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# Why are we here tonight

**To discuss the status of completed, in-progress and potential improvements to the Greater New Orleans Hurricane and Storm Damage Risk Reduction System on the Eastbank of St. Charles and Jefferson Parish.**



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# National Environmental Policy Act: NEPA

- Required for all major Federal actions
- Analyze potential impacts to the human and natural environment and investigate reasonable alternatives
- Corps has made alternative arrangements with NEPA to expedite project timelines
- Public Involvement is KEY! We want to hear from you!
- Goal: more informed decision making through public involvement



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# NEPA Process and Path Ahead

- The NEPA process began with public scoping meetings for IERs 1, 2 and 3 on April 4, 2007
- From April 2007 through today, current project alternatives were developed, impacts were analyzed, and public input was solicited
- Tentative dates of 30-Day Public Review Period:
  - IER 1 – April 25, 2008 to May 26, 2008
  - IER 2 – May 1, 2008 to May 31, 2008
  - IER 3 – May 9, 2008 to June 9, 2008



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# NEPA Process and Path Ahead

- Final decision regarding IER recommendations will tentatively be made in 2008:
  - IER 1 – May 30, 2008
  - IER 2 – June 6, 2008
  - IER 3 – June 13, 2008



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# Lake Pontchartrain and Vicinity Hurricane Protection Project





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# 100-yr Alternatives St. Charles Parish IER 1



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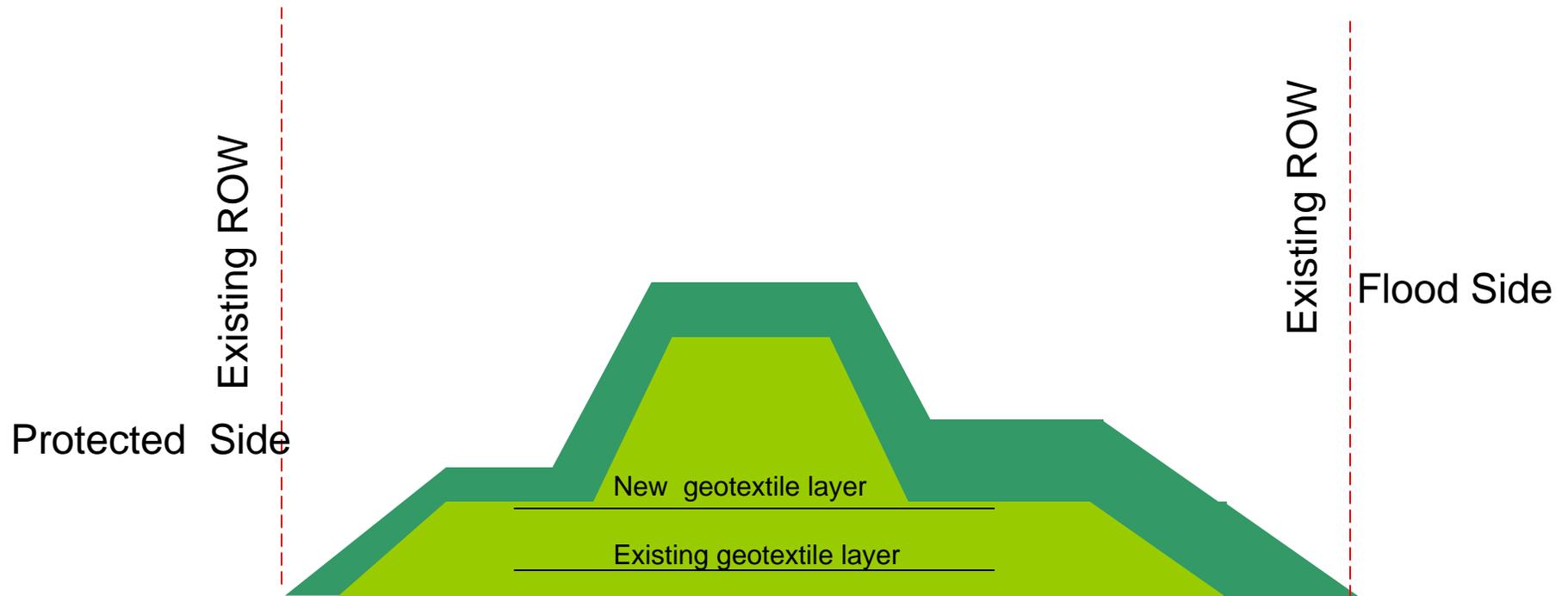
# St. Charles Parish Levee Reaches





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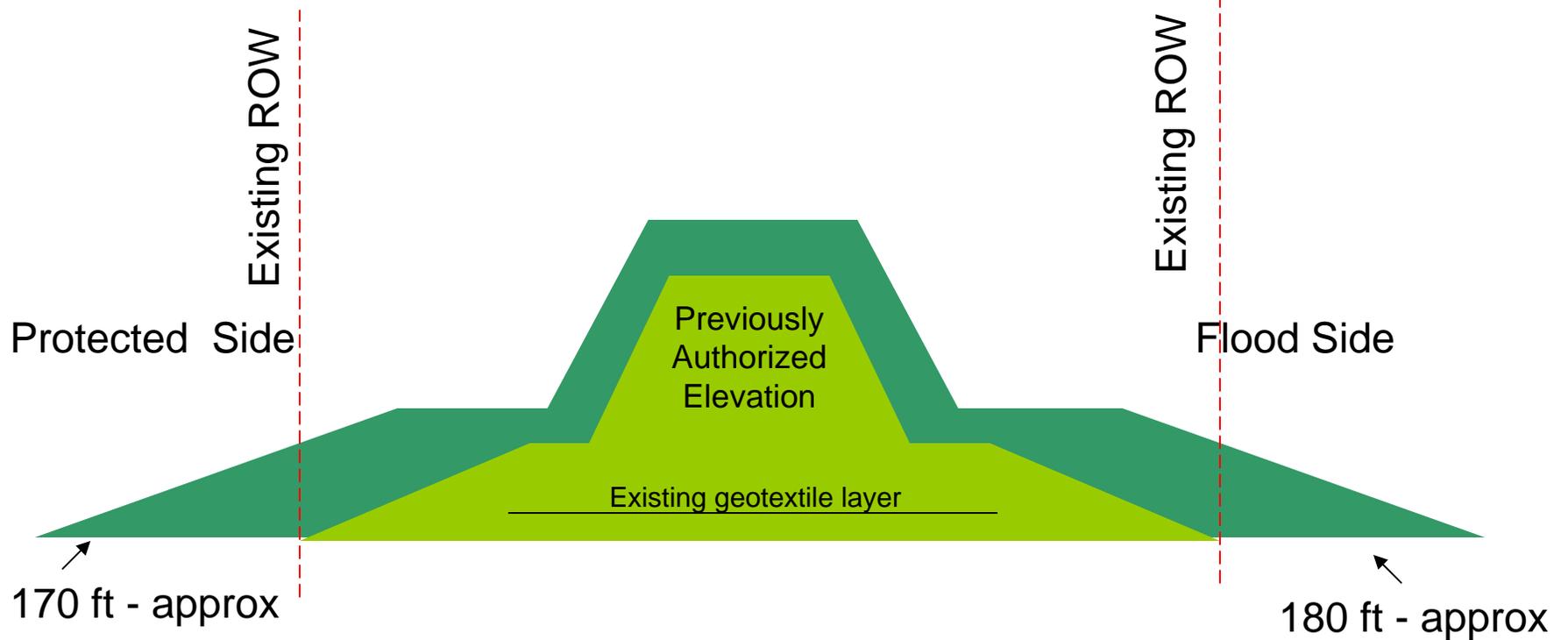
# St. Charles Parish 100-yr Alternative with Additional Geotextile



ROW – Right-of-Way



# St. Charles 100-yr Alternative Without Additional Geotextile (Preferred)



ROW – Right-of-Way



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# 100-year Project Footprint



## Legend

-  Necessary Right of Way for 100-year protection, flood side
-  Existing Right of Way
-  Necessary Right of Way for 100-year protection, protected side
-  Structures and pipelines that will not require any new Right of Way

