



US Army Corps of Engineers



**Individual Environmental Report (IER) #11
Inner Harbor Navigation Canal
Tier 2 Pontchartrain**

&

**Individual Environmental Report (IER) #4
New Orleans Lakefront
Levees & Floodwalls**

Tuesday, March 3, 2009

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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
- Analyses documented in Environmental Assessments (EA), Environmental Impact Statements (EIS), or Individual Environmental Reports (IER)
- Public involvement is KEY: We want to hear from you!
- **Goal: more informed decision making through public involvement**



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Individual Environmental Report (IER) #11

Inner Harbor Navigation Canal Tier 2 Pontchartrain (Seabrook Floodgate)



Status

Where We Are:

- March/April '07: NEPA Process began with Public Scoping Meetings
- **Nov '07 through present:** Developing alternatives and conducting impacts analysis and soliciting public input
- Public Meetings: March 3 & 5 '09

Where We Are Going:

- May '09: Release Draft IER #11 Tier 2 Pontchartrain
- 30-day Public Review of draft document
- District Commander reviews final IER document

Seabrook Gate



Project Authorization:

June 2006, project was authorized when congress enacted the Emergency Supplemental Appropriation Act for Defense, The Global War on Terror, and Hurricane Recovery of 2006. (P.L. 109-234, Title II, Chapter 3, Construction, and flood Control and Coastal Emergencies).



Seabrook Gate

Project Chronological Development:

- 1) After Authorization, Conceptual Studies were performed for a gate in the vicinity of Seabrook area.

IER 11 Tier I recommended the location of the gate to be south of the bridge rather than in the lake.
- 2) An Engineering Alternative Report was developed to look at specific gate type and alternative locations.
- 3) Alternative Evaluation Process was conducted and a recommended alternative was selected.
- 4) IER 30-day Public Review is anticipated for May 2009
- 5) Coastal Zone Permit and Real Estate Acquisition processes must be completed prior to actual construction start.
- 6) Expect construction to start in fall of 2009.



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Seabrook Gate Alternatives

Alternative 1



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SEABROOK FLOODGATE
EAR Study Alternative 1

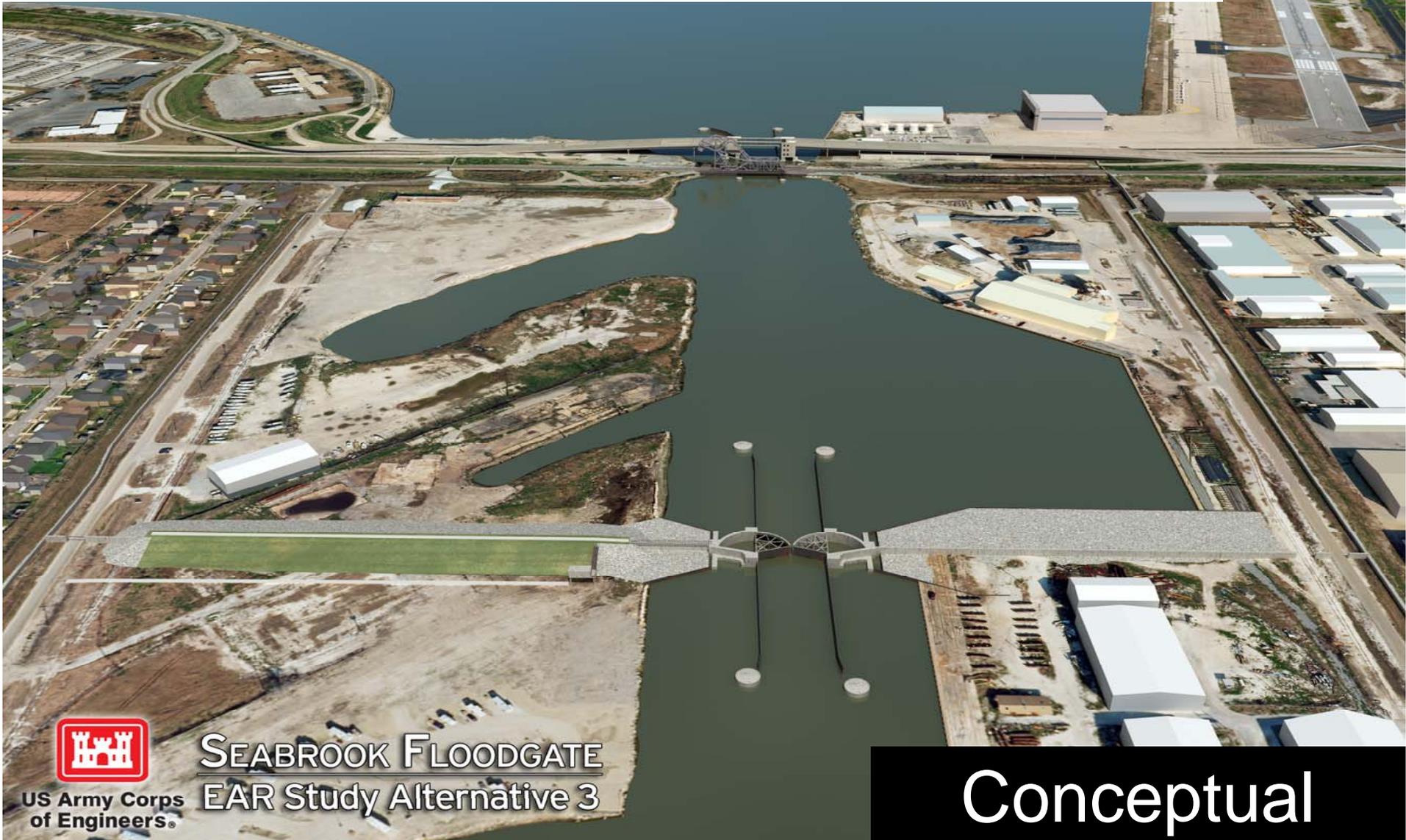
Conceptual

Alternative 2



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Alternative 3



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SEABROOK FLOODGATE
EAR Study Alternative 3

