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# Why are we here tonight?

To discuss the status of completed, in-progress and proposed projects to the Lake Pontchartrain and Vicinity portion of the Hurricane Storm Damage Risk Reduction System that will provide 100-year level of protection for the surrounding communities.



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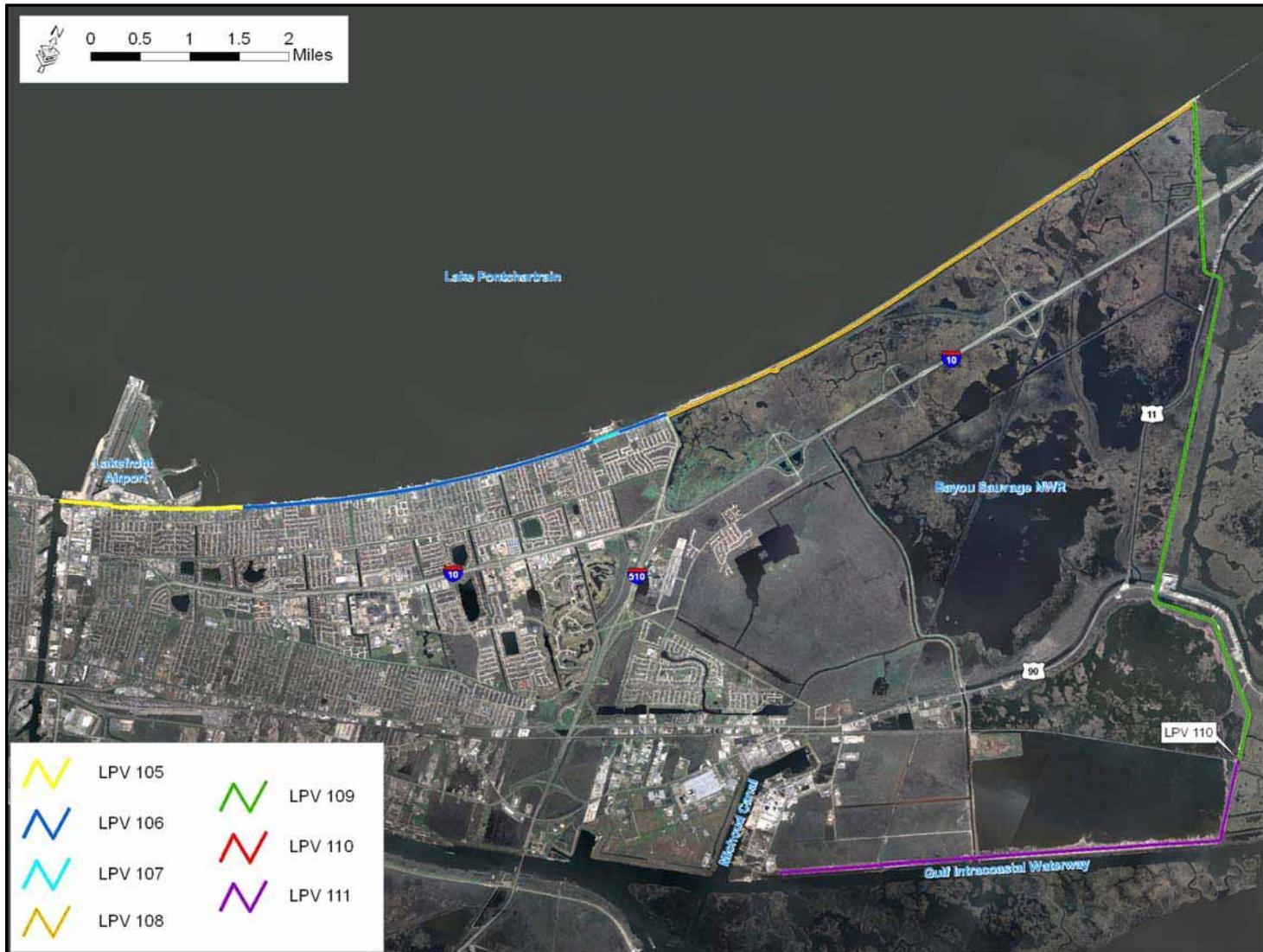
# National Environmental Policy Act: NEPA

- Required for all major Federal actions
- Analyze potential impacts to the human and natural environment and investigate reasonable alternatives
- Analyses documented in 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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# New Orleans East Levees IER #6 and IER #7





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# IER 6 LPV 105: Lakefront Airport Alternatives

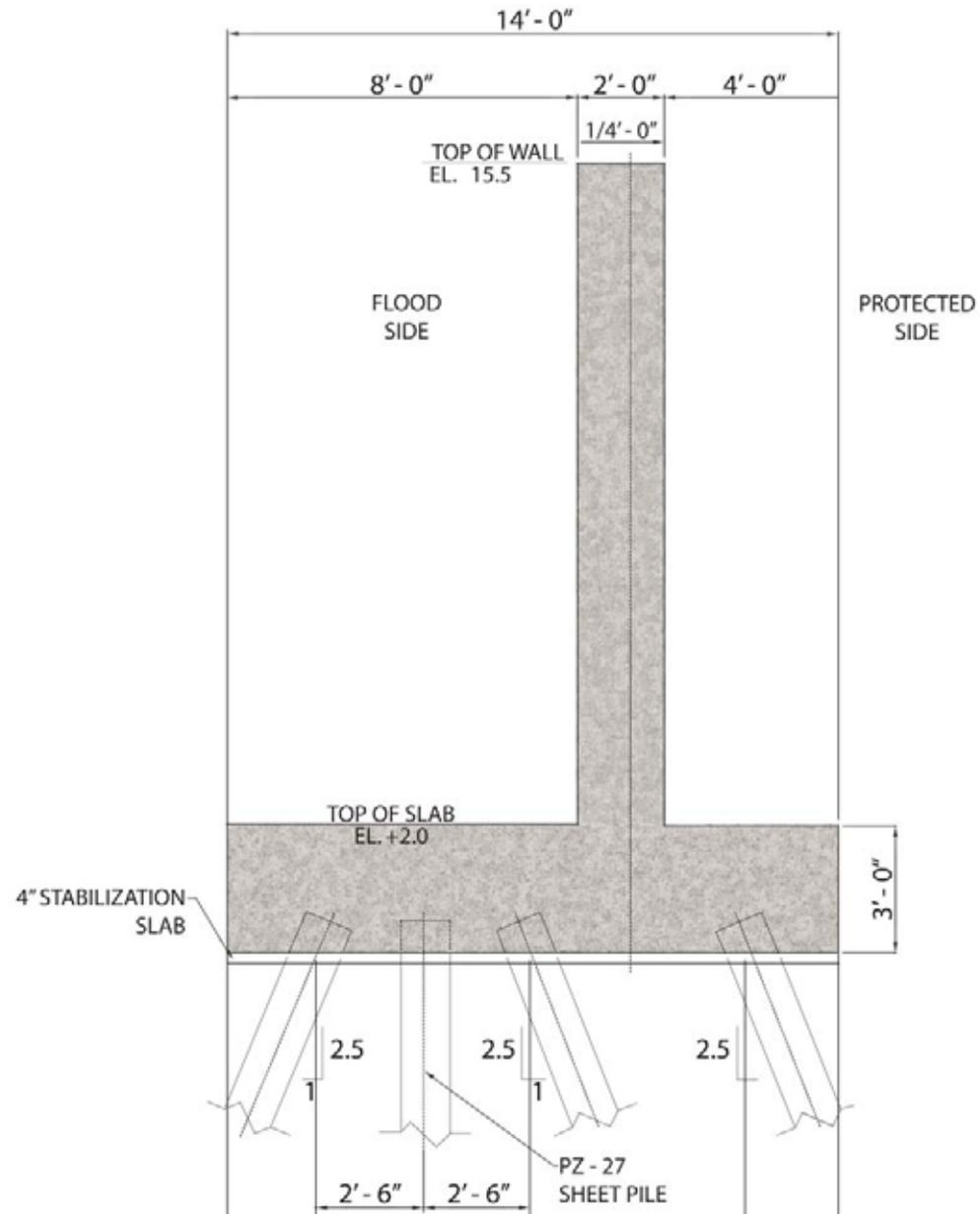
- Retrofit I-wall to a L-wall along the current I-wall alignment
- Construct a T-wall along the current I-wall alignment
- Construct a T-wall or levee South of the NS Railroad at west end of project





