

# **Hurricane Protection Projects Committee Council Meeting Presentation**

**March 23, 2016**

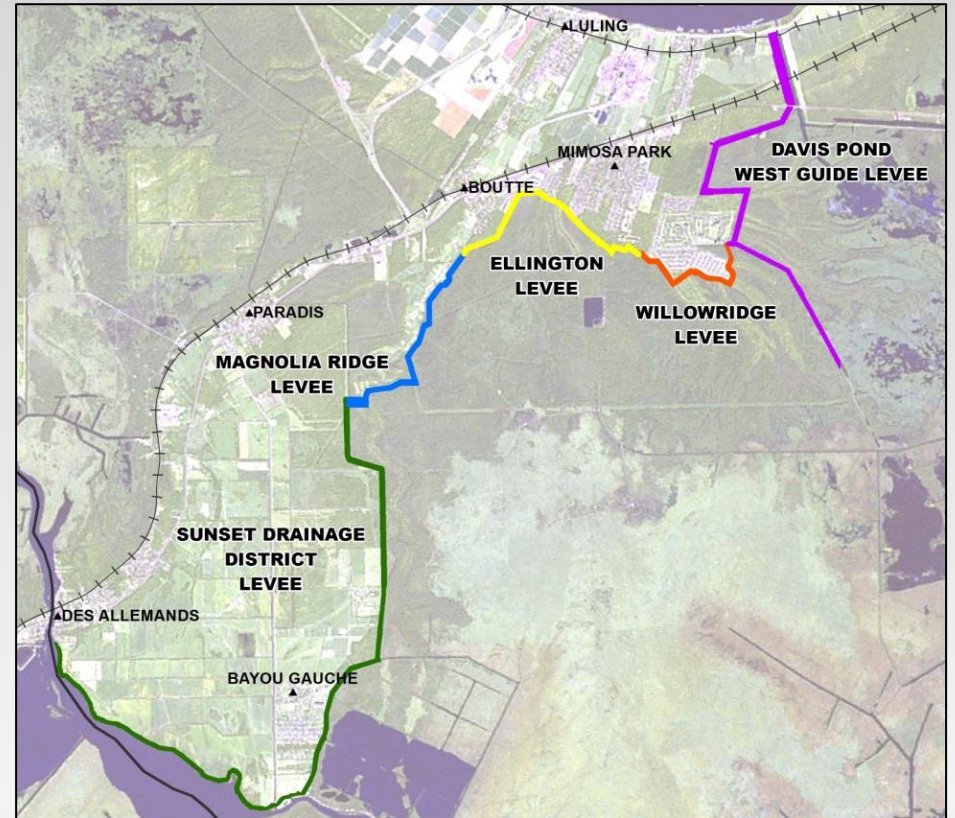




# West Bank Levee Overview

## Outer Levee System

- Davis Pond Guide Levee
- Willowridge Levee
- Ellington Levee
- Magnolia Ridge Levee
- Sunset Levee



CPRA currently evaluating the Upper Barataria Basin Risk Reduction System (Highway 90 Levee Alignment) for inclusion in the 2017 Coastal Master Plan.





# Willowridge Levee – Phase 1



Willowridge  
Phase 1  
project is now  
complete.

Operation and  
maintenance  
of the earthen  
levee has  
been turned  
over to  
Lafourche  
Basin Levee  
District





# Willowridge Pump Station – Phase 2



Sea Level Construction is 219 days through the 501 calendar day project.

Contractor has excavated the PS intake channel, installed slab rebar and poured concrete for the intake basin bay.







# Willowridge Pump Station – Phase 2



The Engineer is reviewing Contractor submittals for Pump Station Electrical and Pump Systems components.

Contractor has begun the sidewall form work and rebar installation.





# Willowridge Levee Phase 3

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Sea Level Construction is 155 days into the 485 calendar day project.

Completed clearing, vegetative chipping, and debris hauling on Phase 3.







# Willowridge Levee Phase 3



De-watering berms are constructed and an inspection trench was excavated.



Site prep for levee and access road construction between PS & Willowridge Phase 1 is complete.





# Willowridge T-Wall Phase 3



Test pile for T-Wall.





# Willowridge T-Wall Phase 3



Temporary bridge trestle has been installed for crane and pile driving equipment access.