Conceptual

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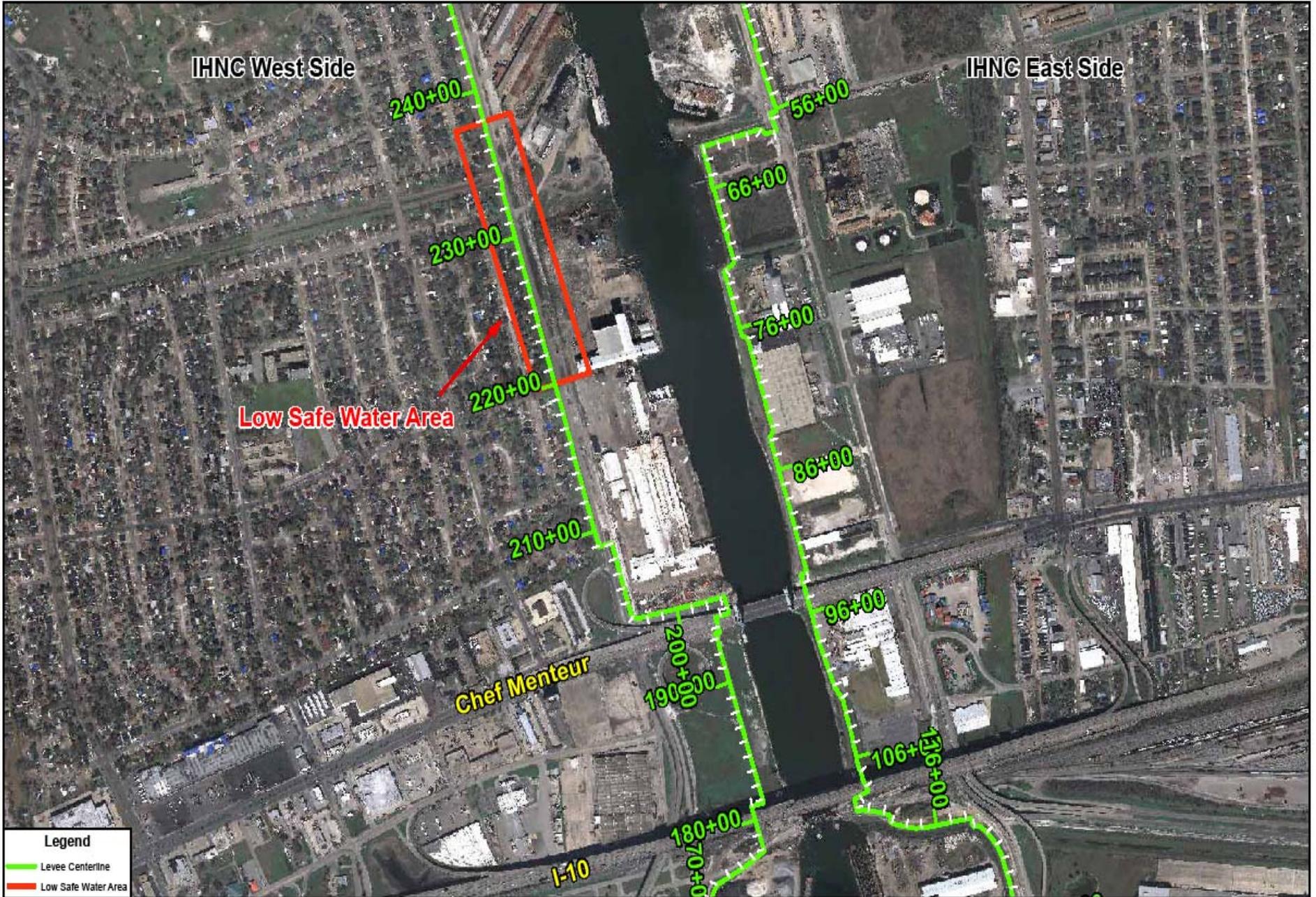
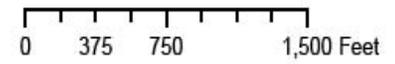


