

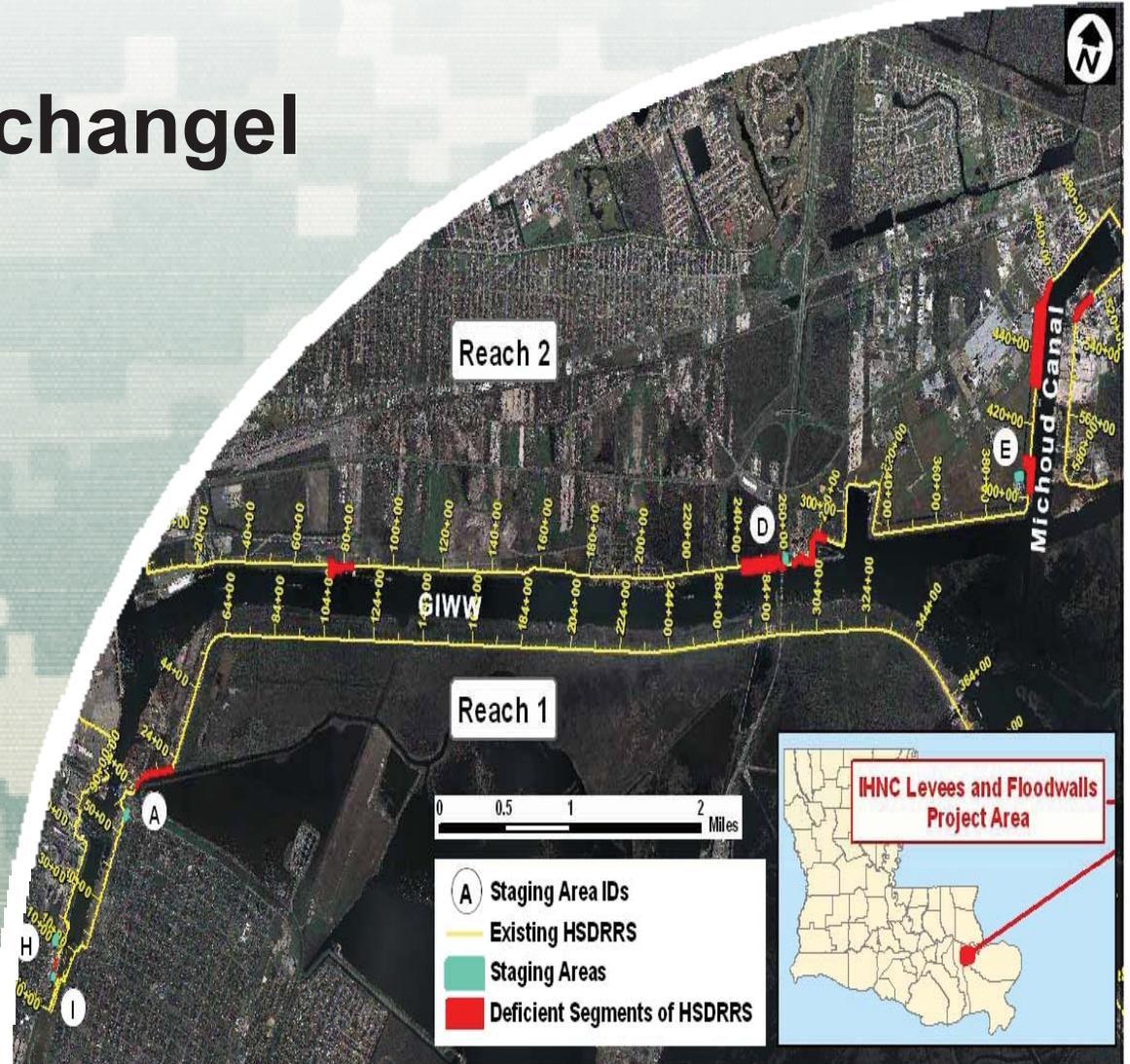
Individual Environmental Report Supplemental (IERS) #11b – Tier 2 Borgne Improved Protection on the Inner Harbor Navigation Canal