# Willowridge T-Wall Phase 3



The Contractor has started driving the first pile for the permanent bridge by the Pump Station.





# Willowridge Tidal Structure Phase 3



The installation of two (2) tidal exchange structures are required.





# Ellington Levee Phase 1

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Notice to Proceed issued to Cycle Construction on December 30, 2015.

Clearing of trees from Texaco Rd to eastern end of project is complete.

Silt fencing is being installed along the perimeter of the tree clearing operations.







# Ellington Levee Phase 1







# Ellington Levee Phase 1



Hauling of vegetative materials from the levee footprint via barge and truck has started.







# Ellington Levee Phase 1



The contractor will soon complete construction of the dewatering dikes and begin construction of the levee.





# Pipeline Crossings – Ellington

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Installation of the timber matting over the existing gas pipe lines at the shell road off of Magnolia Ridge Road has been completed.



The 90% final design submittal of the T-Walls at the two gas pipeline crossings have been submitted by the Engineer for Parish and pipeline company reviews.





# Ellington Levee Phase 2



Construct a +7.5' elevation earthen levee (4,800 linear feet) and parallel drainage canal excavation.

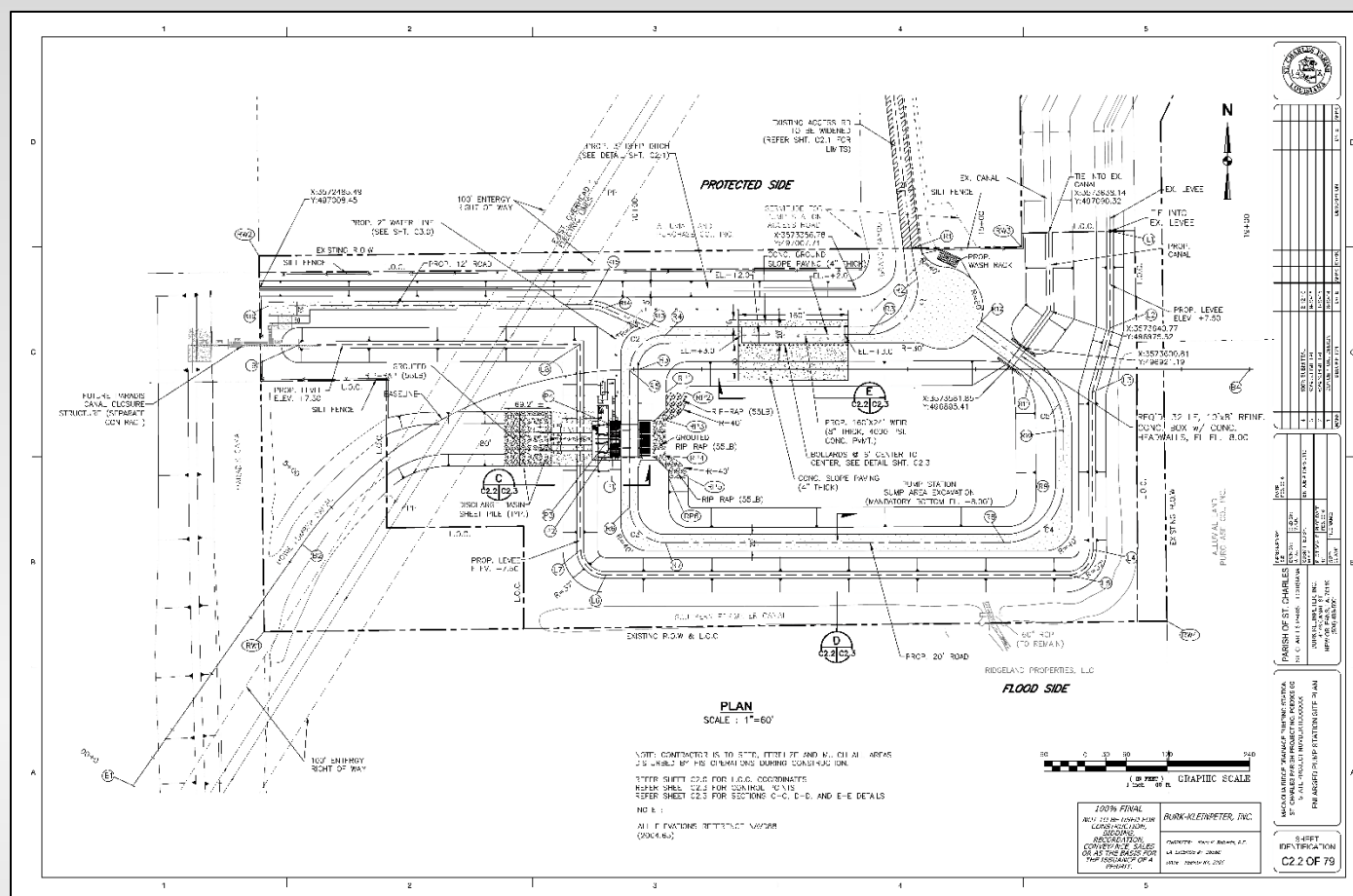
Construct a 20 foot wide gravel base access road for operation and maintenance.

