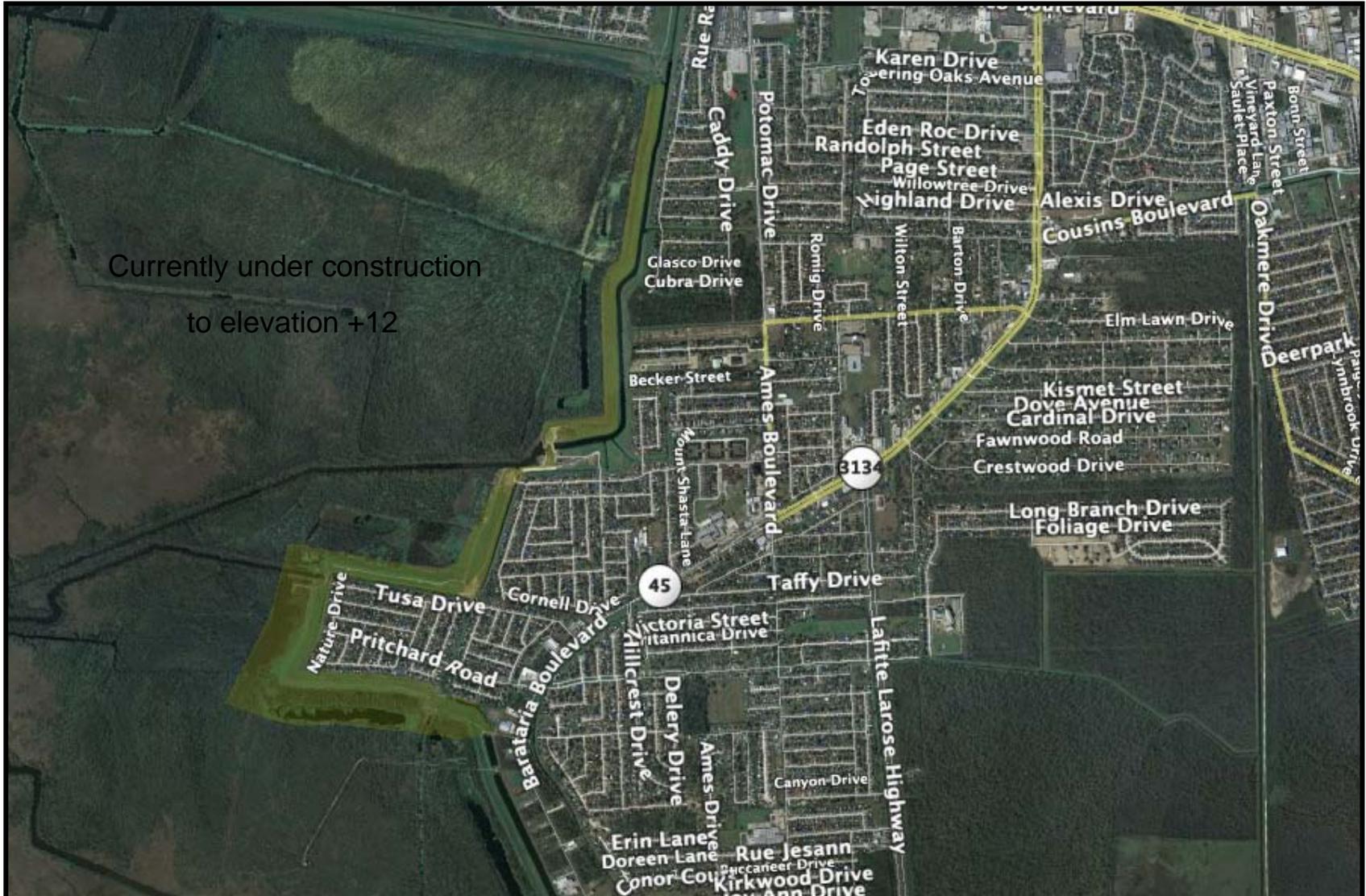
Alternatives: Levee Enlargement (straddle, landside or floodside shift) and floodwalls