St. Gabriel the Archangel Catholic Church

October 13, 2010



U.S. Army Corps of Engineers
ENGINEERING STRONG



Agenda

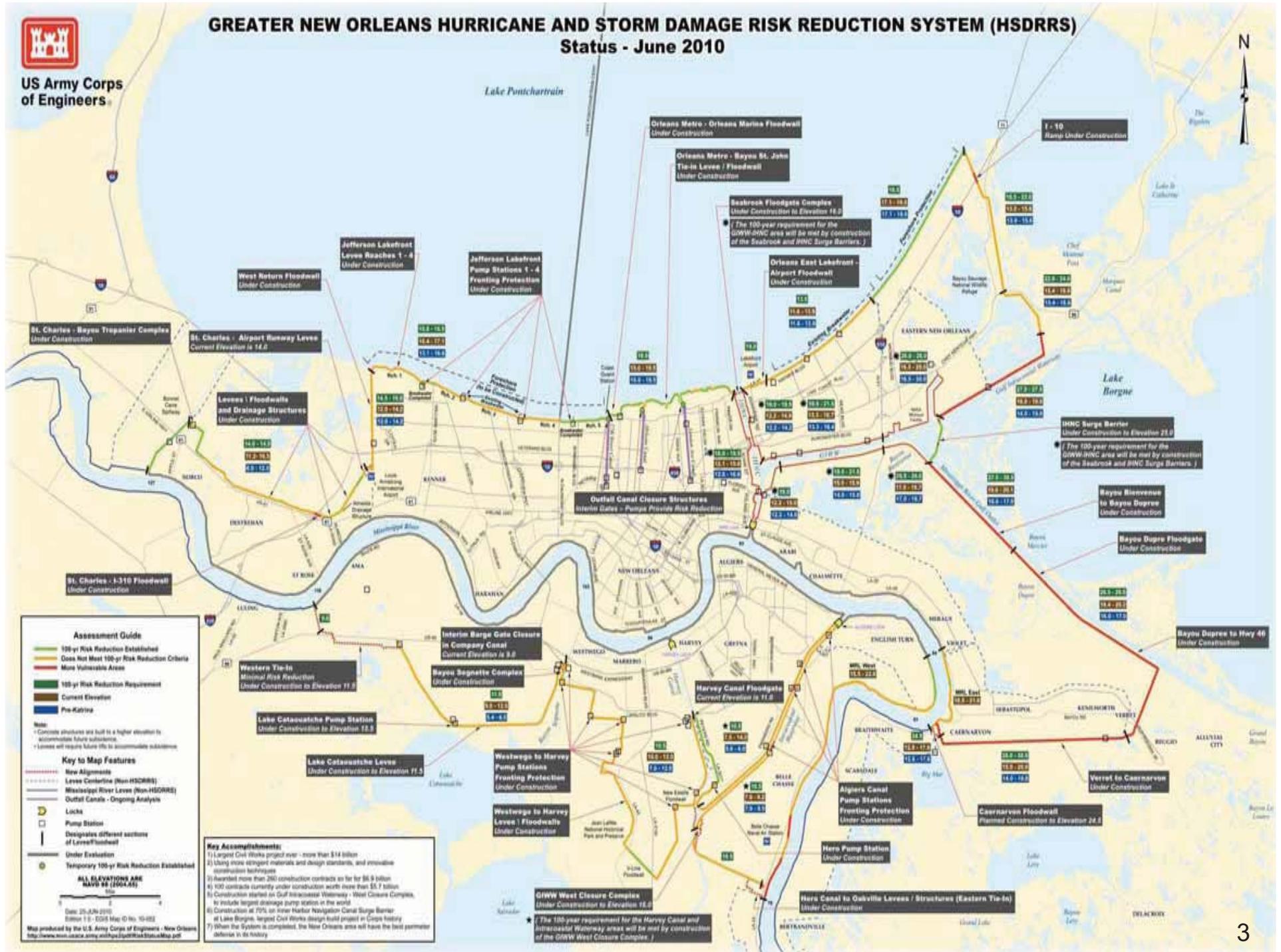
- Hurricane & Storm Damage Risk Reduction System Update
- National Environmental Policy Act
- Purpose and Need
- Project Overview of Proposed Action
- Proposed Construction Schedule
- Types of Remediation
- Construction Impacts