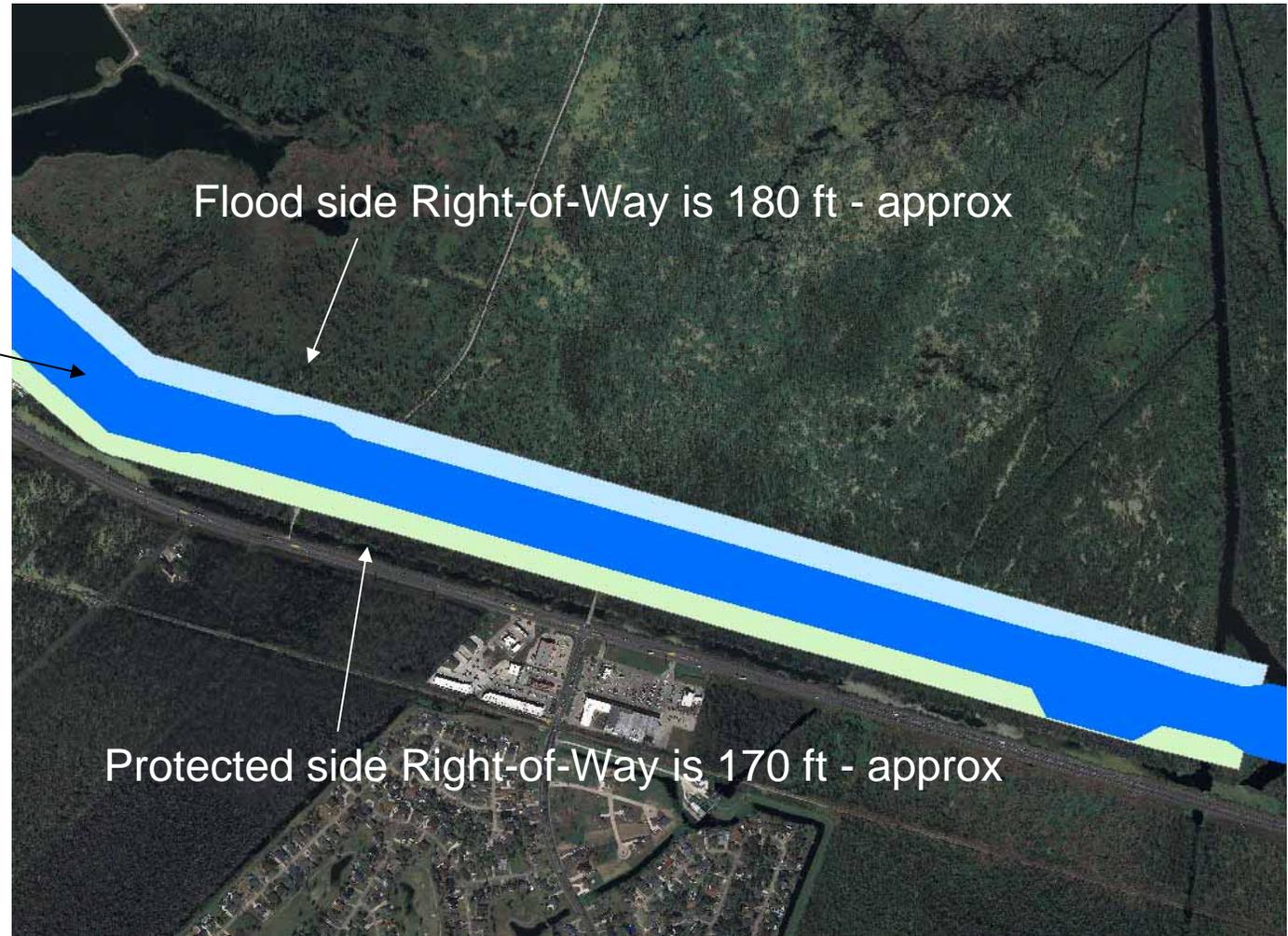


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# 100-year Project Footprint



Existing Right-of-Way is 380 ft - approx



## Legend

- Necessary Right of Way for 100-year protection, flood side
- Existing Right of Way
- Necessary Right of Way for 100-year protection, protected side



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# Armstrong Airport Levee



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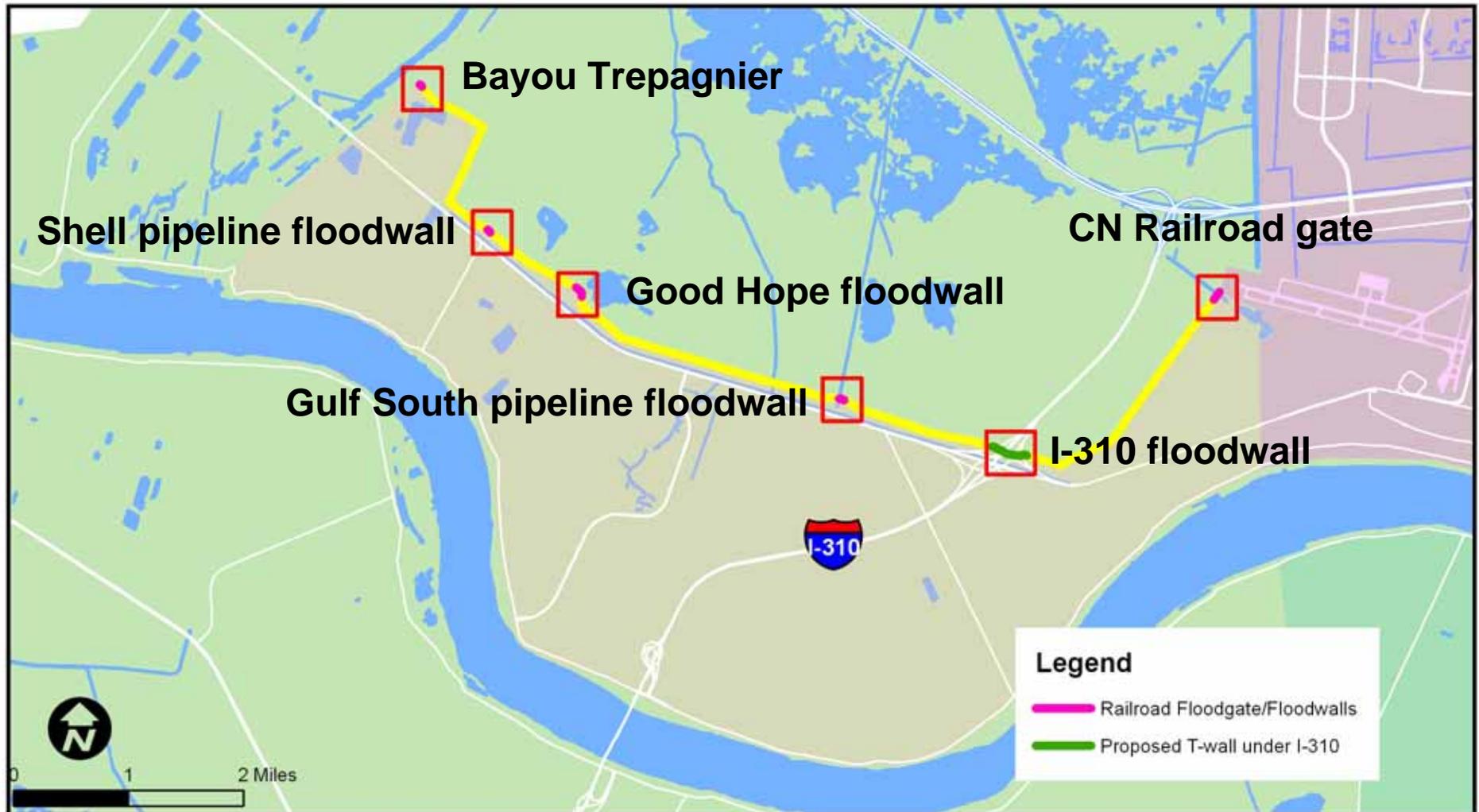
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# St. Charles Parish Floodwalls





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# Bayou Trepagnier Floodwall





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# Floodwalls at Pipeline Crossings

