100 Year Hurricane Protection Projects
Lake Pontchartrain and Vicinity
West Bank and Vicinity

Project Status Meeting

Environmental Compliance

Project Management

June 7, 2007 - 7:00 – 9:00 pm

Jefferson Parish Library, Jefferson Parish East Bank

4747 W. Napoleon Avenue

Metairie, Louisiana

US Army Corps of Engineers

NOLA Environmental

NEW ORLEANS, LOUISIANA

Environmental Compliance Data Bank

www.nolaenvironmental.gov

PROJECTS | MEETINGS | LIBRARY | DATA VIEWER | TECH AREA | GET INVOLVED | RELATED LINKS

Environmental Processes and NEPA Compliance

What is NEPA?

FEATURED PROJECT

USACE-MVN Emergency Alternative Arrangements
West Bank & Vicinity & Lake Pontchartrain & Vicinity
Hurricane Protection Projects

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.

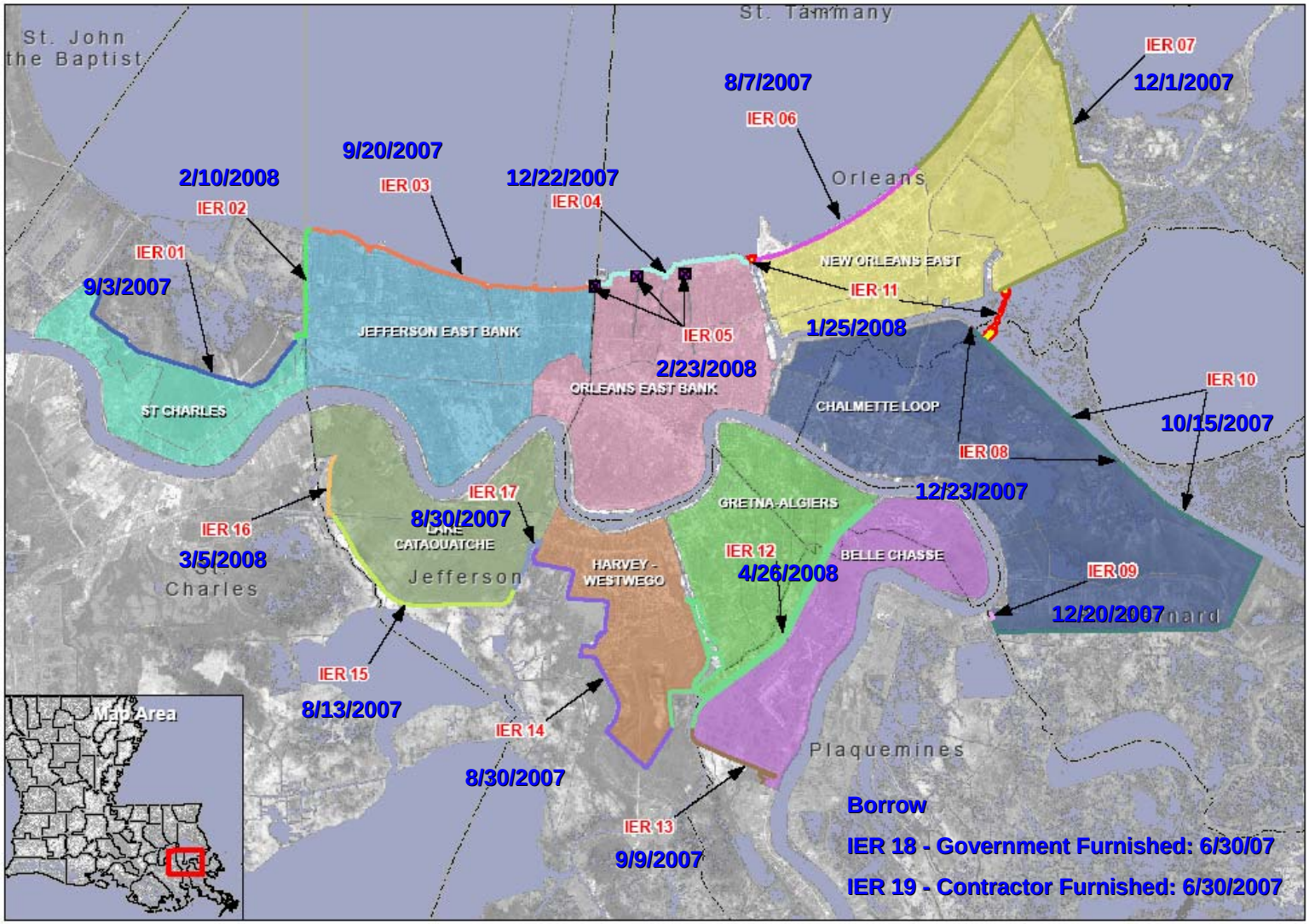
The U.S. Army Corps of Engineers implemented alternative arrangements on March 13, 2007 as authorized by the National Environmental Policy Act. These arrangements were implemented to expedite the completion of environmental compliance for the proposed 100-year Hurricane Protection Project authorized by the Administration and Congress for the New Orleans Metropolitan area. (Learn More)