West Wall: Deep Soil Mixing



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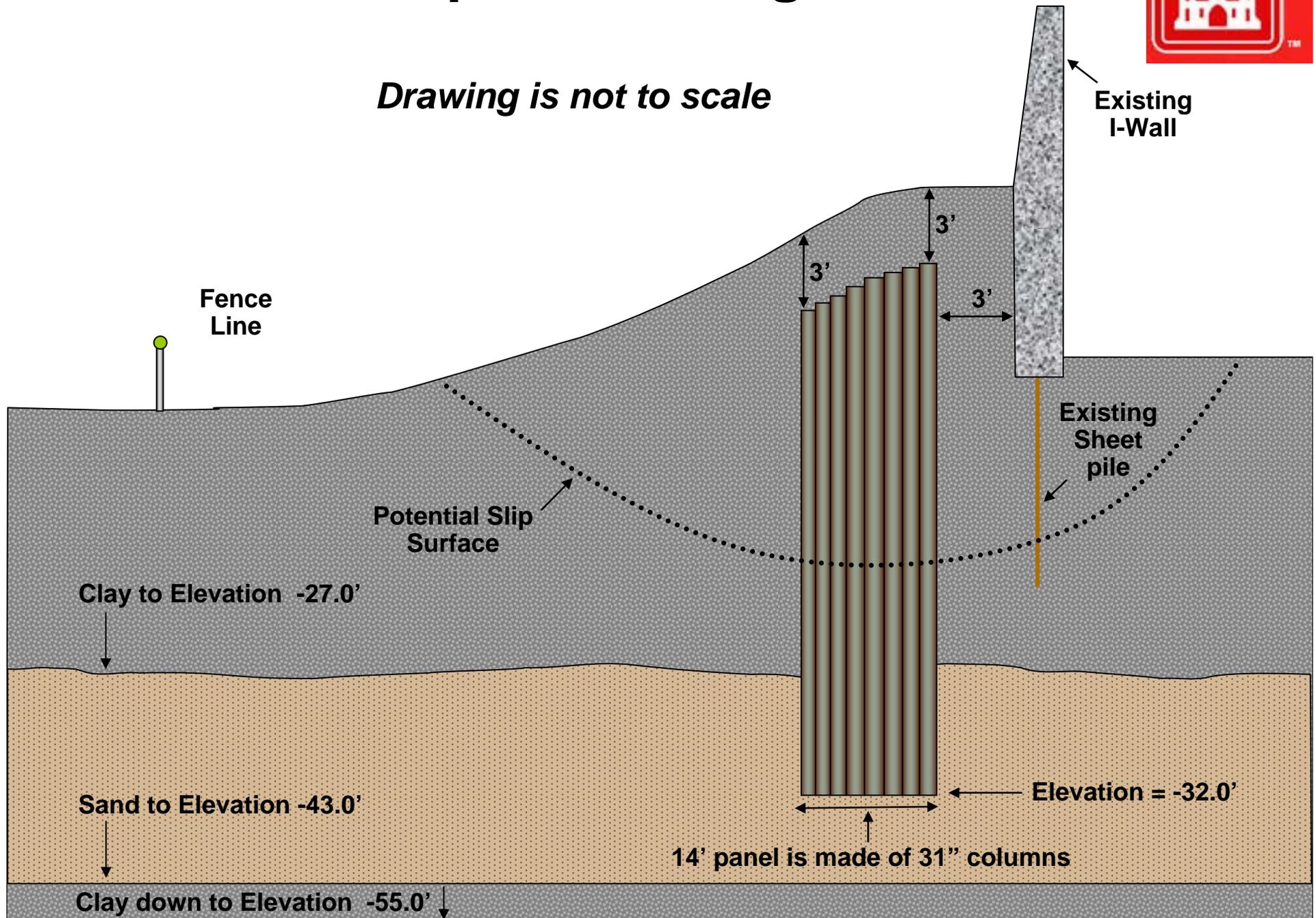
IHNC REACH II - LOW SAFE WATER AREA



Deep Soil Mixing



Drawing is not to scale



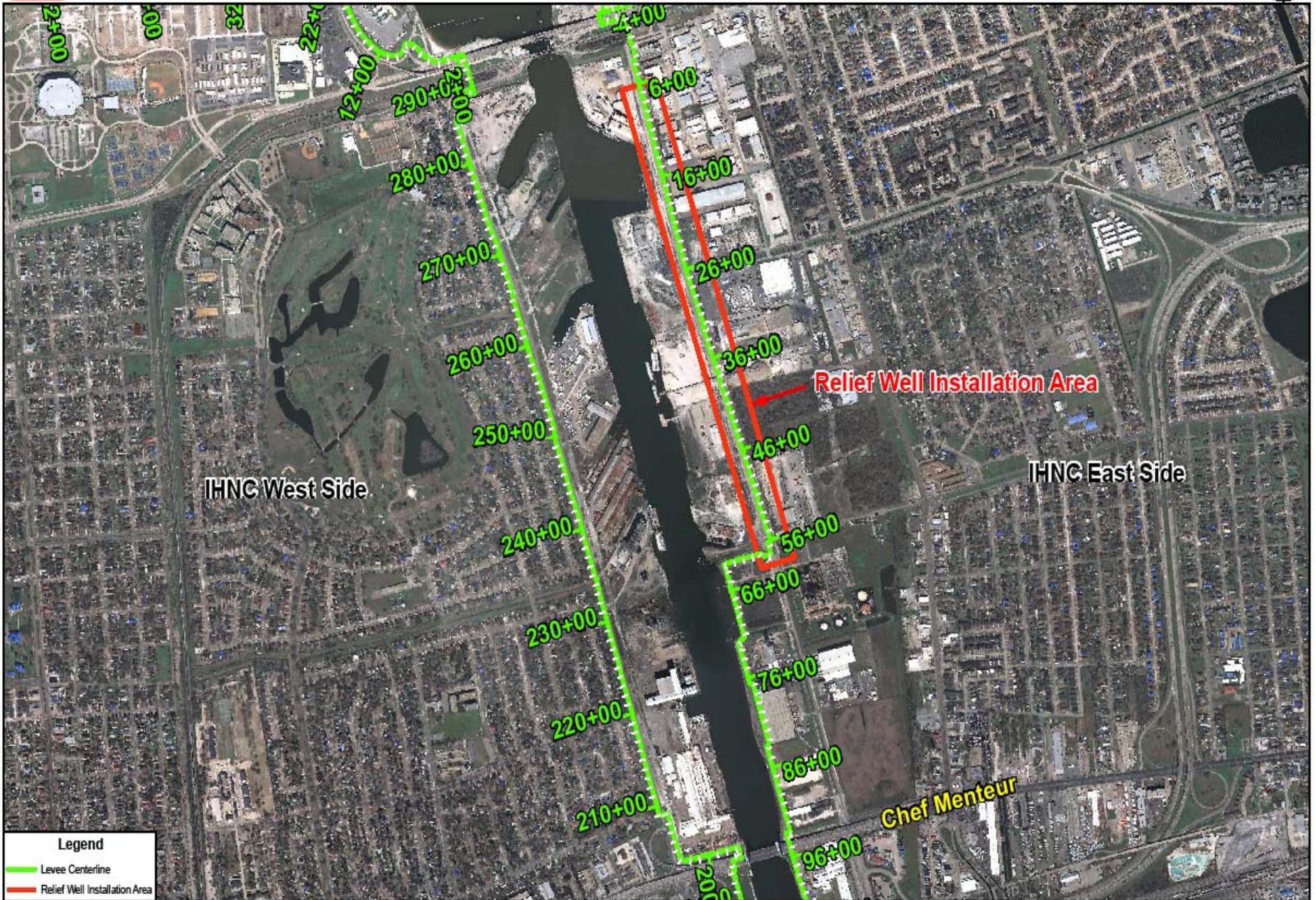
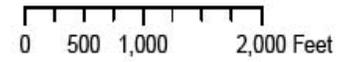


