





**US Army Corps
of Engineers**
New Orleans District

Westbank and Vicinity Project Update

**IER 14, 15, 16, 17 and borrow
100-year protection**

**Greater New Orleans Hurricane and Storm Damage
Risk Reduction System**

Ms. Julie Vignes, Senior Project Manager

Mr. Mike Stack, Project Manager

Jul. 22, 2008

Waggaman, LA



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New Orleans District

Why we are here tonight

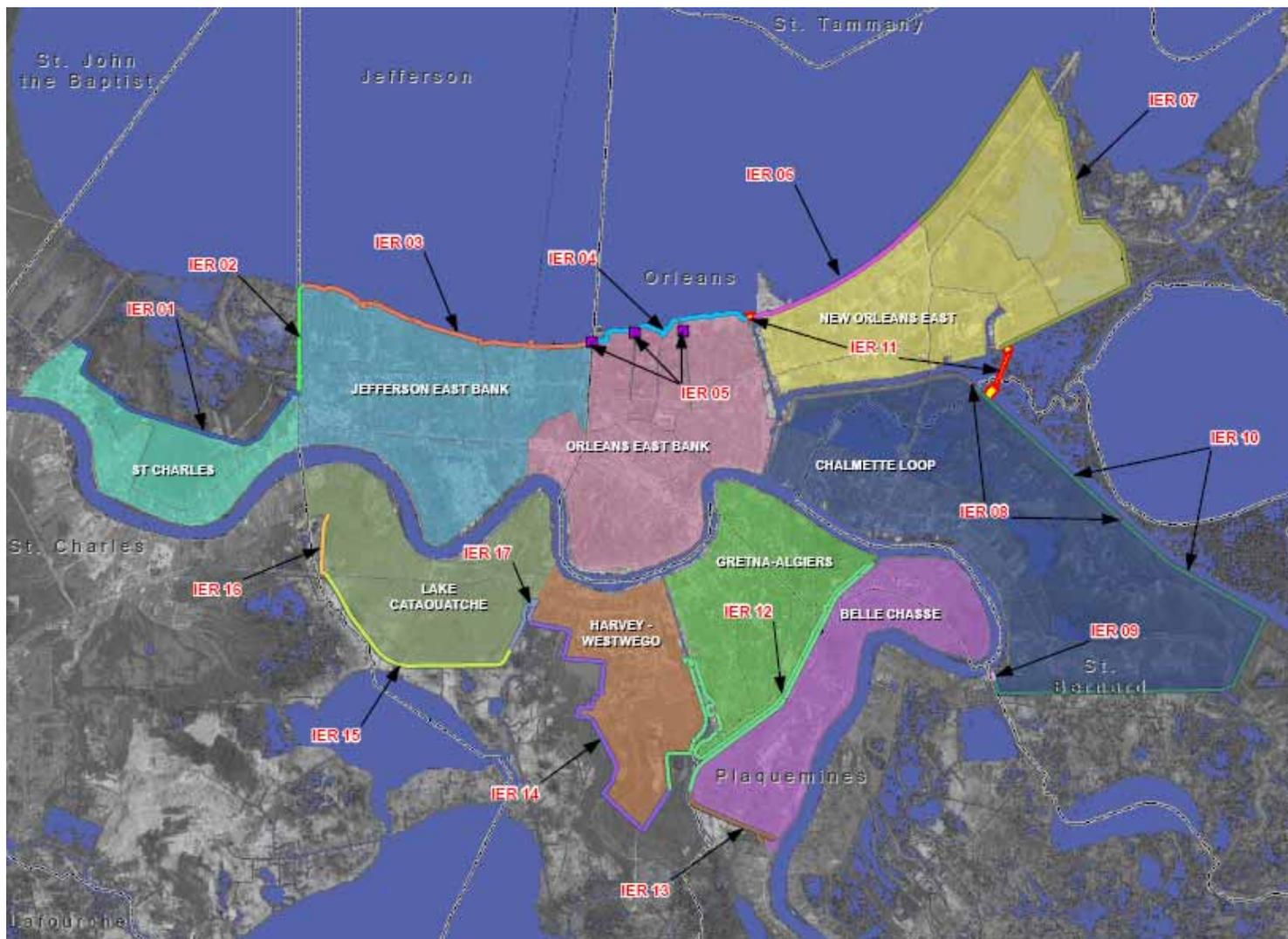
To discuss the status of in-progress improvements, government actions and recommended alternatives that will reduce risk to communities in the Westbank and Vicinity portion of the Greater New Orleans Hurricane and Storm Damage Risk Reduction System.



National Environmental Policy Act: NEPA

- Required of all major federal actions
- Analyze potential impacts to the human and natural environment and investigate reasonable alternatives
- Public Involvement is KEY! We want to hear from you!
- Goal: more informed decision making through public involvement
- Analysis documented in Individual Environmental Reports (IER)

Individual Environmental Report Project Areas





NEPA Process and Path Ahead

- **The NEPA process began with public scoping meetings for IER 14, 15, 16 and 17 in March 2007**
- **From March 2007 through today, current project alternatives were developed, impacts were analyzed, and public input was solicited**
- **The Decision Record for IER 15, Lake Cataouatche Levee, was signed by COL Lee on Jun. 12, 2008**
- **IER 14, is currently available for public review.**
 - **Public Review Period is Jun. 30, 2008 to Aug. 4, 2008**
 - **Final Decision is anticipated Aug. 13, 2008**

NEPA Process and Path Ahead

- **IER 16 will be available for public review in Aug/Sept 2008**
- **IER 17 will be available for public review in Aug. 2008**
- **COL Lee will make final decisions on the recommended alternatives shortly after the public review period ends**



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Ongoing Construction Lake Cataouatche

- Borrow site excavation and material placement
- Contract WBV 18.1 is from Lake Cataouatche Pump Station to Hwy 90, awarded Nov. 9, 2006
- Contract WBV 15b.1 is the Lake Cataouatche Pump Station awarded Sept. 21, 2007. Construction is complete.





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Ongoing Construction Lake Cataouatche

- Borrow material processing to allow for placement into the levee section
- Contract WBV 15a.1 is from Segnette State Park to Lake Cataouatche Pump Station, awarded Jul. 27, 2007
- Contract WBV 17b.1 is the northern most end of the reach in the vicinity of Hwy 90, awarded Mar. 19, 2008

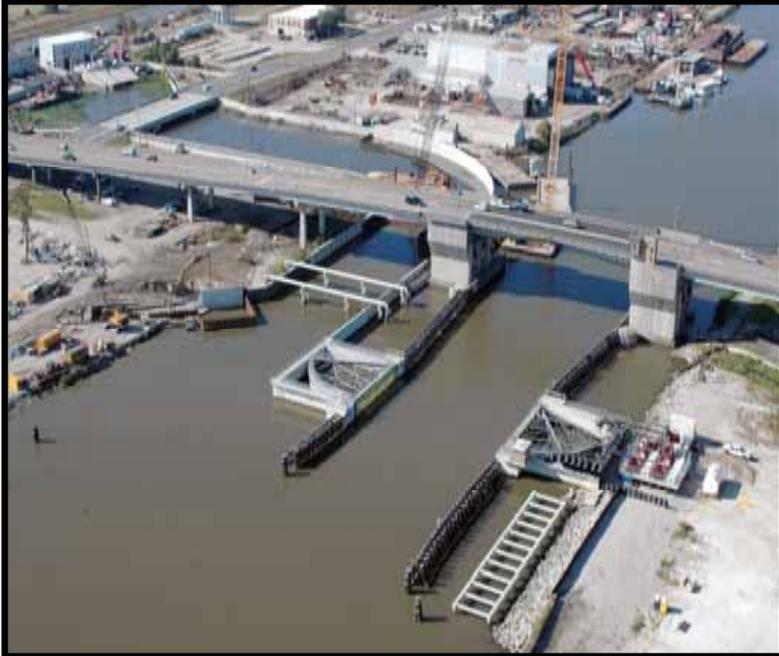




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Ongoing Construction

Harvey Floodgate



- Harvey Floodgate operational
- Provides protection across canal to elevation +11

Harvey Floodwalls



- Boomtown Casino to Hero Pump Station awarded Mar. 2007
- Lapalco to Boomtown awarded Feb. 2008
- Hero Pump Station awarded Jul. 2008
- Boomtown Floodwall Awarded Jul. 2008
- 1 Remaining Task Order to be awarded in Sept. 2008



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Ongoing Construction Company Canal

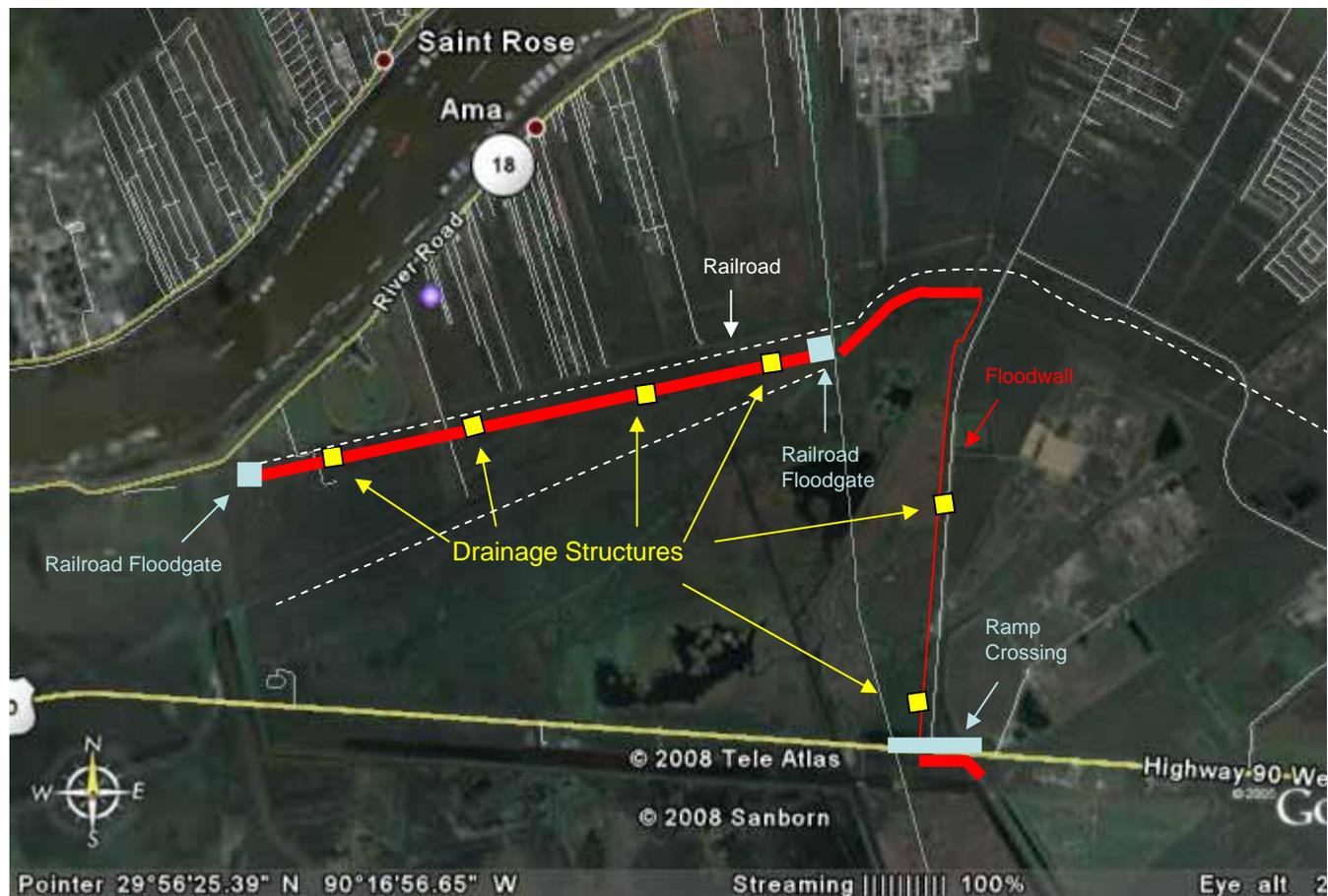
- Company Canal interim barge gate currently operational
- Provides protection across canal to elevation +9