Future Phases: 500cfs Pump Station, Pipeline T-Wall Crossings, Kellogg and Cousins Pump Station Frontal Protection.





# Magnolia Ridge Pump Station



500cfs Drainage Pump Station and Sump Excavation.

Surrounding Earthen Levee and Drainage Improvements.

Anticipate advertising for construction bids in 3Q 2016.

Construction estimated to start in 4Q 2016.





# Magnolia Ridge PS Access Rd

Joint Coastal Use Permits were issued on November 20, 2015.

Entergy provided project cost estimate to relocate and extend power lines to the pump station.

Offers to acquire utility servitudes presented to two (2) property owners.

Preliminary utility relocation and road work estimated to begin in May 2016.

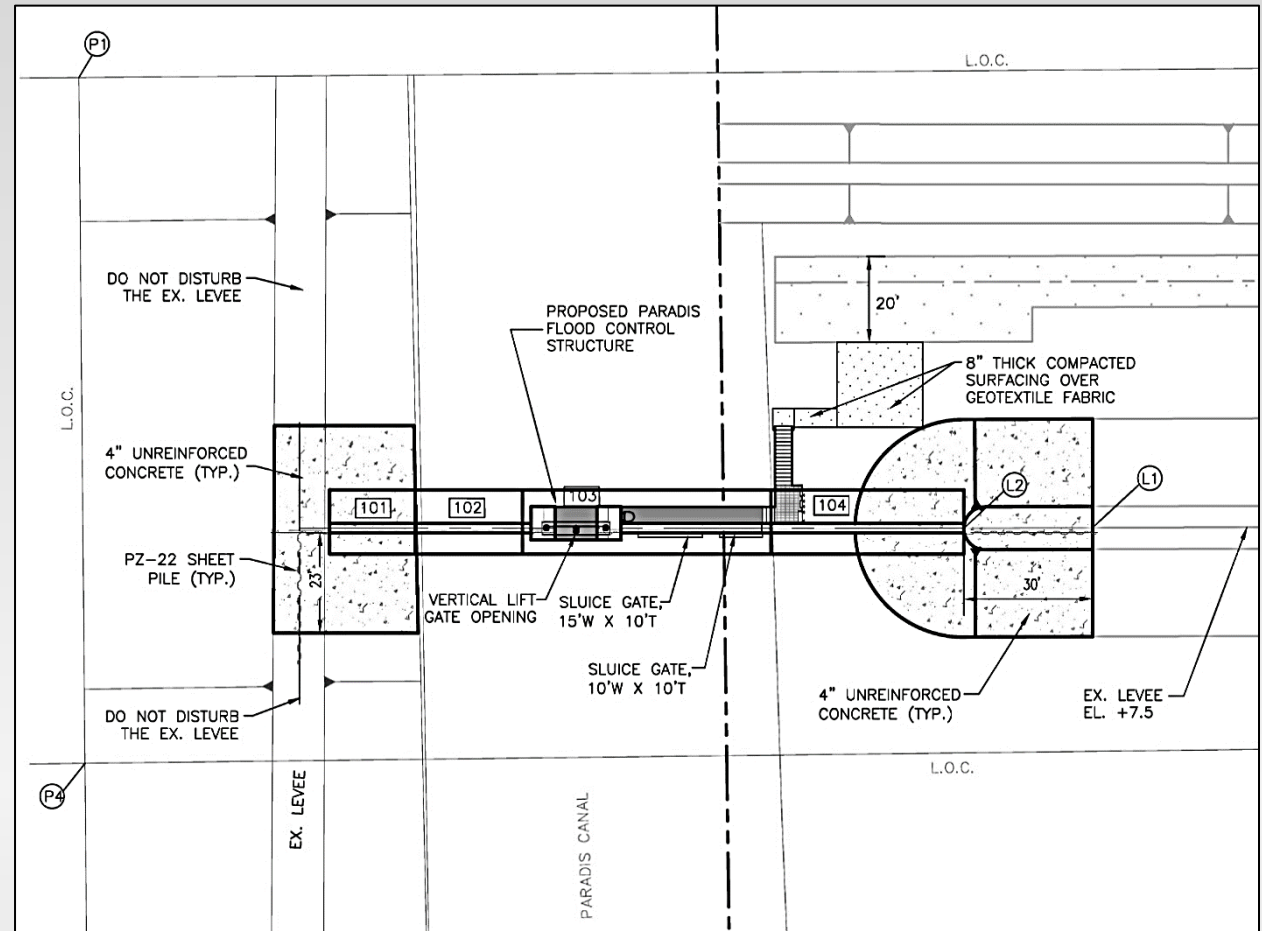




# Paradis Canal Control Structure

Elevation +14.5' structure will prevent backwater flooding when closed during an emergency event.

The structure will remain open in non-emergency conditions and accommodate boat passage.



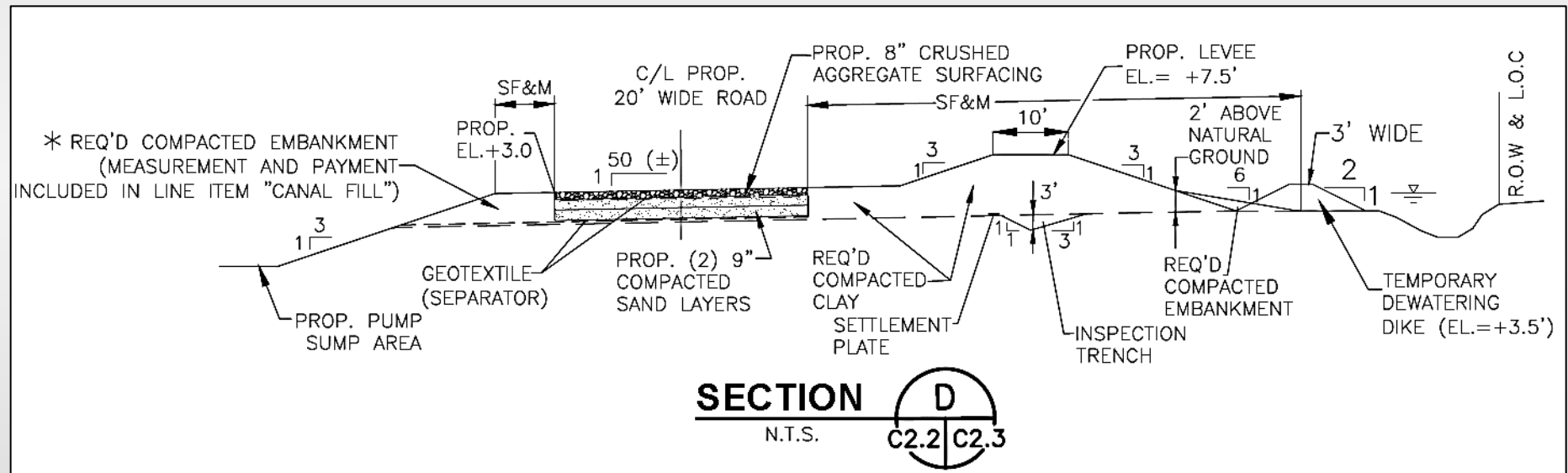
The Engineer will submit plans and specifications to Public Works for review by end of May 2016.







Construct parallel access road and pipeline timber matting.







# Sunset Pump Station



Notice to Proceed issued to Fleming Construction Co. to furnish and install two (2) 30" hydraulic drainage pumps and drive units and install a fuel tank on the intake platform.