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# T-wall





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# IER 6 LPV 106: Citrus to Lakefront Levee Alternatives

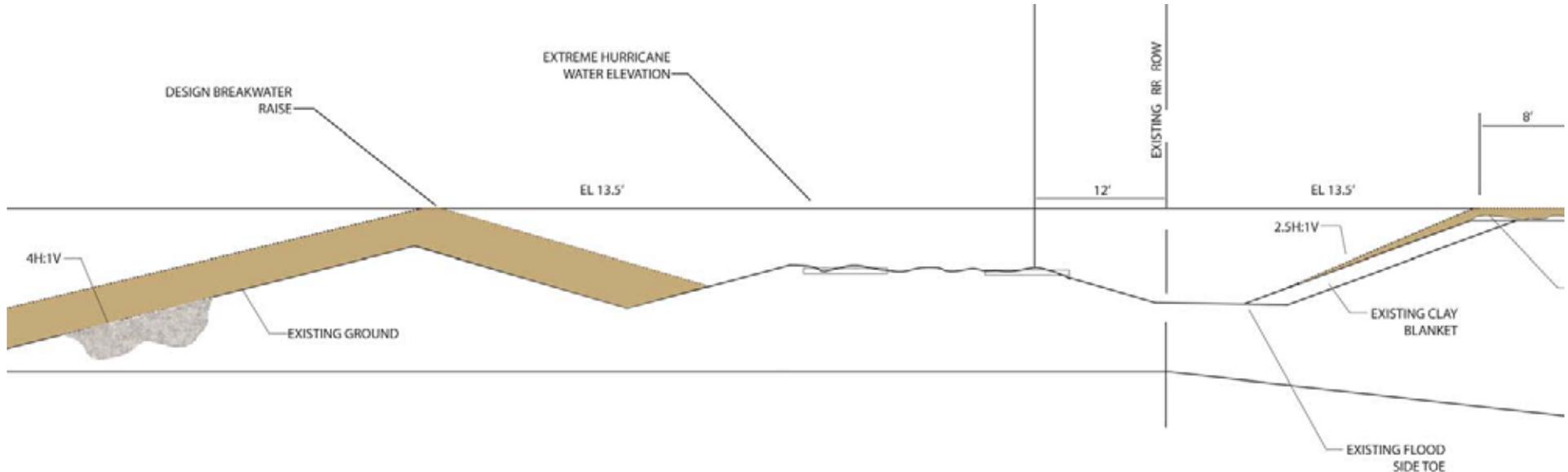
- Raise levee with and w/o retaining wall at Hayne Blvd.
- Raise levee with seepage cut-off wall
- Raise levee with Deep Soil Mixing (DSM)
- Construct a T-wall





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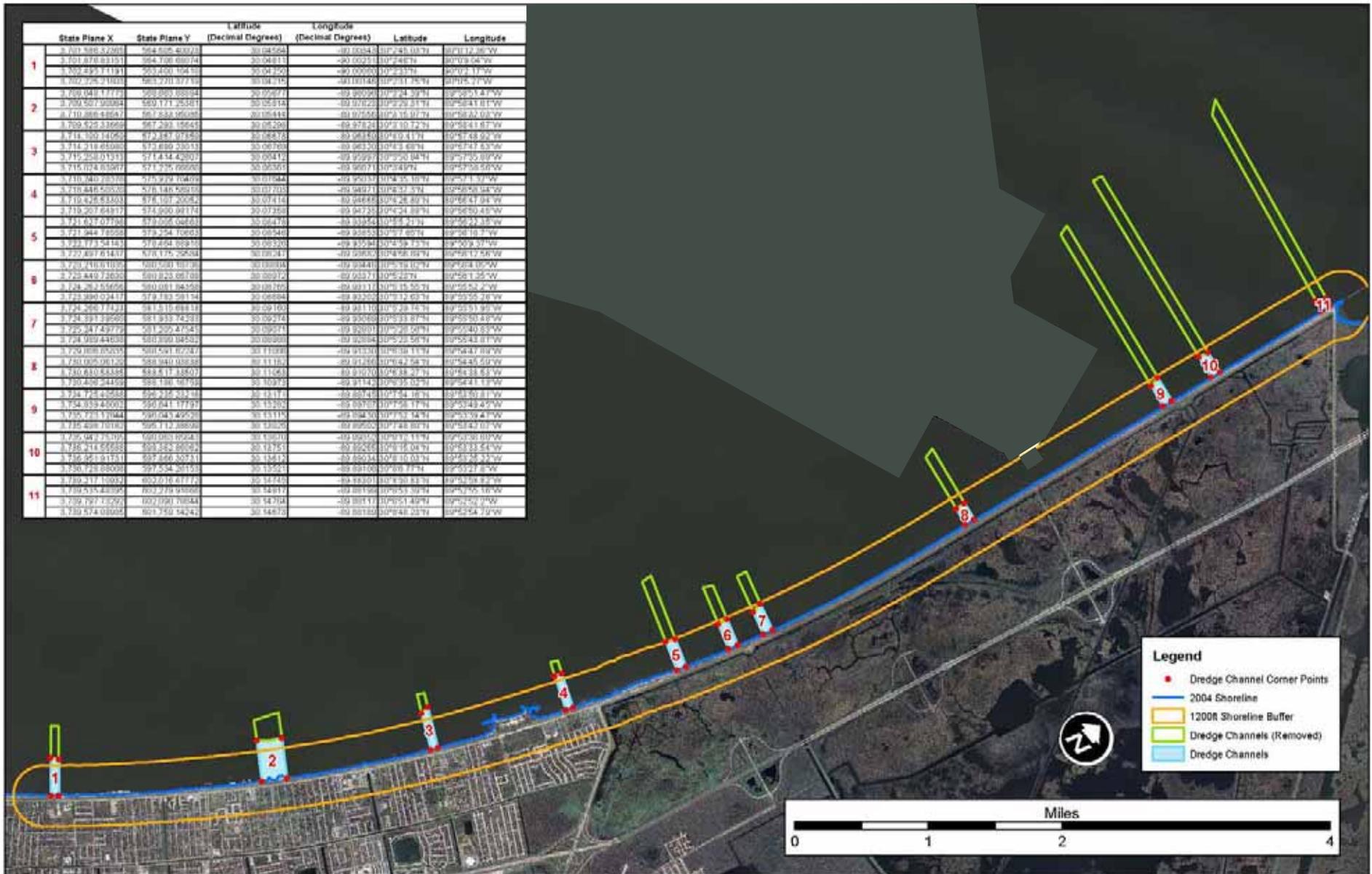
# Citrus to Lakefront Levee Alternative Improved Foreshore Protection and Standard Lift





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# Temporary Access Channels





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# IER 6 LPV 107: Lincoln Beach Alternatives