Lake Cataouatche Western Tie In (IER 16)

Alternative 1

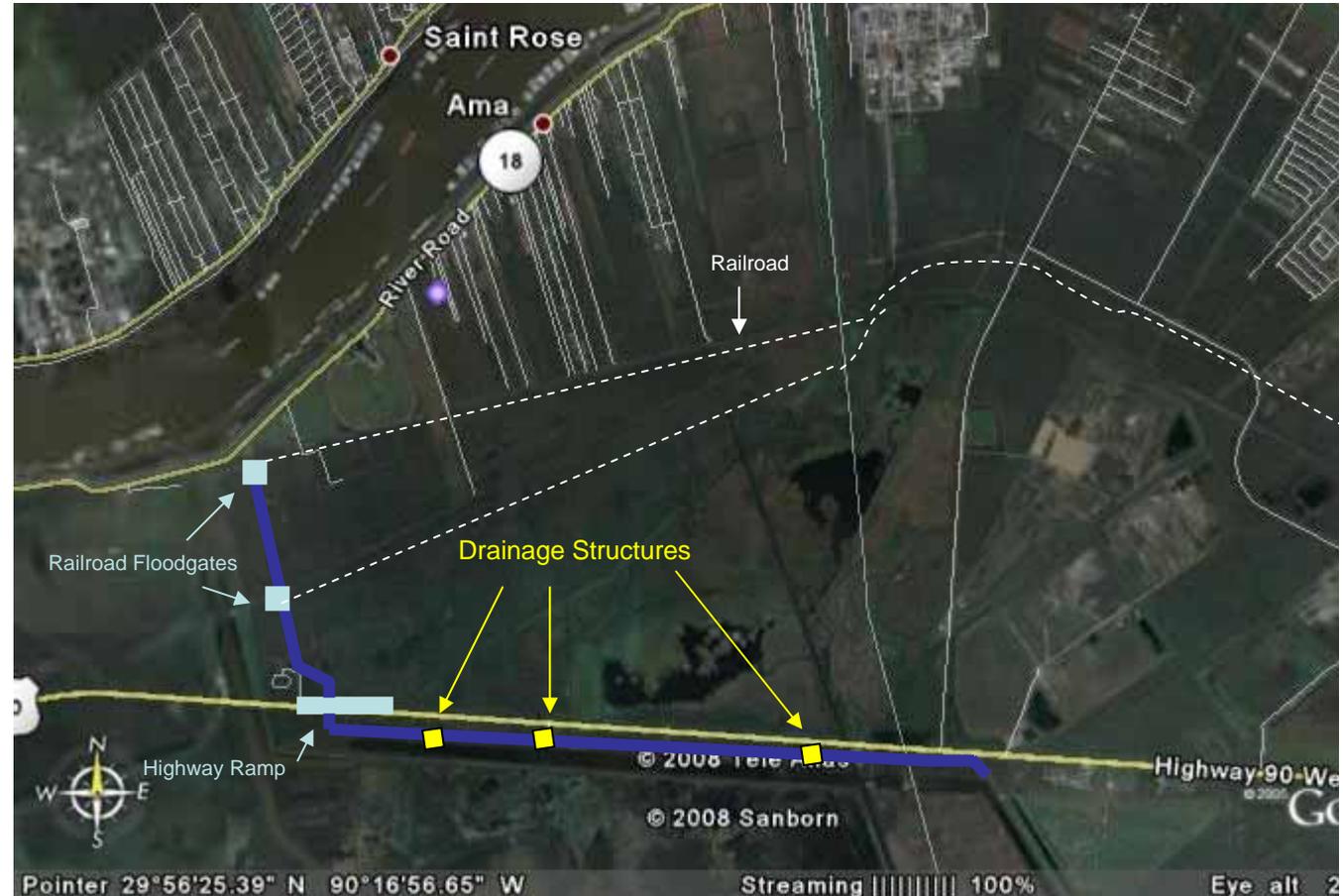
- Ties into existing Lake Cataouatche Levee
- Includes Hwy 90 crossing, levee and T-wall sections along South Kenner Ave
- Includes levee south of railroad with gates and drainage structures tying into improved Davis Pond Guide Levee.



Lake Cataouatche Western Tie In (IER 16)

Alternative 2

- Ties into existing Lake Cataouatche Levee
- Includes levee parallel to and South of Hwy 90, drainage structure, Hwy 90 crossing
- Ties into improved Davis Pond Guide Levee.

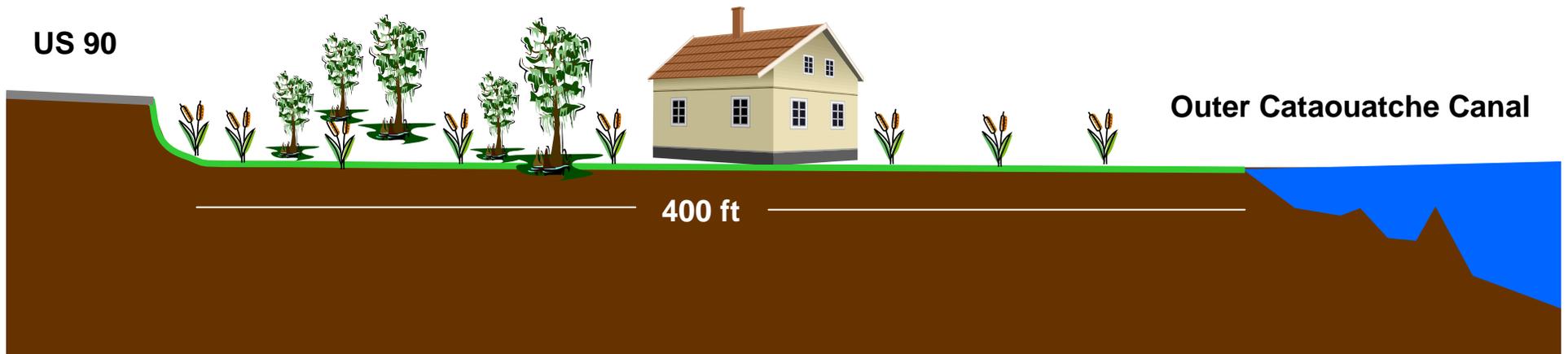




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Lake Cataouatche Western Tie In (IER 16)

Alternative 2 East/West Levee Alignment Existing Landscape



Not to Scale

One Team: Relevant, Ready, Responsive and Reliable

Lake Cataouatche Western Tie In (IER 16)

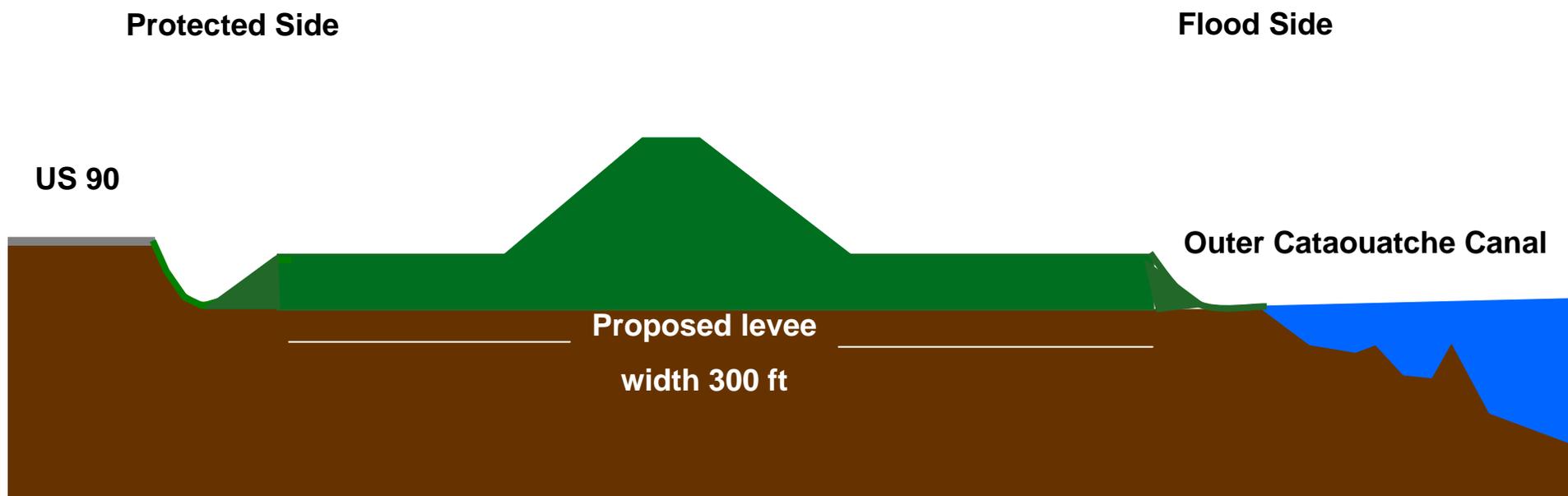
Alternative 2 East/West Levee Proposed Alignment



Not to Scale

Lake Cataouatche Western Tie In (IER 16)

Alternative 2 Post Construction East/West Levee Proposed Alignment



Not to Scale

Lake Cataouatche Western Tie In (IER 16)

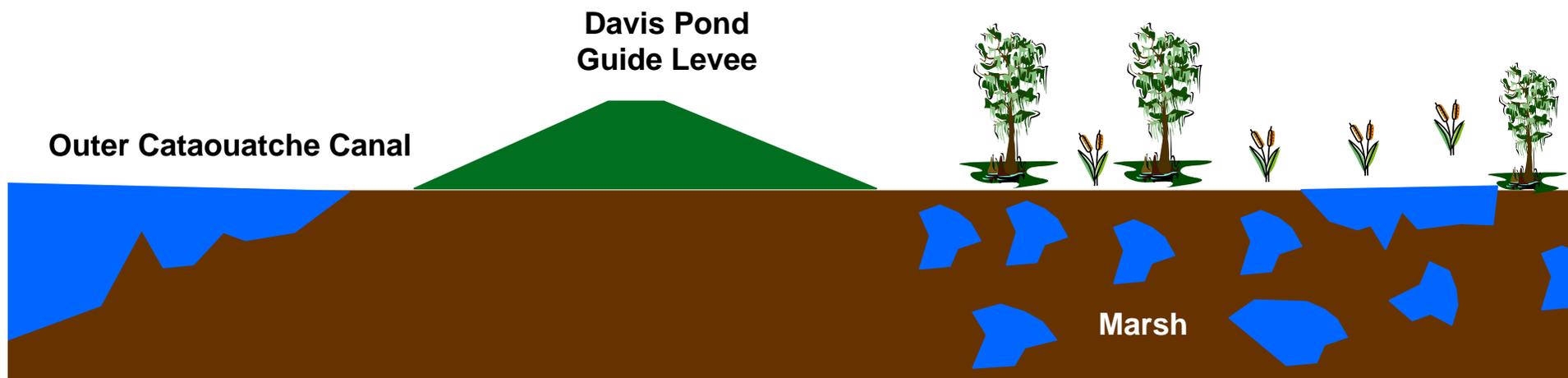
Alternative 3

- Ties into existing Lake Cataouatche Levee
- Includes levee parallel to and South of Hwy 90
- Includes navigable drainage structure
- Hwy 90 crossing, and ties into improved Davis Pond Guide Levee.