**Earthen levee section to elevation +14 in right of way
May require geotextile fabric and/or soil mixing**



WBV-14b.2 Orleans Village to Hwy 45 Levee Enlargement

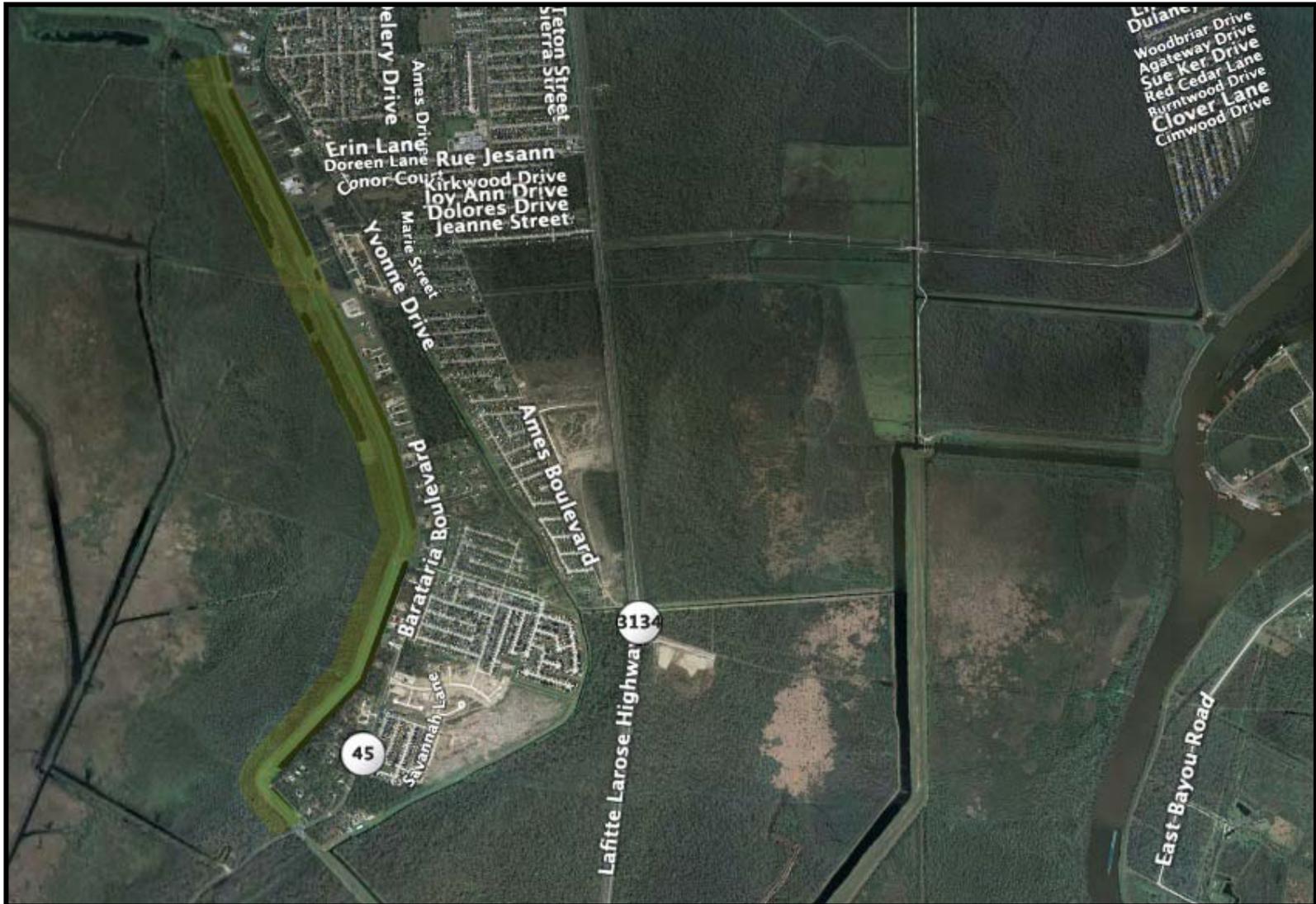
Alternatives: Levee Enlargement (straddle, landside or floodside shift) and floodwalls
**Earthen levee section (landside/floodside shift) to elevation +14 in right of way
May require geotextile fabric and/or soil mixing**



WBV-14f.2 Hwy 45 Levee Enlargement

Alternatives: Levee Enlargement (straddle, landside or floodside shift) and floodwalls

**Earthen levee section (floodside shift) to elevation +14 in right of way
May require geotextile fabric and/or soil mixing**



WBV-14d V Line Floodwall

Alternatives: Levee Enlargement (straddle, landside or floodside shift) and floodwalls