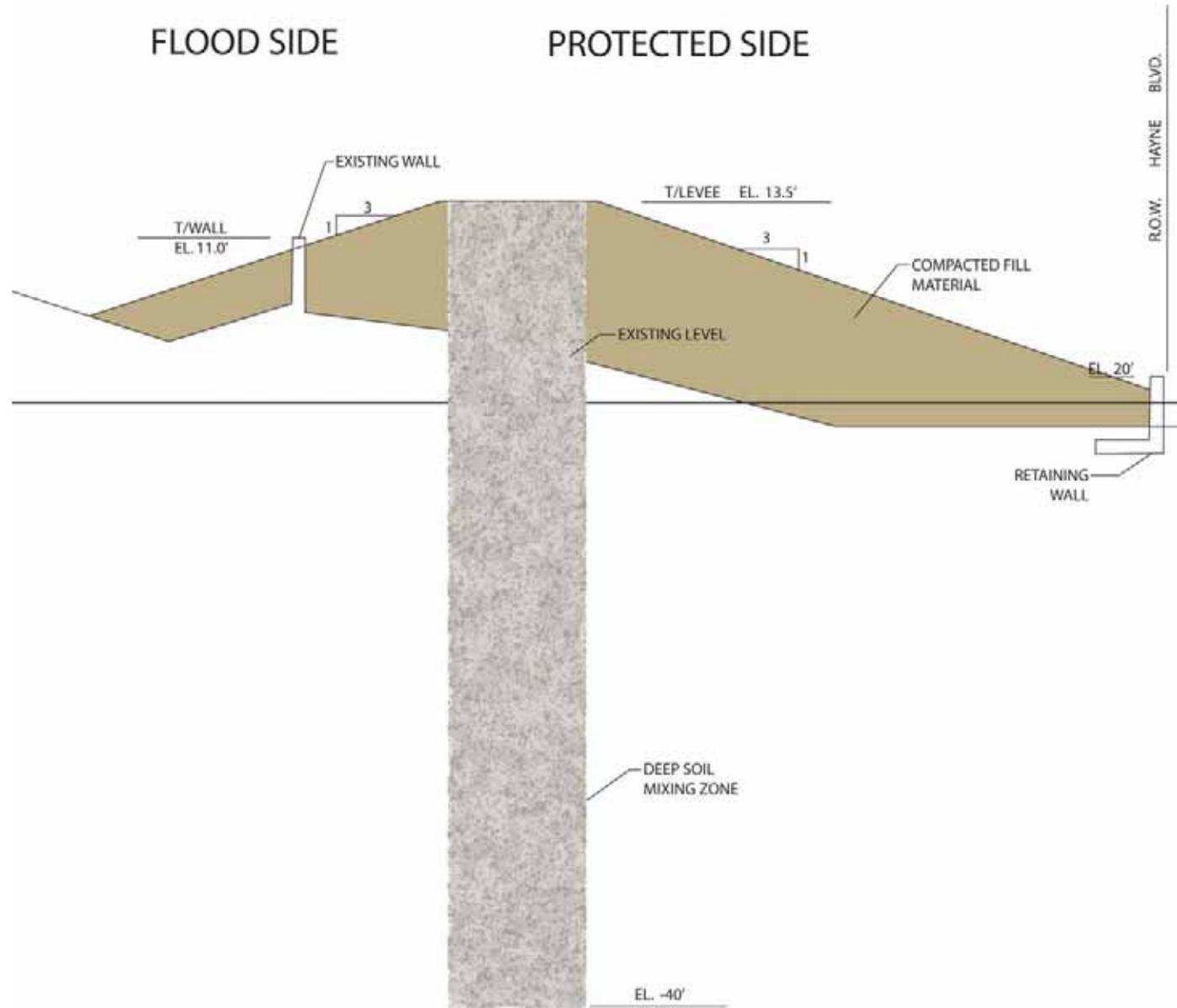
- Modify/retrofit I-wall & gate along existing alignment
- Construct T-wall & gate along existing alignment
- Construct T-wall & gate along LPV 106 alignment
- Replace wall and gate with levee
- Construct levee with Deep Soil Mixing (DSM)





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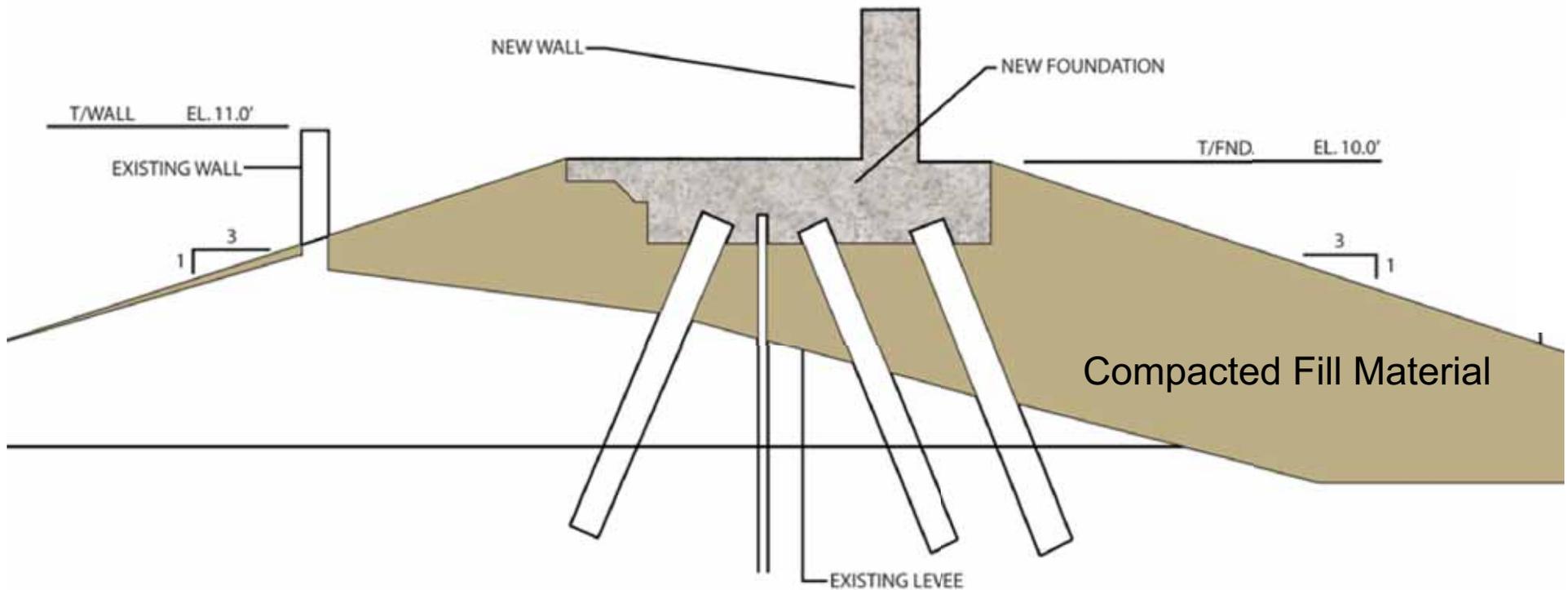
# Lincoln Beach Alternative Levee with Deep Soil Mixing (DSM)





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# Lincoln Beach Alternative Levee with T-wall





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# IER 7 LPV 108: Lakefront Levee Alternatives

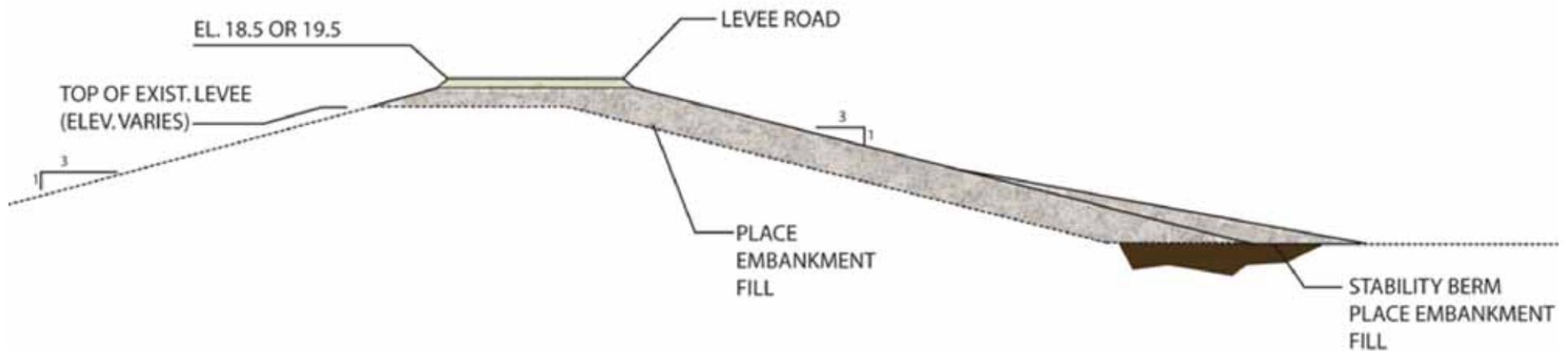
- Raise crown to meet authorized elevation
- Adding stability berm for 100-year elevation





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# Lakefront Levee Alternative Existing & New Typical Section with Stability Berm