Shell Pipeline Floodwall



Gulf South Pipeline Floodwall



Good Hope Floodwall



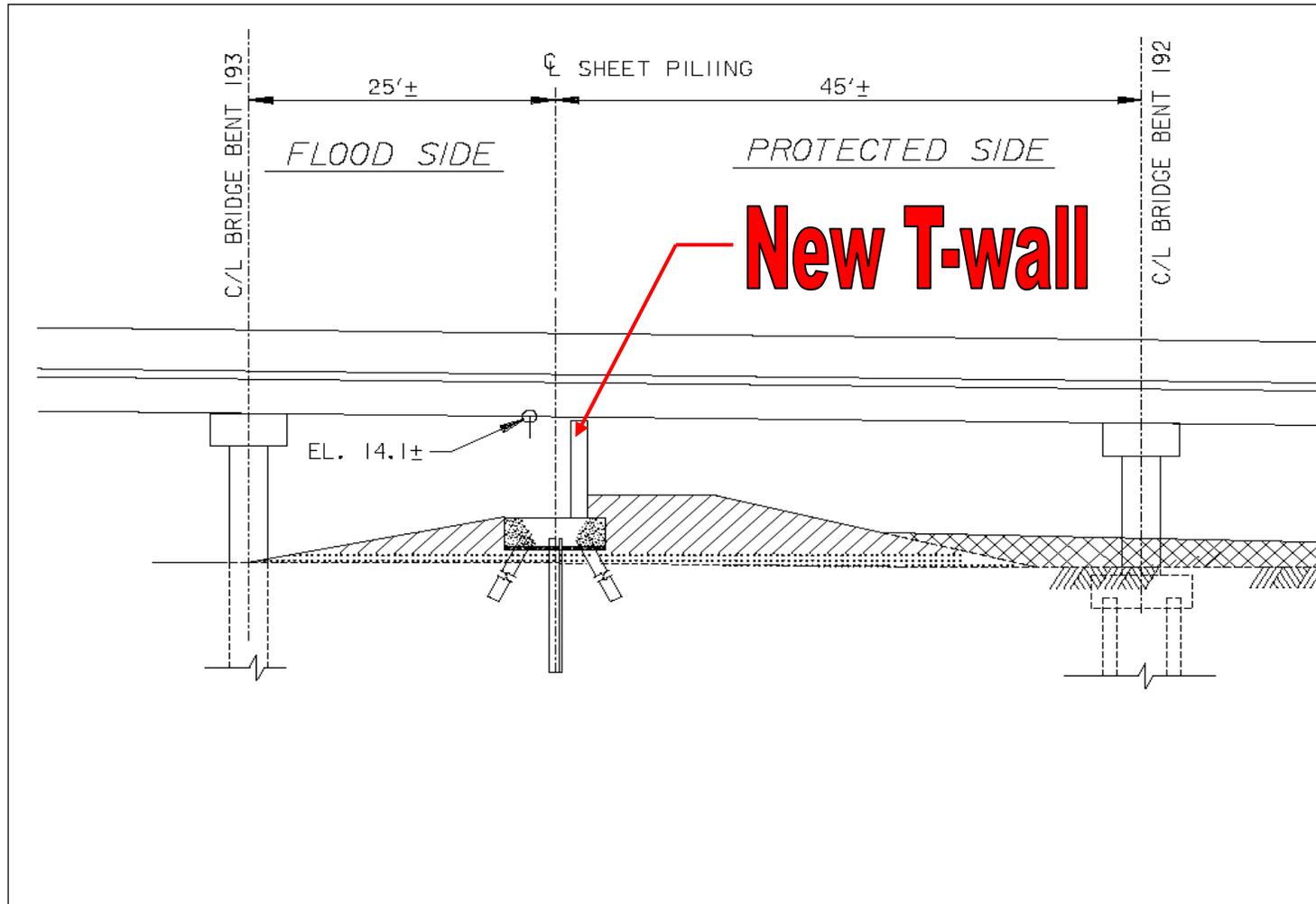


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# I-310 Floodwall



# I-310 Floodwall





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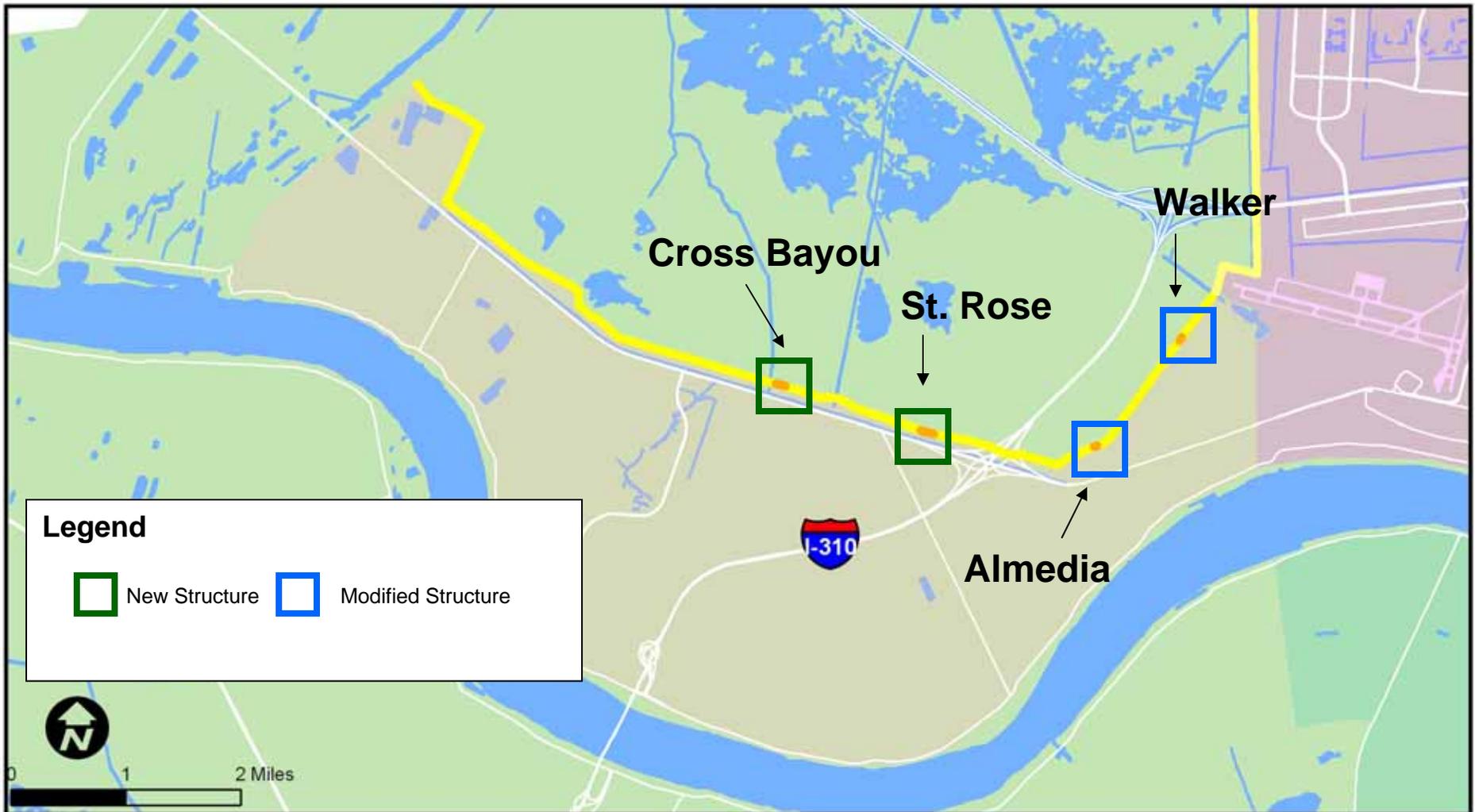
# Canadian Railroad Floodgate





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# St. Charles Parish Drainage Structures

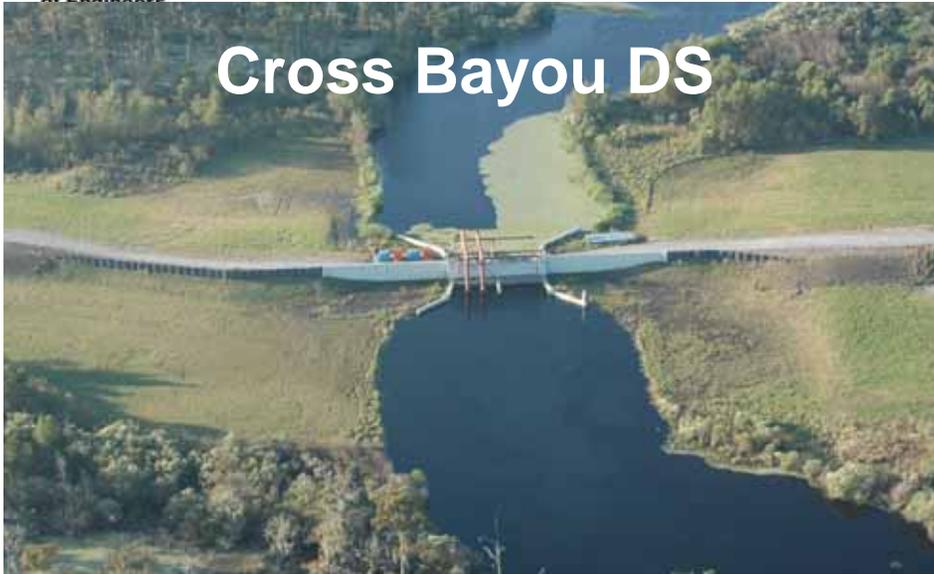




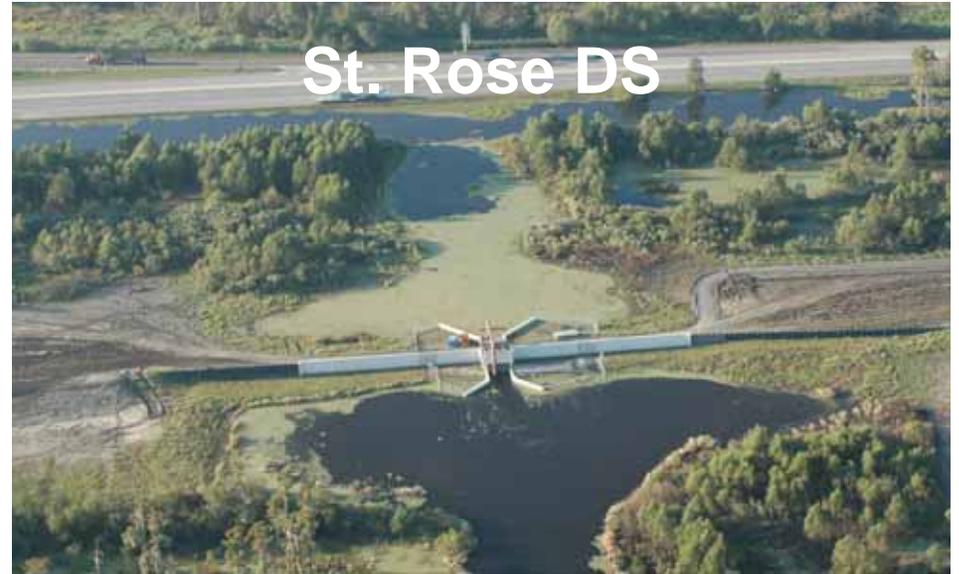
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# St. Charles Parish Drainage Structures