USACE Alternative Arrangements NEPA Process
USACE Alternative Arrangements NEPA Process Appendix

- Prepare Individual Environmental Reports (IER) in support of National Environmental Policy Act, (NEPA), Clean Water Act, Endangered Species Act, and other environmental laws.
- Monthly Interagency Meetings: U.S. Fish and Wildlife Service, National Marine Fisheries Service, Environmental Protection Agency, National Park Service, La Department of Wildlife and Fisheries, La Department of Natural Resources, and La Department of Environmental Quality.
- Monthly Stakeholders Meetings.
- Conduct cultural resources surveys to locate, identify, and assess historic standing structures, shipwrecks, prehistoric and historic archeological sites along the project corridors.
- Conduct HTRW Phase I Environmental Site Assessments in accordance with ASTM standards along the project corridors.
- Provide for a New Orleans Area Hurricane Protection System Environmental Justice program with community involvement, education, and conducting socioeconomic research in compliance with Executive

Tentative Start of Public Review Period for Draft IERs

Sub Basins and Representative Project Groups



Map Legend

IER PROJECT GROUP

- IER 01
- IER 02
- IER 03
- IER 04
- IER 05
- IER 06
- IER 07
- IER 08
- IER 09
- IER 10
- IER 11
- IER 12
- IER 13
- IER 14
- IER 15
- IER 16
- IER 17

SUB BASIN

- Belle Chasse
- Gretna-Algiers
- Harvey-Westwego
- Jefferson East Bank
- Lake Cataouatche
- Orleans East Bank
- New Orleans East
- St. Bernard
- St. Charles

N W E S

0 1 2 4 6 8

Miles

US Army Corps of Engineers®

BORROW TEAM ACQUISITION PLAN

Estimated Borrow Needs: 142 Million Cubic Yards

U.S. ARMY CORPS
OF ENGINEERS,
NEW ORLEANS DISTRICT

HPO, PRO and Borrows Offices

LEGEND

Borrows (Property Polygons)
- Government Furnished All
- Contractor Furnished All

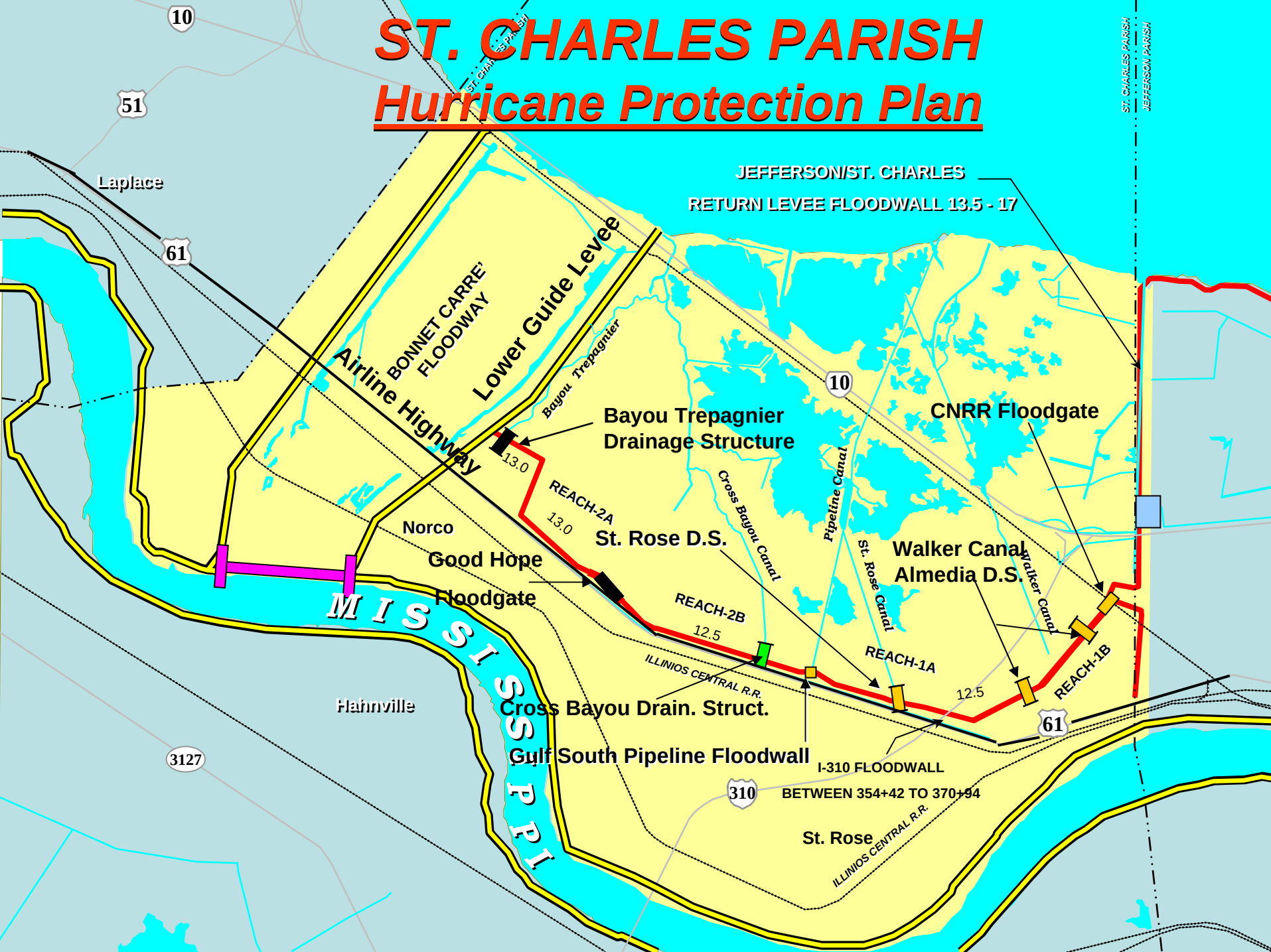
Borrows (Point Locations)
- Government Furnished All
- Contractor Furnished All
- Parish Boundary

