

New Orleans East – Construction Update & Individual Environmental Report Supplemental (IERS) #11b – Tier 2 Borgne

Improved Protection on the Inner Harbor Navigation Canal

**St. Maria Goretti Church
October 26, 2010**



**US Army Corps of Engineers
BUILDING STRONG®**



Agenda

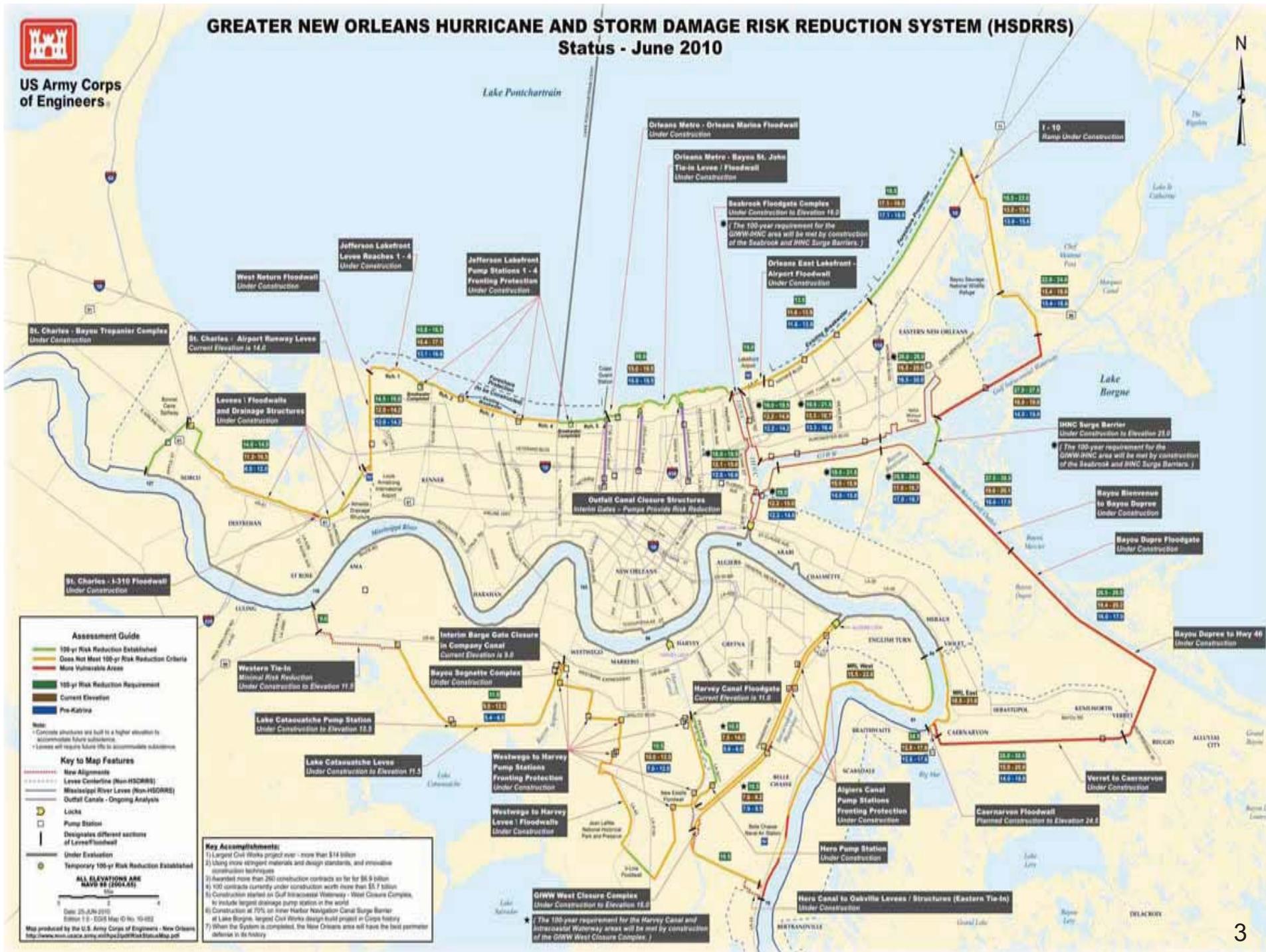
- Hurricane & Storm Damage Risk Reduction System Update
- National Environmental Policy Act
- New Orleans East Construction Update
- IER Supplemental 11b Tier 2 Borgne