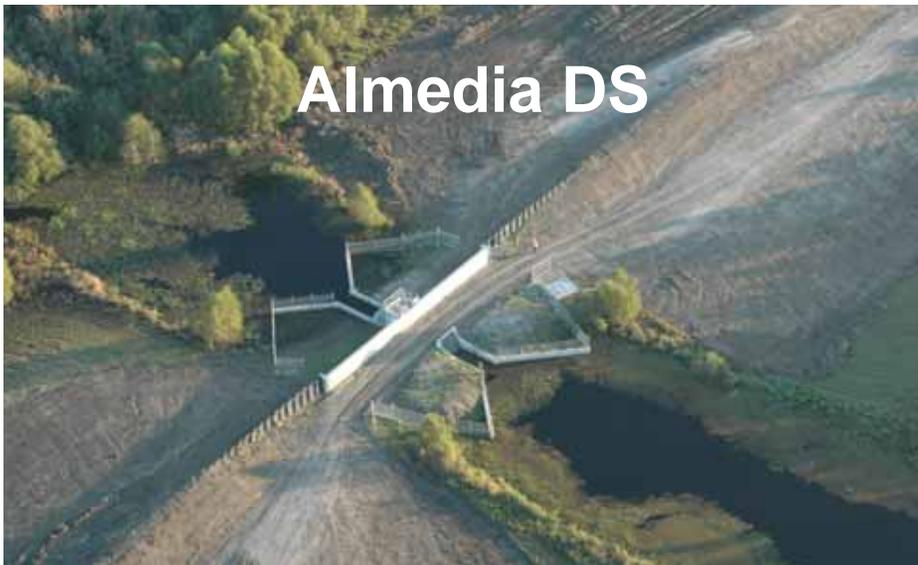
Cross Bayou DS



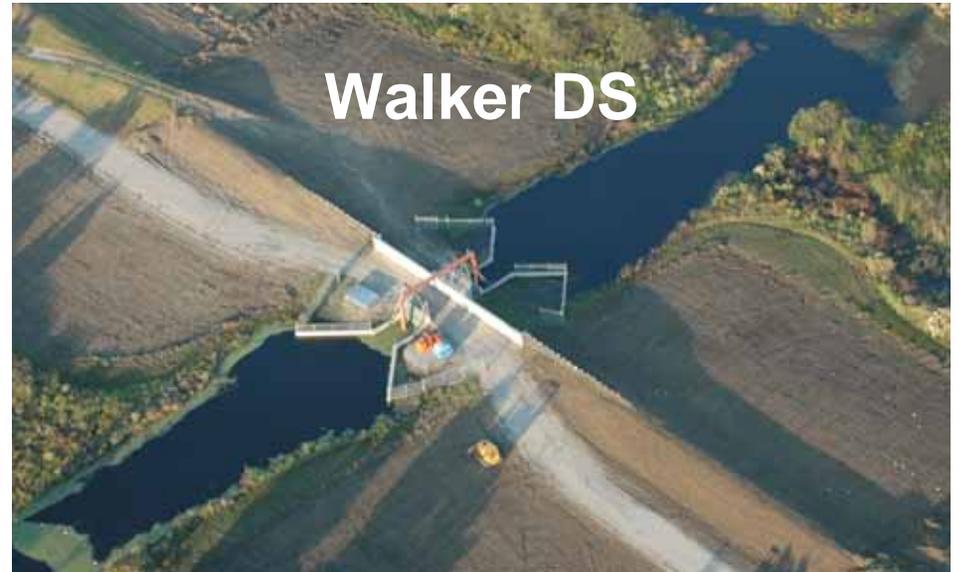
St. Rose DS



Almedia DS



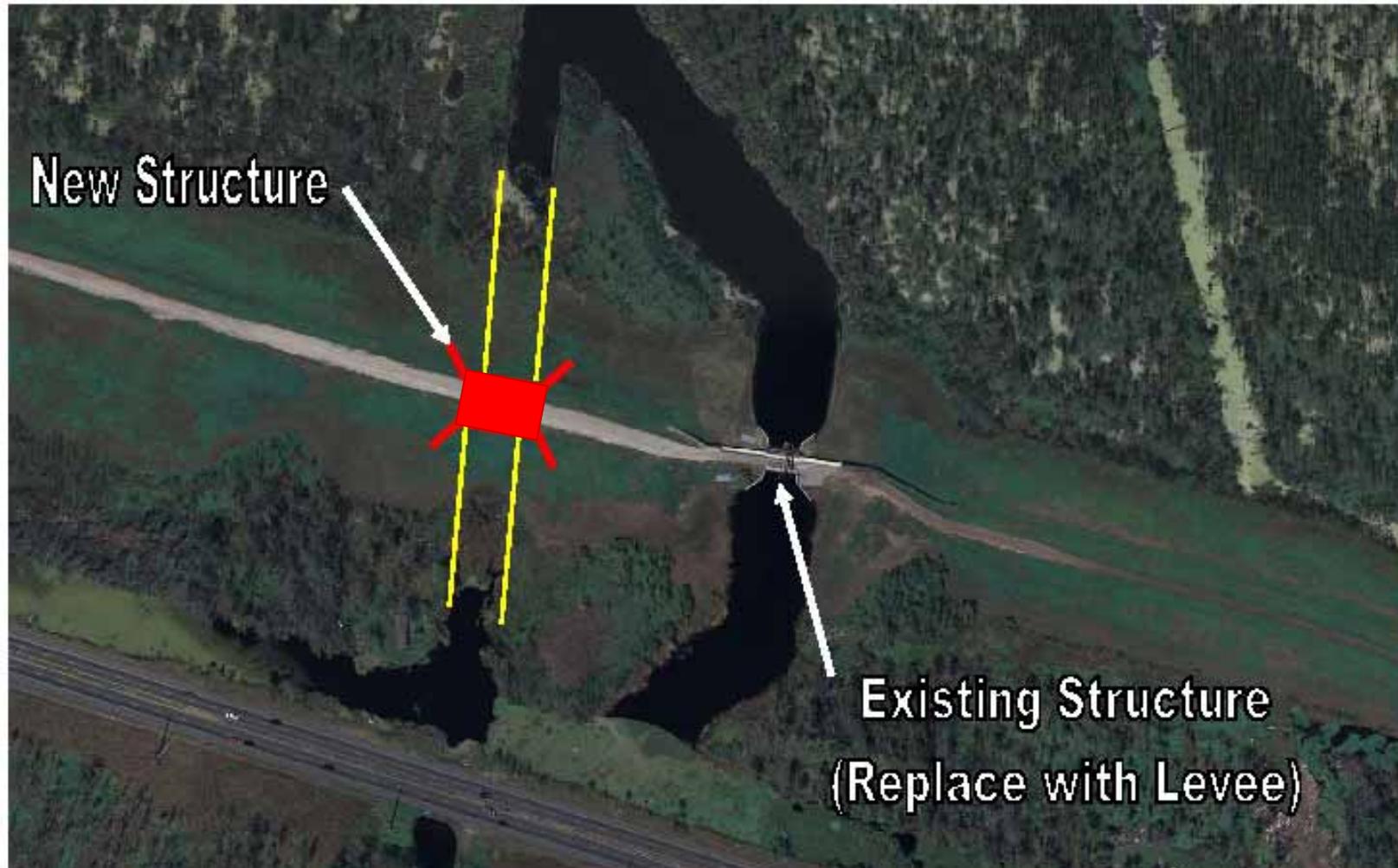
Walker DS





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# Cross Bayou Drainage Structure



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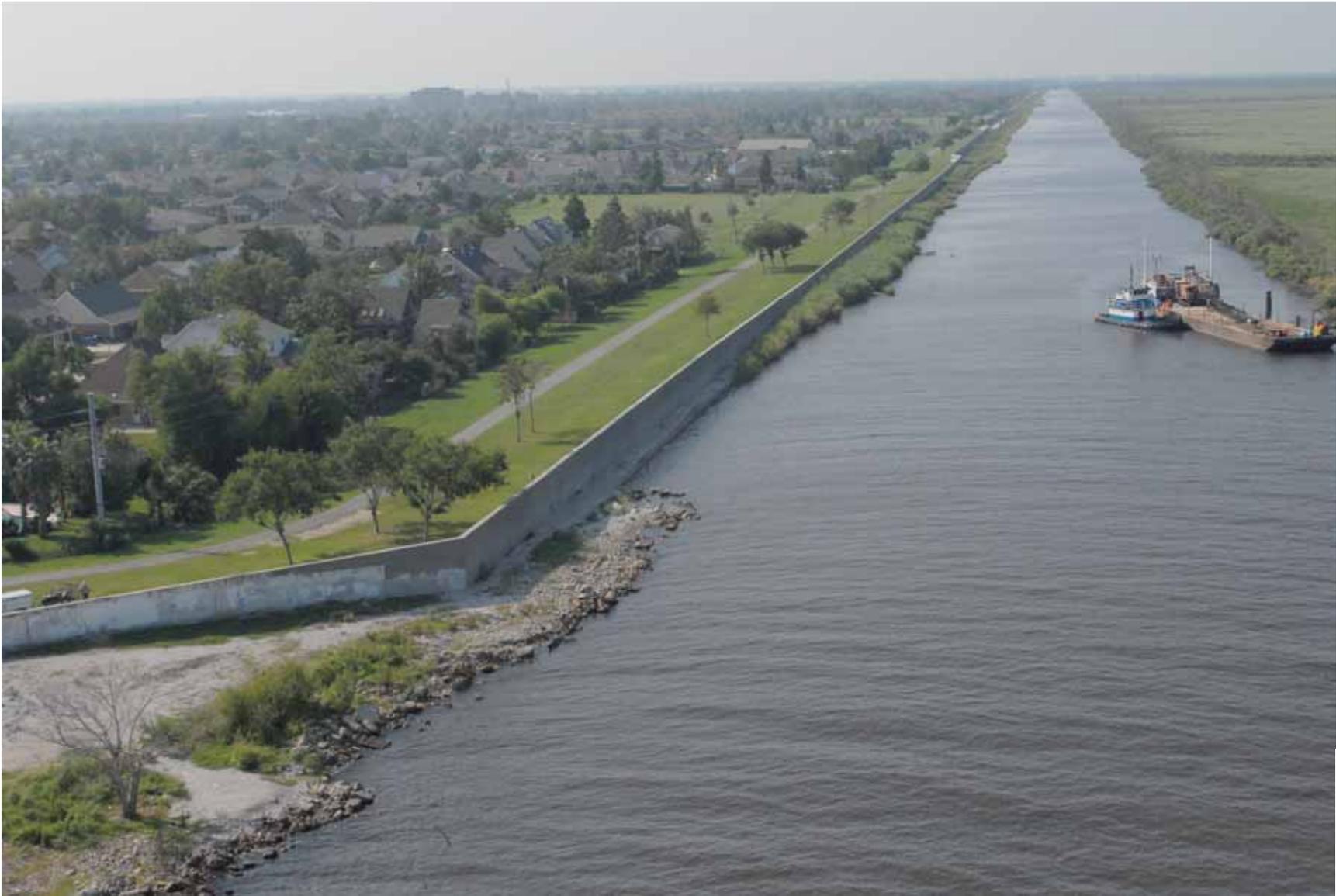
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# 100-yr Alternatives Jefferson Parish - West Return Wall IER 2



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# West Return Floodwall



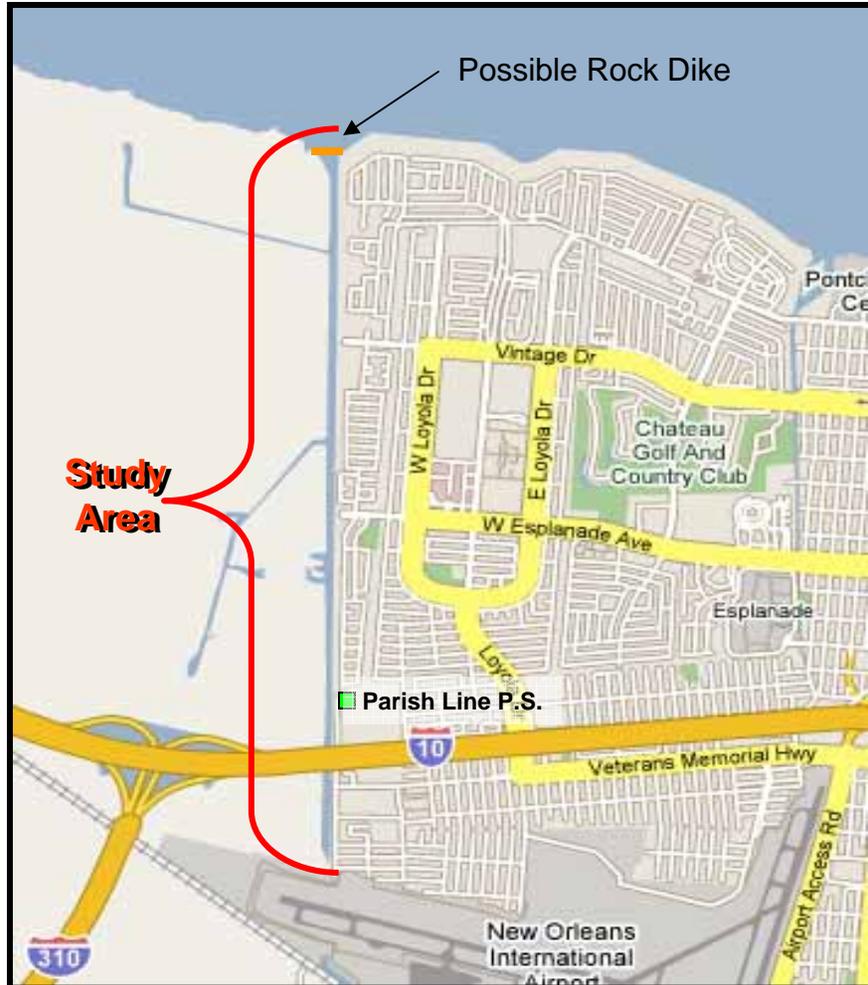
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# West Return Floodwall Alternatives Evaluation