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# IER 7 LPV 109.02a: South Point to CSX Gate Alternatives

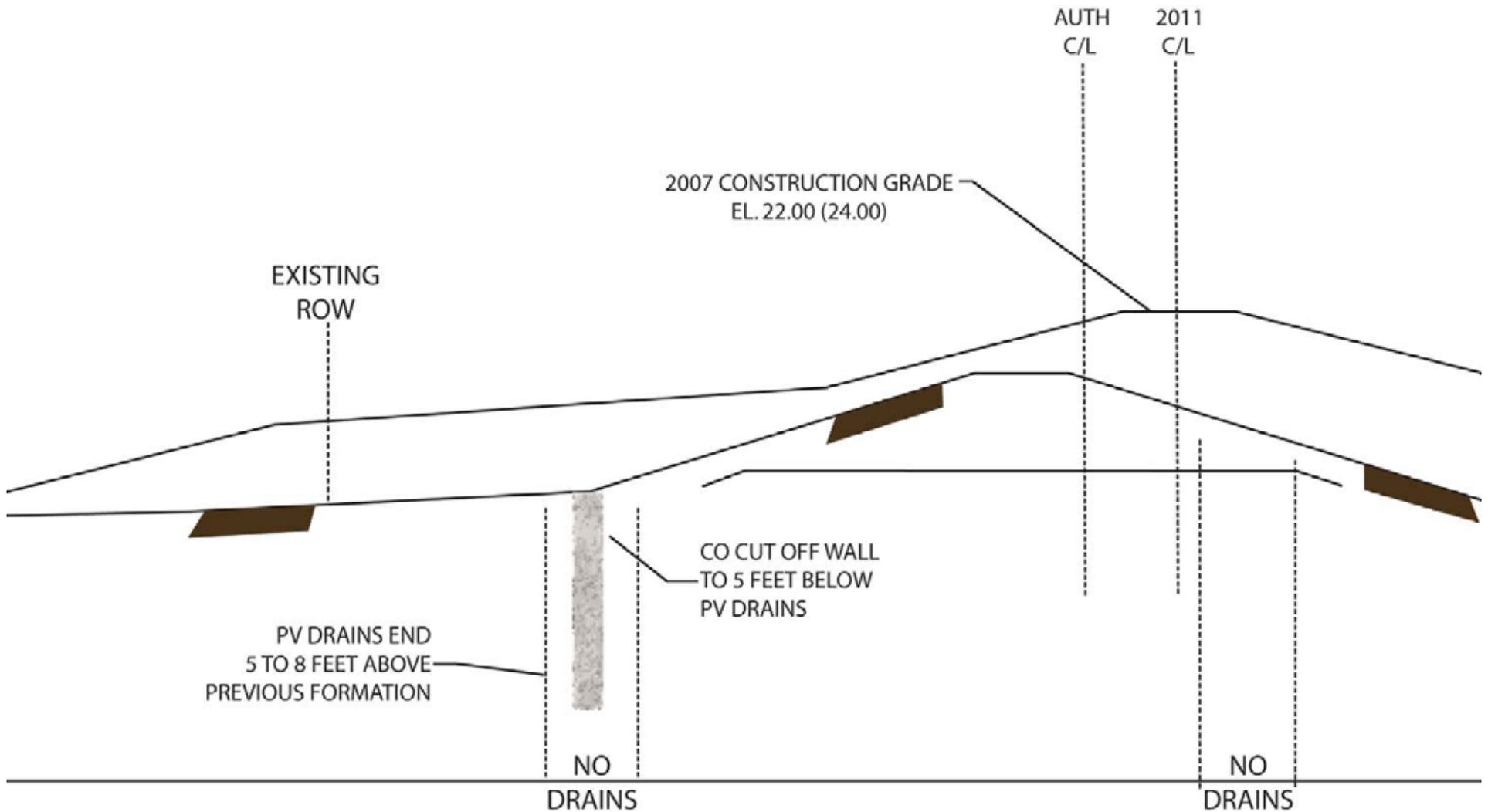
- Raise levee with stability berms
- Raise levee with lightweight material
- Raise levee with high-strength geotextile, wick drains, slurry cutoff walls with and without partial Deep Soil Mixing
- Raise levees using Deep Soil Mixing





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# South Point to CSX Gate Alternative Wick Drains And Deep Soil Mixing





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# IER 7 LPV 109.02b: I-10 Crossing Alternatives

- Construct a levee and raise I-10 with a ramp
- Construct a levee and raise I-10 with a bridge
- Construct a T-wall and raise I-10 with a bridge





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# IER 7 LPV 109.02c: US 11 & US 90 Alternatives

- Retrofit existing floodgates
- Replace existing floodgates
- Raise highway using ramp or bridge





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# IER 7 LPV 110: CSX Railroad Gate Alternatives

- Raise existing gate
- New T-wall & gate along existing alignment





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# IER 7 LPV 111.01: NOE Back Levee Alternatives

- Raise levee with stability berms
- Raise levee with lightweight material
- Raise levee with high-strength geotextile, wick drains, slurry cutoff walls
- Raise levees using Deep Soil Mixing





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# IER 7 LPV 111.02: Pump Stations No. 15 Alternative

- Replace existing wall at Pump Station #15



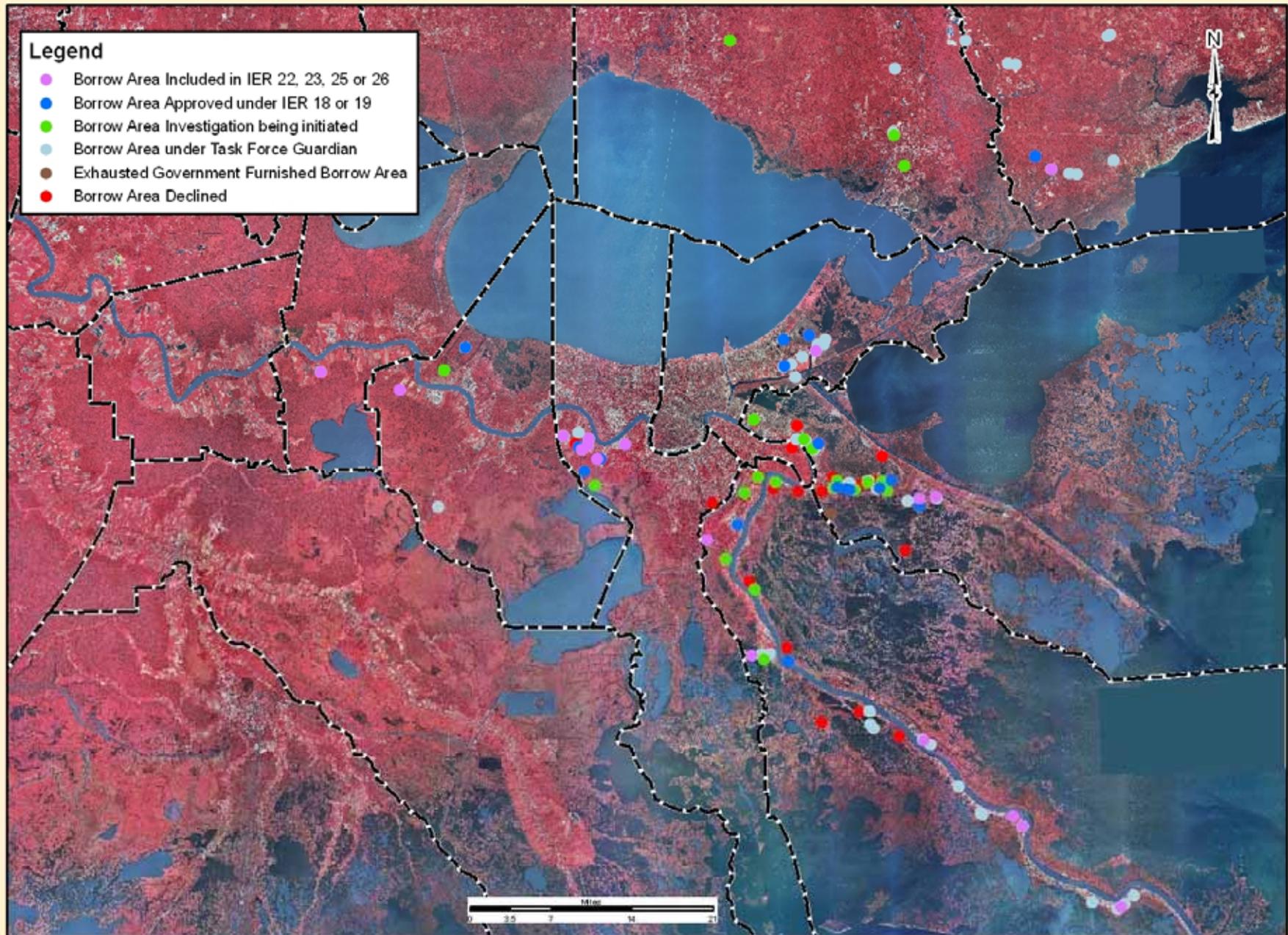


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# Upcoming New Orleans East Levee Contracts