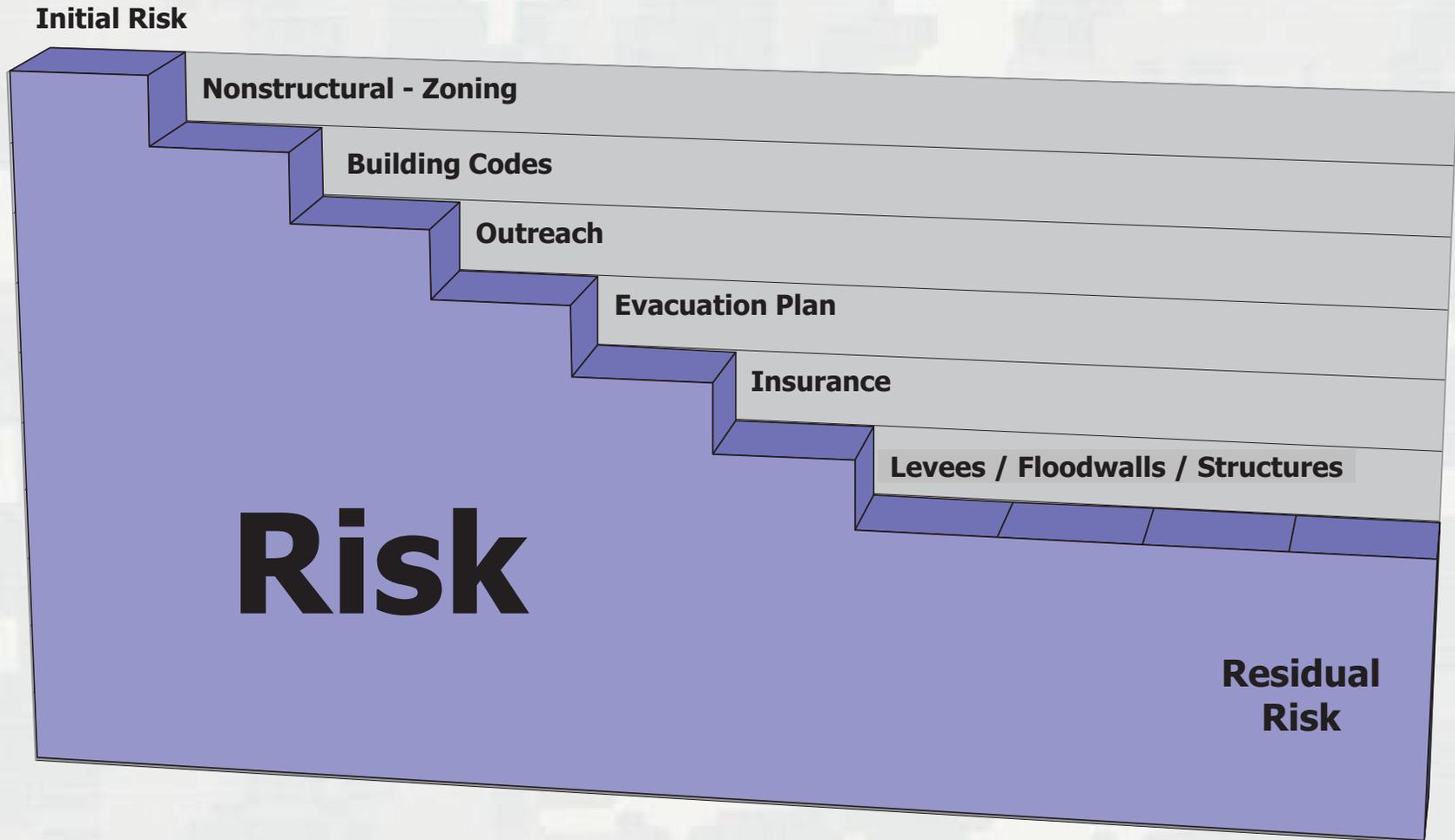


US Army Corps of Engineers

GREATER NEW ORLEANS HURRICANE AND STORM DAMAGE RISK REDUCTION SYSTEM (HSDRRS) Status - June 2010



Risk – Shared Responsibility

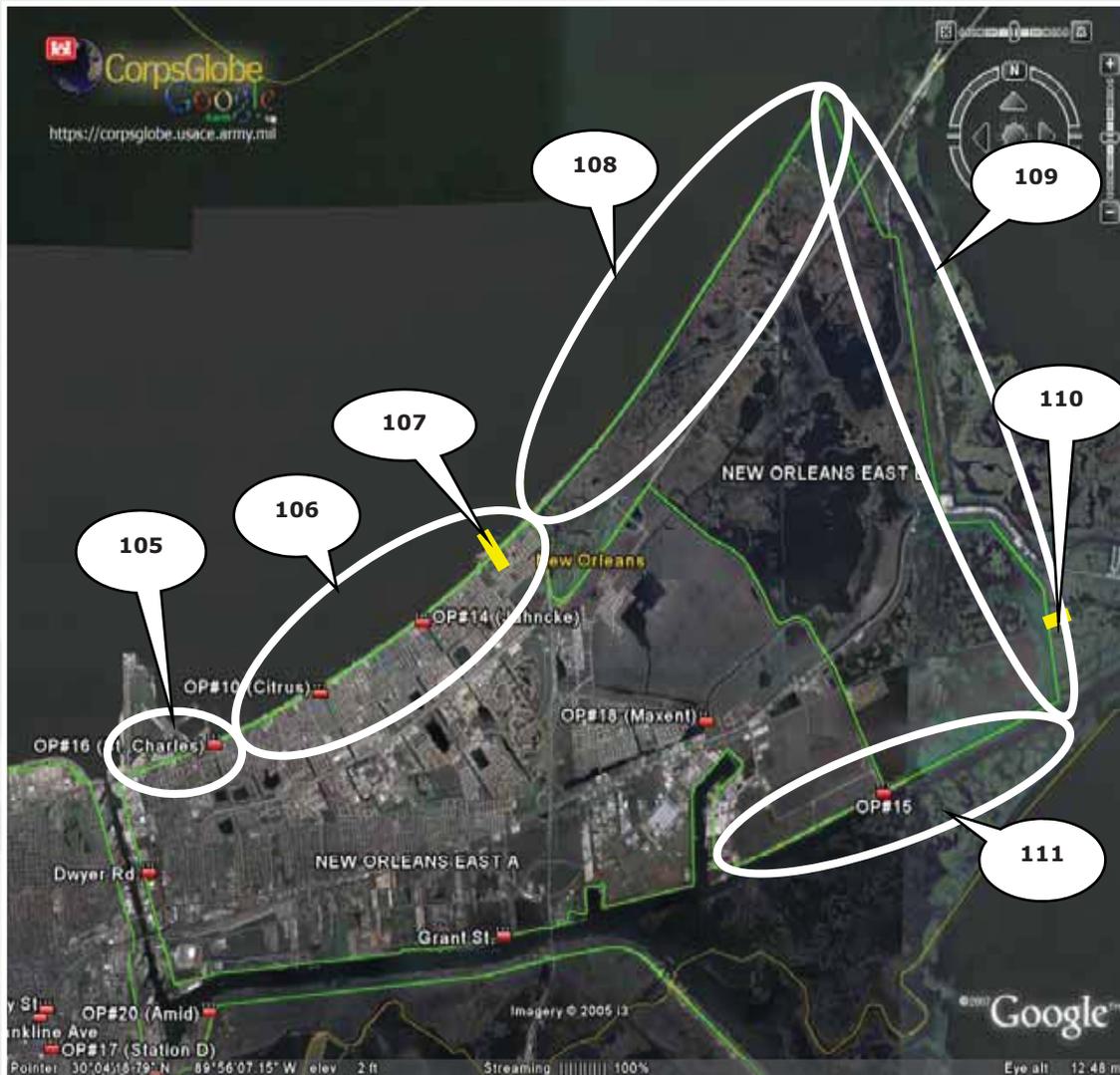


National Environmental Policy Act “NEPA”

- 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**



New Orleans East Risk Reduction Projects



- Construction value: \$800 M - \$1 B
- Floodwalls: 7 miles
- Levees: 20 miles
- Gates: 5
- Interstate Crossing: 1
- Pump Stations: 6



LPV 105: Lakefront Airport



Project Description

- Replace existing floodwall to 15.5'.
- Raise levee to 13'.
- Construct 80' wide floodgate across Downman Road.

Construction Status

- LPV 105.01 (West Floodwall) - 9% complete.
- LPV 105.02 (East Floodwall) - 2% complete.
- Road closure at Downman Road and Hayne Boulevard will remain in effect through November 2010.
- All work will be finished in June 2011.



LPV 106: Citrus Levee



Project Description

- Raise levee to 13'.
- Install positive cutoff / drainage culverts for Citrus / Jahncke Pump Stations.

Construction Status

- LPV 106 - 2% complete.
- 100-year elevation will be attained in April 2011.



LPV 108: Paris Road to South Point



Project Description

- Raising 33,100 feet of levee to between 17' and 18'.
- Adding new floodwall at Collins Pipeline.

Construction Status