Replace I-Wall with T-Wall

Ramp at Lafitte Larose Hwy and replace Floodgate at Hwy 45

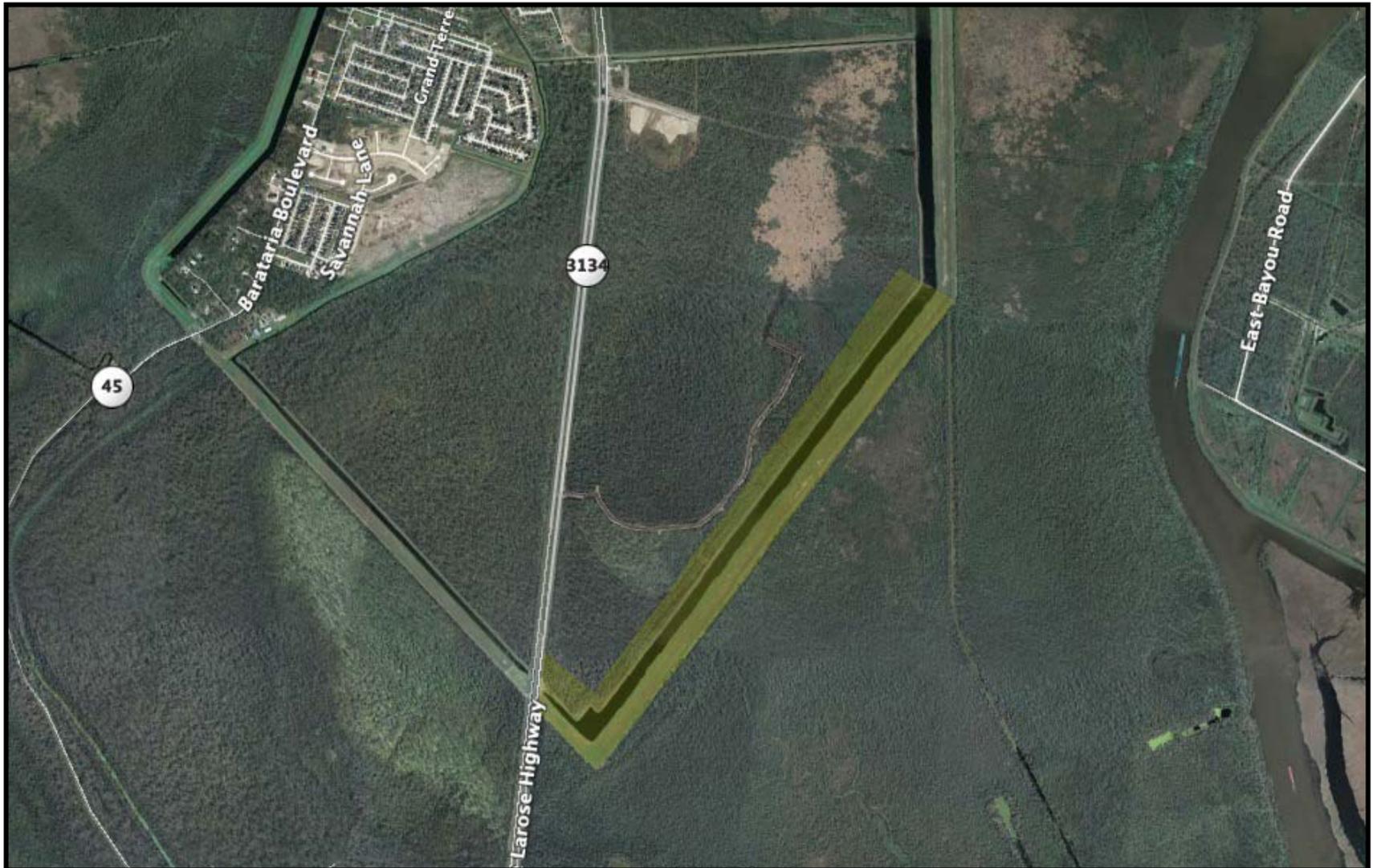


WBV-14e.2 V Line Levee East of Vertex Levee Enlargement

Alternatives: Levee Enlargement (straddle, landside or floodside shift) and floodwalls

Earthen levee section (landside shift)

May require relocation of drainage canal, geotextile fabric and/or soil mixing



Status of On-going Construction

Harvey Canal Floodgate

- Harvey Floodgate Operational
- Protection across canal +8
- Protection across canal by Jun 2008 +11



Harvey Canal Floodwalls

5 Task Orders under one Construction Contractor

Reach 1 Lapalco to Boomtown

Reach 2a Boomtown

Reach 2b Boomtown to Hero Pump Station
(Under Construction)