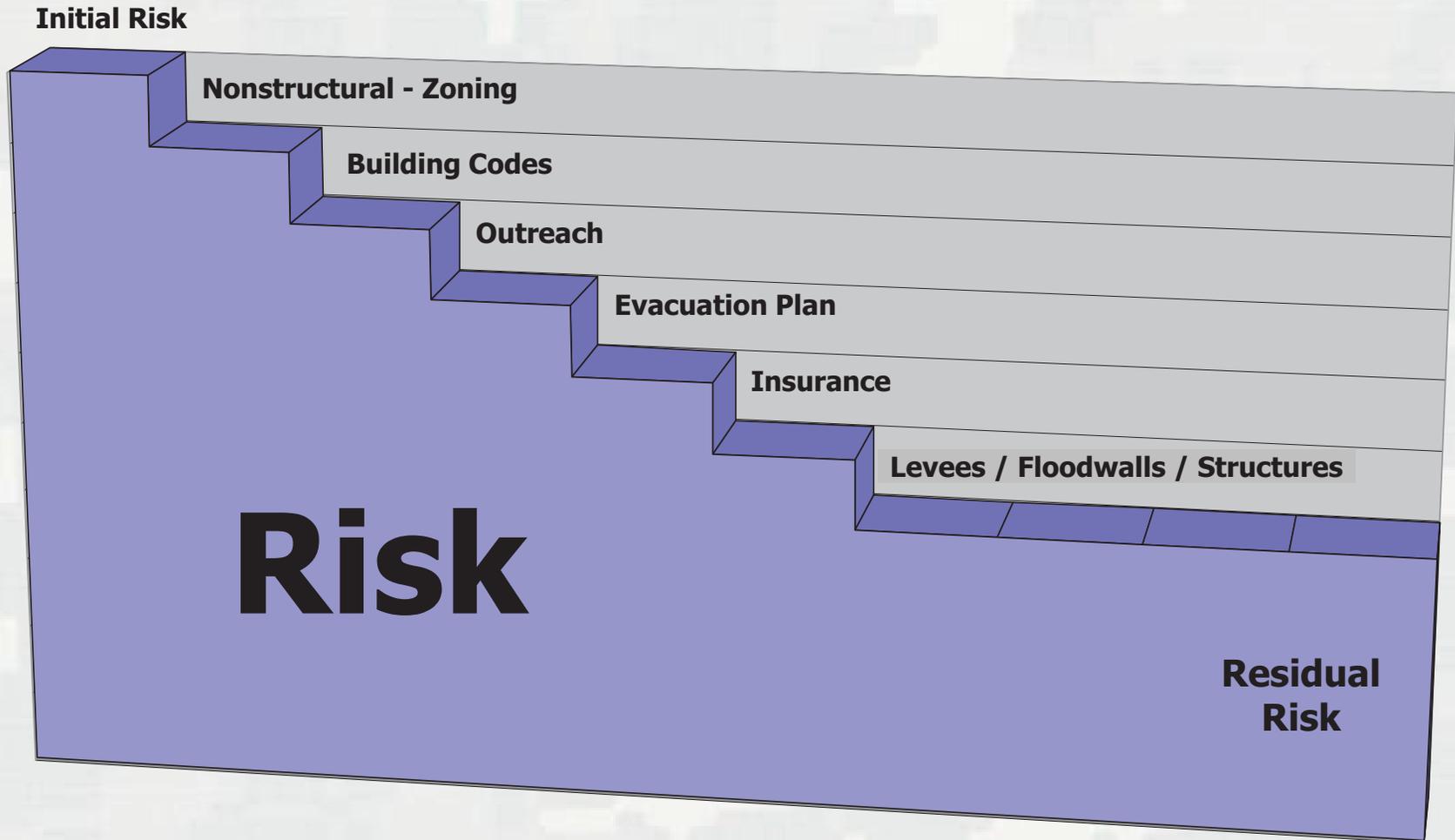


US Army Corps of Engineers

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**



IER Supplemental 11b -Tier 2 Borgne

Where We Are Going (approximate dates):

- Oct '10: Release Draft IERS 11b Tier 2 Borgne for 30-day public comment period
- Nov '10: IER Decision Record by New Orleans District Commander