- Levee Raise – 100% complete
- Floodwall at Collins Pipeline – 100% complete.



LPV 109 (Southpoint to CSX Railroad)

Project Description

- Raise 7.5 miles of existing levee to 100-year elevation (increased avg. elevation by 6 ft and avg. base width by 250 ft).
- Construct a 50-foot-wide gate at Highway 11 and a 38-foot-wide gate at Highway 90.

Construction Status

- LPV 109 - 26 % complete.
- All work will be finished in June 2011.



LPV 109 (Southpoint to CSX Railroad)



New Orleans East – Sand Drainage Blanket



LPV 110: CSX Railroad Gate



Project Description

- Replace existing railroad gate and floodwalls and raise them to an elevation of 30 feet.



Status

- The Corps awarded the contract in April 2010.
- Construction will begin soon, and 100-year elevation is expected to be attained in May 2011.



LPV 111.01: CSX RR to Michoud Canal



Project Description

- Raise 5.4 miles of existing levee to hundred year elevations via deep soil mixing (increased elevation by 5 ft and base width by 70 ft)
- Raise T-wall around Pump Station No. 15.
- Add a floodwall tie-in from the levee to the IHNC Surge Barrier.

Status

- The deep soil mixing operation is 61% complete.
- Project completion: June 2011



LPV 111 (CSX Railroad to Michoud Canal)



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New Orleans East - Deep Soil Mixing