Reach 3a Hero Pump Station

Reach 3b Hero Pump Station to Algiers Canal



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Upcoming Construction

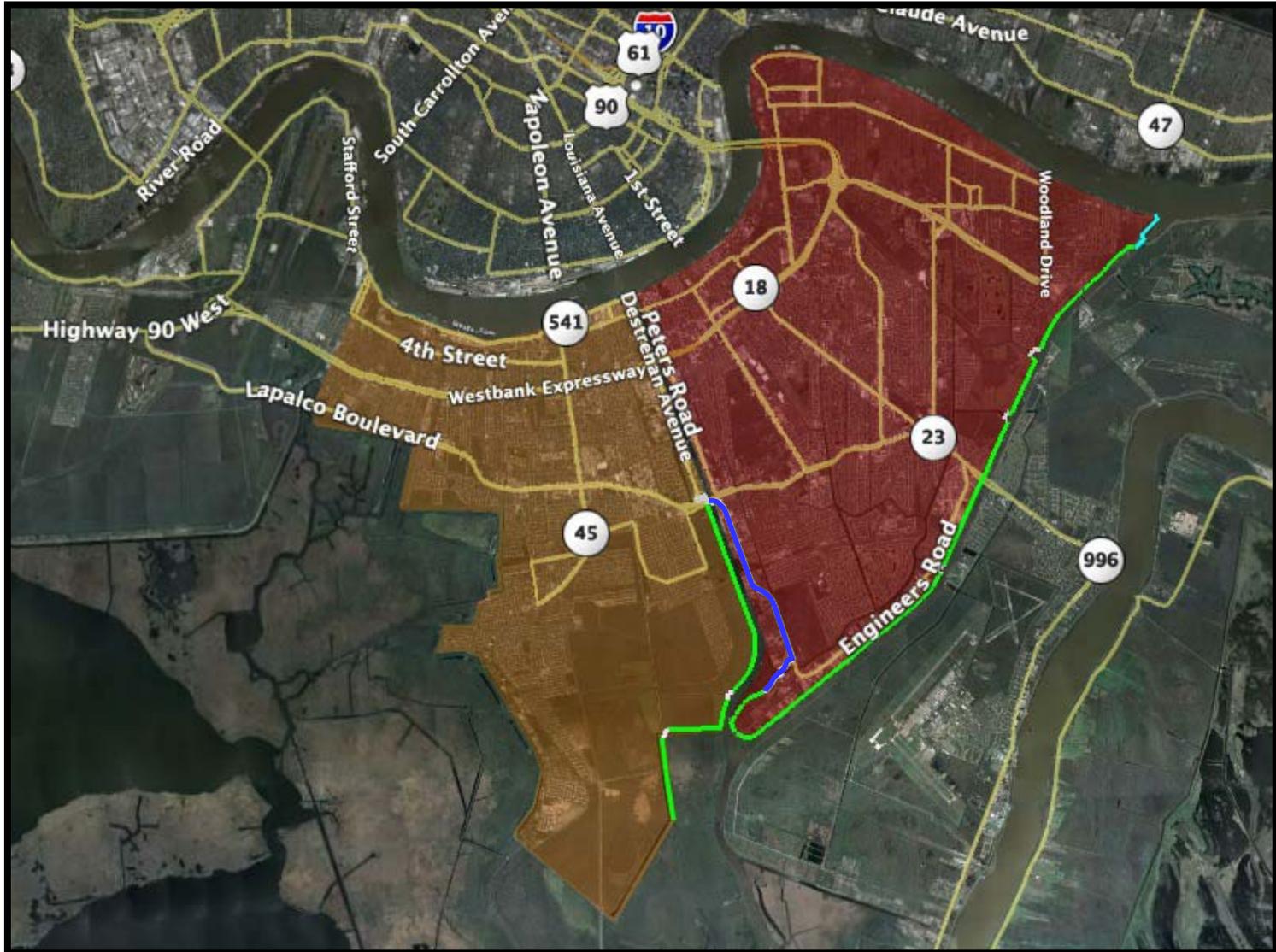
Algiers Canal Levee



- Raise existing levee along the west bank of the Algiers Canal from Hero Cutoff to Belle Chasse Hwy.
- Beginning November 2007, levees will be raised to elevation + 10.