East Wall: Relief Wells



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IHNC REACH II - Relief Well Installation Area

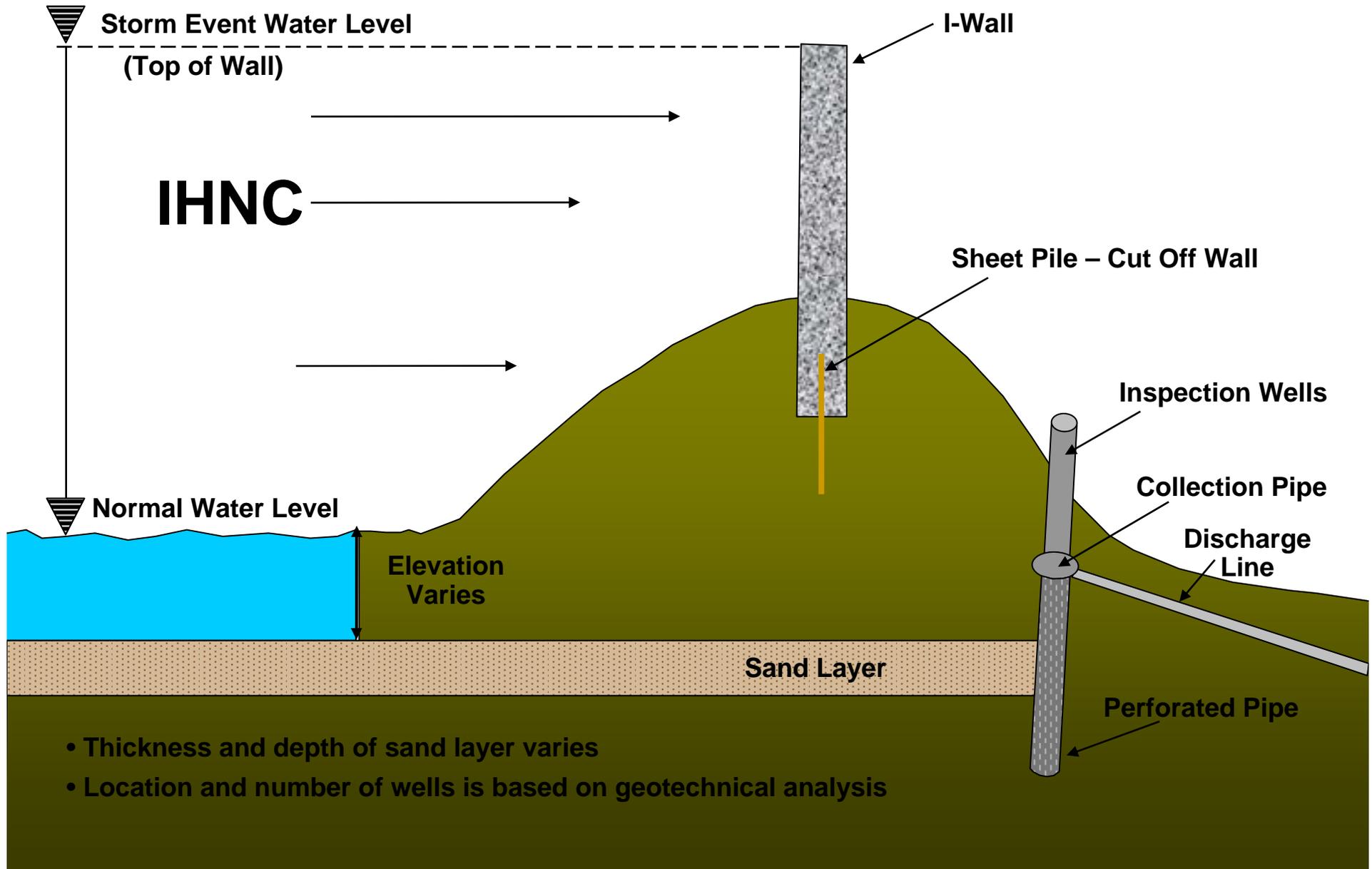


Legend

- Levee Centerline
- Relief Well Installation Area

Relief Wells

Drawing is not to scale



IHNC Tier 2 Borgne Construction Status



- Dredging of the construction access channel is complete.
- Pile testing is 80% complete.
- Mid-March begin filling in MRGO with rock, sand, and Geotextile fabrics.
- Steel and concrete piles are currently being fabricated.
- The deck system for the barrier wall will soon begin fabrication.