Lake Cataouatche Western Tie In (IER 16)

Alternative 3 East/West Levee Alignment Existing Landscape



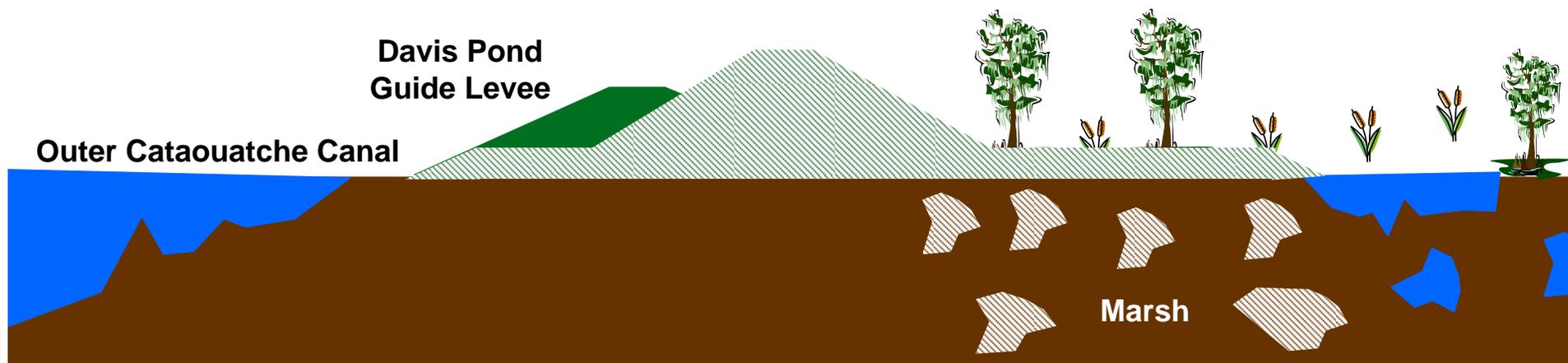
Not to Scale

Lake Cataouatche Western Tie In (IER 16)

Alternative 3 East/West Levee Proposed Alignment

Protected Side

Flood Side



Not to Scale

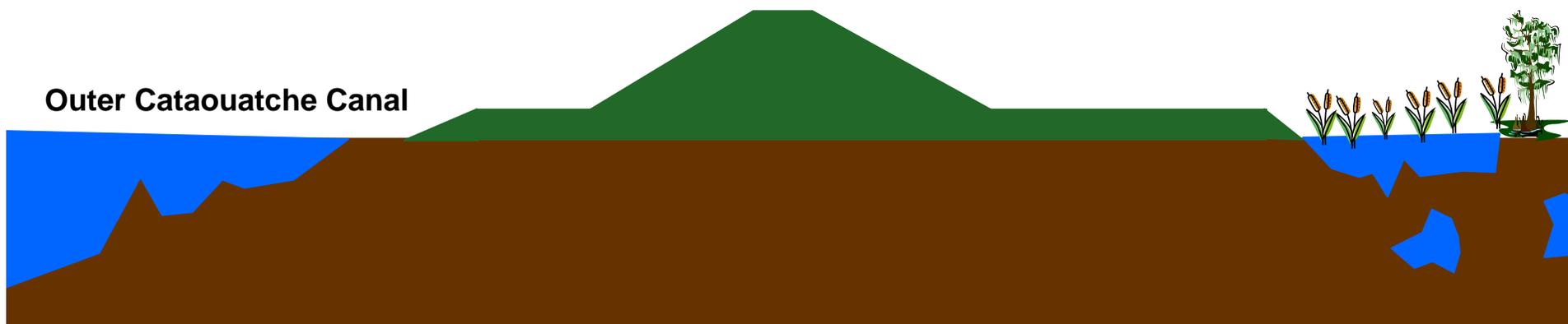


Lake Cataouatche Western Tie In (IER 16)

Alternative 3 Post Construction East/West Levee Alignment

Protected Side

Flood Side



Not to Scale

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Lake Cataouatche Western Tie In (IER 16)

Currently undergoing an engineering analysis of 3 alternative alignments

Alternative 1

Alternative 2

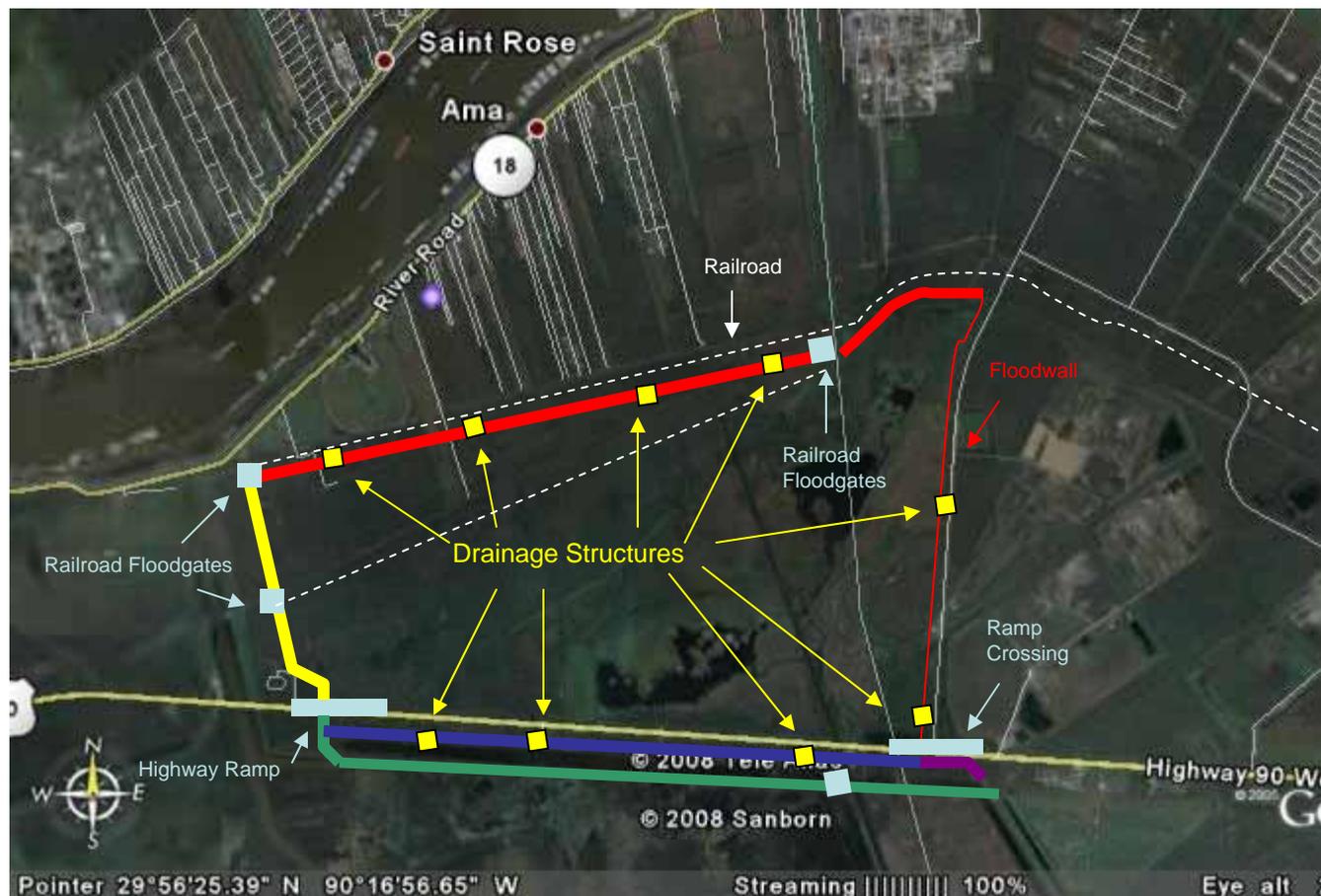
Alternative 3

Common to Alt. 2 / 3

Common to Alt. 1 / 2

■ Floodgate

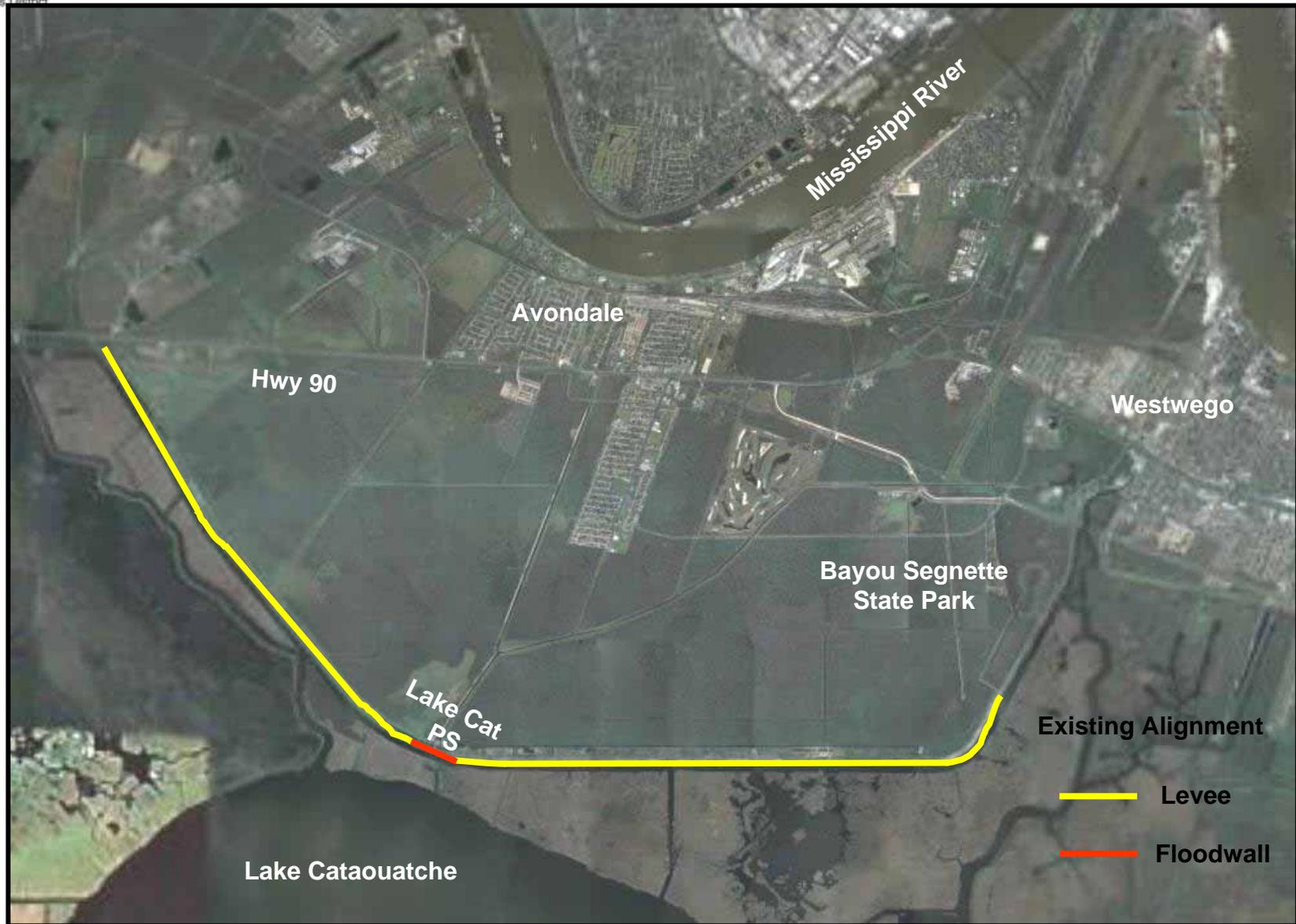
■ Drainage Structure





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Lake Cataouatche Area (IER 15)