New Orleans East – IHNC North Floodwall Tie-in

New Floodwall

Old Floodwall

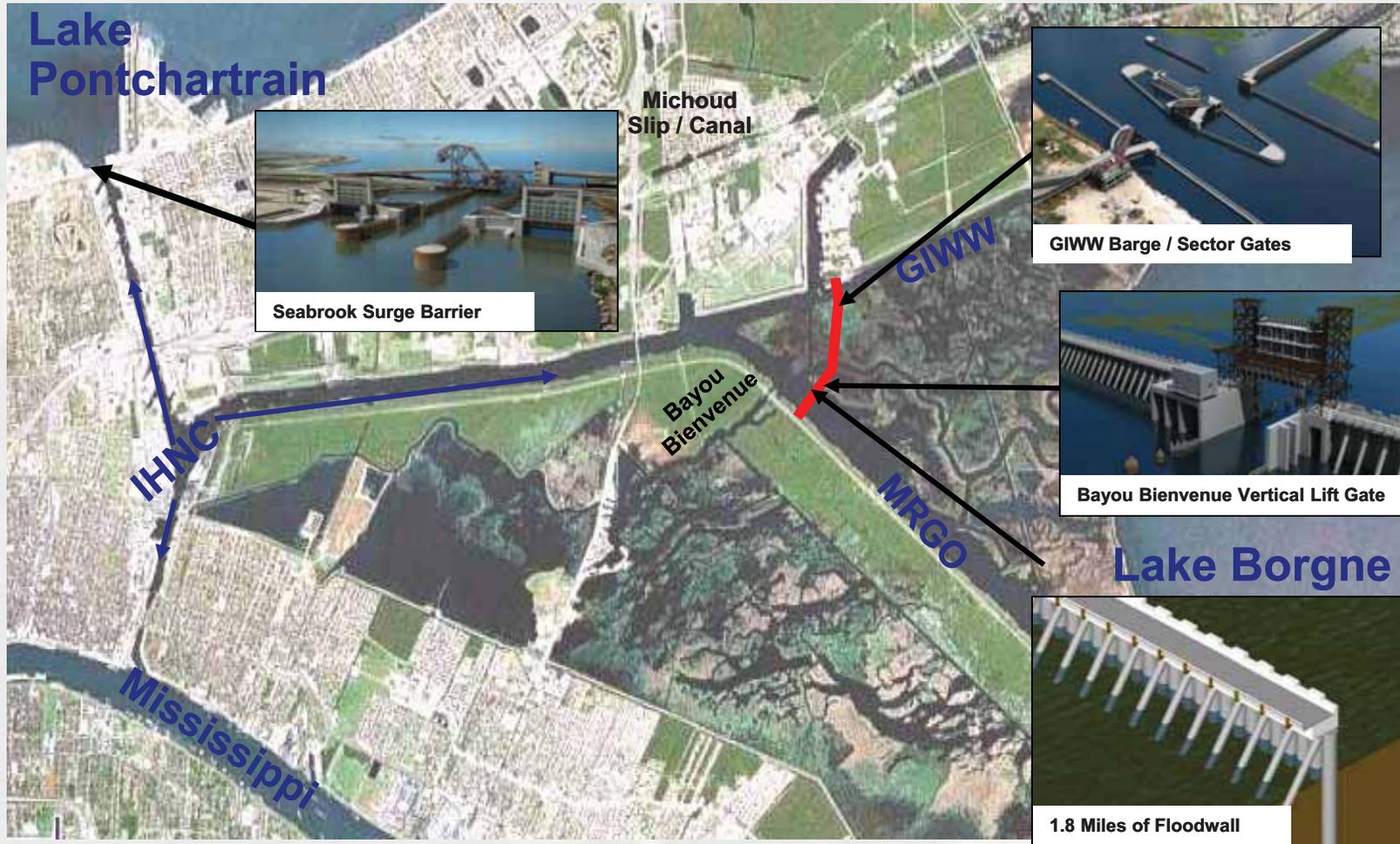


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New Orleans East – IHNC North Floodwall Tie-In



Inner Harbor Navigation Canal System



IHNC-Lake Borgne Surge Barrier



IHNC-Lake Borgne Surge Barrier



IHNC Lake Borgne Surge Barrier



Inner Harbor Navigation Canal *Lake Pontchartrain (Seabrook) Surge Barrier*



Conceptual



Inner Harbor Navigation Canal

Lake Pontchartrain (Seabrook) Surge Barrier



- Seabrook will consist of one sector gate and two vertical lift gates 540 feet south of the Senator Ted Hickey Bridge.
- The final construction option was exercised in July 2010.
- A cofferdam will be in place by spring 2011.



Inner Harbor Navigation Canal *Lake Pontchartrain (Seabrook) Surge Barrier* *Construction Under way*



IER Supplemental 11b -Tier 2 Borgne

Where We Are:

- October 15, 2010: Released Draft IERS 11b Tier 2 Borgne for 30-day public comment period.

Where We Are Going:

- November 13, 2010: Public comment period will end at midnight.
- IER Decision Record by New Orleans District Commander



Purpose and Need



Restore and reinforce portions of 4.6 miles of levees and floodwalls along the Inner Harbor Navigation Canal so that they meet the necessary factors of safety for stability and seepage, as dictated by current Hurricane & Storm Damage Risk Reduction System design guidelines.