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Individual Environmental Report (IER) #4

New Orleans Lakefront Levees & Floodwalls



Where We Are: **Status**

- March/April '07: NEPA Process began with Public Scoping Meetings
- **Nov '07 through present:** Developing alternatives and conducting impacts analysis and soliciting public input
- February '09: Release Draft IER #4
- March 3 '09: Public Meeting

Where We Are Going:

- March 4 '09: End of 30-day Public Review
- District Commander reviews final IER document

New Orleans Lakefront Levee - Current Construction: Phase 1 of 100-year level of protection



LPV 102
Topaz Street to Orleans Avenue:

*Contract Awarded
 3 Oct '07*

99% Complete

LPV 103
Orleans Avenue Canal to London Avenue Canal:

*Contract Awarded
 3 Dec '07*

99% Complete

LPV 104
London Avenue Canal to IHNC:

*Contract Awarded
 13 July '07*

99% Complete

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New Orleans Lakefront Levee Phase 1A & 2 of 100-year Level of Protection



Proposed Work:

- Modifications or replacement of floodwalls / gates
- Additional embankment work to meet new design criteria
- Raise road ramps
- Armoring of transitions & utility crossings

New Orleans Lakefront Levee Phase 1A & 2 of 100-year Level of Protection



LPV 101.02	LPV 103.01A	LPV 103.01A2	LPV 104.01A	LPV 104.02
17th Street Canal to Topaz Street:	Orleans Canal to London	Topaz to London Canal	London Canal to IHNC:	London Canal to IHNC:
Contract Award: Fall '09	Contract Award: Spring '09	Contract Award: Spring '09	Contract Award: Summer '09	Contract Award: Fall '09
Duration: 18 months	Duration: 12 months	Duration: 12 months	Duration: 14 months	Duration: 18 months

IER #4 LPV 101.02

17th St. Canal to Topaz St.



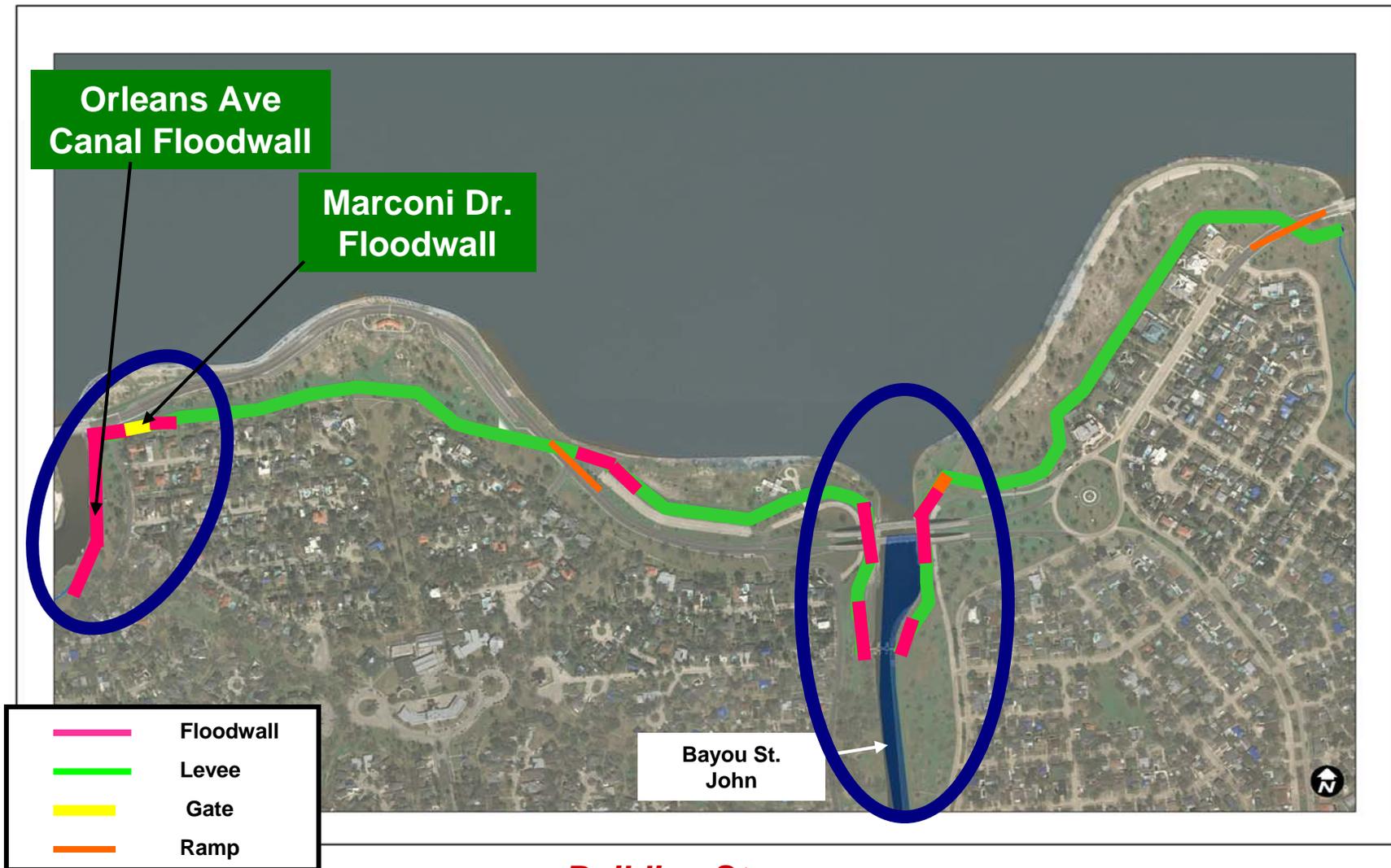
Proposed Action: IER #4 LPV 101.02 **17th St. Canal to Topaz St.**