\$862,735.00 total contract amount.

240 calendar day project.





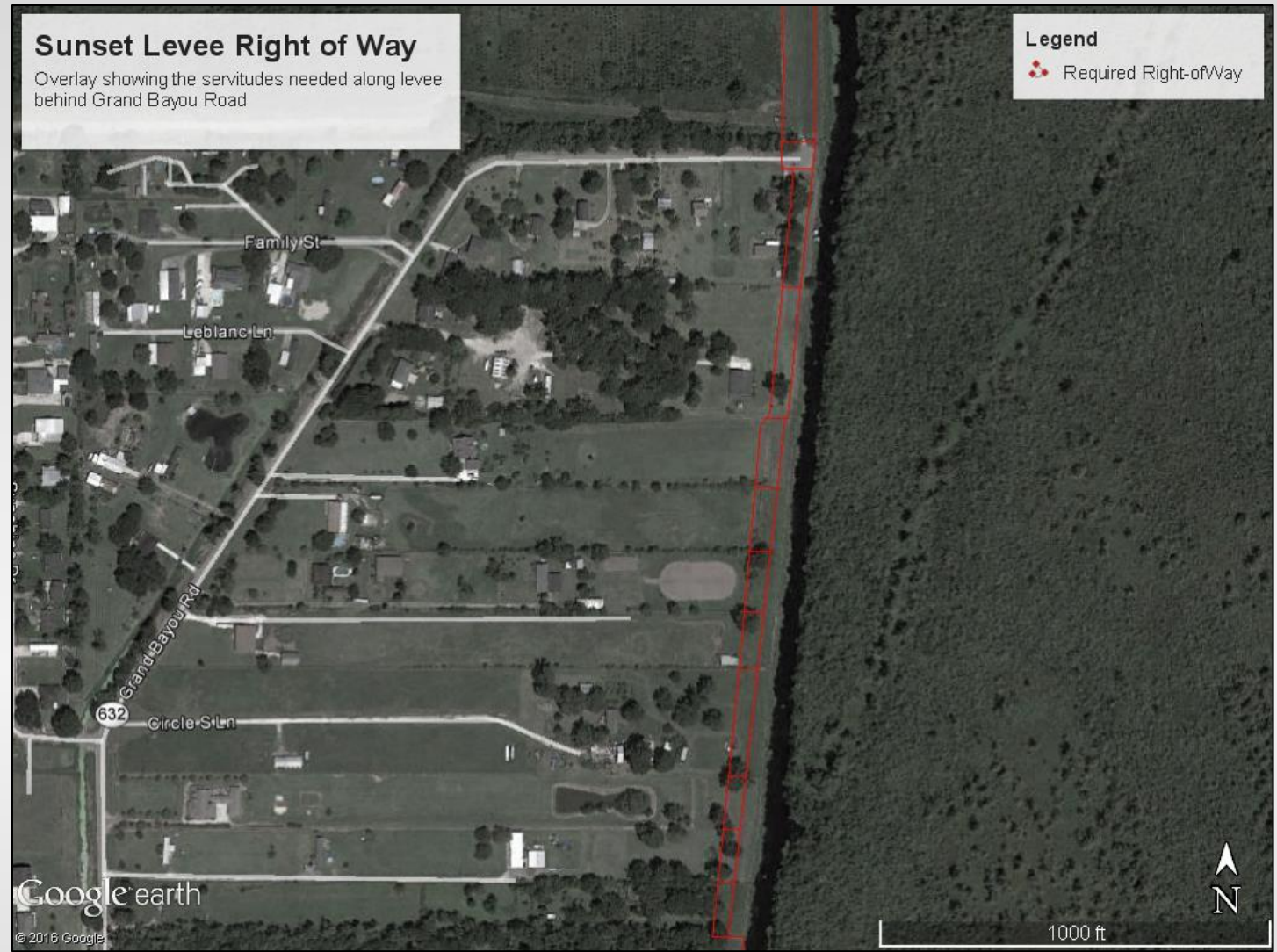
# Sunset Right of Way Acquisition

Right-of-way acquisition notification letters were sent to all required property owners on October 22, 2015.

Appraisal Process is ongoing and approximately 33% complete.