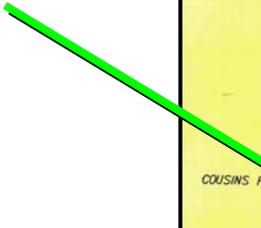
IER 12 Harvey and Algiers Canal

Current project alignment: —— Levee —— Floodwall



Algiers and Harvey Canal Area – 100-Yr Protection

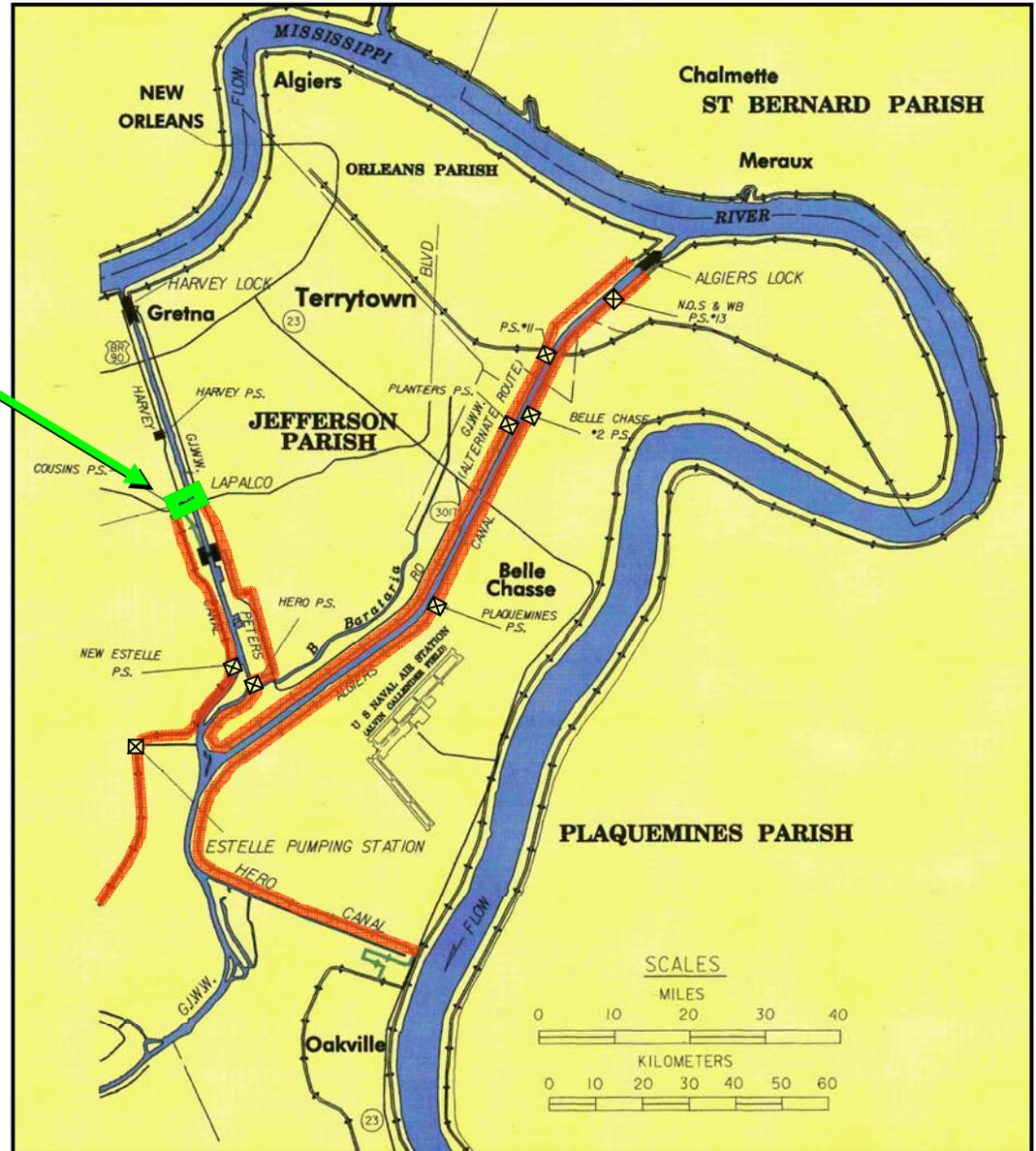
Alternative: Parallel Protection



Lapalco Floodgate
and Cousins PS
Discharge Channel
Walls (raised to provide
100 yr level of protection)