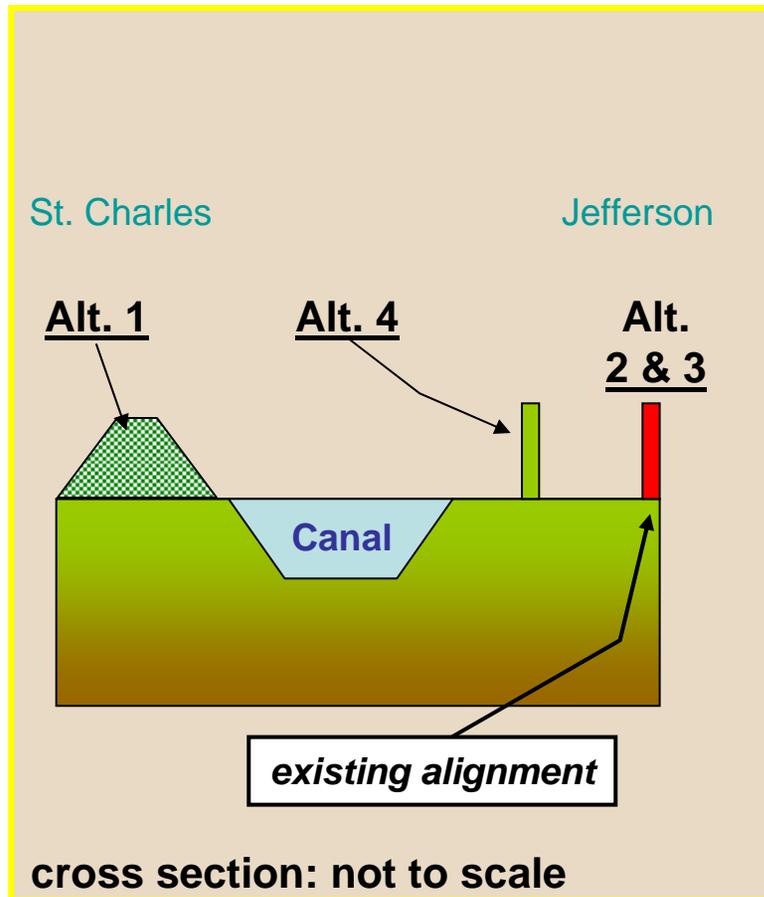
## Study Area:

New Orleans International Airport to  
the Jefferson Lakefront Levee

- Evaluation of Alternative Designs  
complete - Nov 2007
- Possible Rock Dike considered at  
head of canal
- Scheduled Start of Construction –  
early 2009



# West Return Floodwall Alternatives Evaluation



Alternative 1: Earthen levee (St. Charles side of existing alignment)

Alternative 2: Modification of existing floodwalls by adding additional wall height (current alignment)

Alternative 3: Remove existing wall and replace with new wall (current alignment); potential reuse of some foundation components

Alternative 4: New wall parallel to existing floodwall



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# 100-yr Alternatives Jefferson Parish – Lakefront IER 3



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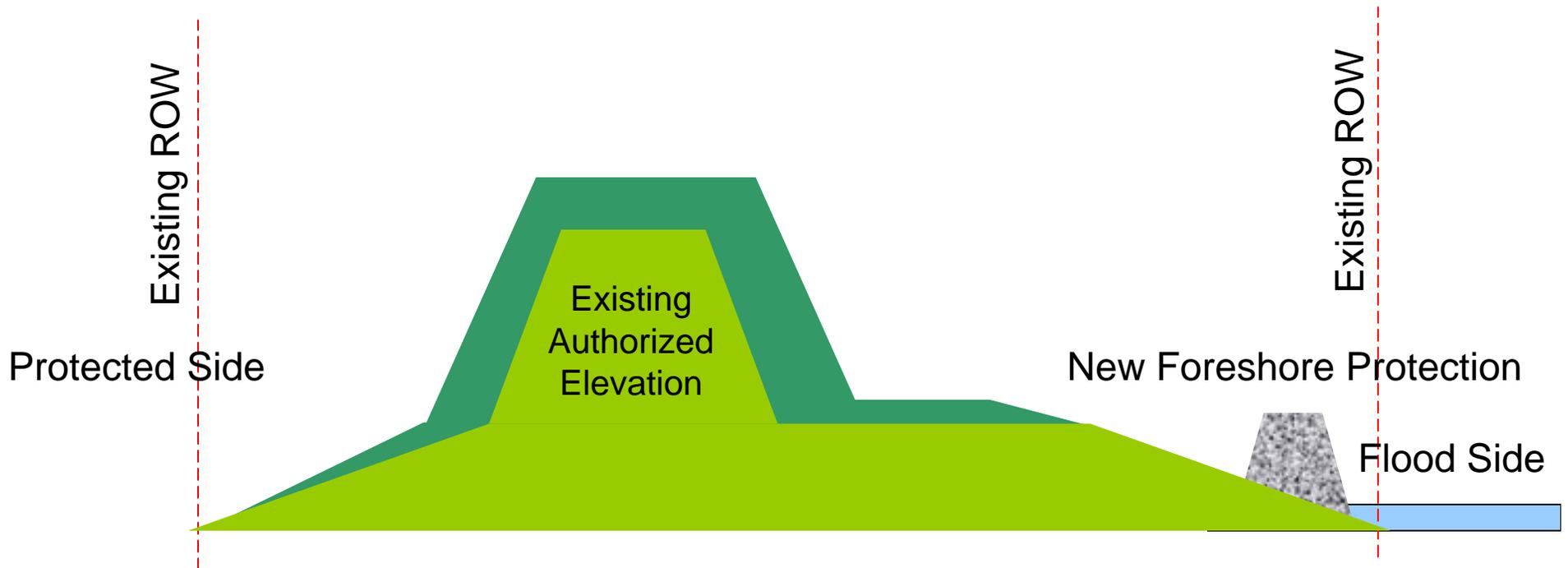
# Jefferson Parish Levee Reaches





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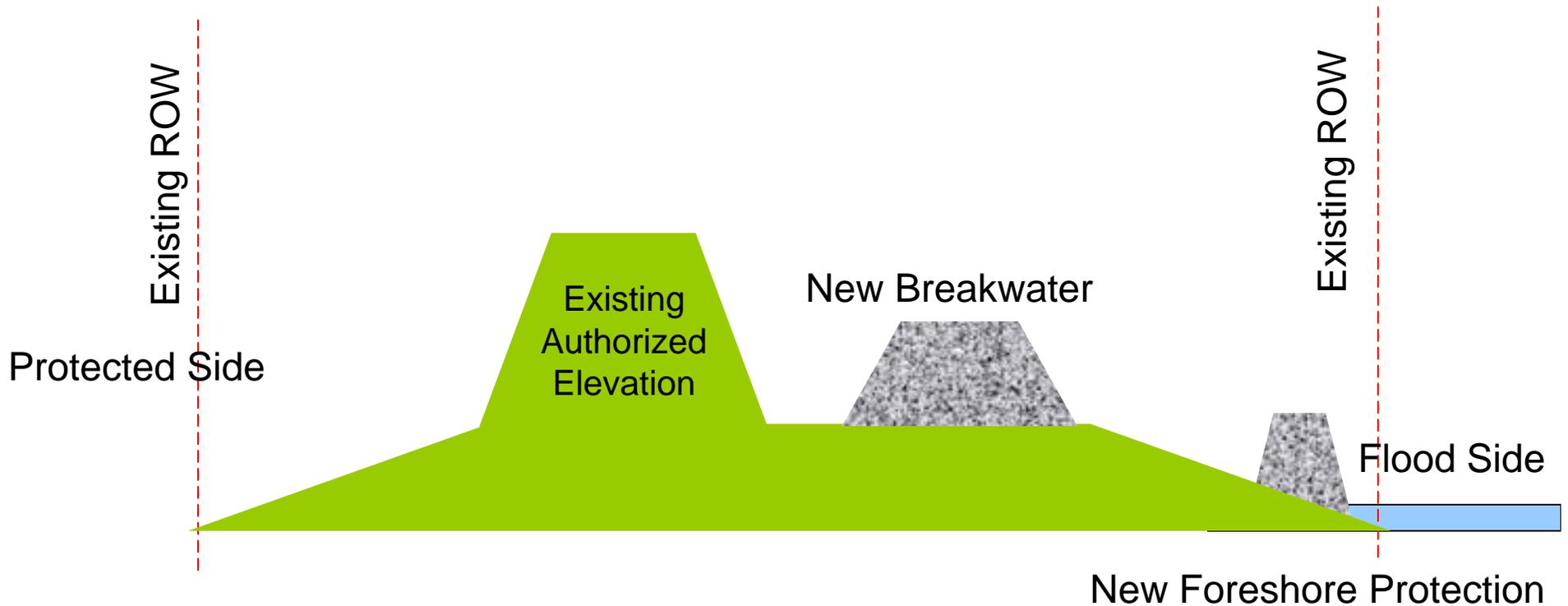
# 100-yr Alternative 1 (Preferred)