Just Compensation Offers are being finalized for first half of property owners.

Negotiations are scheduled to start April 1, 2016.



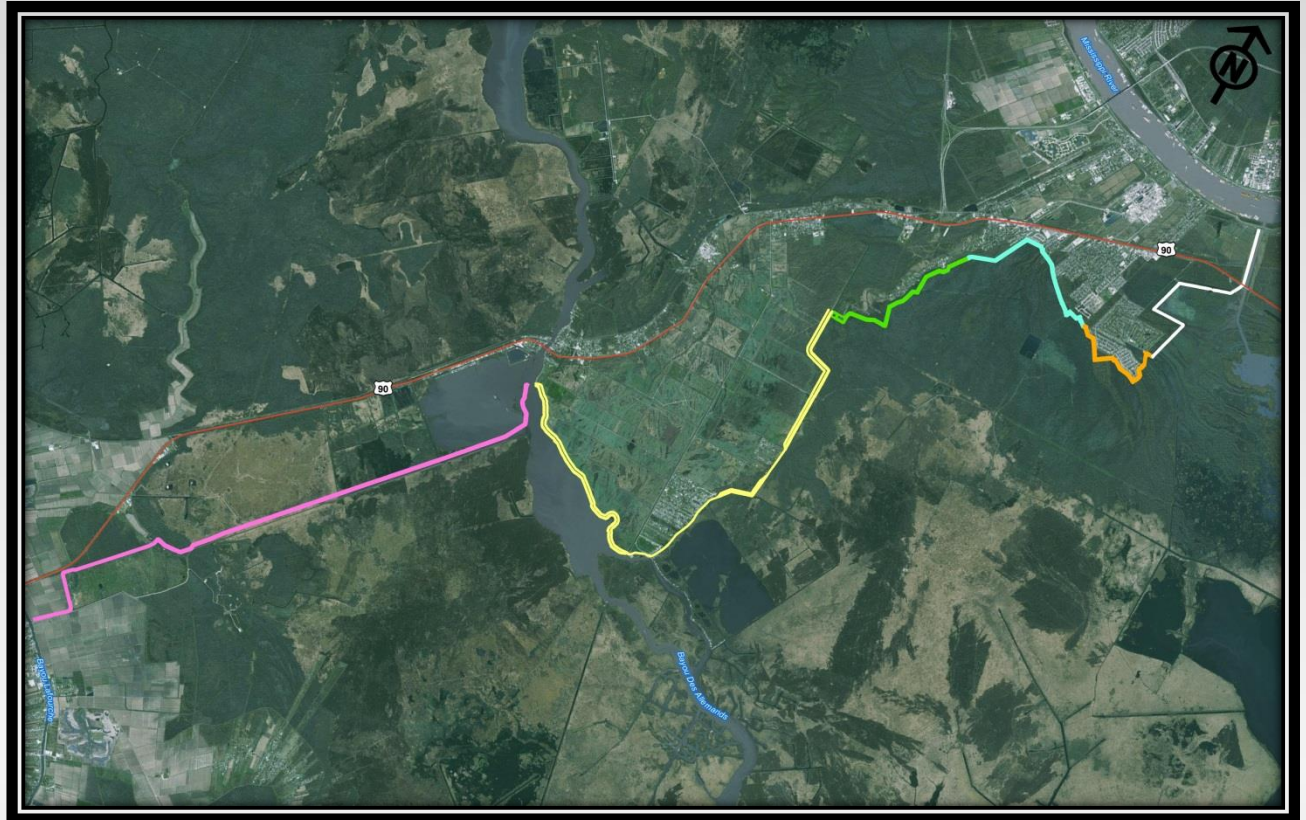


# UBBRR Permit Application

Upper Barataria Basin  
Risk Reduction (UBBRR)  
Permit Application  
being prepared by  
CB&I.

Drawings currently  
being finalized -  
scheduled to be  
submitted within next 30  
days.

Proposes 33 miles of  
levees and structures  
from Bayou Lafourche to the Davis Pond Diversion, including a 250' barge  
flood gate in Bayou Des Allemands. Permit information and application  
intended to support project inclusion in 2017 State Coastal Master Plan.





**QUESTIONS?  
THANK YOU.**