- **West End levee**
 - Construct floodwall along existing levee alignment
- **Gate L-1A**
 - Remove and replace existing gate
- **Existing floodwall between gates L-1A and L-5**
 - Retrofit / replace existing floodwall and gates
- **Gate L-4 and floodwalls along Pontchartrain Blvd**
 - Realign HPS and construct new floodwall and gate L-4A adjacent to Lake Marina Avenue
- **East End levee between Topaz Street and Gate L5**
 - Construct floodwall along existing levee alignment

IER #4 LPV 103.01A1

Orleans Canal to London Ave



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Proposed Action: IER #4 LPV 103.01A1 **Orleans Canal to London Ave**

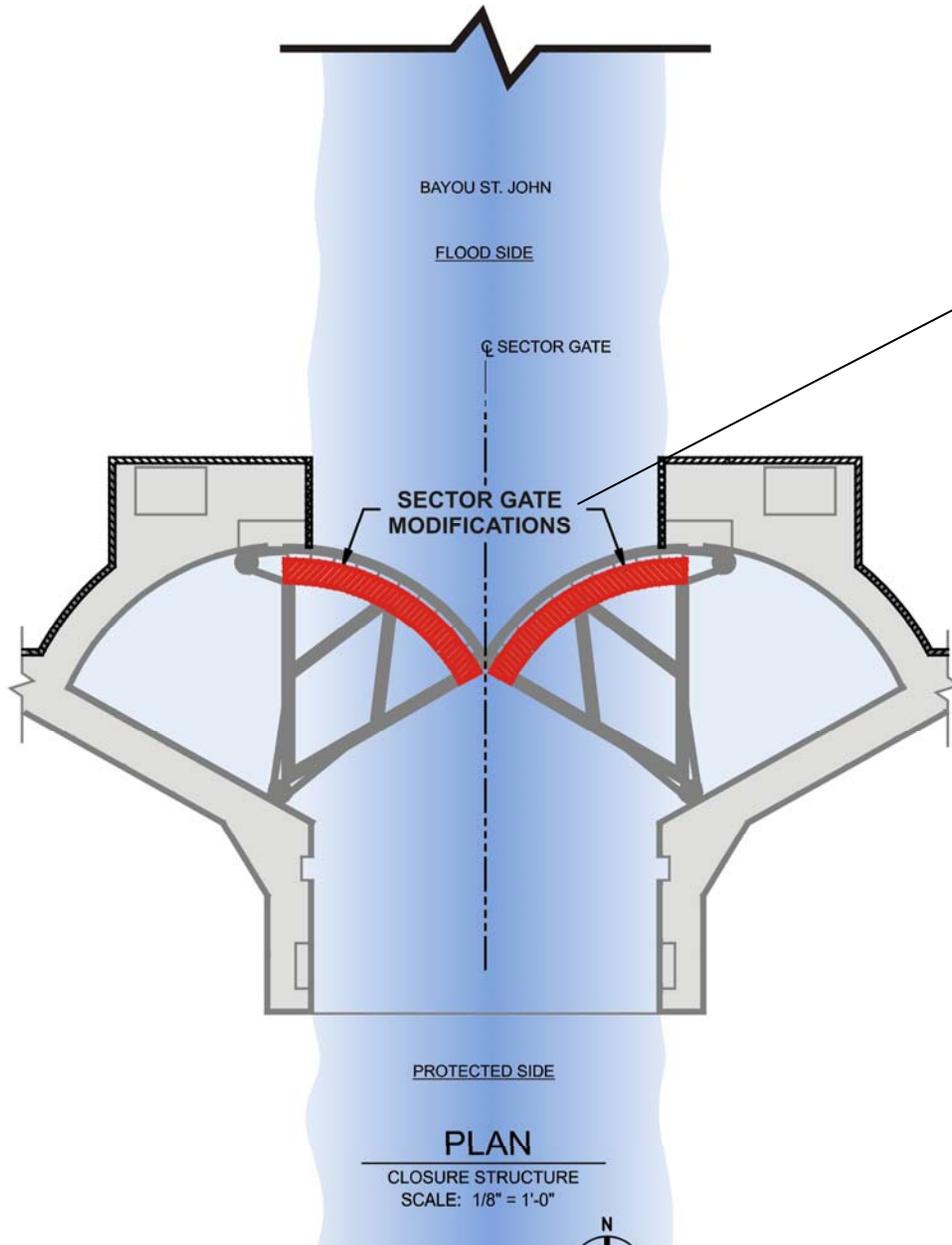


- **Marconi Drive floodwall**
 - Retrofit / replace
- **Orleans Ave canal floodwall**
 - Minor rehabilitation work along scour protection and transformer locations
- **Bayou St. John floodwall & sector gate structure**
 - Raise existing sector gate structure; modify or replace existing adjacent floodwalls and levees