ROW – Right-of-Way



# 100-yr Alternative 2

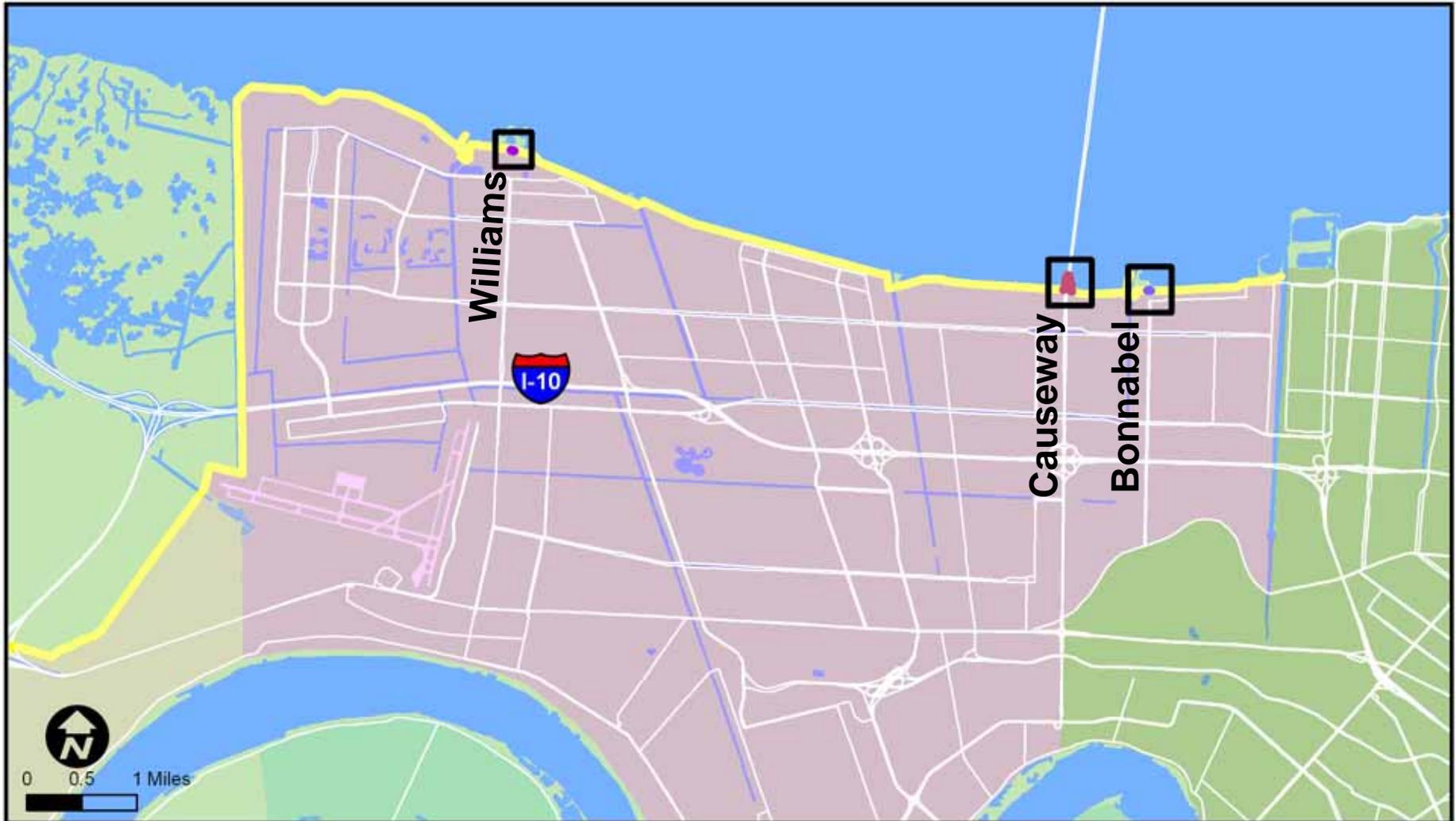


ROW – Right-of-Way



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# Floodgates at Williams and Bonnabel, and Causeway Levee Tie-in





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# Jefferson Parish Floodgates

Williams Blvd



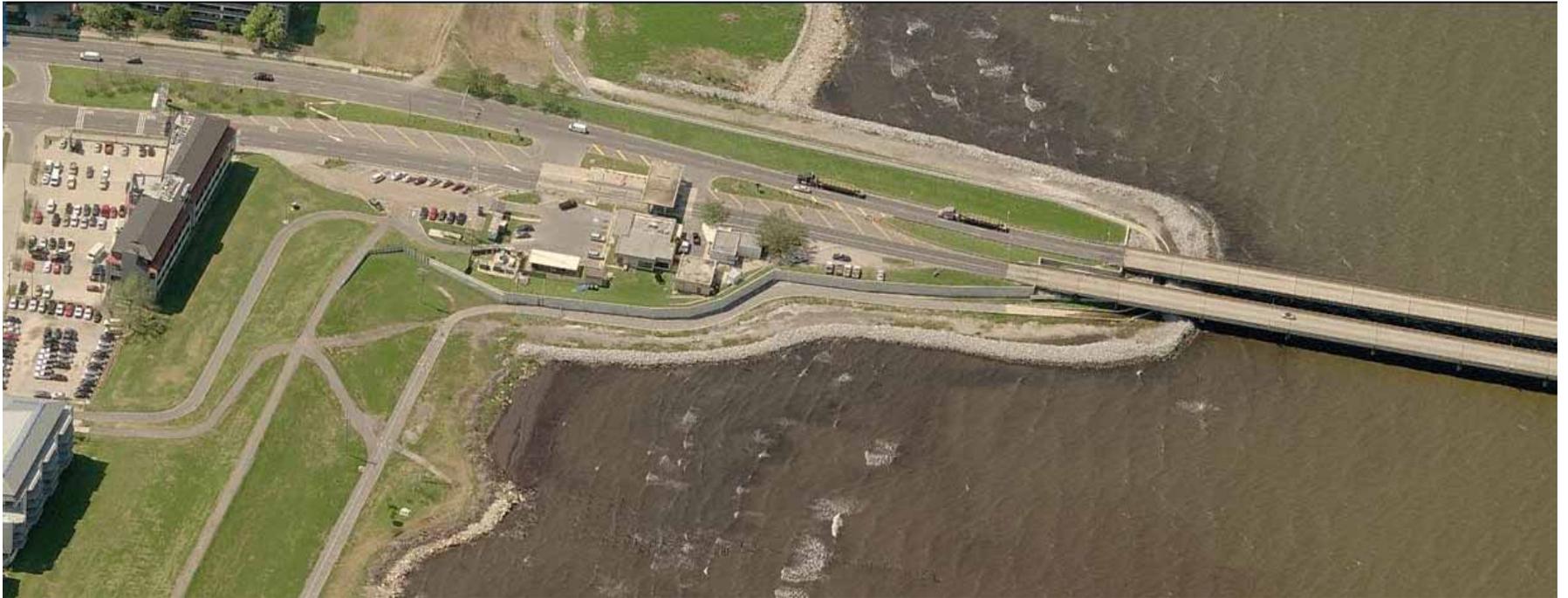
Bonnabel Ave





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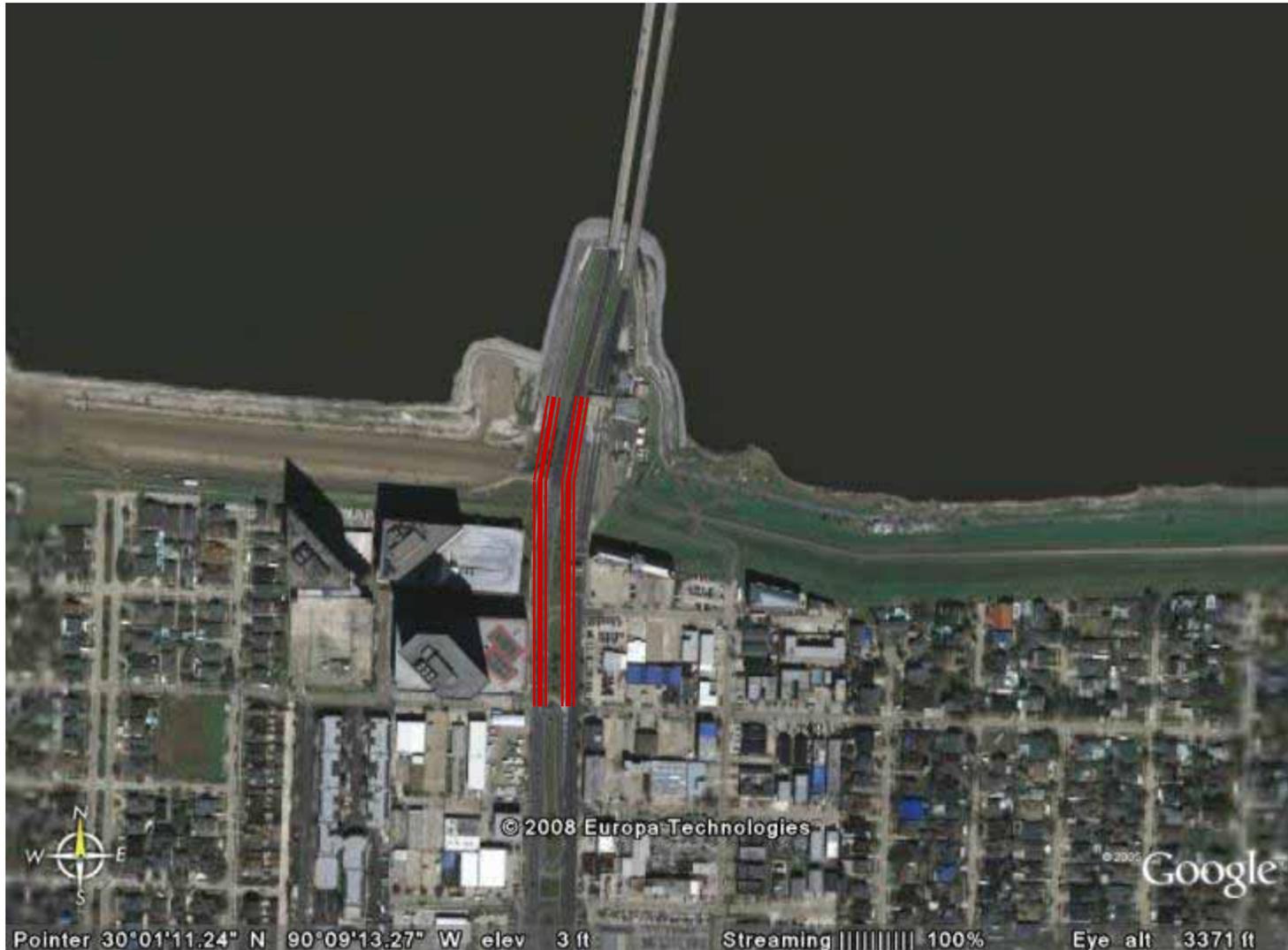
# Causeway Levee Tie-in