Purpose and Need



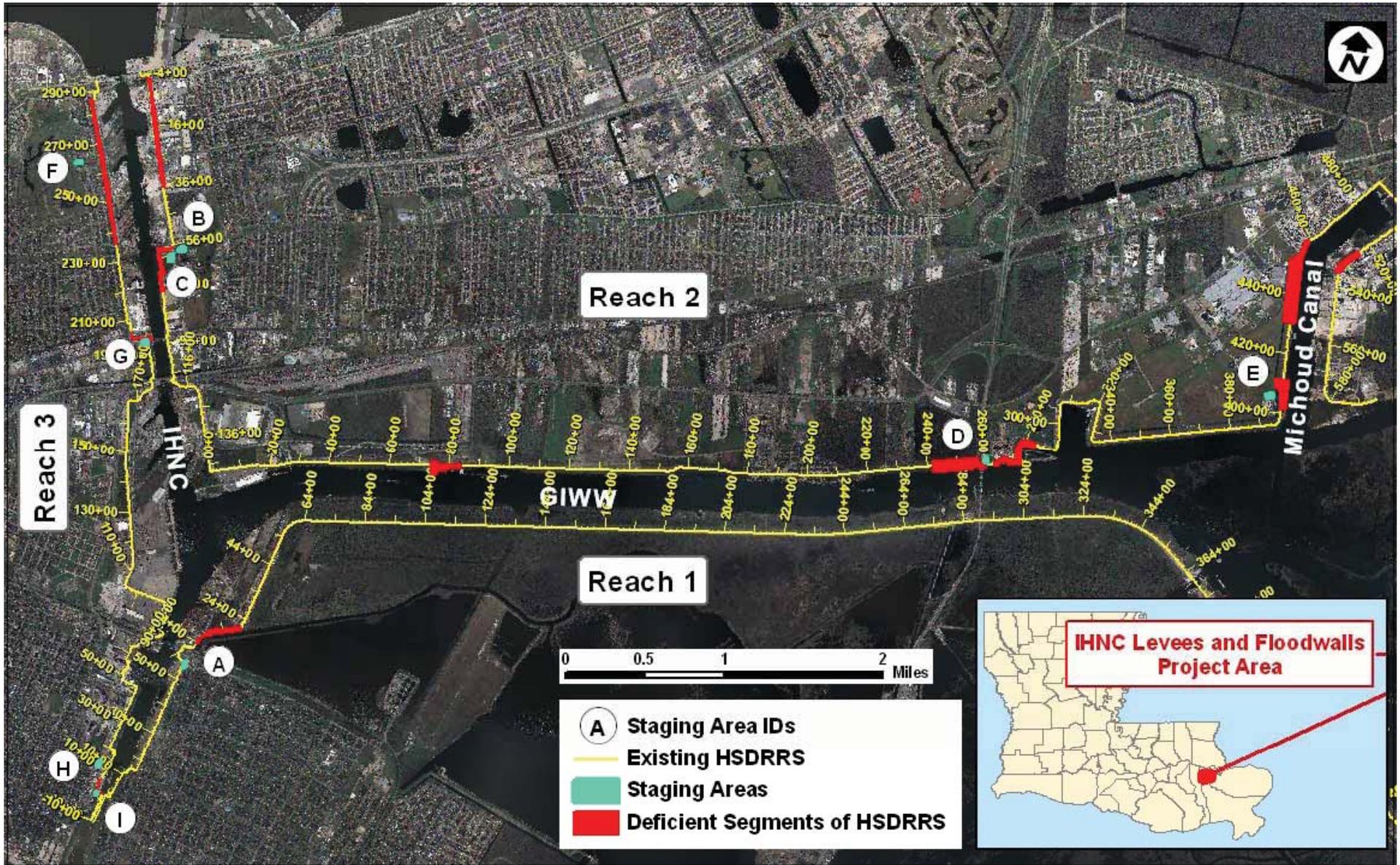
Restore and reinforce portions of 4.6 miles of levees and floodwalls along the Inner Harbor Navigation Canal so that they meet the necessary factors of safety for stability and seepage, as dictated by current Hurricane & Storm Damage Risk Reduction System design guidelines.



Project Overview of Proposed Action

- ▶ **Reach 1 – approximately 1,200 feet of deficient areas**
 - **Deep Soil Mixing – for strengthening the canal levees.**
 - **Concrete Slab – for resisting deflection (bending) of canal floodwalls.**
- ▶ **Reach 2 – approximately 16,700 feet of deficient areas**
 - **Stability Berms – for strengthening the canal levees.**
 - **Buttress Wall – for strengthening the canal floodwalls.**
 - **Relief Wells – for intercepting seepage.**
 - **Concrete Slab – for resisting deflection (bending) of canal floodwalls.**
- ▶ **Reach 3 – approximately 6,300 feet of deficient areas**
 - **Relief Wells – for intercepting seepage.**
 - **Deep Soil Mixing – for strengthening the canal levees.**
 - **Stability berms – for strengthening the canal levees.**
 - **Concrete Slab – for resisting deflection (bending) of canal floodwalls.**