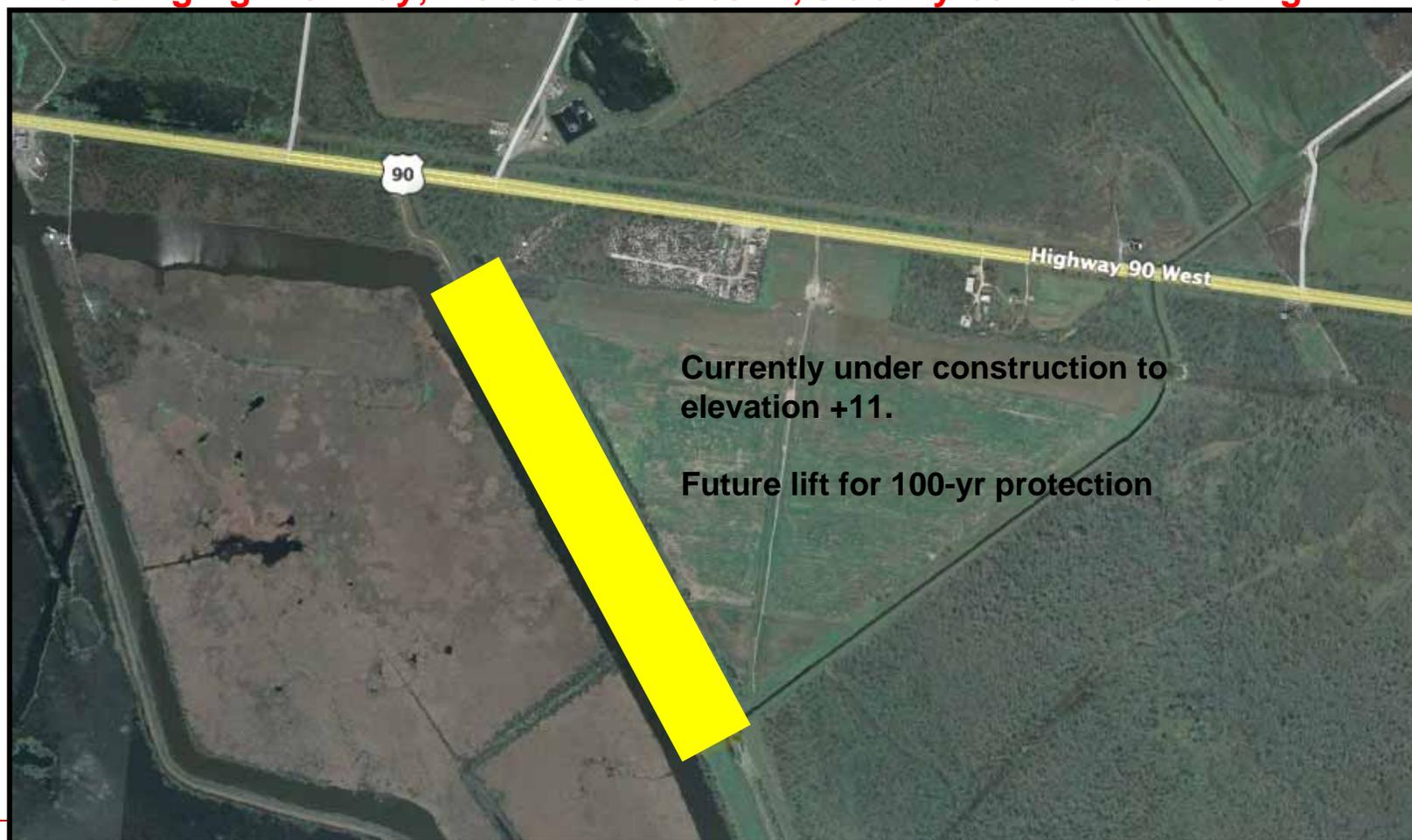


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WBV-17b.2 Sta 160+00 to Hwy 90 Levee Enlargement (IER 15)

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

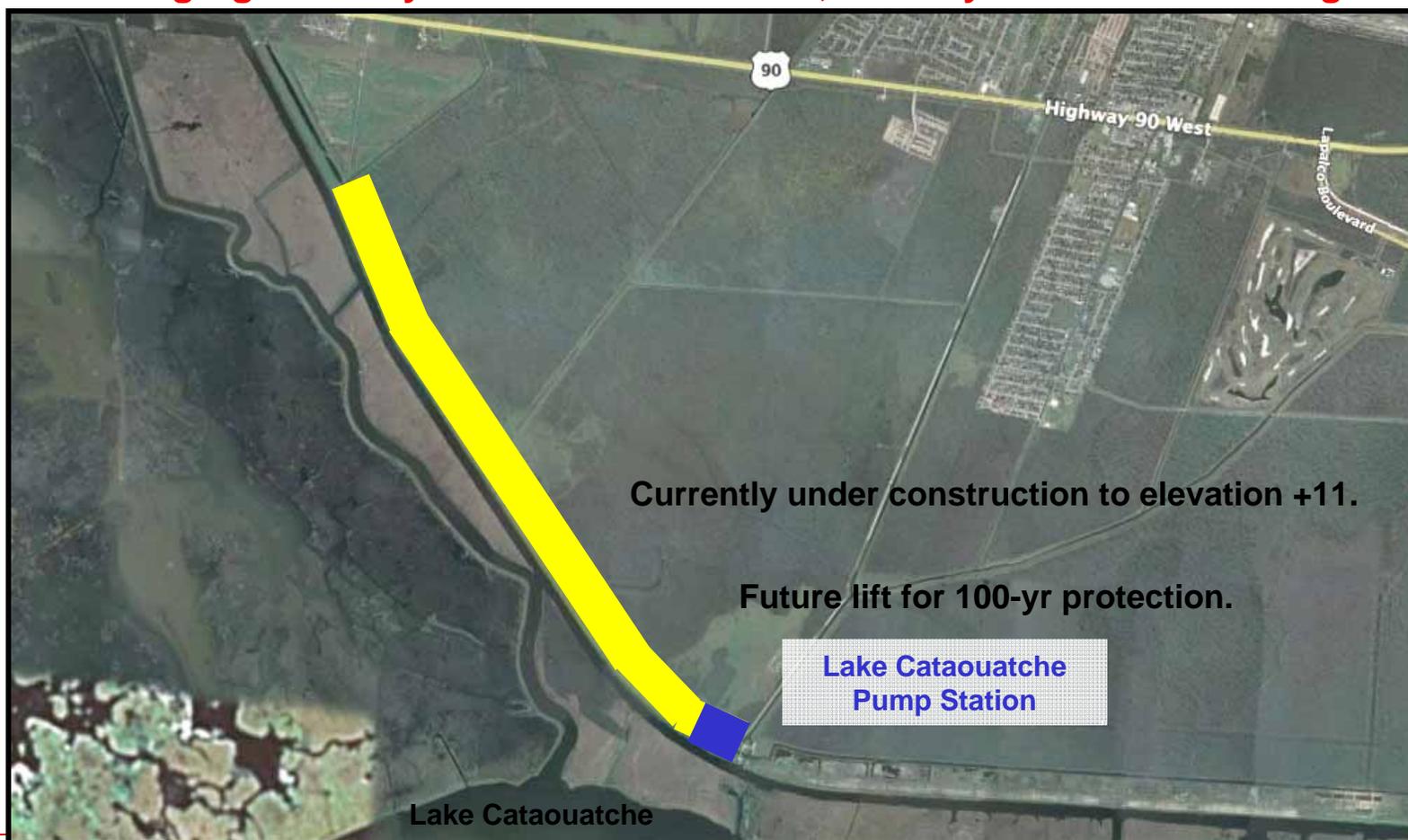
Government Action for 100-yr protection: Earthen levee section to elevation +15.5 within existing right-of-way; includes wave berm, stability berm and armoring



WBV-18.2 Lake Cataouatche Pump Station to Hwy 90 Levee Enlargement (IER 15)

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

Government Action for 100-yr protection: Earthen levee section to elevation +15.5 within existing right-of-way. Includes wave berm, stability berm and armoring



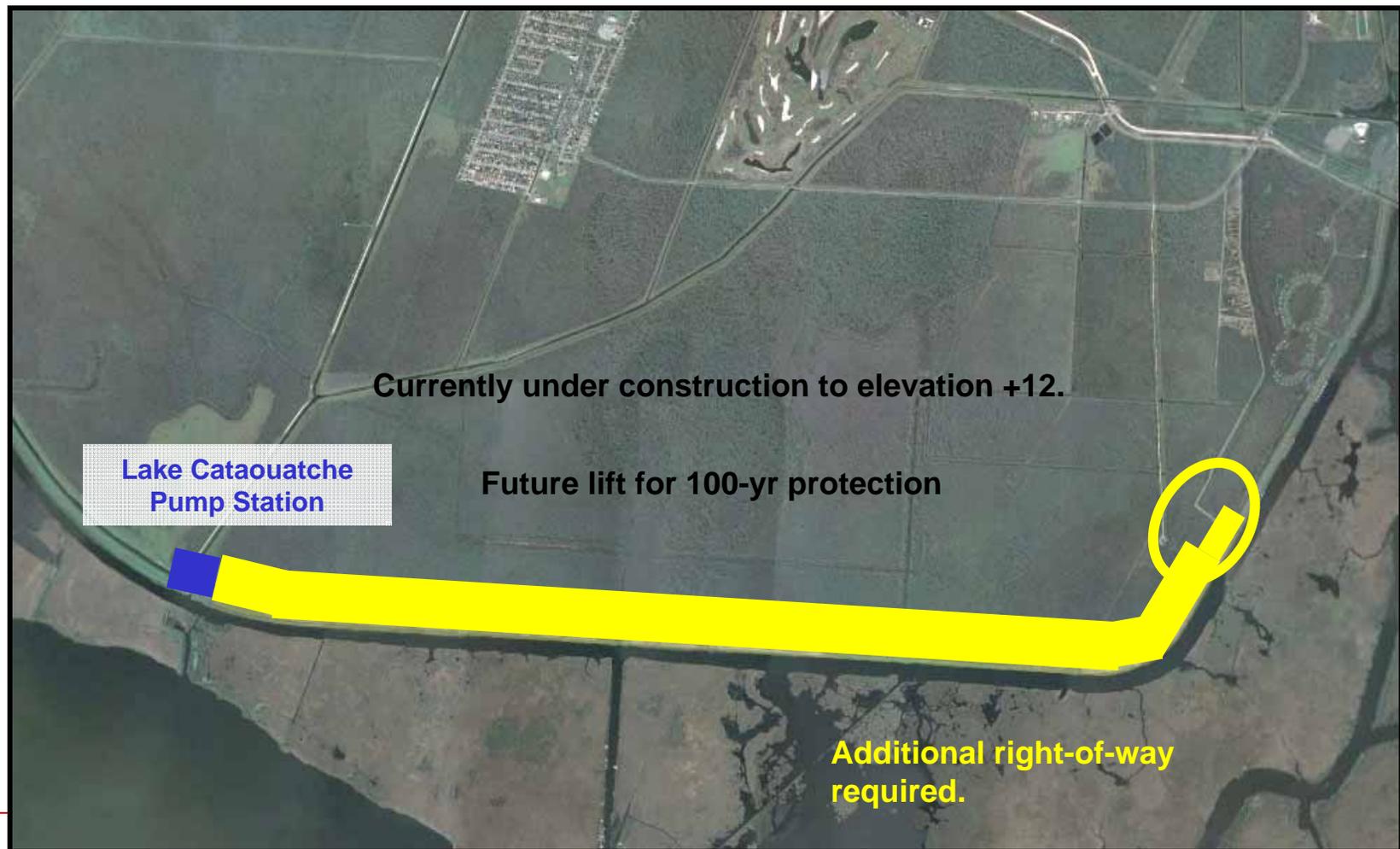


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WBV-15a.2 Lake Cataouatche Pump Station of Segnette State Park Levee Enlargement (IER 15)