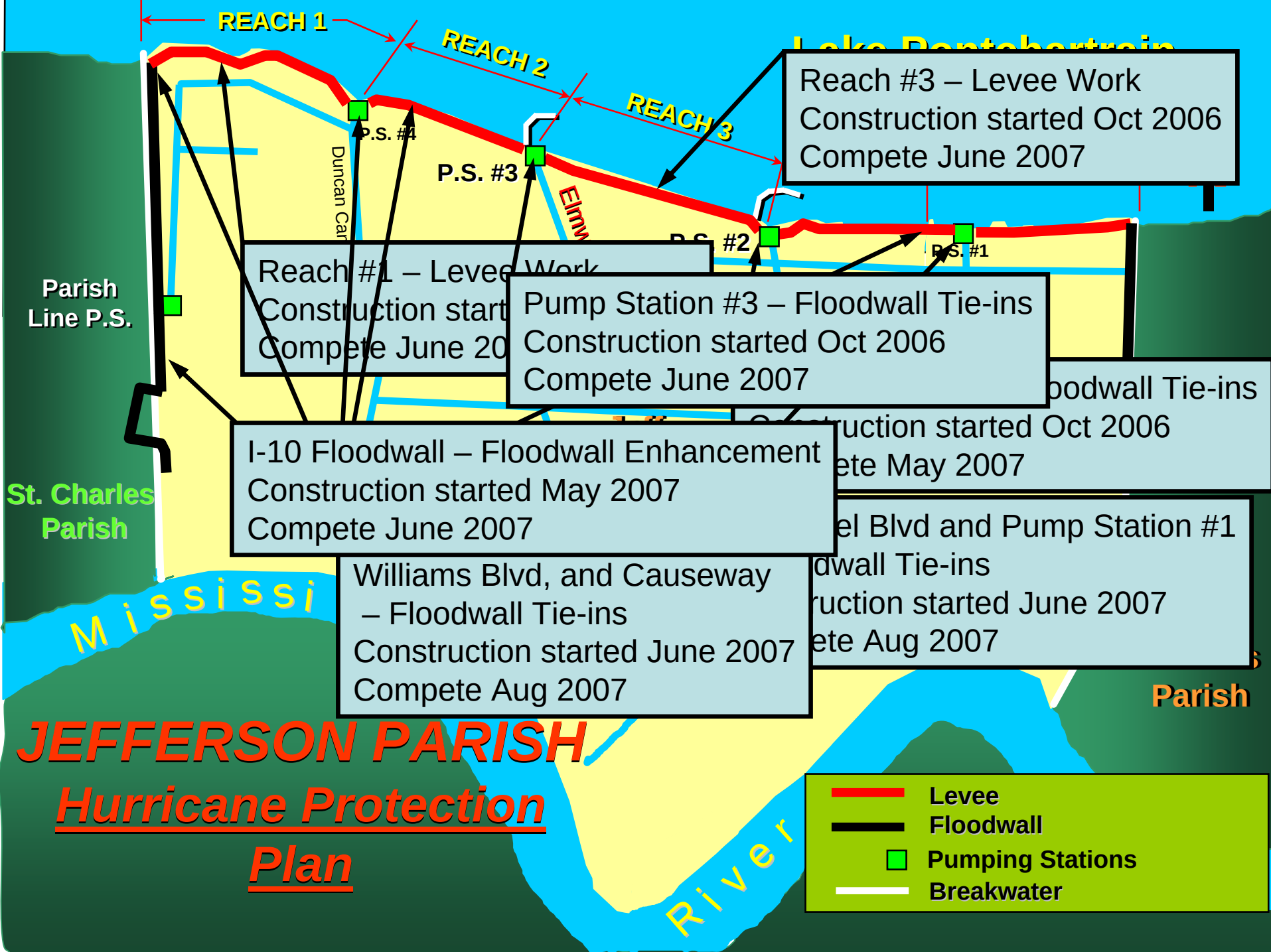
LOCATION MAP

IMAGERY
Projected coordinate system name: NAD_1983_UTM_Zone_15N
Geographic coordinate system name: GCS_North_American_1983
Resolution: 1.000000 meter