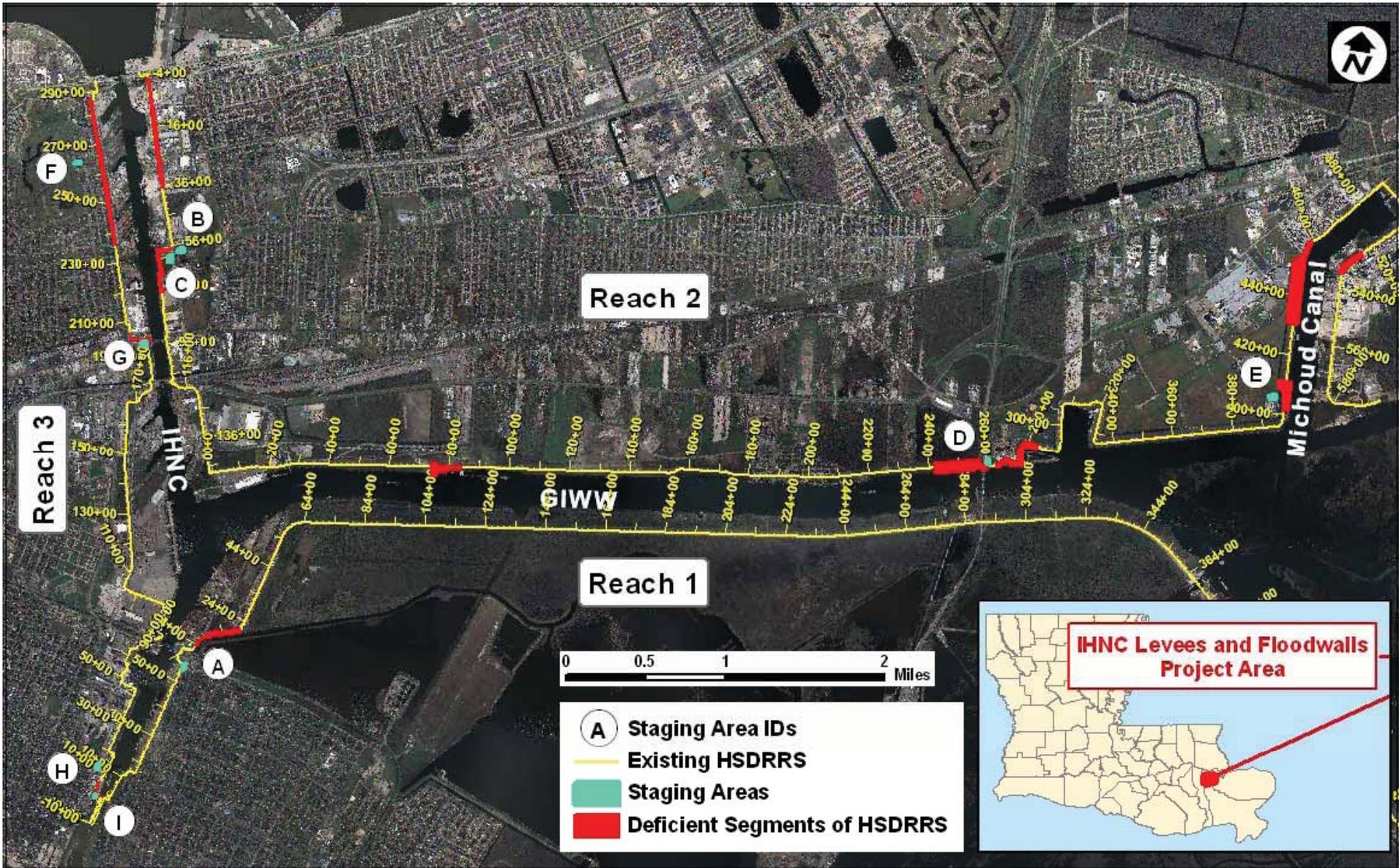


Project Overview of Proposed Action

- ▶ **Reach 1 – approximately 1,200 feet of deficient areas**
- ▶ **Reach 2 – approximately 16,700 feet of deficient areas**
- ▶ **Reach 3 – approximately 6,300 feet of deficient areas**

- ▶ **Types of Remediation**
 - **Deep Soil Mixing – for strengthening the canal levees.**
 - **Concrete Slab – for resisting deflection (bending) of canal floodwalls.**
 - **Stability Berms – for strengthening the canal levees.**
 - **Buttress Wall – for strengthening the canal floodwalls.**
 - **Relief Wells – for intercepting seepage.**