- LPV 108: Paris Road to South Point
- LPV 109.01: South Point to Gulf Intracoastal Waterway
- LPV 113: Citrus Back Levee (Michoud Canal to Michoud Slip)

# Borrow Areas



Updated on 7/9/2008

Job No. EGIS-08-111

# NEW ORLEANS EAST - ORLEANS PARISH





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# Improving Hurricane Protection on the Inner Harbor Navigation Canal IER 11 Tier 2 Borgne





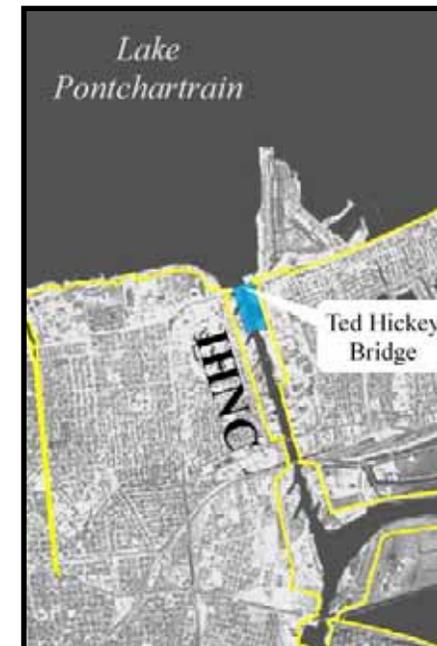
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# Where we've been

- Awarded largest design-build, civil works construction contract on April 3, 2008 for the amount of \$695,489,766. Contract includes providing advance measures by hurricane season 2009.
- IER 11 Tier 1 Decision Record signed March 14, 2008 for Borgne 1 and Pontchartrain 2



**Borgne 1**



**Pontchartrain 2**



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# IER 11 Tier 2: Where we're going

## Two Tier 2 IERs

- **IER 11 Tier 2 Borgne:**

Alignment and design alternatives within “Borgne 1”

Public Release of Draft IER 11 Tier 2 – August '08

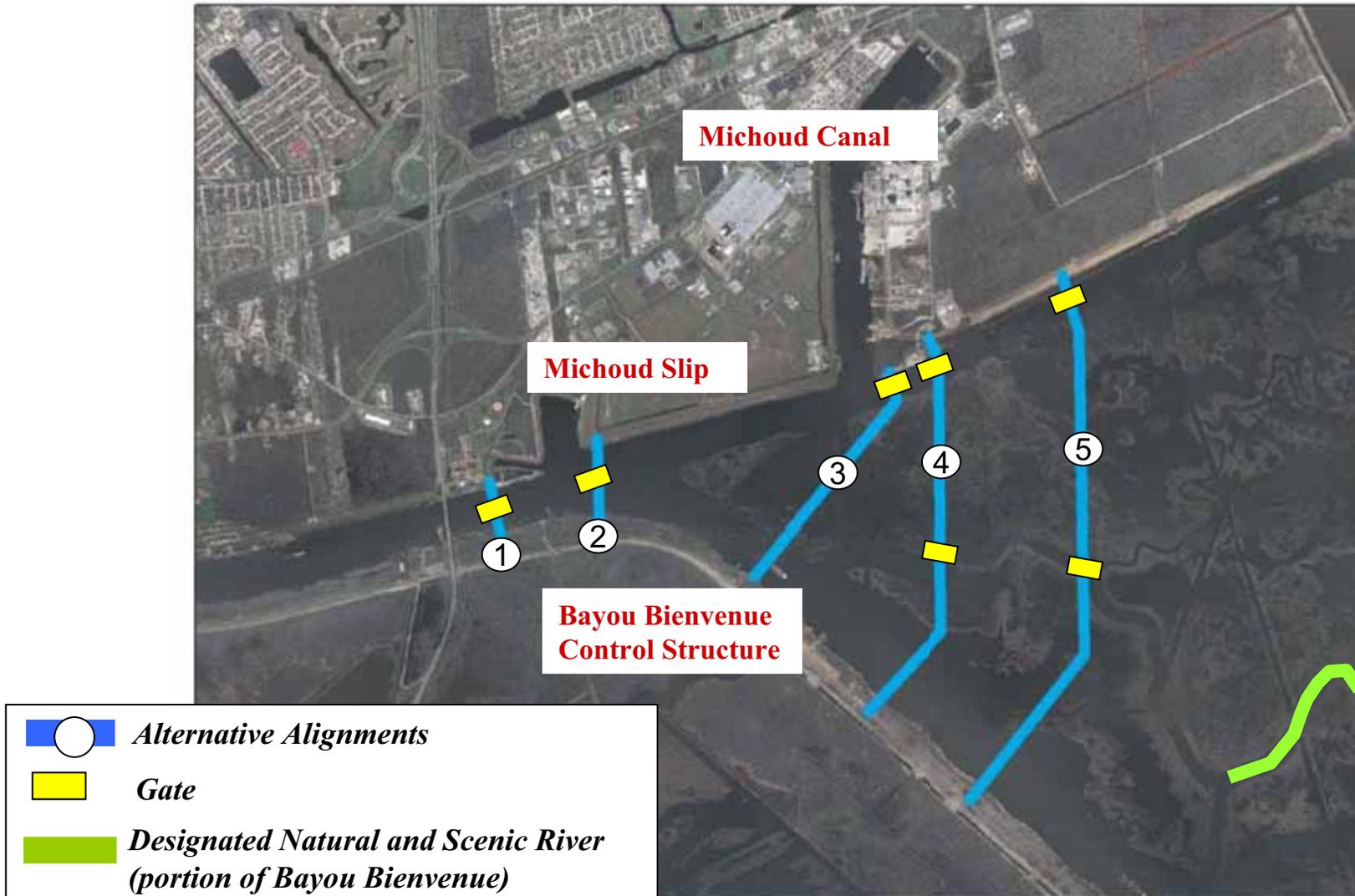
- **IER 11 Tier 2 Pontchartrain:**

Alignment and design alternatives within “Pontchartrain 2”  
(alternatives to be developed this summer)



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# IER 11 Tier 2 Borgne Alternative Alignments Overview

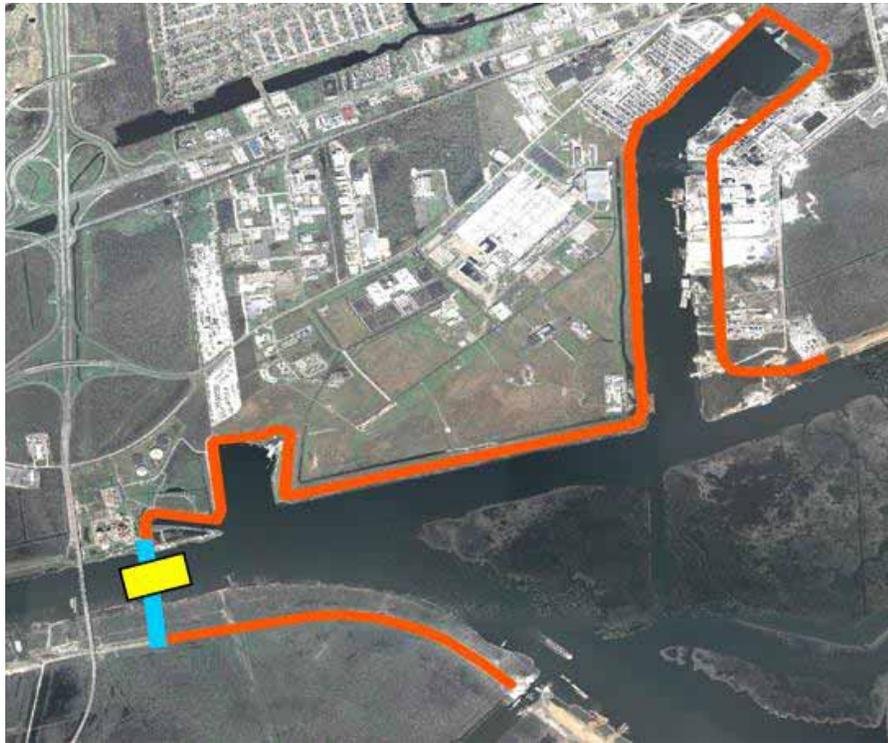




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# IER 11 Tier 2 Borgne Alternative Alignments