3/20/2007

Borrow Site Extents


ST. CHARLES PARISH
Hurricane Protection Plan
JEFFERSON/ST. CHARLES
RETURN LEVEE FLOODWALL 13.5 - 17
Laplace
10
51
61
BONNET CARRE' FLOODWAY
Lower Guide Levee
Airline Highway
Bayou Trepagnier
Bayou Trepagnier Drainage Structure
13.0
REACH-2A
13.0
Norco
Good Hope Floodgate
St. Rose D.S.
Cross Bayou Canal
Pipeline Canal
St. Rose Canal
Walker Canal
CNRR Floodgate
Walker Canal Almedia D.S.
REACH-2B
12.5
REACH-1A
12.5
REACH-1B
ILLINIOS CENTRAL R.R.
Cross Bayou Drain. Struct.
Gulf South Pipeline Floodwall
I-310 FLOODWALL
BETWEEN 354+42 TO 370+94
310
Hahnville
3127
St. Rose
ILLINIOS CENTRAL R.R.
MISSISSIPPI
ST. CHARLES PARISH
JEFFERSON PARISH


REACH 1
REACH 2
REACH 3
Lake Pontchartrain
P.S. #4
P.S. #3
P.S. #2
P.S. #1
Duncan Can
Elmw
Reach #3 – Levee Work
Construction started Oct 2006
Compete June 2007
Reach #1 – Levee Work
Construction start
Compete June 20
Pump Station #3 – Floodwall Tie-ins
Construction started Oct 2006
Compete June 2007
oodwall Tie-ins
ruction started Oct 2006
ete May 2007
Parish
Line P.S.
St. Charles
Parish
I-10 Floodwall – Floodwall Enhancement
Construction started May 2007
Compete June 2007
el Blvd and Pump Station #1
dwall Tie-ins
ruction started June 2007
ete Aug 2007
Williams Blvd, and Causeway
– Floodwall Tie-ins
Construction started June 2007
Compete Aug 2007
Mississi
Parish
JEFFERSON PARISH
Hurricane Protection
Plan
River
Levee
Floodwall
Pumping Stations
Breakwater

Pump Station #3 - Lakeside

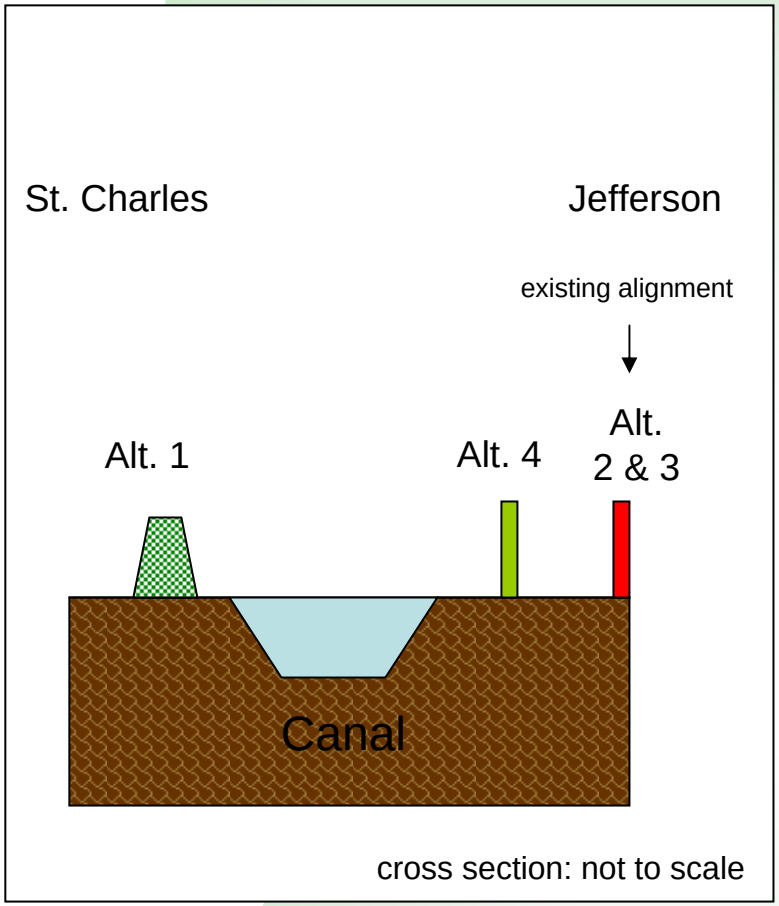
Reach 4 Looking East

West Return Floodwall Alternatives Evaluation

Study Area: Station 0+00 W/L at the New Orleans International Airport to the Jefferson Lakefront Levee at Station 180+91.62 W/L

- Draft Analysis submitted by consultant in October of 2006
- 95% Submittal received in December of 2006
- Final Analysis expected **July of 2007**

West Return Floodwall Alternatives Evaluation



Alternative 1: Earthen Levee (ST. Charles side of existing alignment)

Alternative 2: Modification of Existing Floodwalls by Adding Additional Wall Height (current alignment)