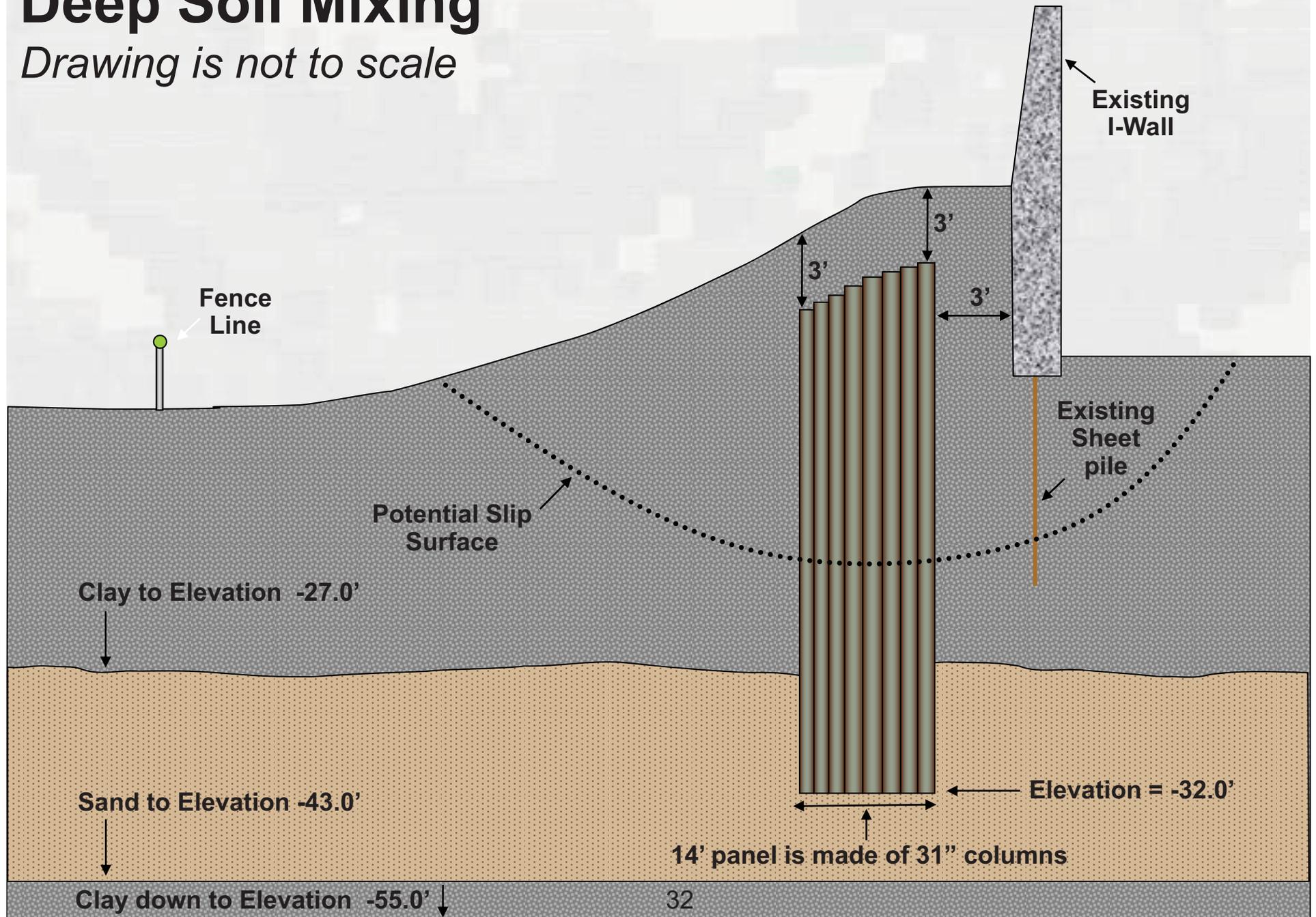
Proposed Construction Schedule

- Contracts would be advertised in early 2011.
- Construction would complete by June 1, 2011.
- All restoration / reinforcement construction would occur entirely within the existing levee / floodwall Right of Way.