Levees and Floodwalls
at elevation to provide
100 yr level of protection

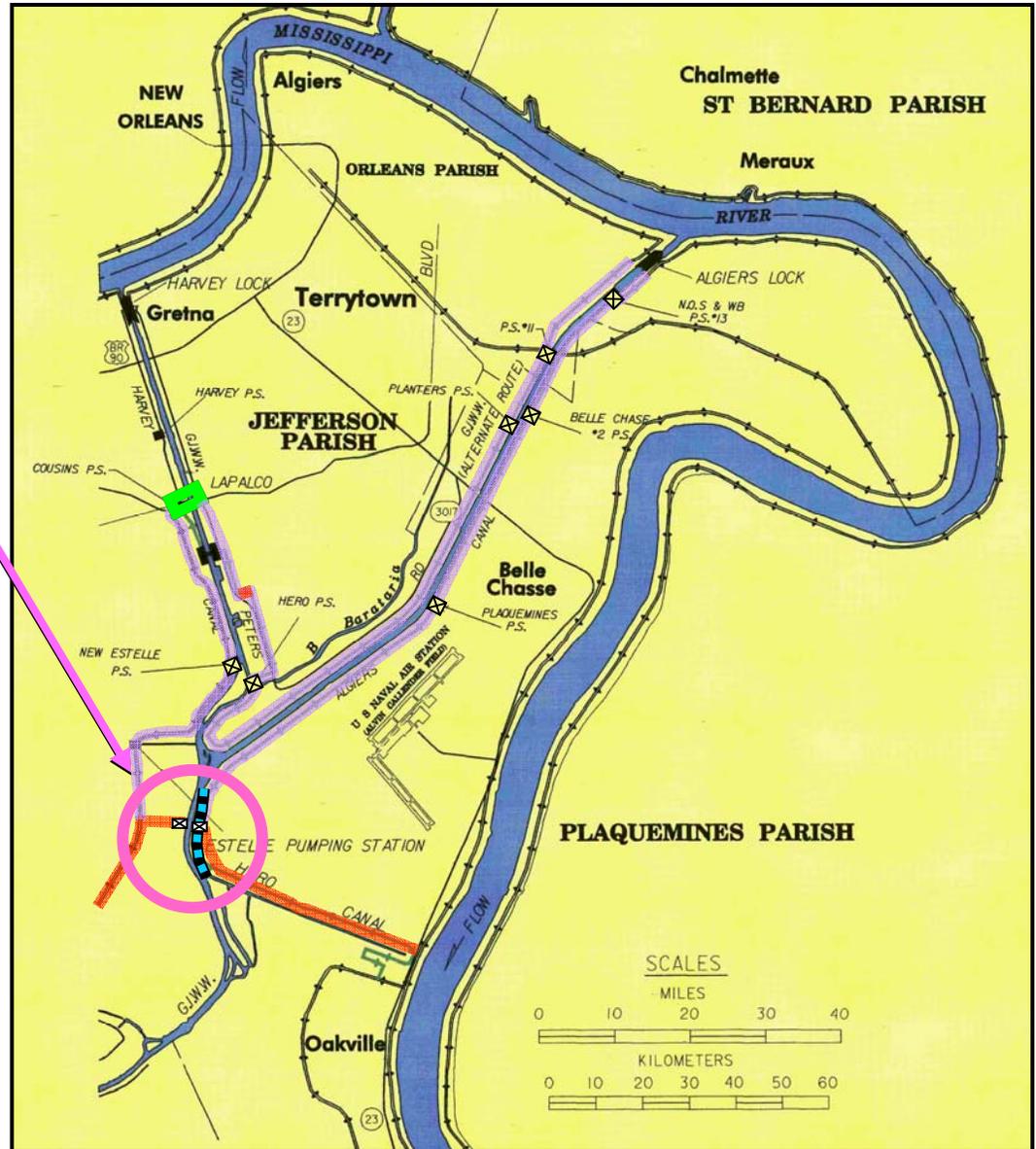


Algiers and Harvey Canal Area – 100-Yr Protection

Alternative: Floodgate on GIWW

Floodgate and permanent bypass channel in the GIWW below the confluence of the Algiers and Harvey Canals to the 100 yr level of protection

-  Lapalco Floodgate and Cousins PS Discharge Channel Walls at previously authorized level of protection
-  Proposed Floodgate and pump station at 100 yr level of protection
-  GIWW permanent bypass channel
-  Levees and Floodwalls to the previously authorized level of protection or greater
-  Levees and Floodwalls to the 100 yr level of protection