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# Causeway Levee Tie-in



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# Jefferson Lakefront Pump Stations





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# Breakwater Suburban PS #2

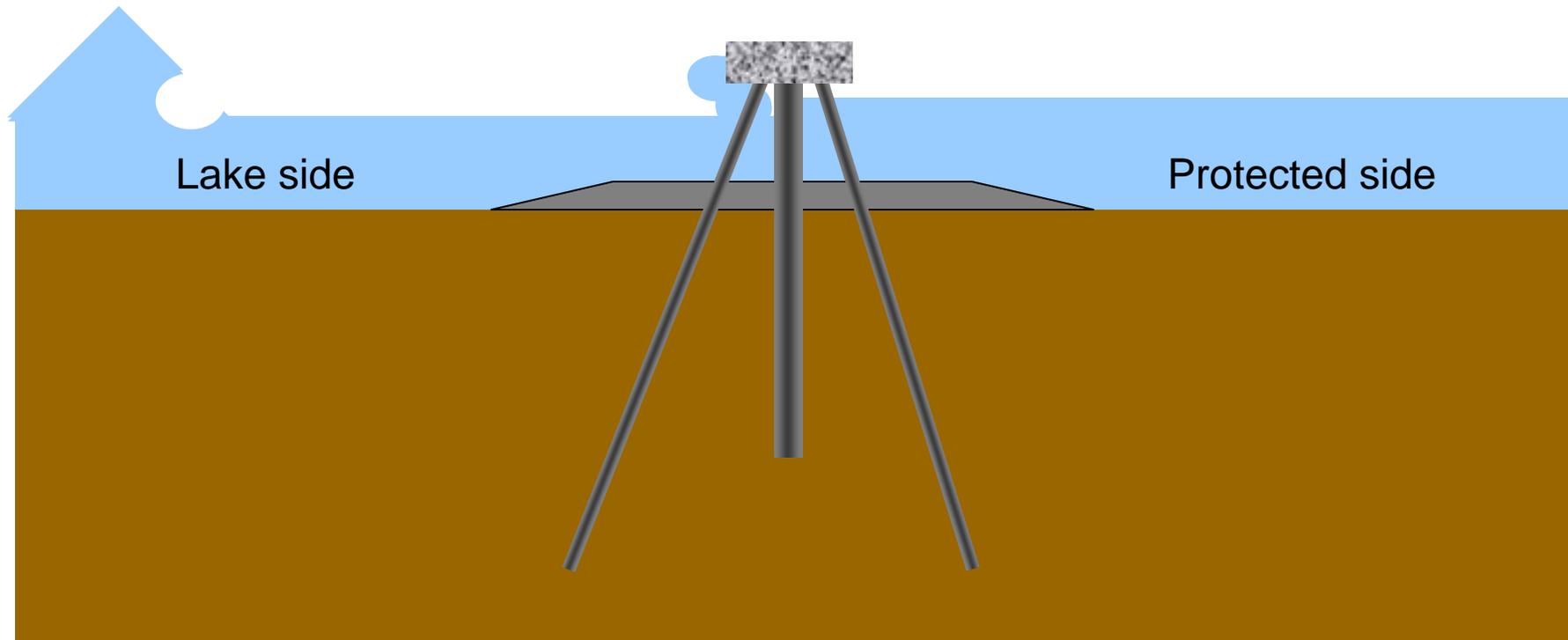


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# Typical Section of Breakwater



# Fronting Protection Elmwood PS #3

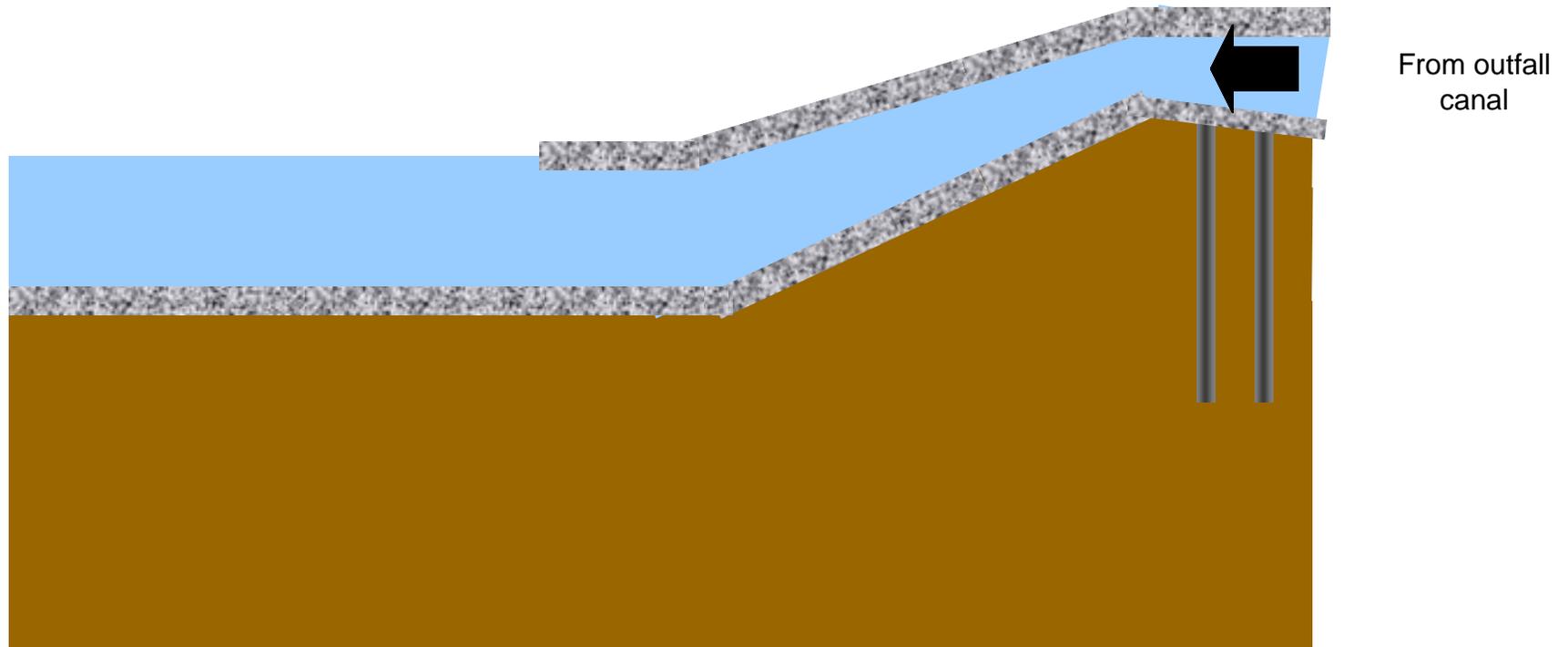




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# Typical Fronting Protection Jefferson Parish Horizontal Pumps

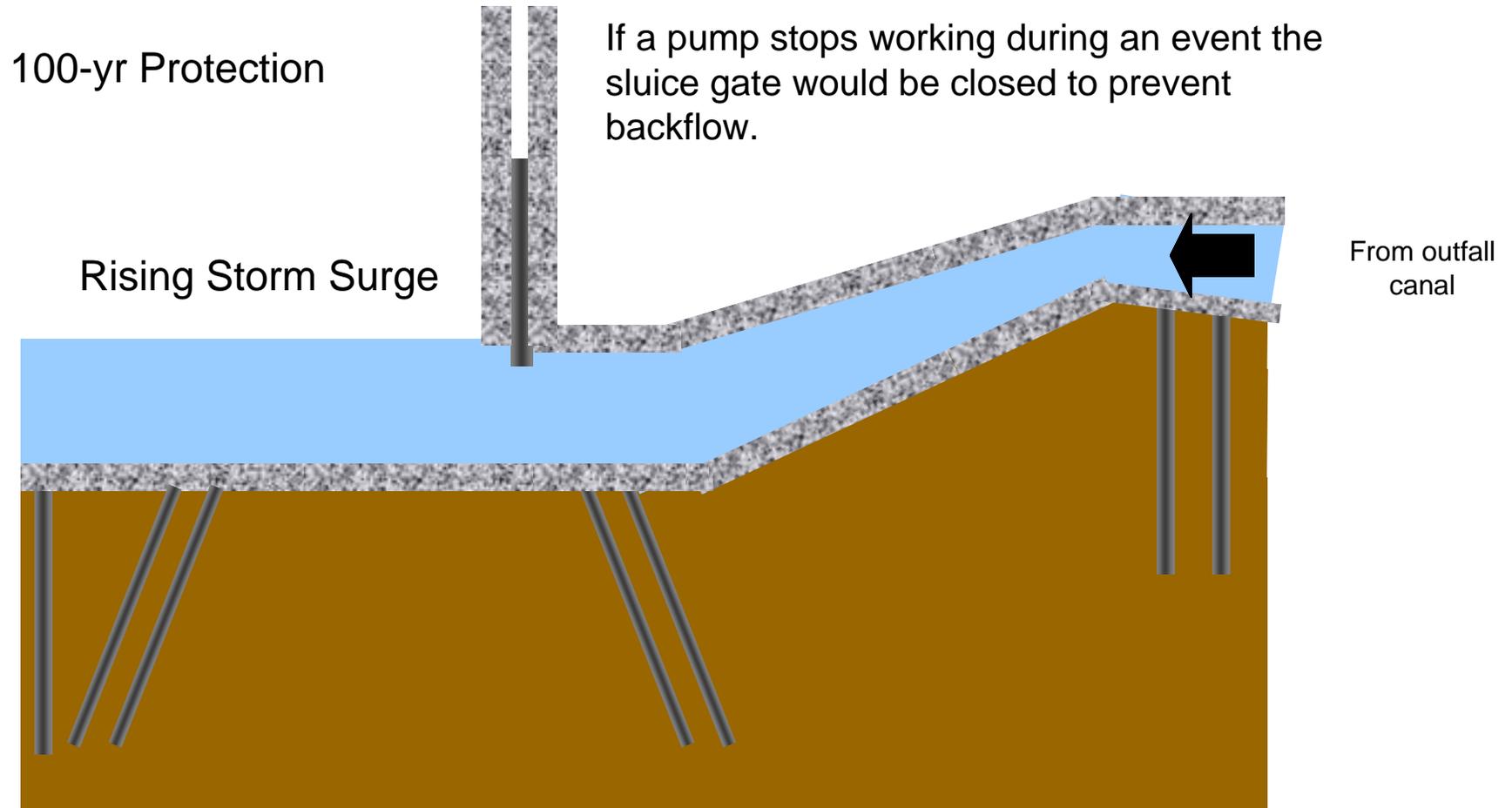
Current configuration





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# Typical Fronting Protection Jefferson Parish Horizontal Pumps