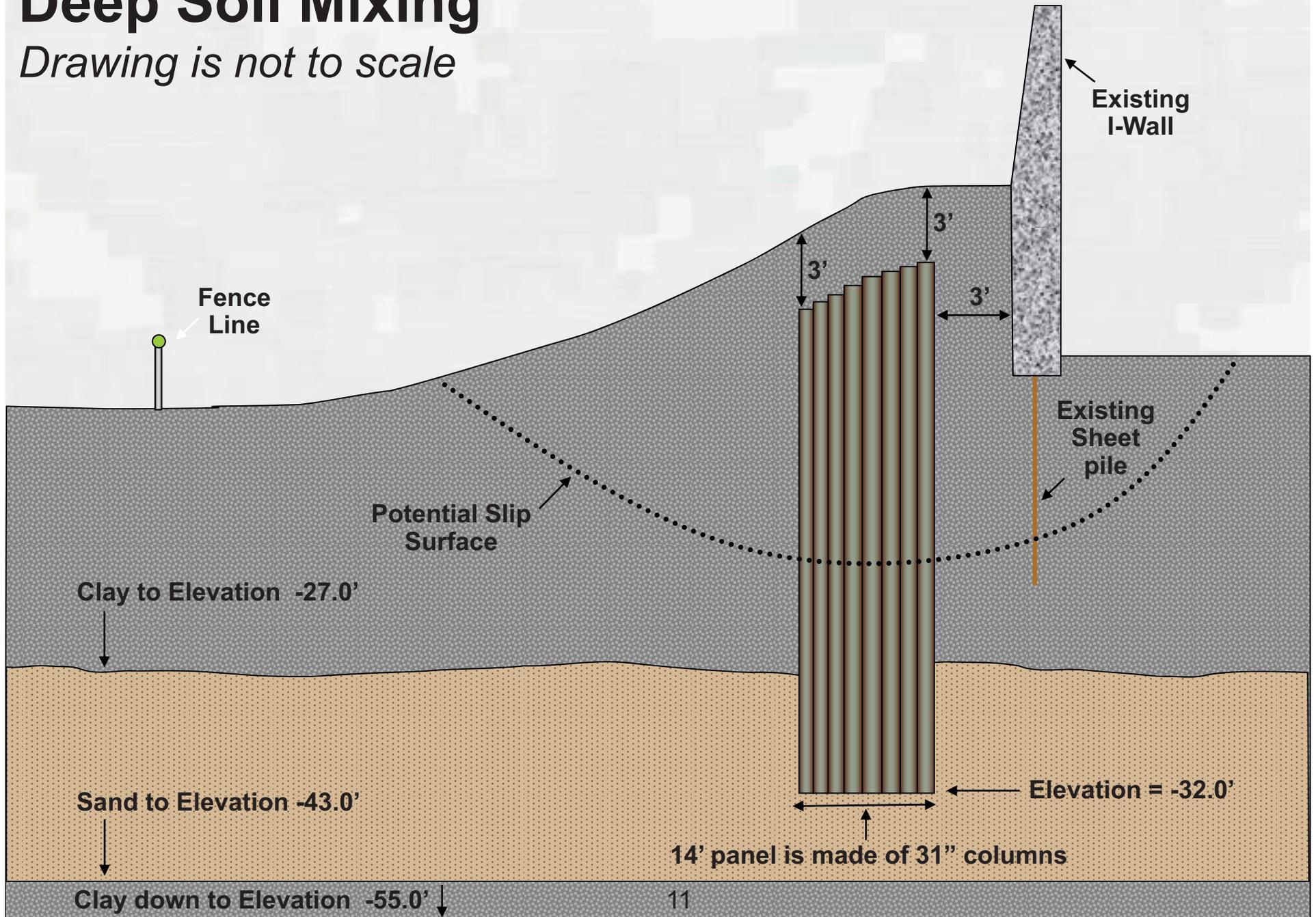
Proposed Construction Schedule

- 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



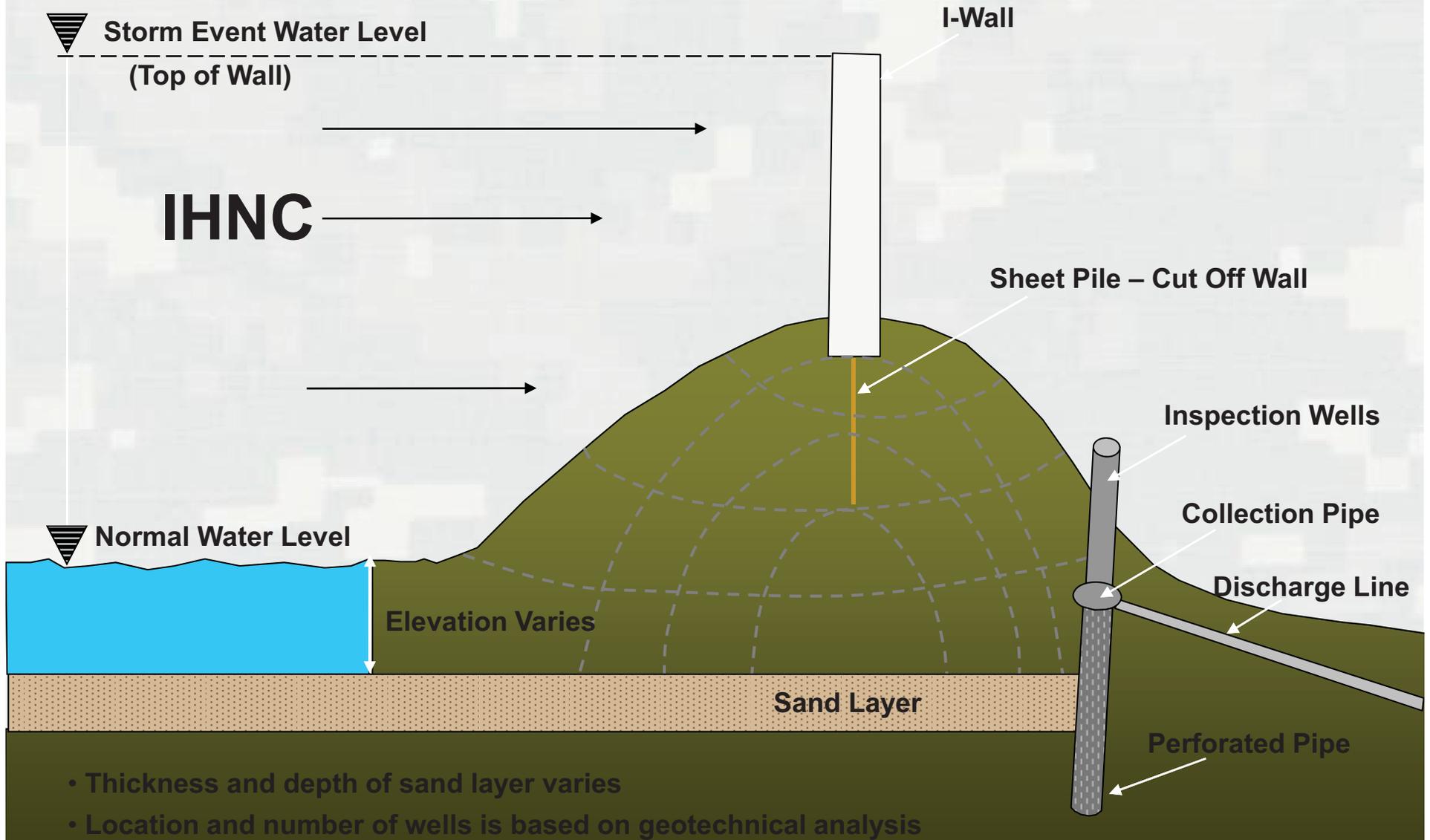
Deep Soil Mixing For Soil Strengthening



Inner Harbor Navigation Canal – East Wall



Relief Wells



Relief Wells

For Intercepting Seepage