Alignment 1



Alignment 2



Levees & Floodwalls to be Raised



Alternative Alignments



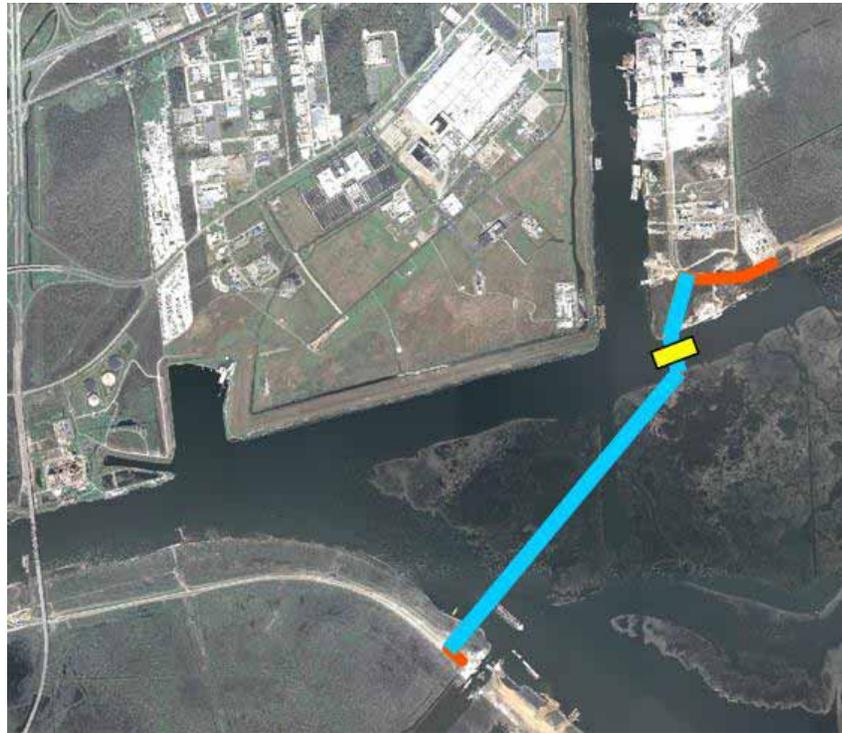
Gate



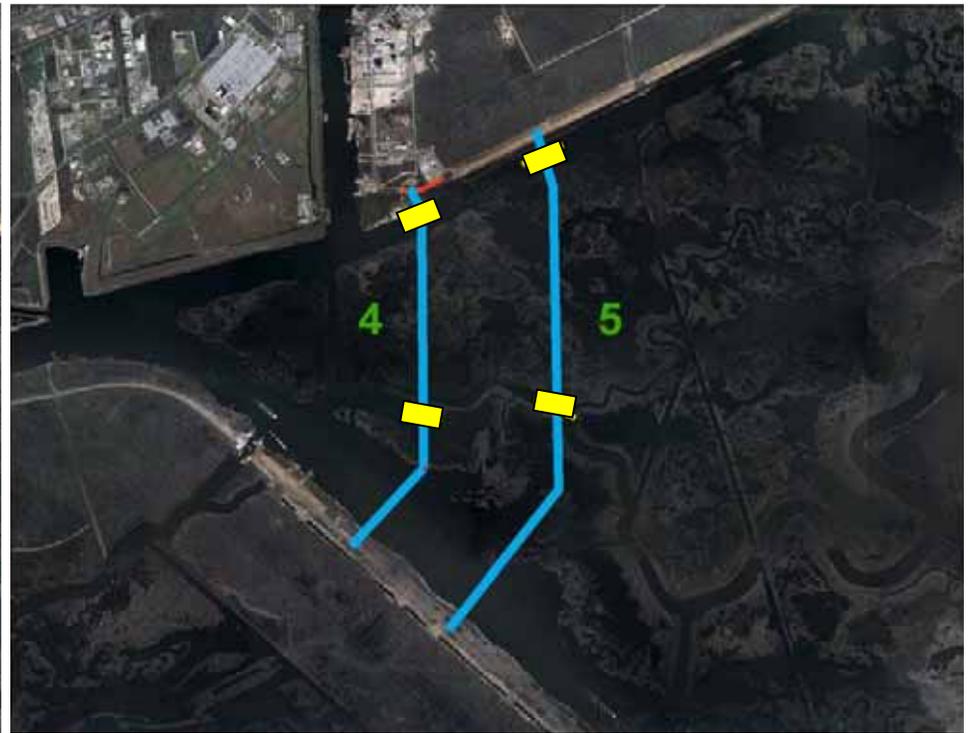
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# IER #11 Tier 2 Borgne Alternative Alignments