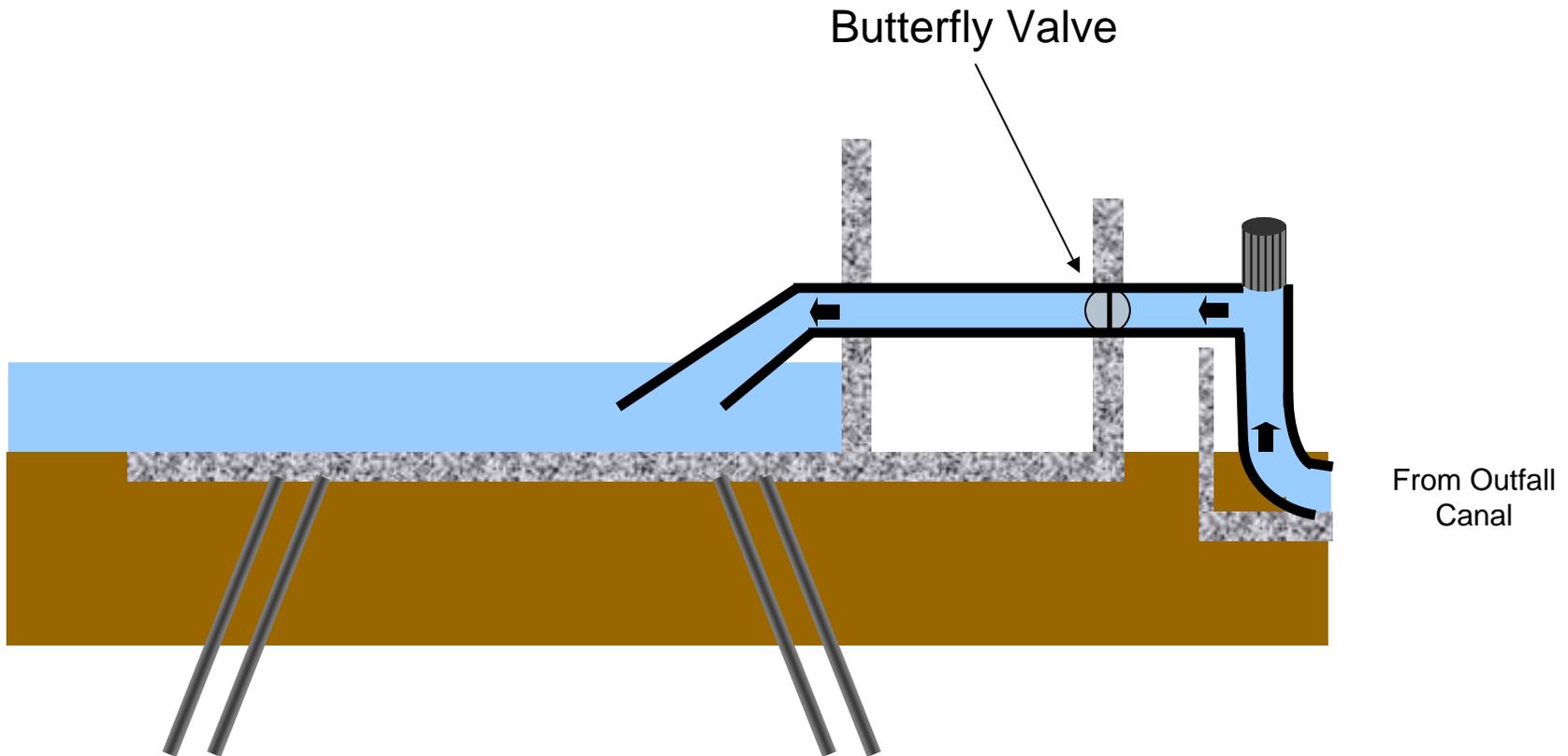




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# Typical Fronting Protection Vertical Pumps

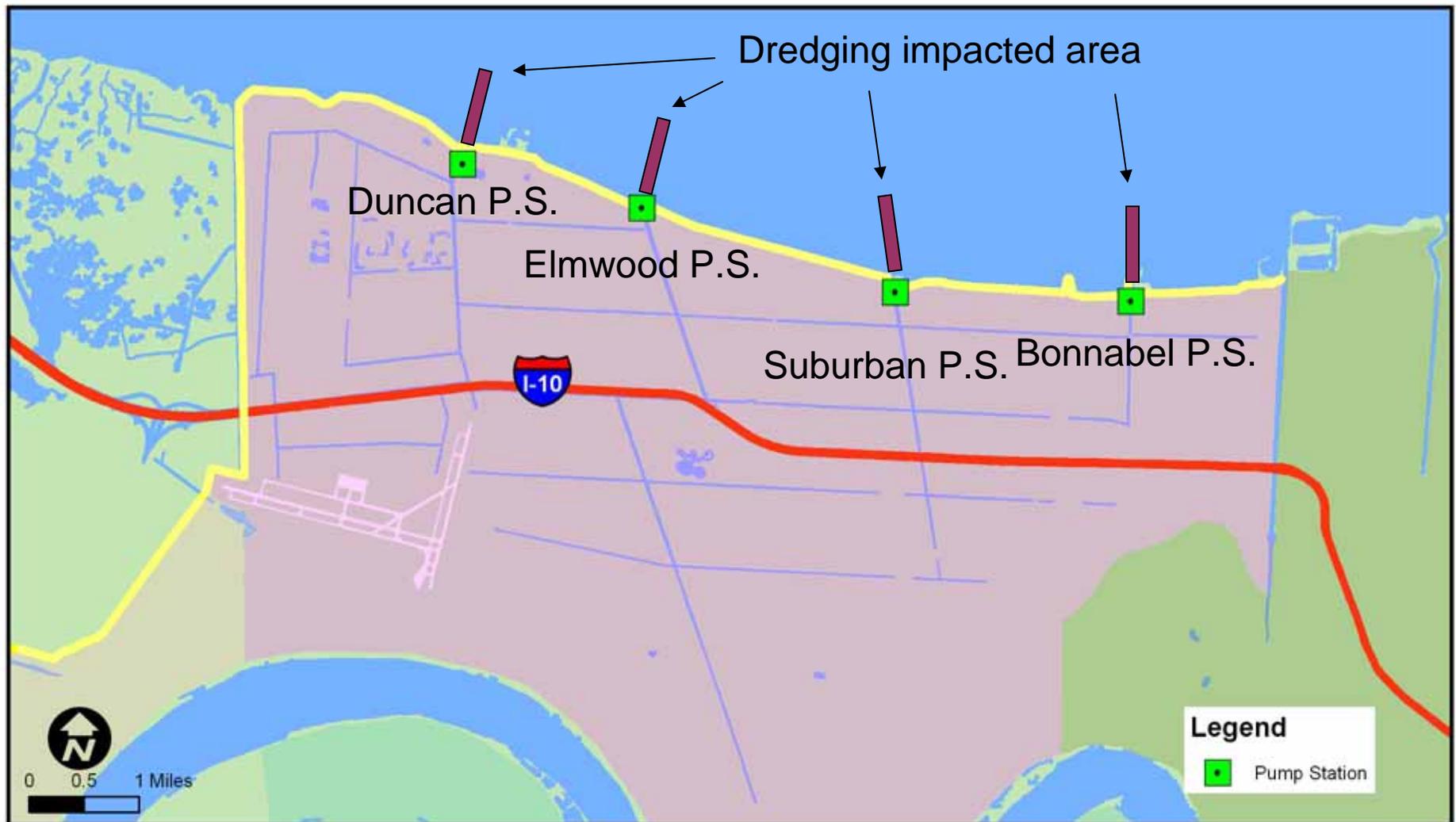
If a pump stops working during an event the butterfly valve would be closed to prevent backflow.





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# Dredging for Construction Access





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# Investigated Borrow Sites – System Wide



9 MARCH 2008



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# Opportunities for Public Input

- Monthly Public Meetings throughout New Orleans Metro Area
  - Make sure to sign in tonight to get on our meeting notification mailing list
- Comments can be submitted at any time at [www.nolaenvironmental.gov](http://www.nolaenvironmental.gov)
- Individual Environmental Reports (IER) 30-day Public Review

Questions and comments regarding Hurricane Protection Projects

should be addressed to:

**Gib Owen**

**PM-RS**

**P.O. Box 60267**

**New Orleans, LA 70160-0267**

**Phone: 504-862-1337**

**E-mail: [mvnenvironmental@usace.army.mil](mailto:mvnenvironmental@usace.army.mil)**



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NEW ORLEANS, LOUISIANA  
Environmental Compliance Data Bank

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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...](#)

### Announcements

- [IER 22 Draft Public Comment Period: 4/01 - 4/30](#)
- [IER 23 Draft Public Comment Period: 3/24 - 4/23](#)
- The Decision Record for [IER 11](#) has been signed by the District Commander: [Final IER 11 \(News Release\)](#)
- [IER 14 \(Map\)](#) and [IER 15 \(Map\)](#) Sec 404 (wetland impacts) Public [Comment Period: 3/10 - 4/14](#)
- The Decision Records for [IER 18](#) and [IER 19](#) have been signed by the District Commander

### FEATURED PROJECT



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

### Upcoming

- [04/09/2008 - Public Meeting \(IERs 1 2 3 & Borrow\)](#)
- [04/10/2008 - Neighborhood Focused Public Meeting \(IERs 4 5 & 11\)](#)

[More...](#)

### Newly Available

- [26 February 08 Public Meeting Summary IERs 4 5 Borrow](#)
- [28 February 08 Public Meeting Summary IERs 1 2 3 and Borrow](#)

[More...](#)





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# Levees Raised to Previously Authorized Elevation

- 6.3 miles completed in Jefferson Parish
- 2.2 miles completed in St. Charles Parish