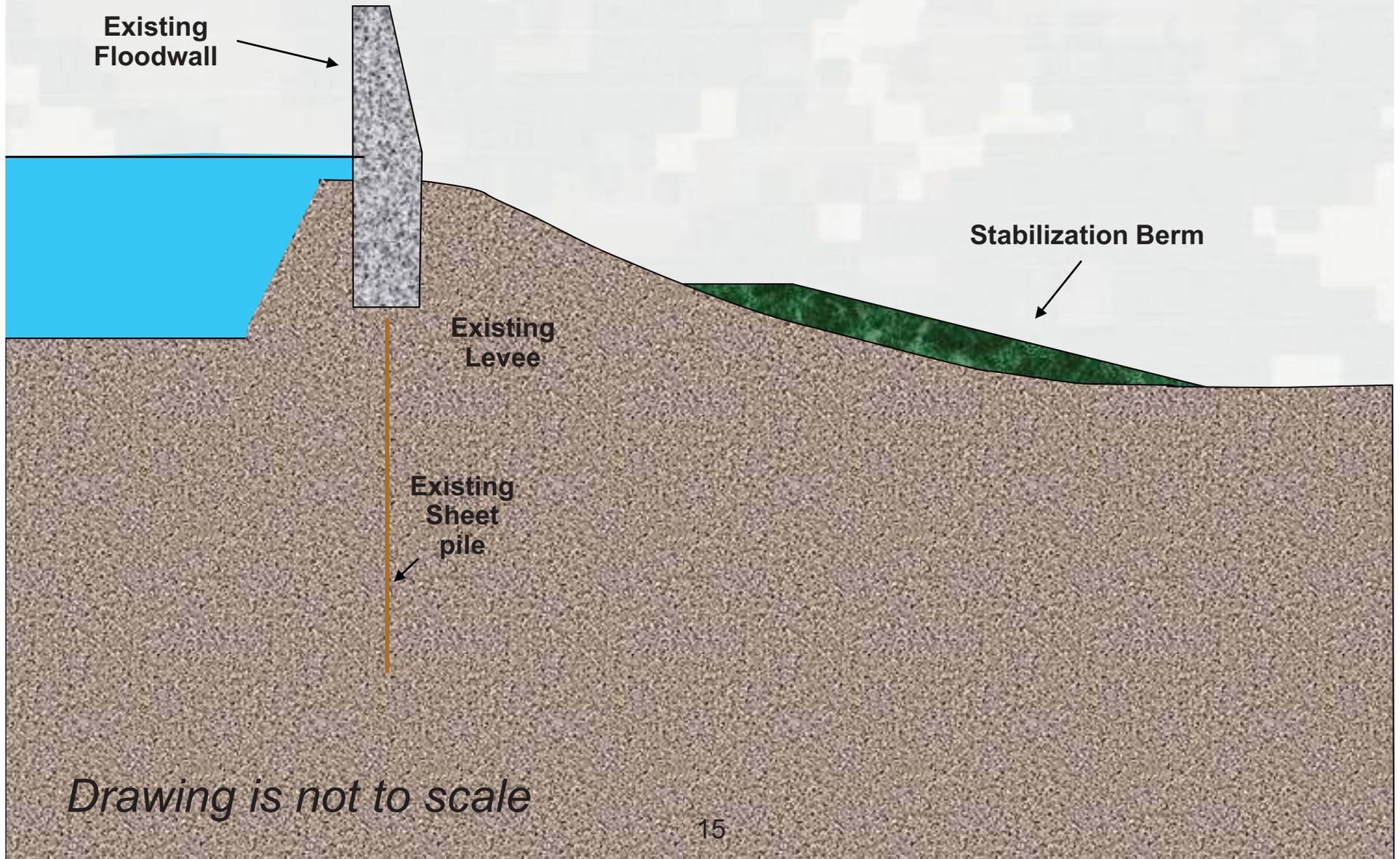


Inner Harbor Navigation Canal – West Wall



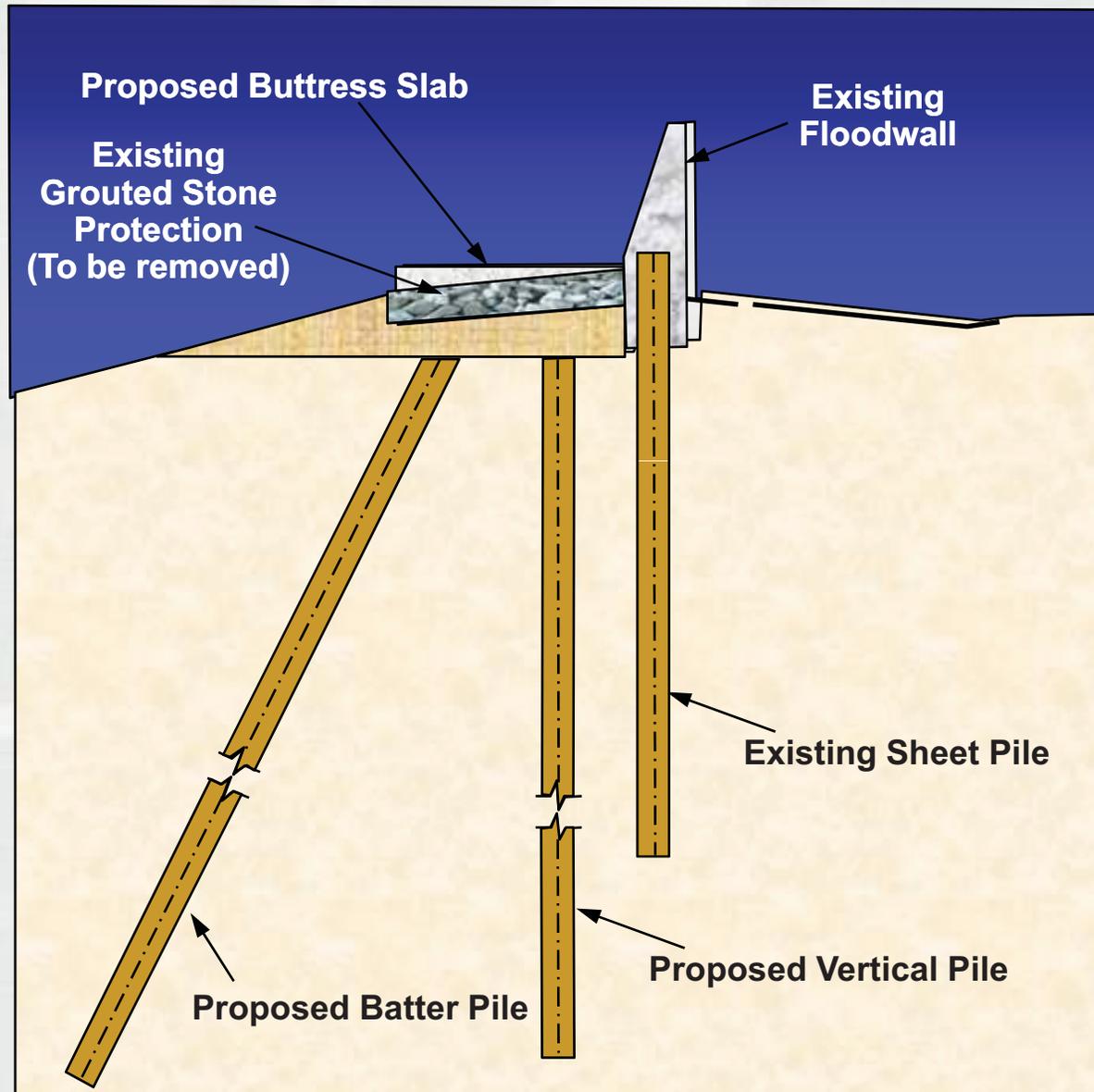
Stabilization Berm on Protected Side

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



Drawing is not to scale

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**



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



Conceptual



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



Currently Available for Public Review

- IER 31 – Contractor Furnished Borrow Material #7
 - Public review Sept. 17 through Oct. 16, 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

Open House 6 p.m. - Presentation 6:30 p.m.