Alignment 3



Alignment 4 & 5

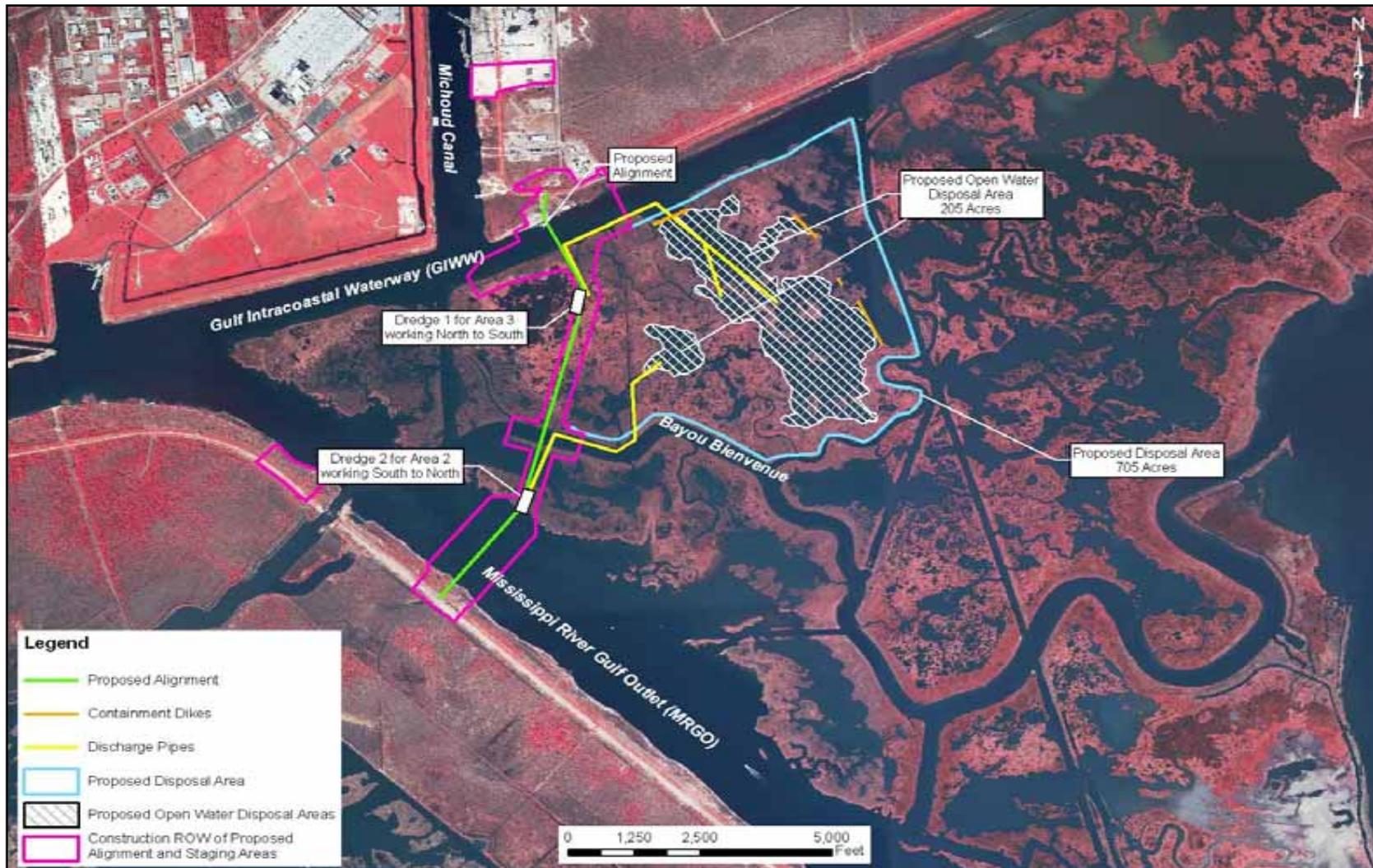


- |   |                                  |
|---|----------------------------------|
|  | Levees & Floodwalls to be Raised |
|  | Alternative Alignments           |
|  | Gate                             |



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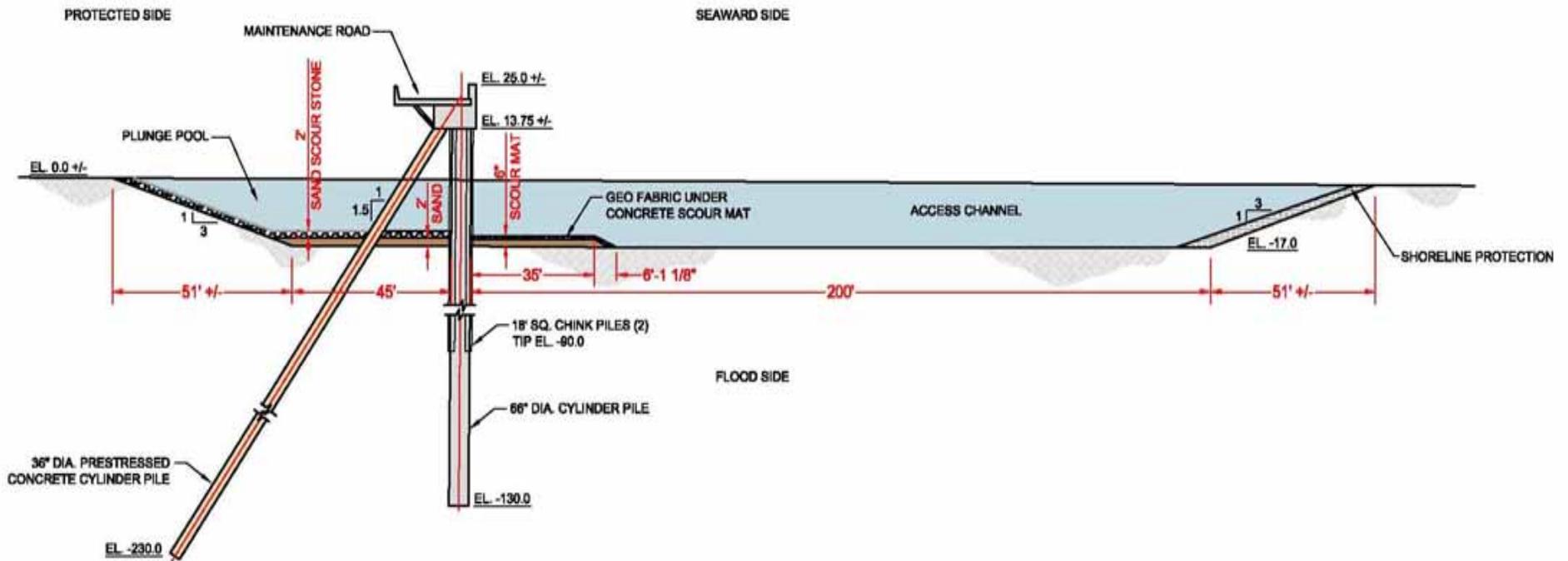
# Proposed Alignment with Beneficial Use Disposal Areas and Dredge Pipes





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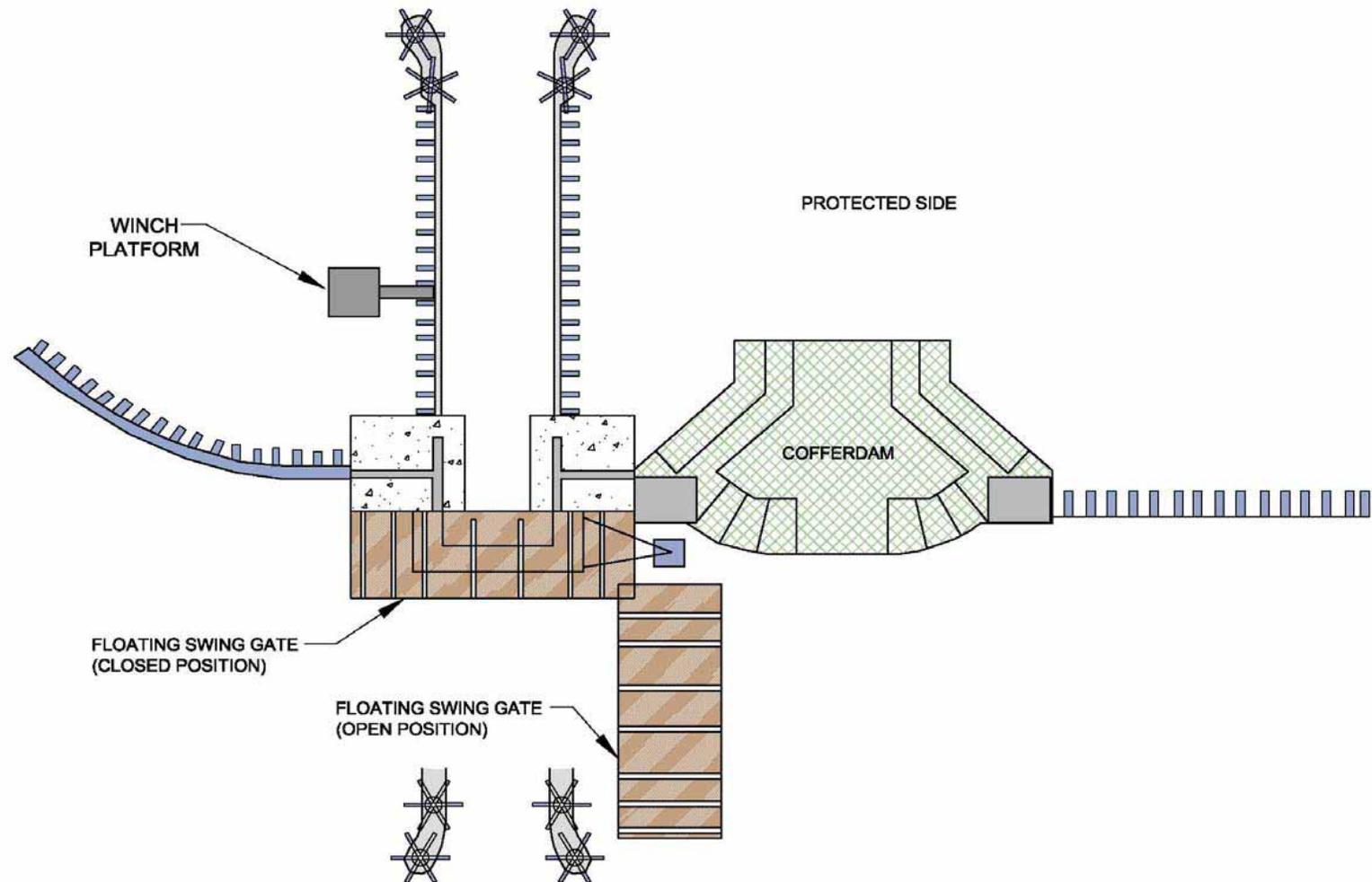
# Floodwall