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

**Government Action for 100-yr protection - Earthen levee section to elevation +15.5.
Includes wave berm, stability berm and armoring. Minimal additional right of way required**





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Bayou Segnette and Company Canal (IER 17)

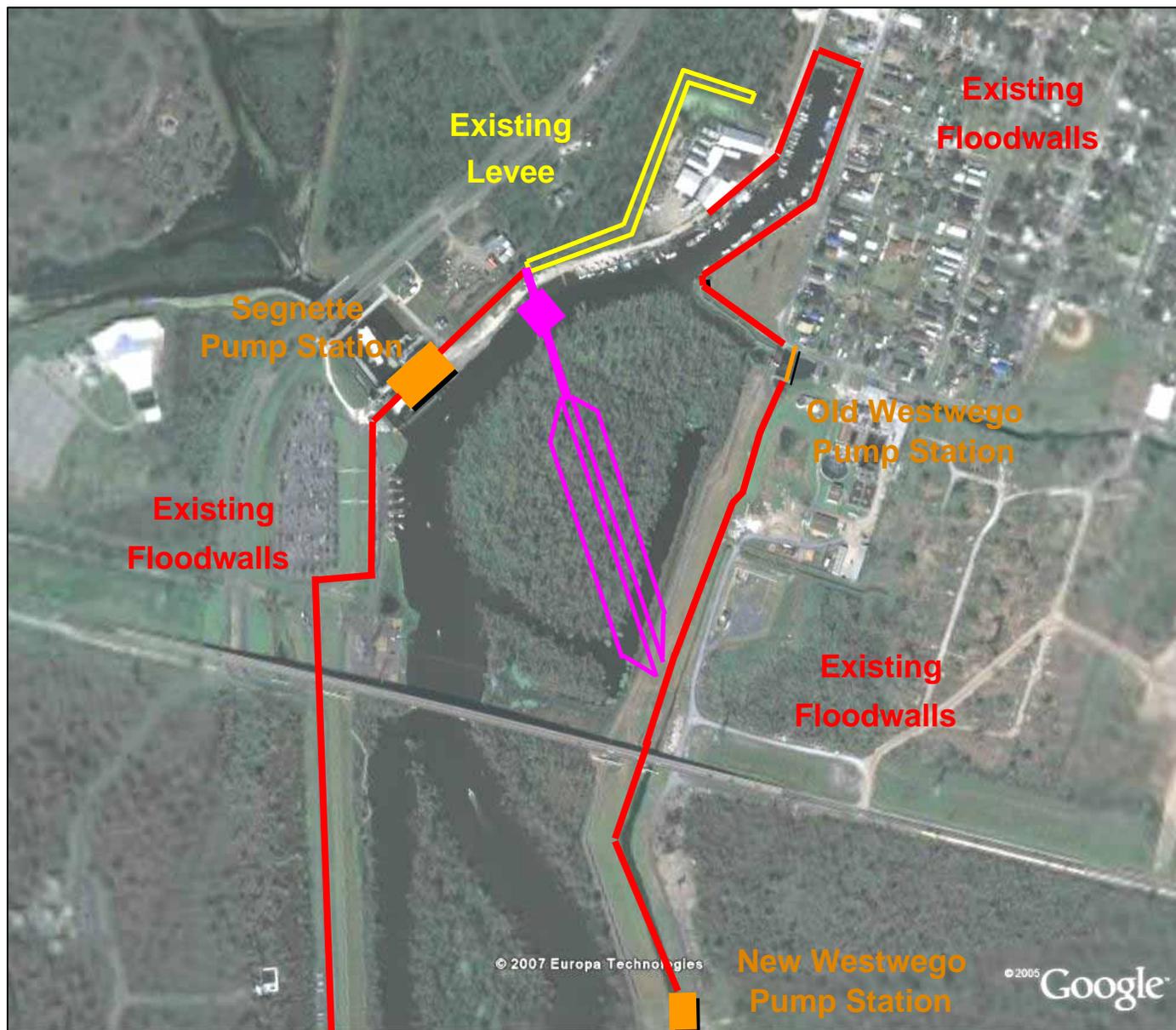
Currently undergoing an engineering analysis of 4 alternative alignments and completing environmental compliance (IER 17)



Bayou Segnette and Company Canal (IER 17)

Alternative 2

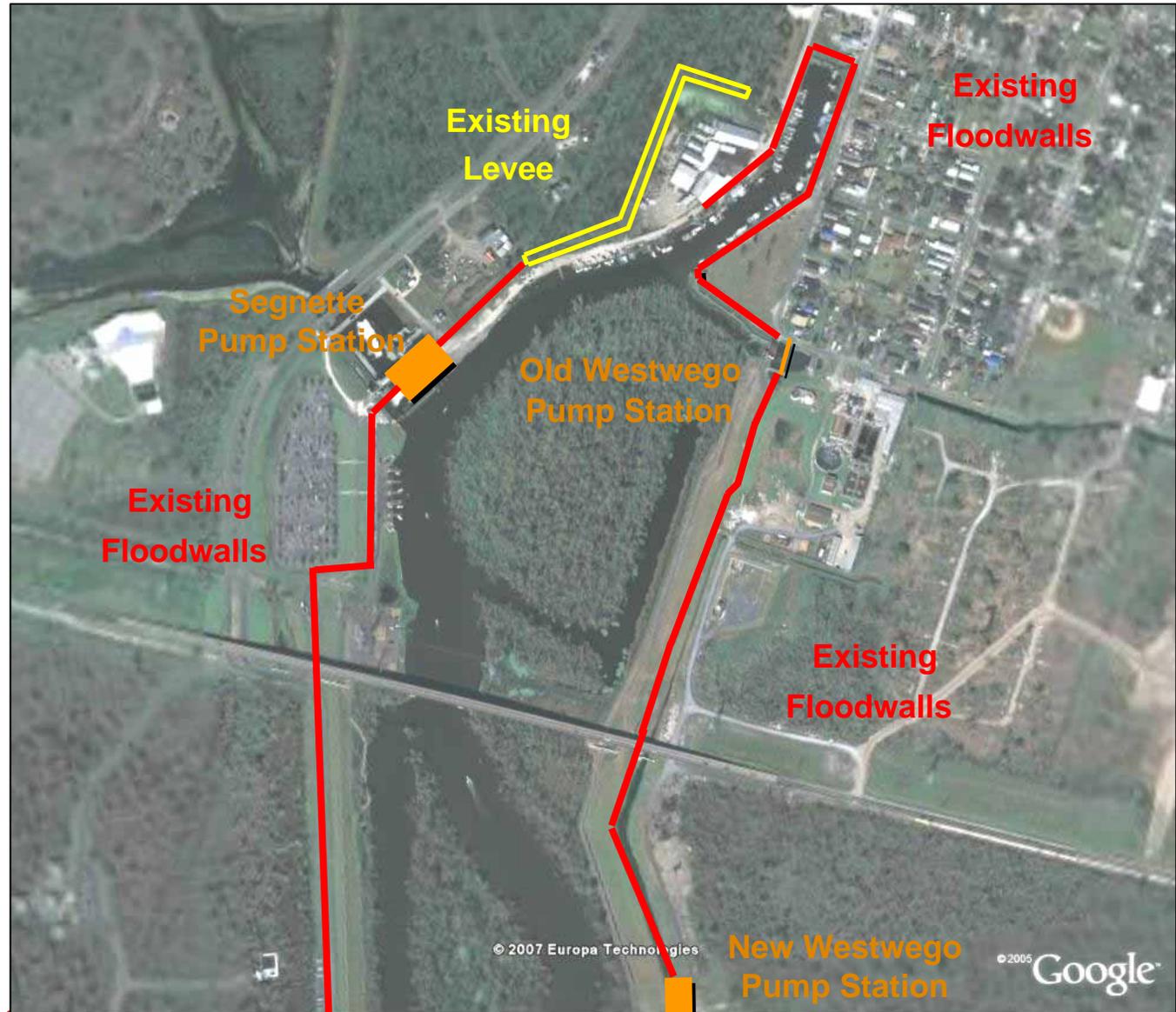
- **Recommended Alternative**
- Permanent Sector Gate
- Earthen Closure



Bayou Segnette and Company Canal (IER 17)

Alternative 1

- Replace existing levees and floodwalls
- Fronting protection at Pump Stations



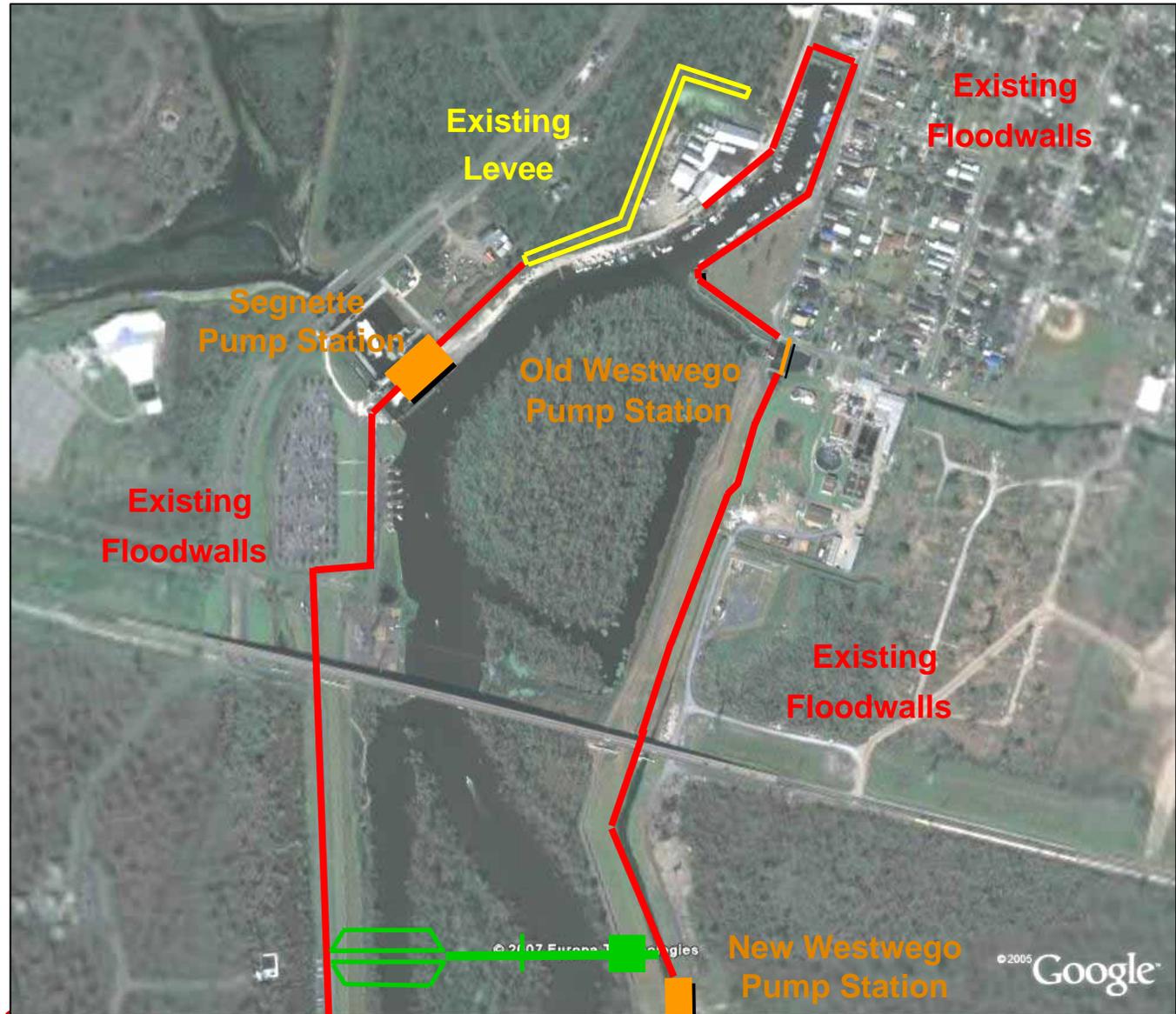


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Bayou Segnette and Company Canal (IER 17)