Alternative 3: Remove Existing Wall and Replace with New Wall (current alignment)

Alternative 4: New Wall Parallel to Existing Wall (canal side of existing alignment)

Alternative 5: Remove Existing Wall but reuse pile foundation for New Wall (current alignment)

Overall Project Map

LPV 101 – Lakefront Levee OEB - 17th St Canal to Topaz St
LPV 102 – Lakefront Levee OEB - Topaz to Orleans Canal
LPV 103 – Lakefront Levee OEB - Orleans Canal to London Ave
LPV 104 – Lakefront Levee OEB - London Avenue Canal to IHNC

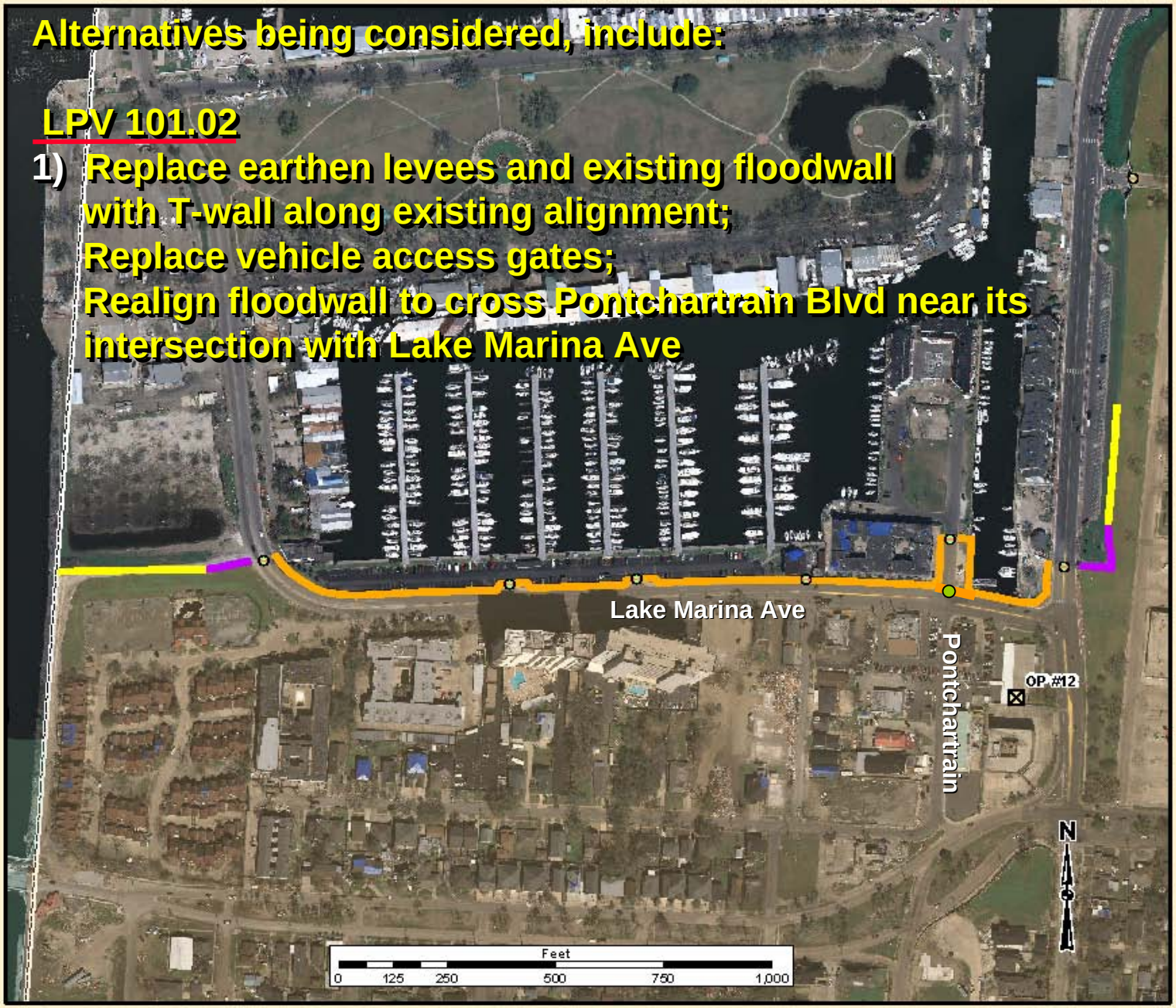
Predecisional Document. Do not release under FOIA.

LPV-101.01/101.02 - Lakefront Levee OEB - 17th St. Canal to Topaz St.