Deep Soil Mixing

Drawing is not to scale



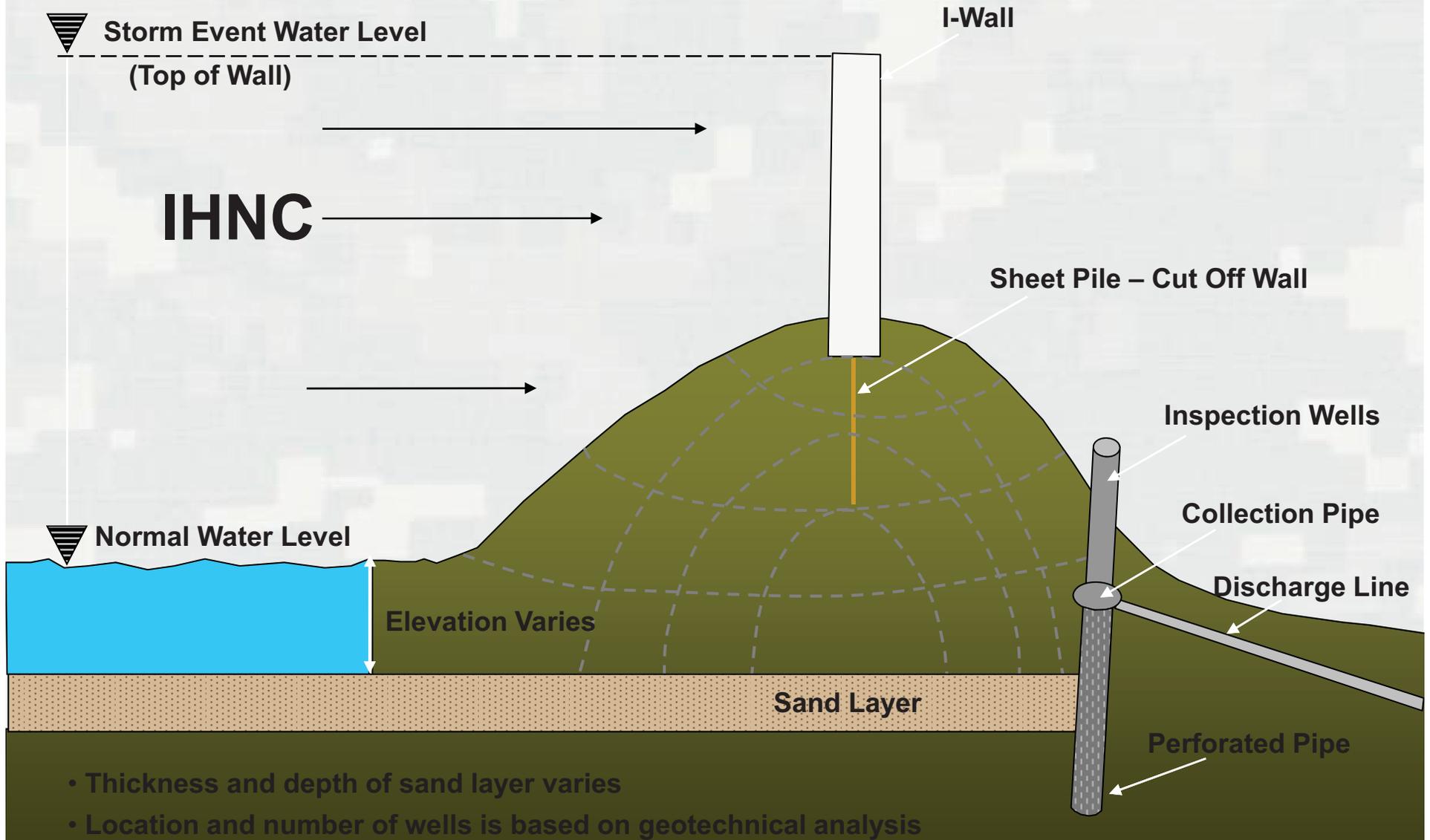
Deep Soil Mixing For Soil Strengthening



Inner Harbor Navigation Canal – East Wall



Relief Wells



Relief Wells

For Intercepting Seepage

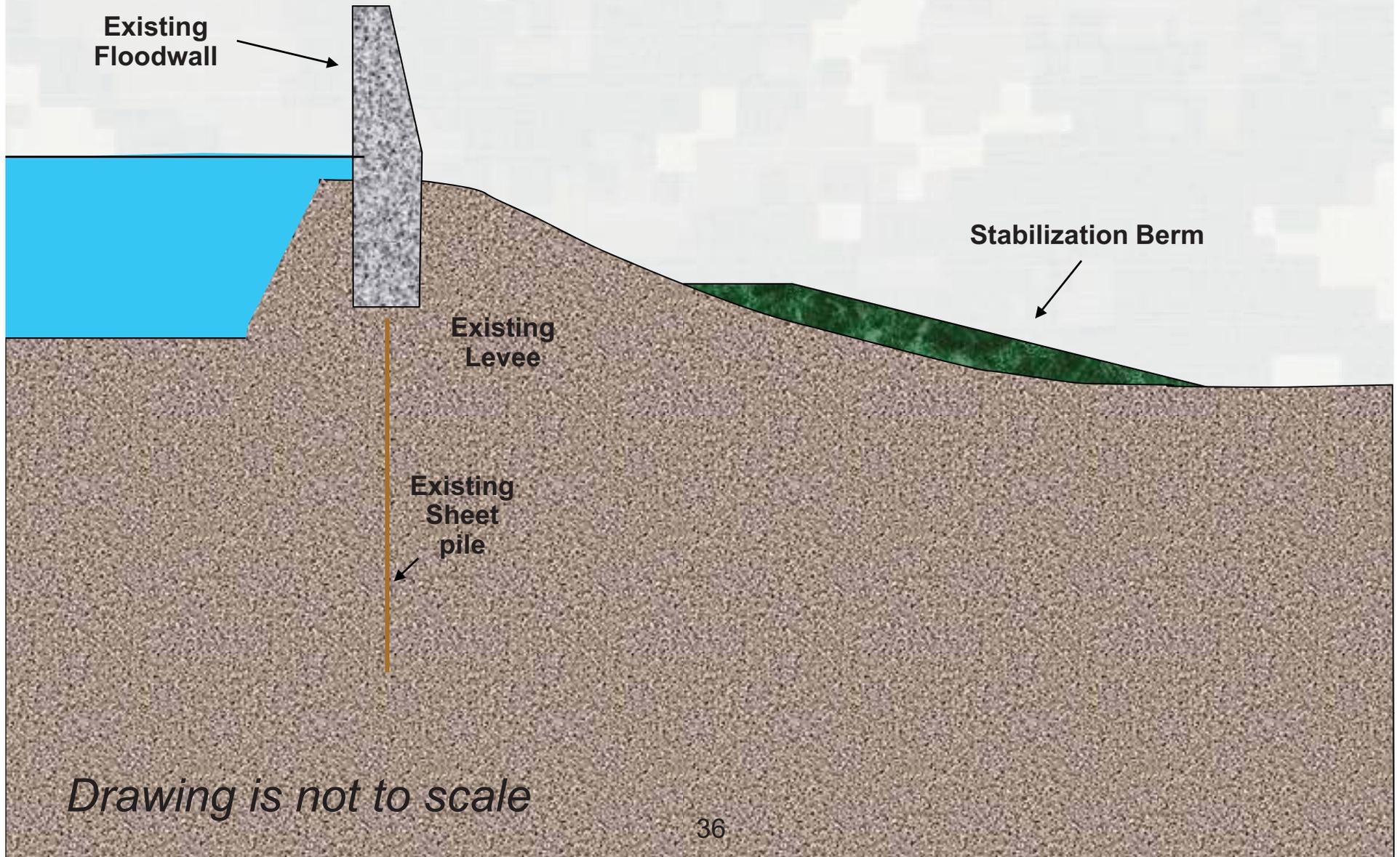


Inner Harbor Navigation Canal – West Wall

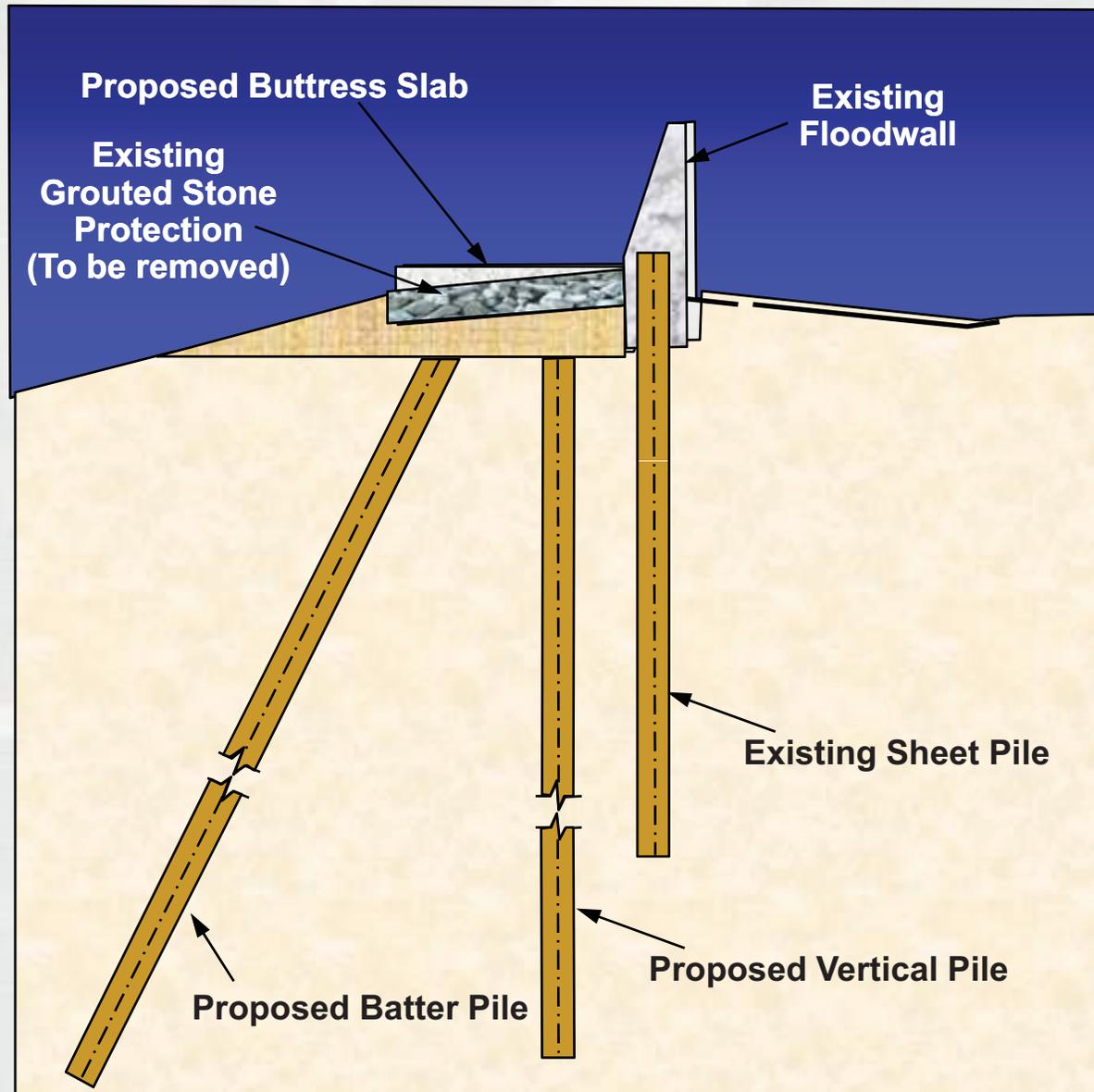


Stabilization Berm on Protected Side

To Strengthen the Canal Levees (increase Factor of Safety of the Embankment)



Buttress Wall



What To Expect During Construction

- **Construction impacts**
 - ▶ Elevated noise levels from motors, pumps, generators, etc.
 - ▶ Road access will be limited at times
 - ▶ Extended work hours (6 days per week up to 12 hours per day)

- **Efforts to minimize impacts**
 - ▶ Trucks will utilize only approved haul routes

**CONSTRUCTION IMPACTS HOTLINE
877-427-0345**



Currently Available for Public Review

- IER 11.b Supplemental – Improved Protection on the Inner Harbor Navigation Canal
 - Public review until midnight on Nov. 13, 2010
- IER 12 Supplemental Addendum - Belle Chasse Tunnel Construction Impacts and "Westbank N" disposal site
 - Public Review until midnight on Nov. 18, 2010
- Comments can be submitted by:
 - Calling 504-862-1544
 - E-mailing mvnenvironmental@usace.army.mil
 - Or at any time at www.nolaenvironmental.gov



Upcoming Public Meetings

Monday, Nov. 8, 2010

IER 11b Supplemental public meeting
Light City Church
6117 Saint Claude Ave
New Orleans, LA
Open House 6 to 6:30 p.m.
Presentation 6:30 p.m.

Tuesday, Nov. 9, 2010

LCA - Myrtle Grove Construction Report Scoping Meeting - Crown Point Joseph's Hall
8151 Barataria Blvd
Crown Point (Marrero) LA 70072
Open House 6 to 6:30 p.m.
Presentation 6:30 p.m.

Wednesday, Nov. 10, 2010

LCA - Myrtle Grove Construction Report Scoping Meeting – Lafourche South Lafourche Levee District
17904 Hwy 3235
Galliano, LA 70354
Open House 6 to 6:30 p.m.
Presentation 6:30 p.m.

Thursday, November 18, 2010