Algiers and Harvey Canal Area – 100-Yr Protection

Alternative: Floodgate on Algiers Canal

Sector floodgate in the Algiers Canal to the 100 yr level of protection



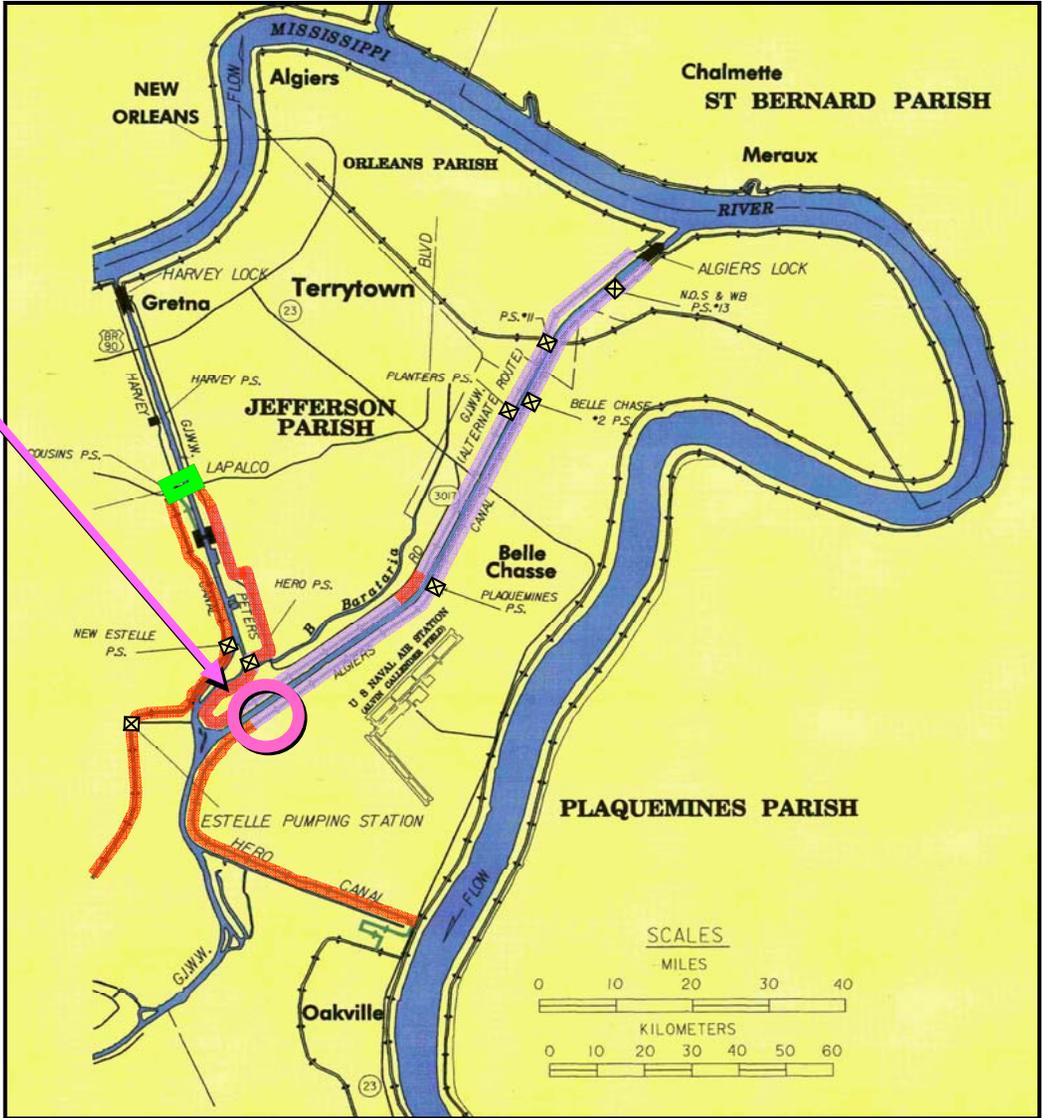
Lapalco Floodgate and Cousins PS Discharge Channel Walls (raised to provide 100 yr level of protection)