Alternative 3

- Permanent Sector Gate
- Pump Station
- Earthen Closure



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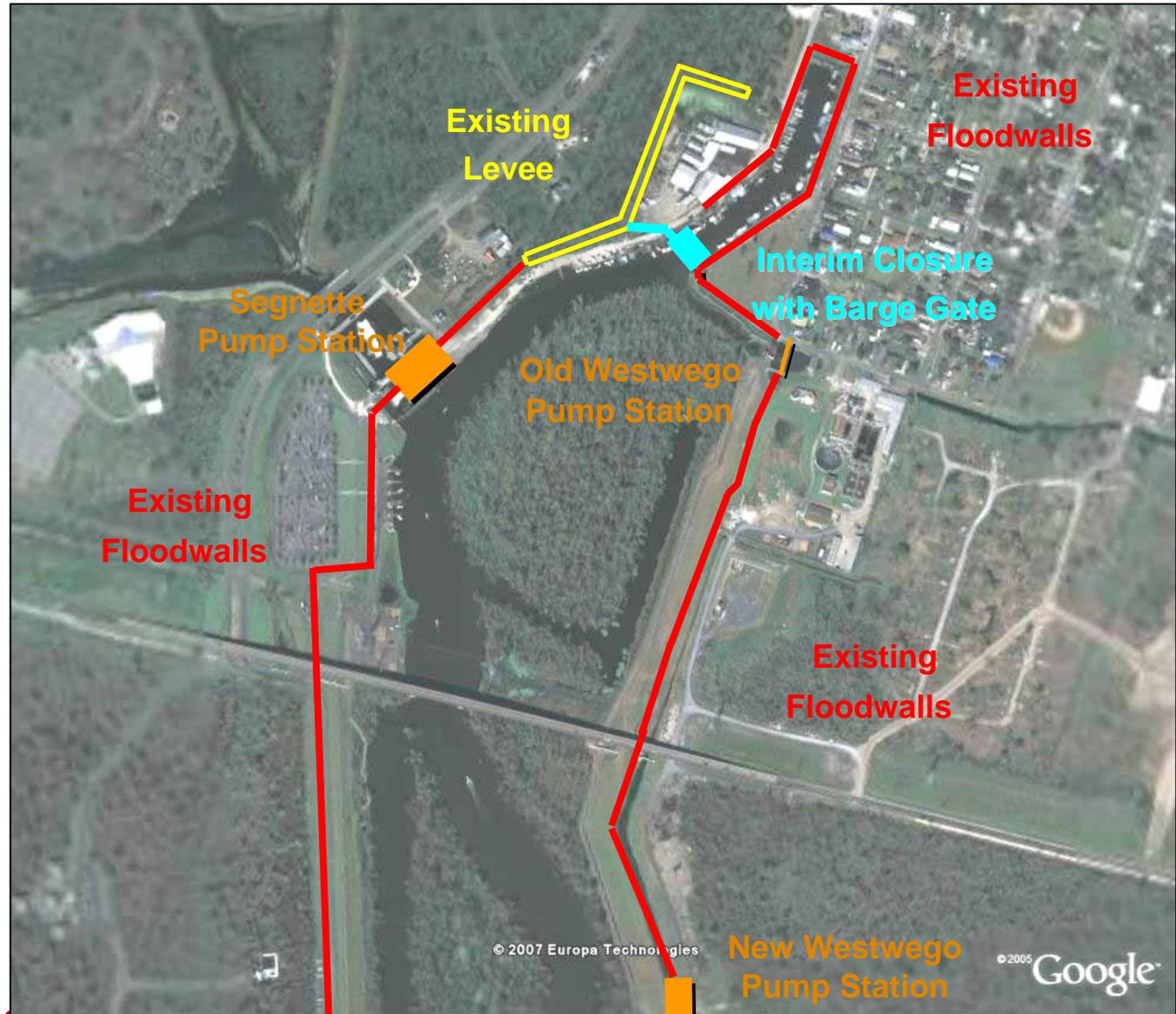


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Bayou Segnette and Company Canal (IER 17)

Alternative 4

- Permanent Sector Gate
- Earthen Closure



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Westwego to Harvey Levees and Floodwalls (IER 14)



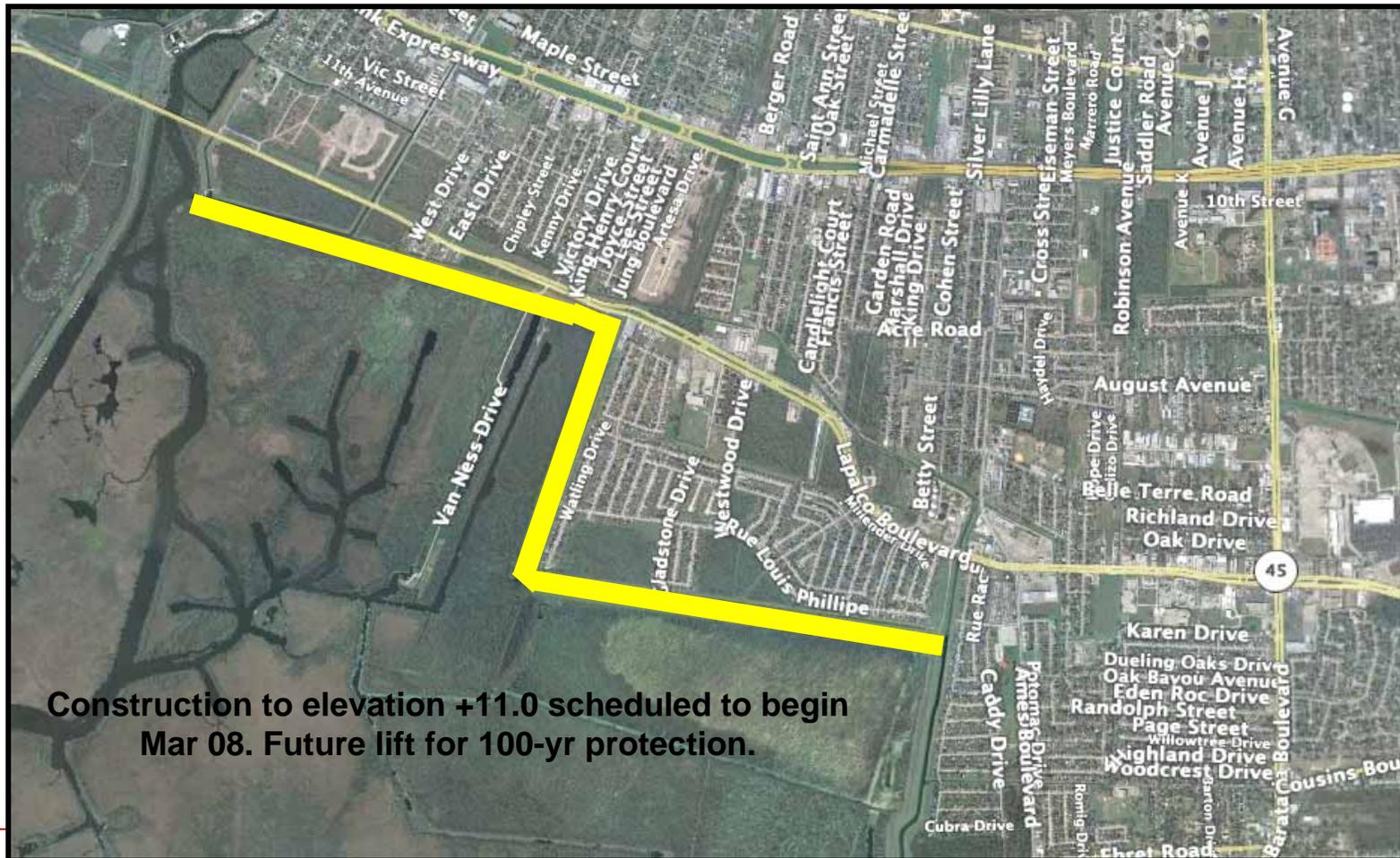


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WBV-14c.2 New Westwego Pump Station to Orleans Village Levee Enlargement

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

Recommended plan for 100-yr protection: Earthen levee section to elevation +14 within existing right of way. May require geotextile fabric and/or soil mixing





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

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

Recommended plan for 100-yr protection: Earthen levee section to elevation +14 within existing right of way. May require geotextile fabric and/or soil mixing



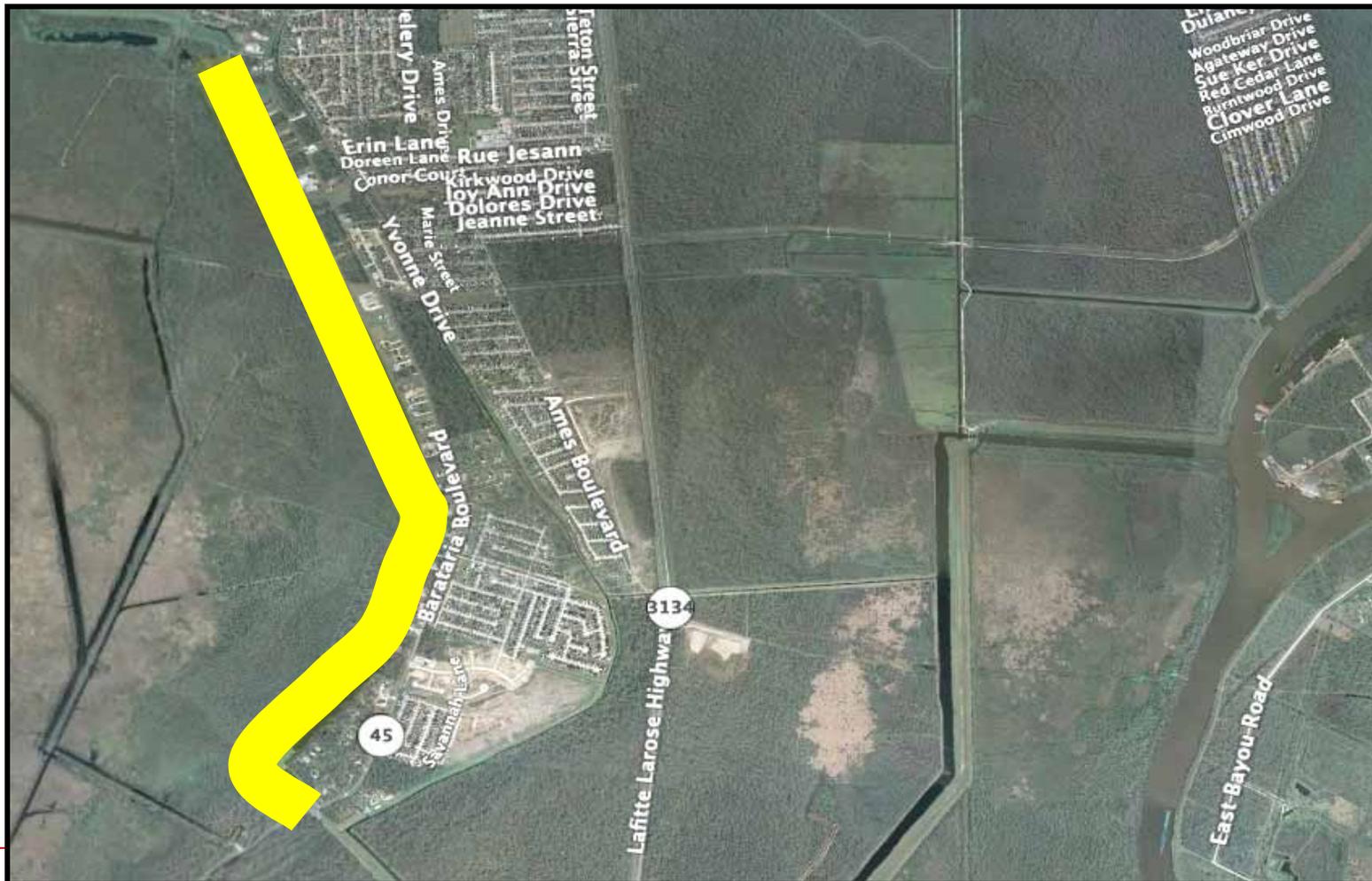


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WBV-14f.2 Hwy 45 Levee Enlargement