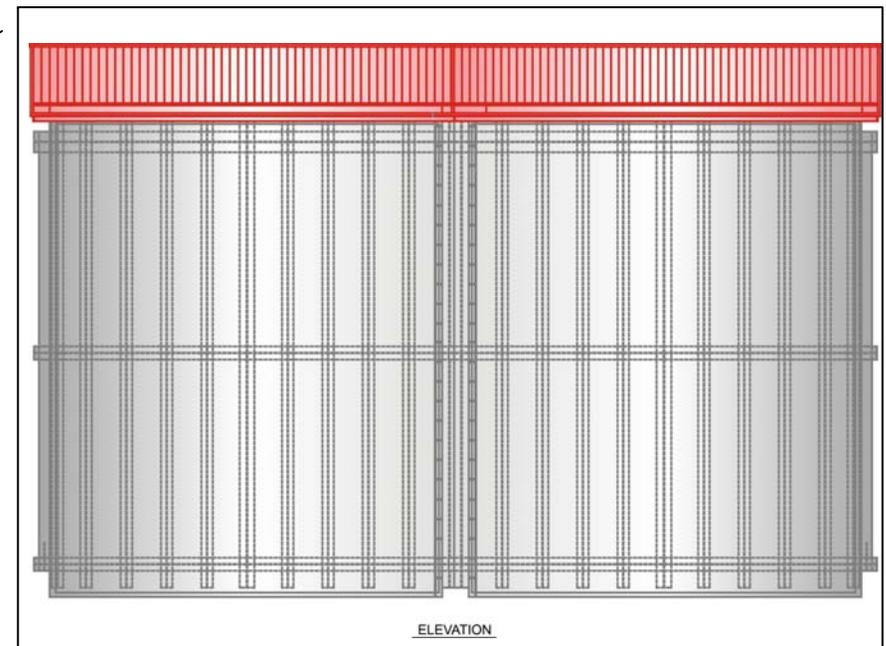
Bayou St. John Sector Gate Modification



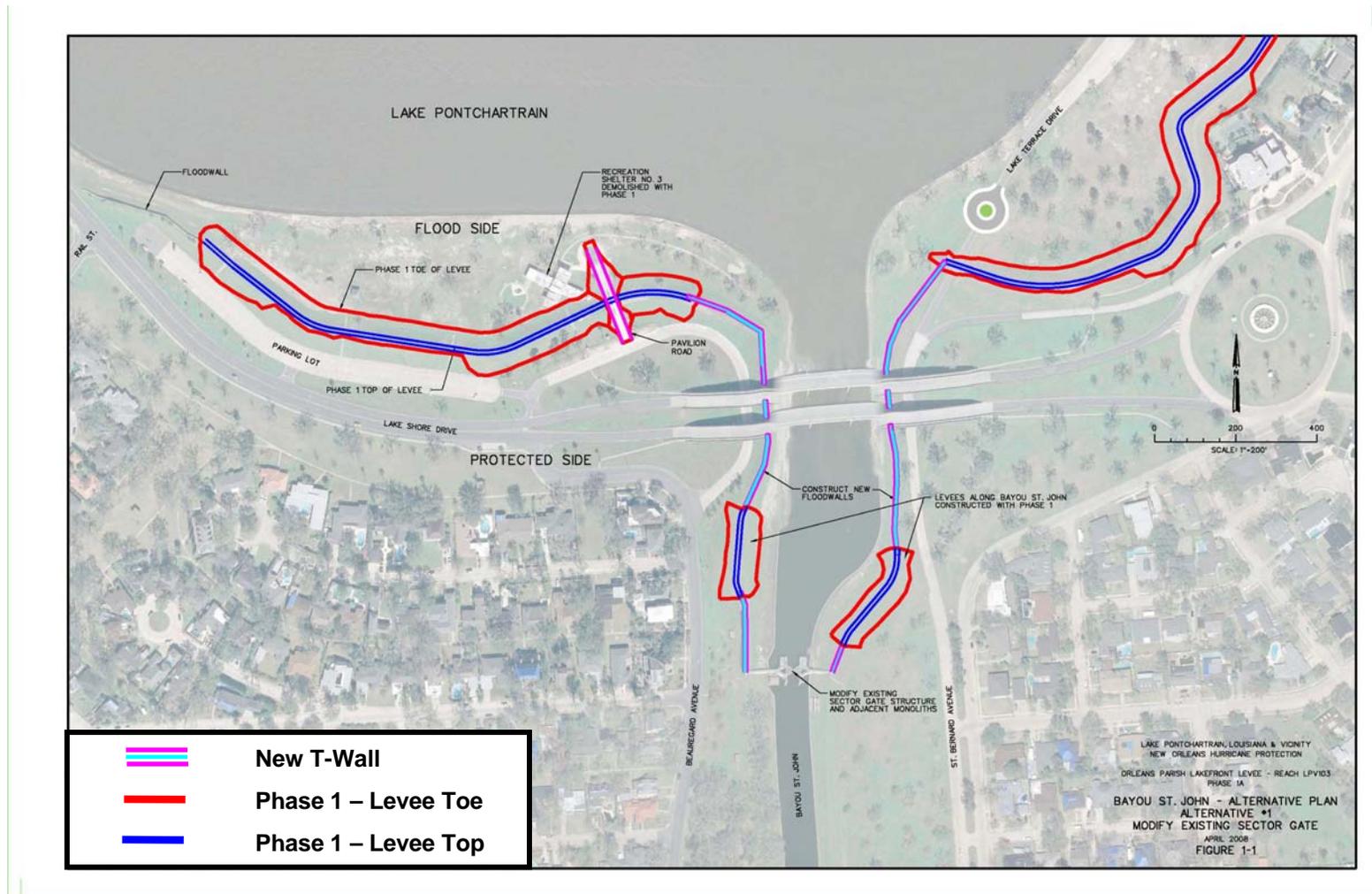
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6" steel plate