Levees and Floodwalls to the previously authorized level of protection



Levees and Floodwalls to the 100 yr level of protection

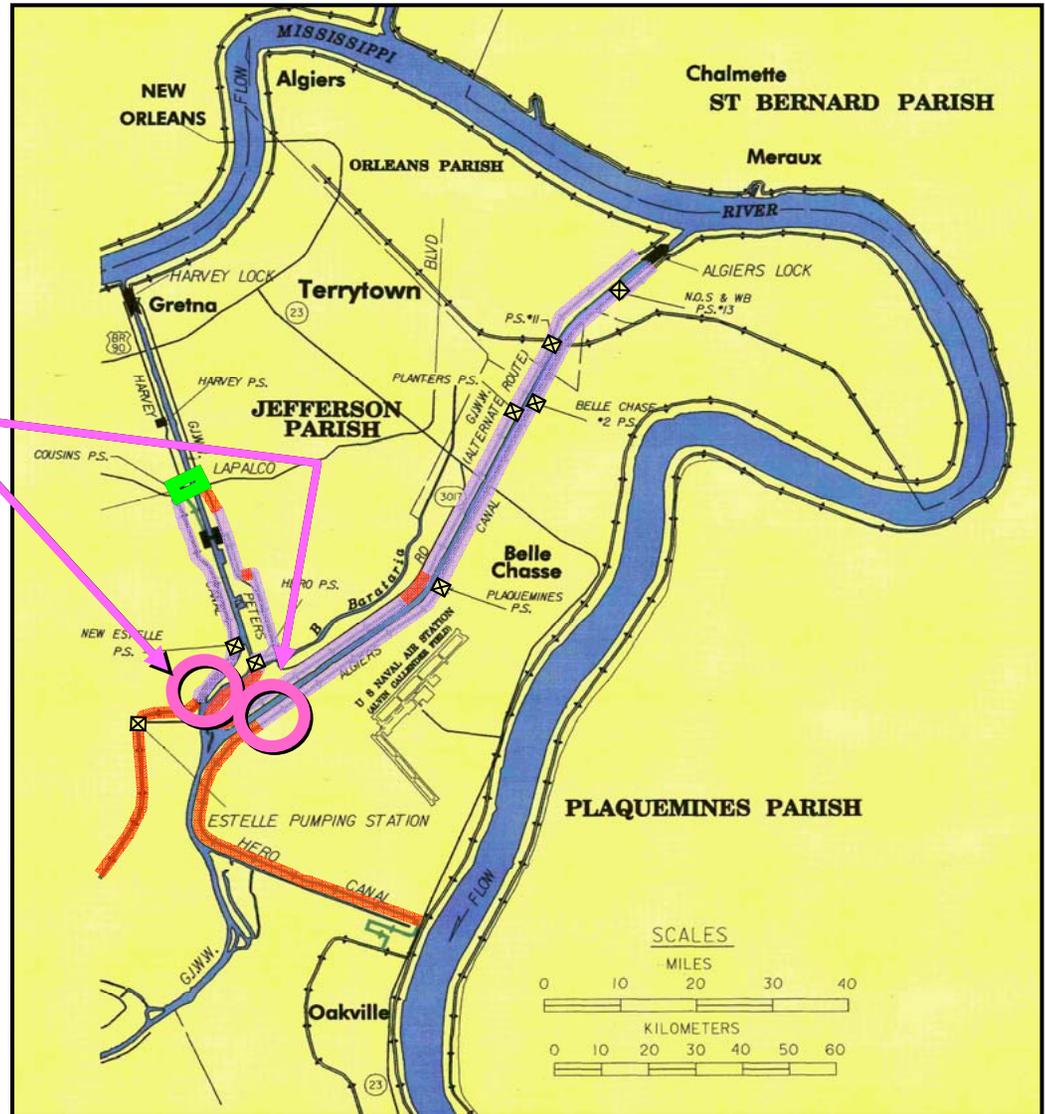


Algiers and Harvey Canal Area – 100-Yr Protection

Alternative: Floodgates on Algiers and Harvey Canals

Sector floodgates in the Harvey and Algiers Canal to the 100 yr level of protection

-  Lapalco Floodgate and Cousins PS Discharge Channel Walls at previously authorized level of protection
-  Levees and Floodwalls to the previously authorized level of protection or greater
-  Levees and Floodwalls to the 100 yr level of protection



IER 13 Hero to Oakville Levees and Floodwalls

Current project alignment: —— Levee —— Floodwall



West Bank and Vicinity Hurricane Protection Project

Hero Canal Levee



Hero to Oakville (eastern tie-in) – 100 Yr Protection

Alternative 1: Floodwalls and Levees Leaving Landfill Exposed and Oakville Protected



Hero to Oakville (eastern tie-in) – 100 Yr Protection

Alternative 2: Floodwalls and Levees Leaving Landfill Exposed and Oakville Protected



Hero to Oakville (eastern tie-in) – 100 Yr Protection

Alternative 3: Floodwalls and Levees Leaving Landfill and Oakville Exposed



Hero to Oakville (eastern tie-in) – 100 Yr Protection Alternative 4: Floodwalls and Levees with Navigation Gate – Landfill and Oakville Protected



West Bank and Vicinity Hurricane Protection Project

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Senior Project Manager
PRO Hurricane Protection Floodwalls

Mike Stack, Jr
Project Manager

Tim Connell
Project Manager

Gib Owen
Hurricane Protection System
Environmental Coordinator