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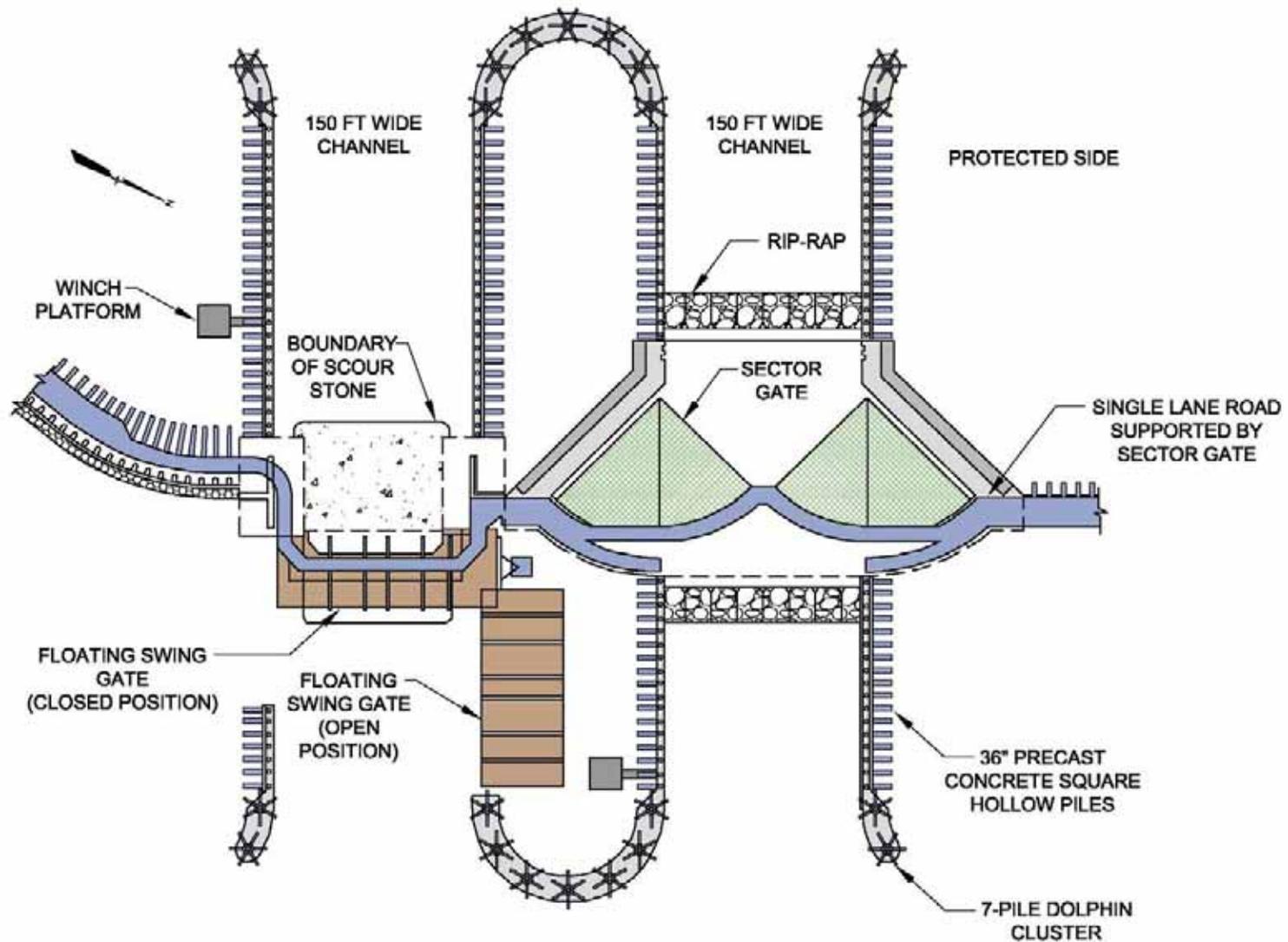
# Advanced Measure Cofferdam & Swing Gate Design on the GIWW





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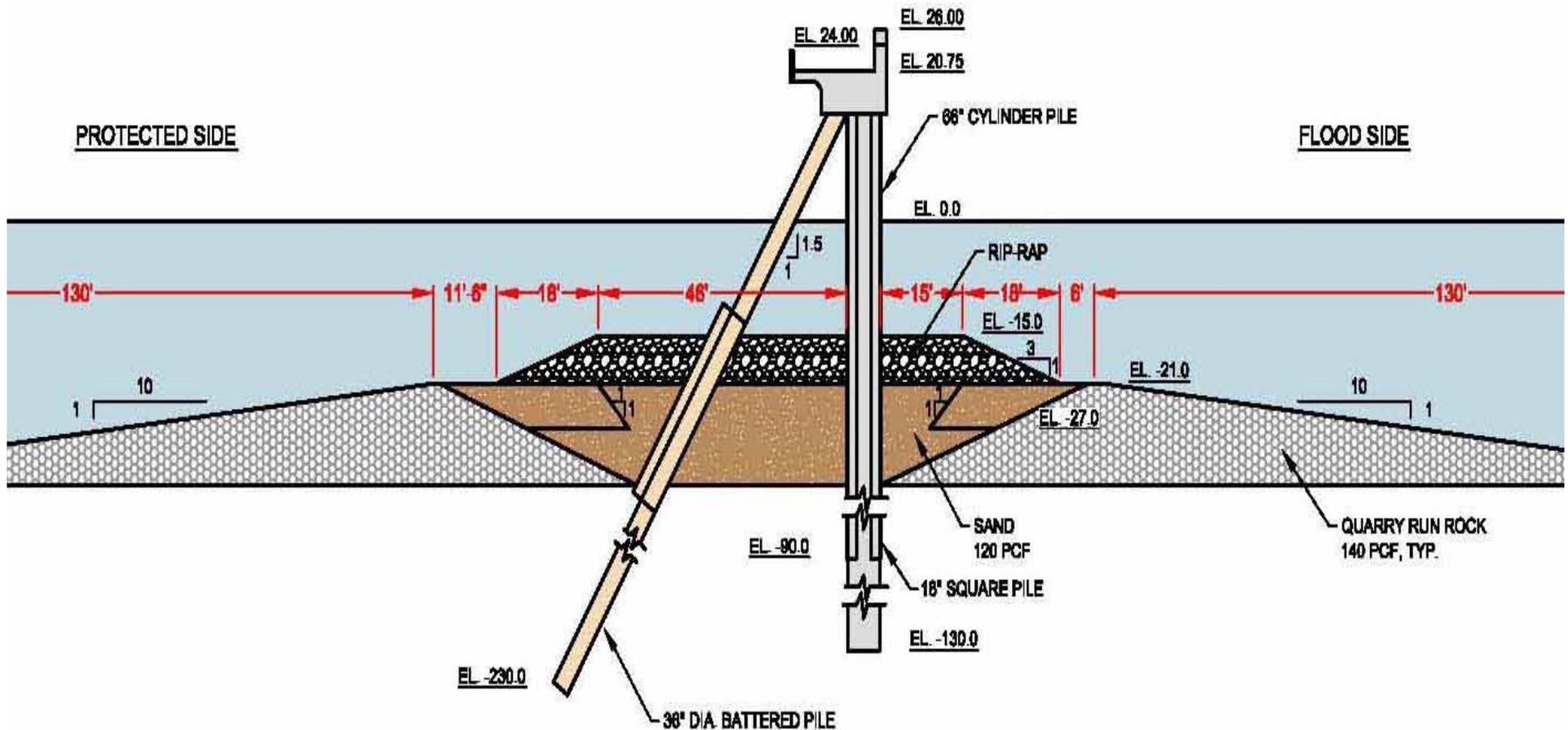
# GIWW Sector and Swing Gate





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# MRGO Closure





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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**

**Telephone: 504-862-1337**

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