IER #4 LPV 103.01A1 – Bayou St. John walls on existing alignment



Proposed Action: IER #4 LPV 103.01A2 **Orleans Canal to London Ave**

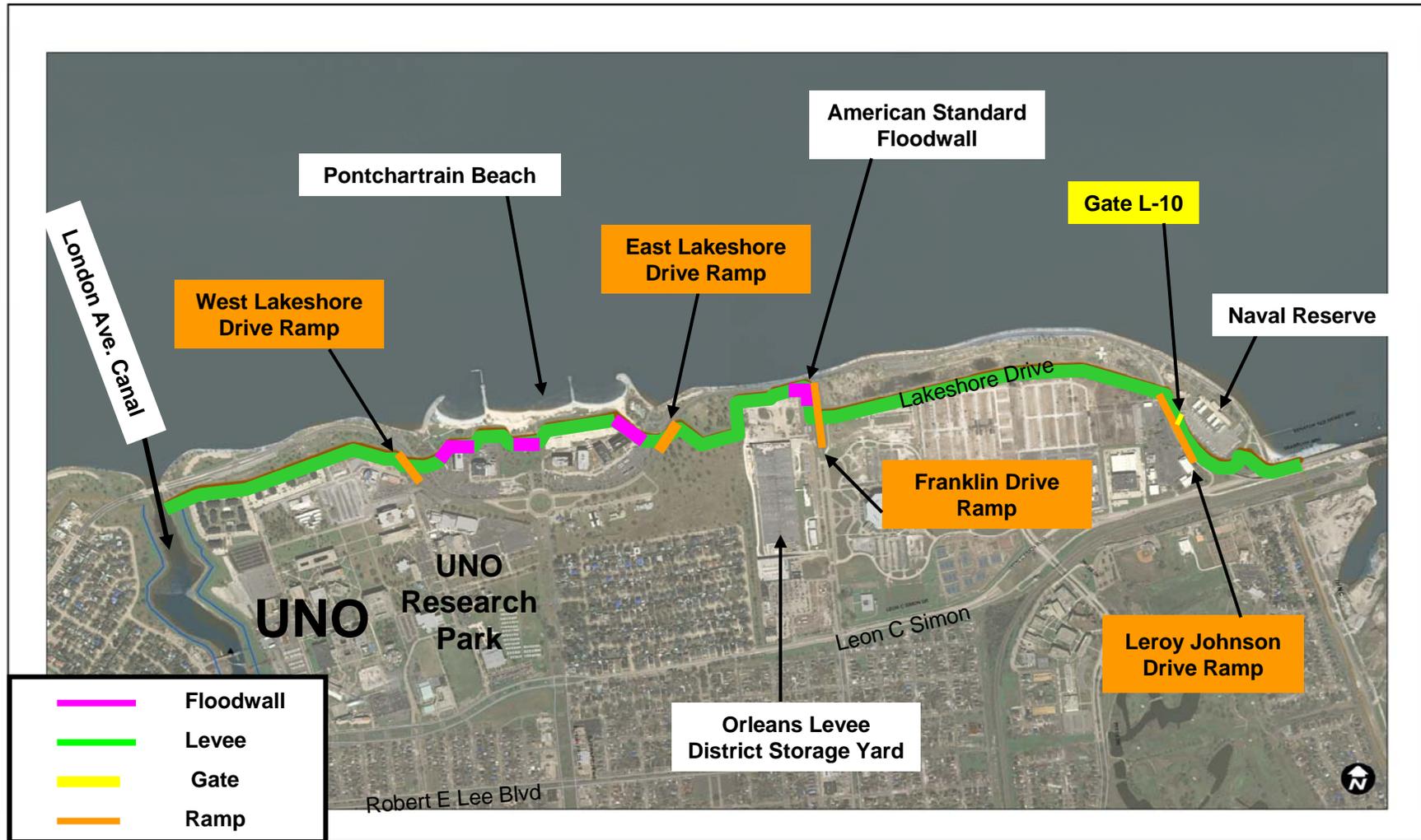


- **Rail Street ramp**
 - **Construct new floodgate**

- **Lakeshore Drive at London Ave Canal ramp**
 - **Construct new floodgate**

IER #4 LPV 104.01

London Ave Canal to IHNC



Proposed Action: IER #4 LPV 104.01 **London Ave Canal to IHNC**



- **Canal Blvd ramp**
 - Raise ramps
- **Lakeshore Drive ramps east / west of UNO research facility**
 - Raise ramps
- **Pontchartrain Beach**
 - Convert I-wall to L-wall on current alignment

Proposed Action: IER #4 LPV 104.01 **London Ave Canal to IHNC**



- **American Standard floodwall**
 - Add scour protection behind I-wall and leave T-wall as is
- **Leroy Johnson Drive Ramp / Franklin Ave Ramp**
 - Raise ramp
- **Gate L-10**
 - Remove gate and replace with levee section
- **Gate L-11**
 - Modify or replace gate

Proposed Action: IER #4 LPV 104.02 **London Ave Canal to IHNC**



- **Seabrook Floodwall**
 - Replace existing floodwall and gates





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
- 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
Telephone: 504-862-1337**

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

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www.nolaenvironmental.gov

PROJECTS MEETINGS LIBRARY DATA VIEWER GET INVOLVED RELATED LINKS

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 16 Western Tie-in 404 \(b\)\(1\) public notice](#)
Comment Period 2/23 - 3/25
- The Decision Record for [IER 12](#) has been signed by the District Commander (*February 18, 2009*)
- The EPA comment period for the Bayou aux Carpes Clean Water Act Section 404(c) modification request has been extended through [February 23, 2009](#)
- Draft [IER 4](#) Public Comment Period 2/3 - 3/4

[More...](#)

Upcoming

- [03/03/2009 - Public Meeting \(IER 4 and 11 Tier 2 Pontchartrain\)](#)
- [03/04/2009 - Draft IER 4 Public Comment Period Ends](#)

[More...](#)

Newly Available

NEW >> [NOLA Environmental Basic Data Viewer](#)

- [News Release 25 February 09 Orleans and St. Bernard March Public Meetings](#)
- [IER 16 Western Tie-in 404 \(b\)\(1\) Public Notice](#)

[More...](#)

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to the US Army Corps of Engineers
New Orleans District



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IHNC Seabrook video is available on nolaenvironmental.gov.

From www.nolaenvironmental.gov, select the "Projects" tab, then select "IER 11"

Under "IER 11 Related Information", click the link called "[IER 11 Tier 2 Seabrook Floodgate Alt Construction Sequencing for the IHNC Video](#)"