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

Recommended plan for 100-yr protection: Earthen levee section to elevation +14 within existing right of way. May require geotextile fabric and/or soil mixing



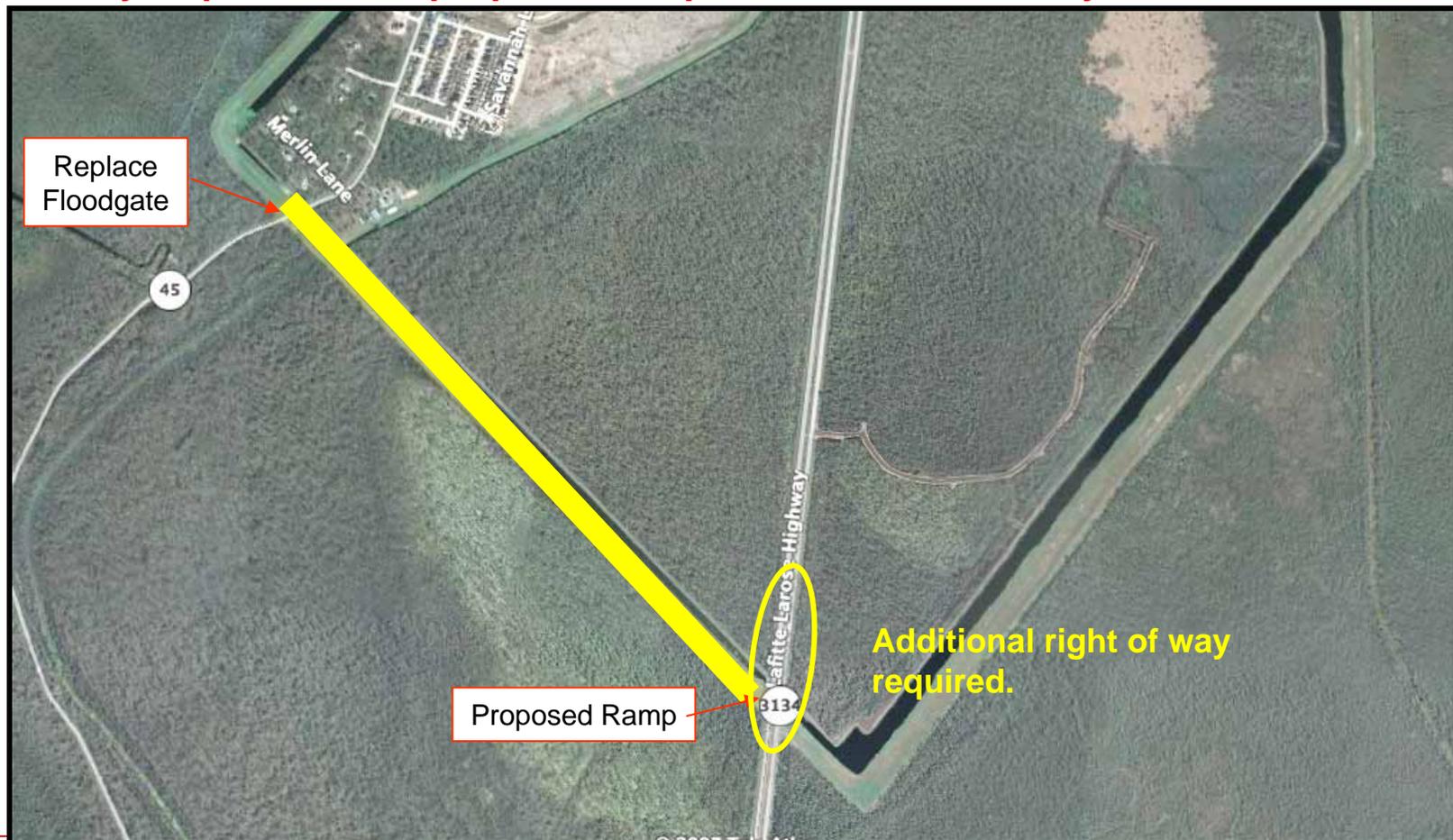


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WBV-14d V Line Floodwall

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

Recommended plan for 100-yr protection: Replace I-Wall with New Floodwall; includes ramp at Lafitte Larose Hwy and replacing the floodgate at Hwy 45. Minimal additional right of way required at the proposed ramp at Lafitte Larose Hwy.



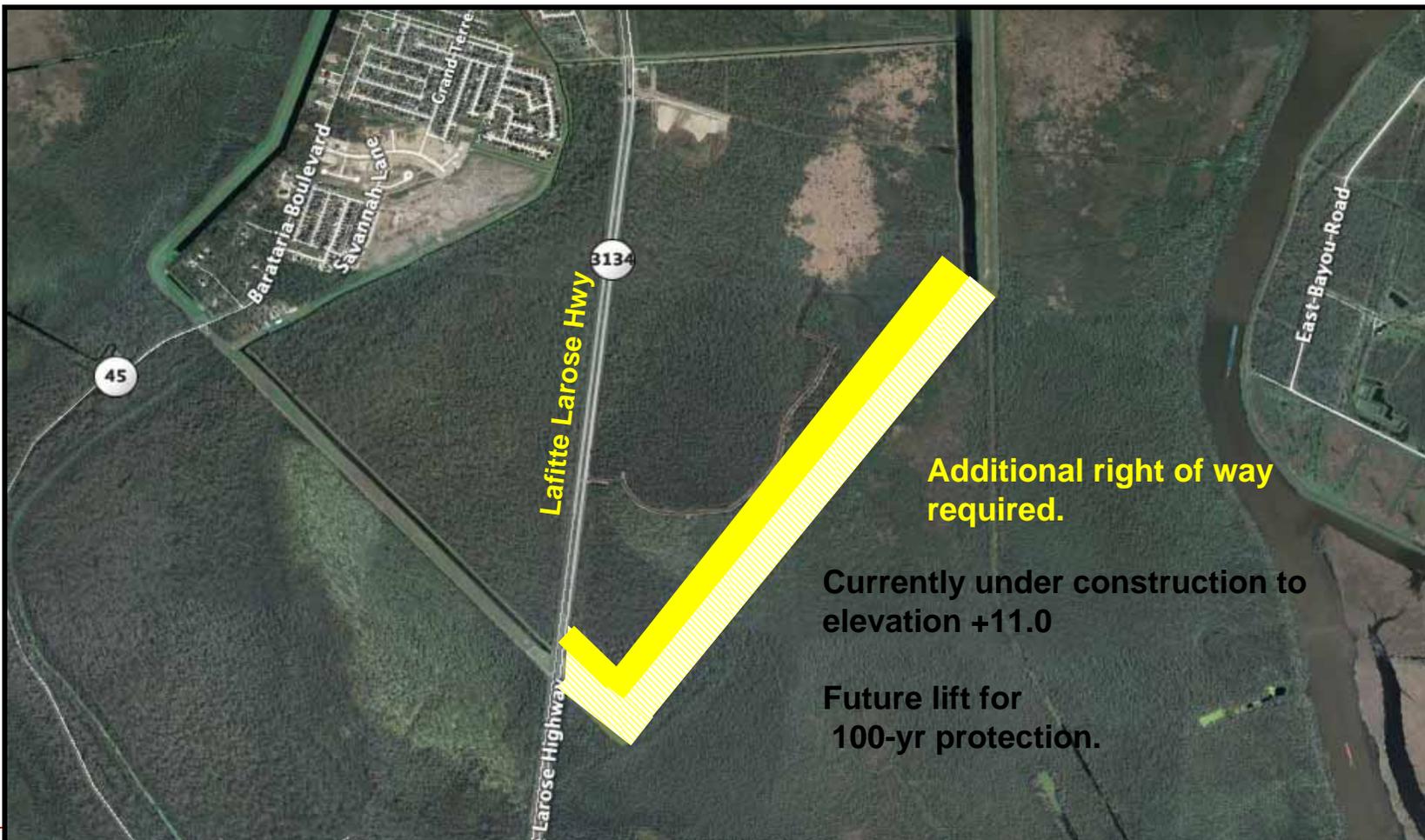


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WBV-14e.2 V Line Levee East of Vertex Levee Enlargement

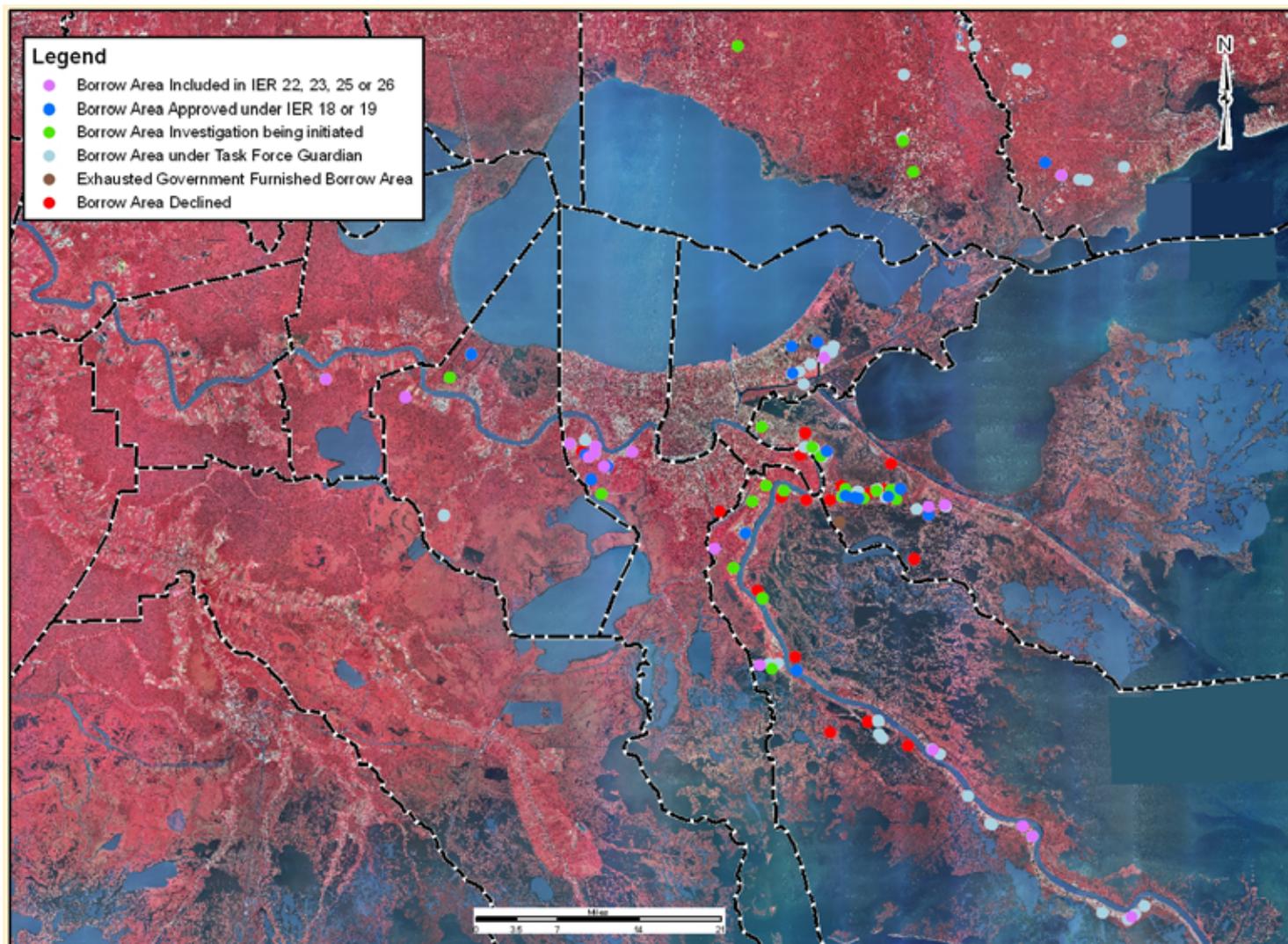
Alternatives Considered: Levee Enlargement (straddle, landside or floodside shift) and floodwalls