Monday, October 25, 2010

**Belle Chasse Tunnel Construction Impacts
IER 12 Supplemental Addendum
Belle Chasse Auditorium, 8398 Highway 23
Belle Chasse, LA 70037**

Tuesday, October 26, 2010

**New Orleans East Construction Update
IER 11.b Supplemental Tier 2 Borgne
St. Maria Goretti Church, 7300 Crowder Boulevard
New Orleans 70127**

Tuesday, October 26, 2010

**Southeast Louisiana Urban Flood Control Program - Orleans
Loyola University New Orleans
Russell Hall, 2nd floor, 6363 St. Charles Avenue
New Orleans, LA 70118**



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>

NOLA Environmental
NEW ORLEANS, LOUISIANA
Environmental Compliance Data Bank
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 Risk Reduction 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.

The U.S. Army Corps of Engineers, Mississippi Valley Division, New Orleans District implemented Alternative Arrangements on March 13, 2007 under the provisions of the Council on Environmental Quality Regulations for implementing the National Environmental Policy Act (40 CFR § 1506.11) Learn more...

Announcements

- Draft IER 30 Public Comment Period 8/14 - 9/12
- Federal Register Notice of EPA's Modification of the 1985 Clean Water Act Section 404(c) Final Determination for Bayou aux Carpes is now available (7/28)
- East Baton Rouge EA #431 Drafts Public Comment Period 7/22 - 8/20
- Draft IER 29 Public Comment Period 7/22 - 8/20
- The Decision Record for IER 5 has been signed by the District Commander (June 30, 2009)
- The Decision Record for IERS 1 has been signed by the District Commander (June 29, 2009)

Upcoming

- 09/12/2009 - Public Meeting (Plaquemines Parish Federal Levees (St. Jude to Venice))
- 09/12/2009 - Public Meeting (Plaquemines Parish Federal Levees (St. Jude to Venice))

Newly Available

NEW >>> NOLA Environmental Basic Data Viewer

- 03 Sept 09 Public Meeting Presentation Plaquemines Parish Pump Stations: GIWW West Closure Complex
- News Release 02 September 09 Corps to discuss upcoming Belle Chasse construction

FEATURED PROJECT

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

US Army Corps of Engineers
Team New Orleans
BUILDING STRONG®

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Google Custom Search

Pump Stations
Operating an unrecycled system... Pumping plays a critical role in preventing flooding from any significant rainfall event. The Corps ensures that pumps are outfitted to remain operable during and after future storm events.

PUBLIC INFORMATION

6 Hurricane & Storm Damage Risk Reduction
How the Corps is reducing risk >>

Public Meetings
8/26/09 - New Orleans, LA >>
8/31/09 - New Orleans, LA >>
9/2/09 - New Orleans, LA >>

Pre-Proposal Conference - 8/19/09 >>

Building a Stronger Corps - A Snapshot of How the Corps is Applying Lessons Learned from Katrina >>
Nola Environmental
Find meeting presentations & more >>

TOP HEADLINES

ASK THE CORPS

The Corps wants to hear from you!

Q. Where can I find information related to bidding on contracts advertised by the Corps?

A. For more information on Corps contracts and registering your business, please click here.

Submit questions or comments to askthecorps@usace.army.mil.

Corps revises London Ave. Outfall Canal ICS operating procedures
Revised 06/27/2008

RSS (What is RSS?)

Last updated 09/09/2009 | [DISCLAIMER](#) | [PUBLIC INQUIRIES](#) | [PRIVACY AND SECURITY](#) | [EOIA](#) | [INFORMATION QUALITY ACT](#) | [ACCESSIBILITY](#)

FEATURED VIDEOS

Inner Harbor Navigation Canal
Reduces risk to New Orleans East, Metro New Orleans, the 9th Ward & St. Bernard from storm surge. Watch >>

Seabrook Floodgate
Three construction site alternatives are presented in this video for a navigable surge barrier planned for the IHNC area near the Calumet, La.

CONSTRUCTION IMPACTS HOTLINE
877-427-0345





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.



Visit the following links to follow us on Facebook, Twitter and Flickr:

<http://www.facebook.com>

Keyword: New Orleans District

<http://twitter.com/teamneworleans>

<http://www.flickr.com/photos/37671998@N05>