Alternatives being considered, include:

LPV 101.02

1) Replace earthen levees and existing floodwall with T-wall along existing alignment;
   Replace vehicle access gates;
   Realign floodwall to cross Pontchartrain Blvd near its intersection with Lake Marina Ave



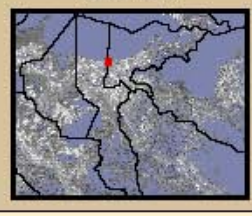
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MISSISSIPPI VALLEY DIVISION

Map Legend

PROJECT STATISTICS
Total Length: 3228'
Federal Floodwall: 2078'
Federal Hurricane Levee: 630'
Federal Levee and Floodwall: 283'
Structure Gaps (5): 236'
Authorized Grade: 14'
100-Year Grade 16'-18'
Existing Elevation 12.5'-13.5'
Est. Cost (Millions): Phase 1 - $1.0,
Phase 2 - $54.6

AREA MAP

REGION MAP

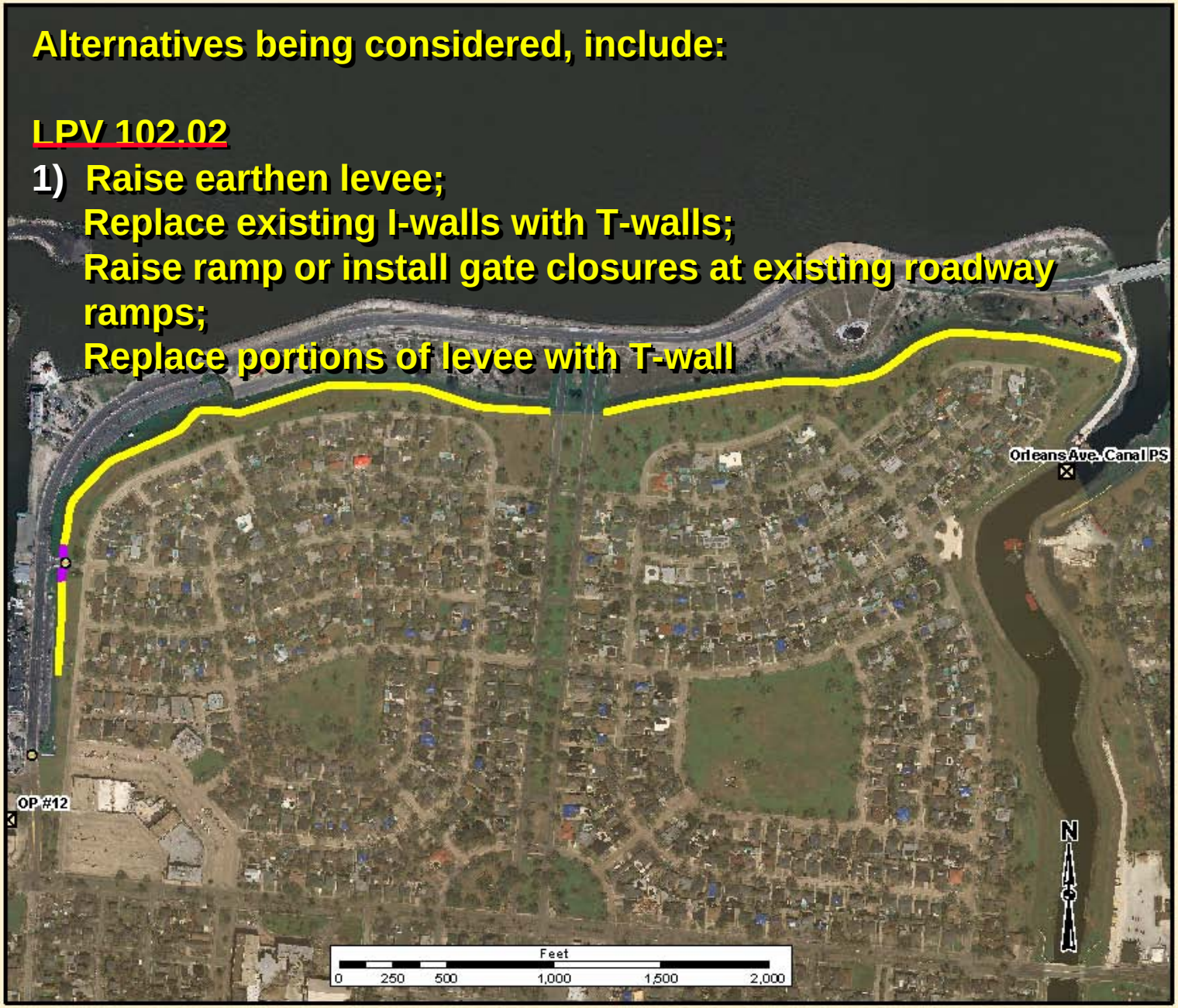


LPV-102.01/102.02 - Lakefront Levee OEB - Topaz St to Orleans Ave. Canal

Alternatives being considered, include:

LPV 102.02

1) Raise earthen levee;
   Replace existing I-walls with T-walls;
   Raise ramp or install gate closures at existing roadway ramps;
   Replace portions of levee with T-wall



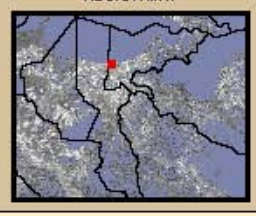
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MISSISSIPPI VALLEY DIVISION