Recommended plan for 100-yr protection: Earthen levee section (landside shift) to elevation +14. May require relocation of drainage canal, geotextile fabric and/or soil mixing



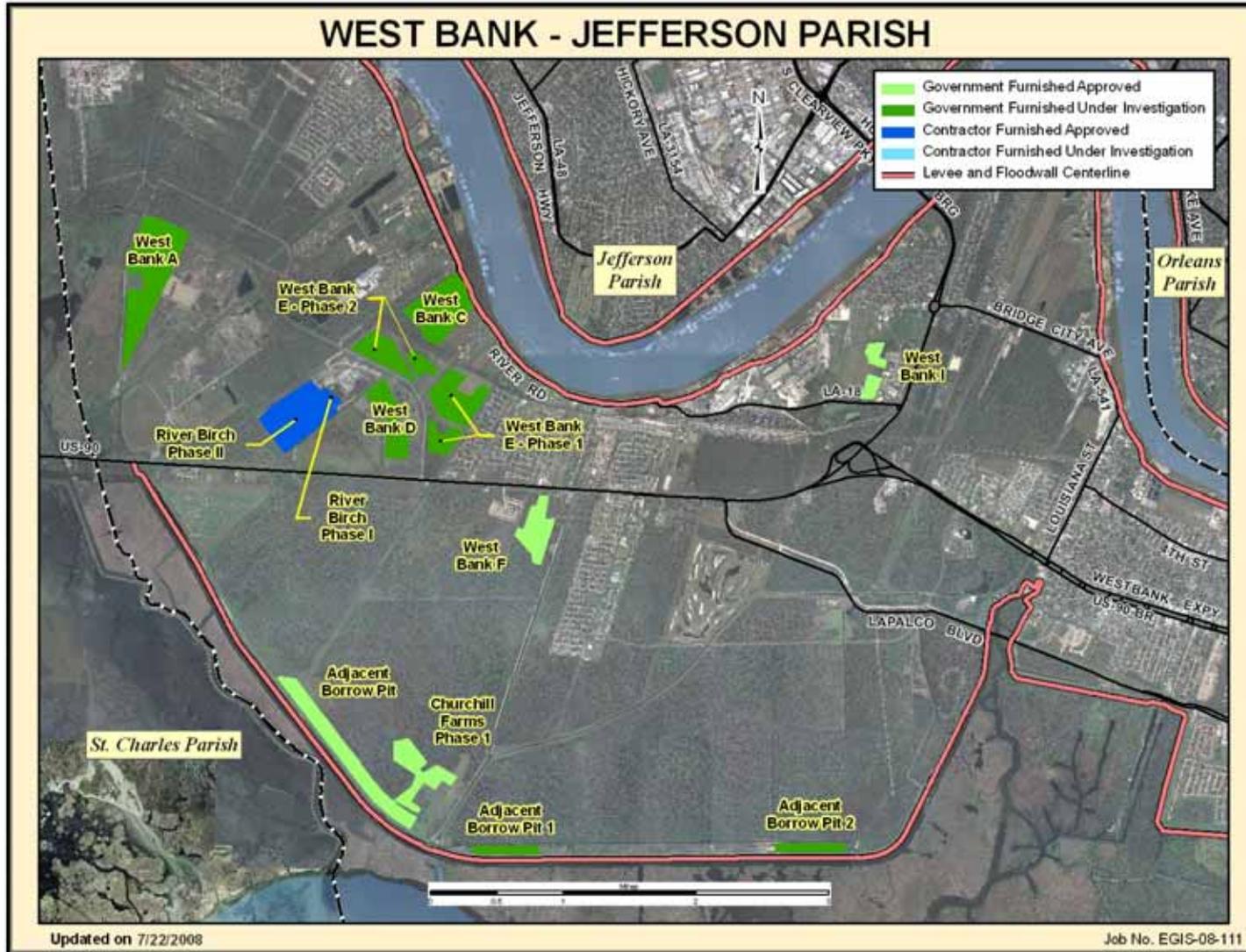
Borrow

All Sites Investigated





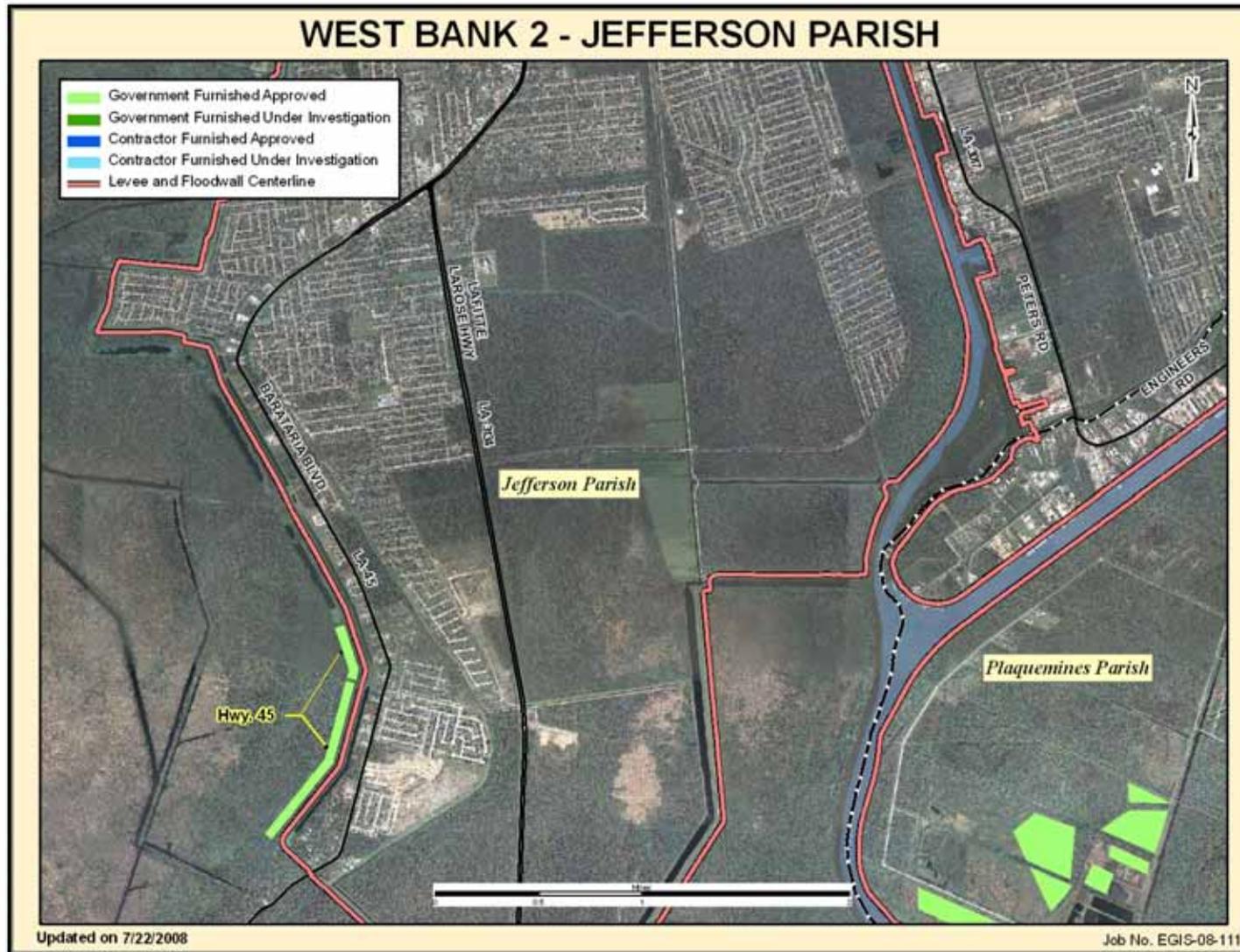
Borrow





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Borrow



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IERs Currently Available for Public Review

IER 14 – Harvey to Westwego Levee

- Released for Public Review and Comment: July 3, 2008
- Public Comment Period closes: Aug. 4, 2008

**** copies available at www.nolaenvironmental.gov or by contacting the Corps.**

Opportunities for Public Input

- Regular Public Meetings throughout New Orleans Metro Area
- Comments can be submitted at: www.nolaenvironmental.gov
- Individual Environmental Reports (IER) 30-day Public Review

Questions and comments regarding Greater New Orleans Hurricane and Storm Damage Risk Reduction System projects should be addressed to:

Gib Owen

PM-RS

P.O. Box 60267

New Orleans, LA 70160-0267

Telephone: 504-862-1337

E-mail: mvnenvironmental@usace.army.mil



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www.nolaenvironmental.gov/



www.nolaenvironmental.gov

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Welcome to NOLA Environmental! This site has been set up to share with the public the efforts being made by the U.S. Army Corps of Engineers and other Federal and state agencies in south Louisiana regarding the environmental compliance for proposed Federal and state Hurricane Protection Projects. Additional information pertaining to other Federal and state agencies' hurricane recovery efforts in southeast Louisiana will also be posted on the site as it becomes available. [Learn more...](#)

FEATURED PROJECT



USACE-MVN Emergency Alternative Arrangements
Greater New Orleans
Hurricane and Storm Damage
Risk Reduction System Projects

Announcements

- Draft [IER 14 Public Comment](#) Period 6/30 - 8/4
- Draft [IER 3 Public Comment](#) Period 6/16 - 7/16
- [IER 3 - The Clean Water Act Section 404 Public Notice Comment](#) Period 6/16 - 7/16
- The Decision Record for [IER 15](#) has been signed by the District Commander
- Draft [IER 2 Public Comment](#) Period 6/11 - 7/11
- [IER 2 - The Clean Water Act Section 404 Public Notice Comment](#) Period 6/11 - 7/11

[More...](#)

Upcoming

- [07/22/2008 - Public Meeting \(IERs 16 17\)](#)
- [07/29/2008 - Public Meeting \(IERs 6 7 11 Tier 2\)](#)

[More...](#)

Newly Available

- [News Release 21 July 08 Public Meeting IERs 16 17](#)
- [17 July 08 Public Meeting Presentation IERs 8 9 10 11 Tier 2](#)

[More...](#)

West Bank and Vicinity Hurricane Protection Project

Julie Vignes
Senior Project Manager
West Bank Hurricane Protection Project

Stuart Waits
Senior Project Manager
PRO Hurricane Protection Floodwalls

Mike Stack, Jr
Project Manager
West Bank Hurricane Protection Project

Gib Owen
Hurricane Protection System
Environmental Coordinator