LCA - Myrtle Grove Construction Report Scoping Meeting - Plaquemines Woodland Plantation
21997 Highway 23
West Point a La Hache (Port Sulphur), LA 70083
Open House 6:00 to 6:30 p.m.
Presentation 6:30 p.m.



Opportunities for Public Input

- Regular Public Meetings throughout the Hurricane and Storm Damage Risk Reduction System (HSDRRS) 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 Risk Reduction Projects should be addressed to:

Patricia Leroux
PM-RS
P.O. Box 60267
New Orleans, LA 70160-0267
Telephone: 504-862-1544

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



Web-based Resources

www.nolaenvironmental.gov

<http://www.mvn.usace.army.mil>

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US Army Corps
of Engineers
New Orleans District

Social Web Networking Communities

and what they mean to you

twitter



is an online messaging and social networking system that allows people to share their daily life experiences minute-by-minute, hour-by-hour, and/or day-by-day via their computer or mobile phone. Team New Orleans is joining in and taking on the opportunity to tweet with the public and offer reports on developments, additions, changes, and upcoming public meetings and events that will affect local communities. Check it out by going to twitter.com/teamneworleans.

Flickr is an online community platform for global photo management and sharing applications via the web. Team New Orleans has become a part of the movement and is using Flickr to visually explain our projects. Check out our photos at

www.flickr.com/photos/37671998@N05.

flickr



facebook

is a global social networking Web site that links people from across the world and is currently ranked as the most popular of its kind. Team New Orleans is following in the trend and is using Facebook to update the

public about projects, events, activities and public meetings.

Become friends with Team New Orleans by visiting www.facebook.com, search New Orleans District.