Map Legend

PROJECT STATISTICS
Total Length: 6022'
Federal Hurricane Levee: 5577'
Federal Levee and Floodwall: 151'
Structure Gaps (6): 294'
Authorized Grade: 18.5'
100-Year Grade: 18.5'-20.5'
Existing Elevation: 16.5'-19.0'
Est. Cost (Millions): Phase 1 - $4.2,
Phase 2 - $10.6

AREA MAP

REGION MAP

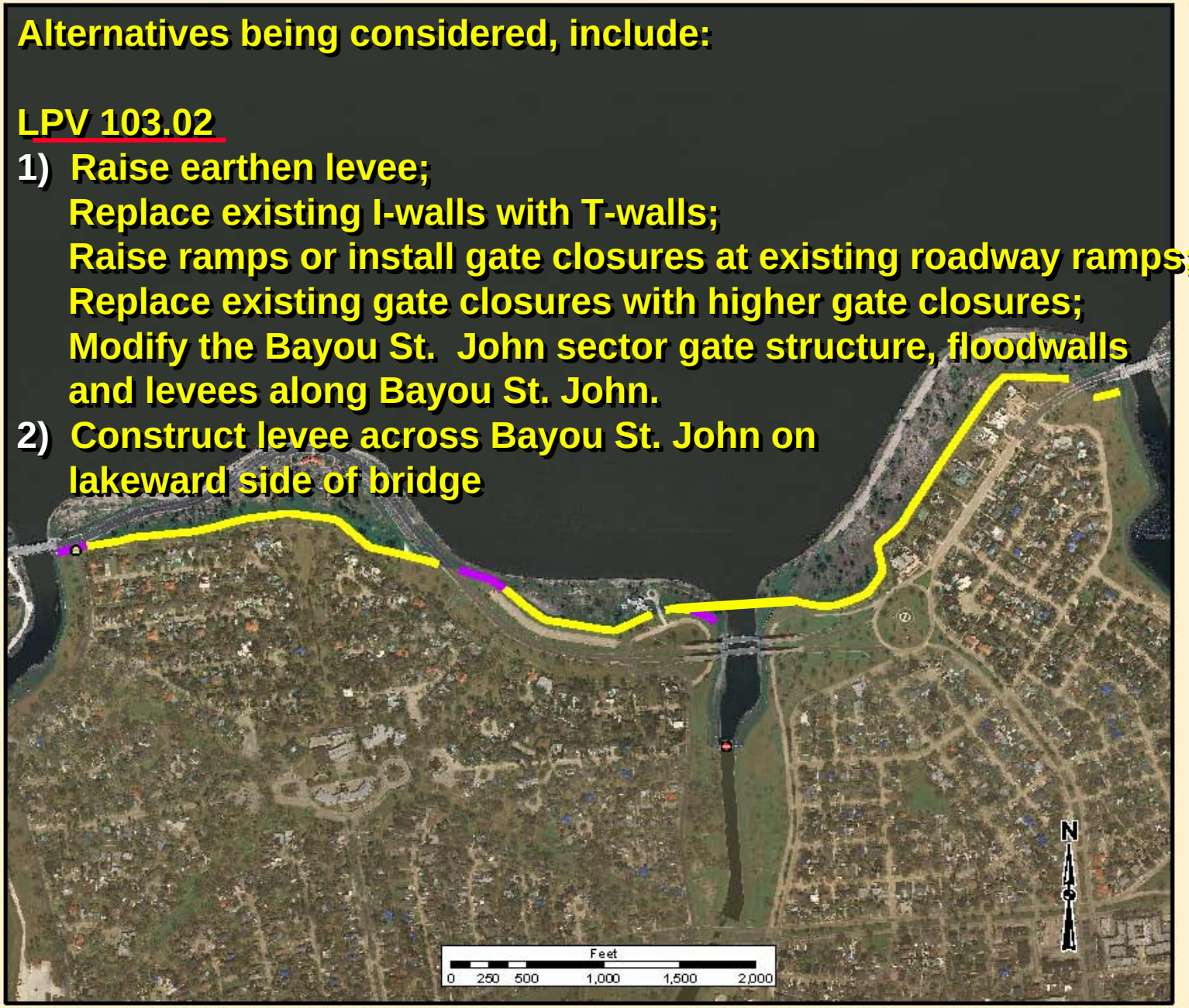


LPV-103.01/103.02 - Lakefront Levee OEB - Orleans Canal to London Ave.

Alternatives being considered, include:

LPV 103.02

1) Raise earthen levee;
   Replace existing I-walls with T-walls;
   Raise ramps or install gate closures at existing roadway ramps;
   Replace existing gate closures with higher gate closures;
   Modify the Bayou St. John sector gate structure, floodwalls and levees along Bayou St. John.
2) Construct levee across Bayou St. John on lakeward side of bridge



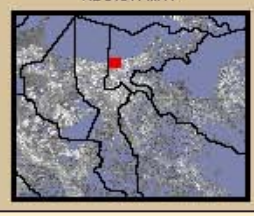
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MISSISSIPPI VALLEY DIVISION

Map Legend

PROJECT STATISTICS
Total Length: 7721'
Federal Hurricane Levee: 6479'
Federal Levee and Floodwall: 668'
Structure Gaps (5): 573'
Authorized Grade: 18.0'
100-Year Grade 18.5'-20.5'
Existing Elevation 16.5'-20.0'
Est. Cost (Millions): Phase 1 - $9.1,
Phase 2 - $45.0

AREA MAP

REGION MAP



LPV-104.01/104.02 - Lakefront Levee OEB - London Ave. Canal to IHNC

Alternatives being considered, include:

LPV 104.02

1) **Raise earthen levee;**
   Replace existing I-walls around UNO Research Park and the OLD Yard with Levee
   Realign levee west of OLD Yard lakeward.
   Replace existing I-wall west of IHNC with T-walls;
   Raise roadway ramp crossings or install new floodgates

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MISSISSIPPI VALLEY DIVISION

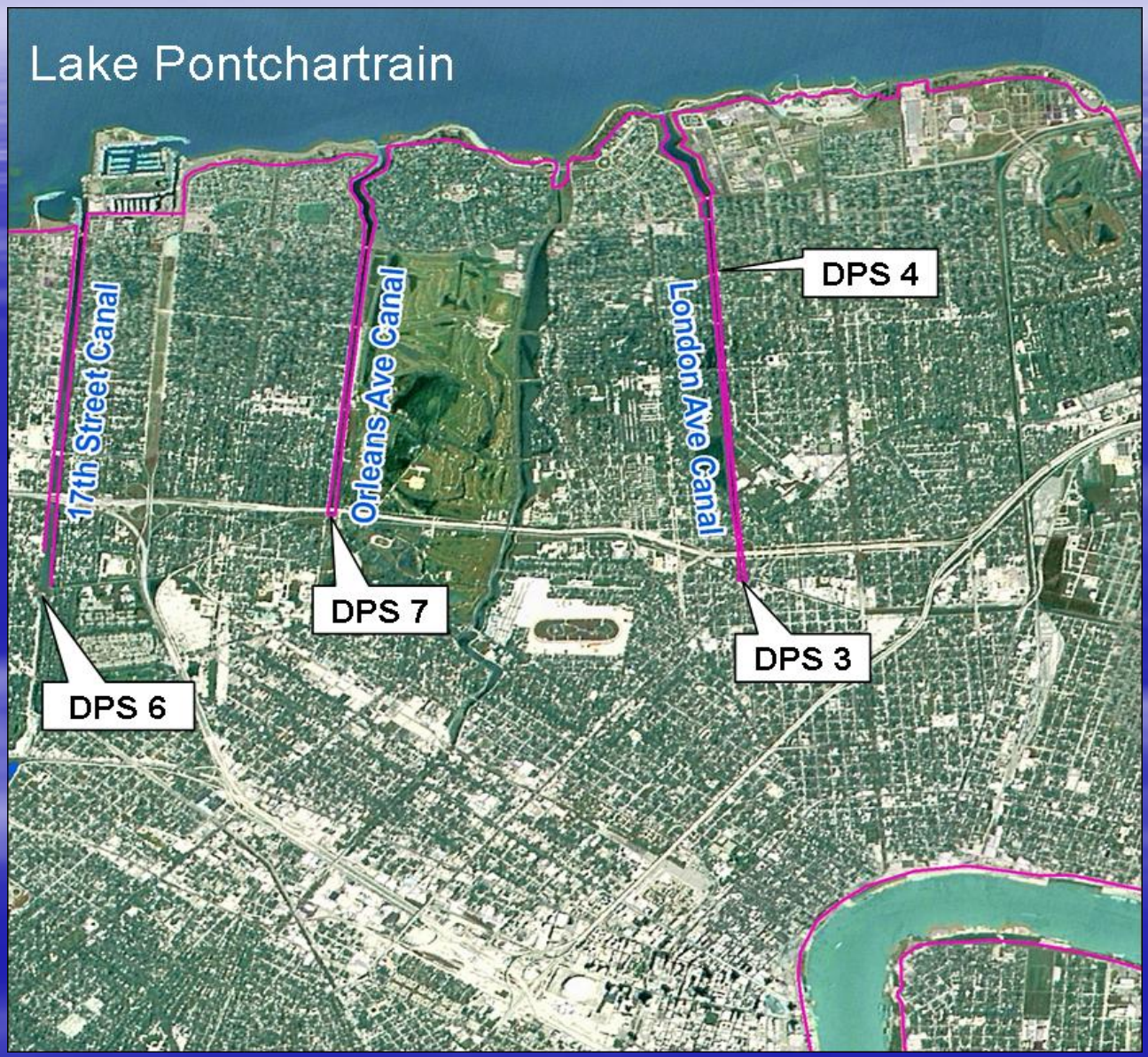
Map Legend

PROJECT STATISTICS
Total Length: 13691'
Federal Floodwall: 538'
Federal Hurricane Levee: 9702'
Federal Levee and Floodwall: 2930'
Structure Gaps (6): 520'
Authorized Grade: 18.0'-20.5'
100-Year Grade 18.5'-20.5'
Existing Elevation 15.0'-20.0'
Est. Cost (Millions): Phase 1 - $5.8, Phase 2 - $25.2

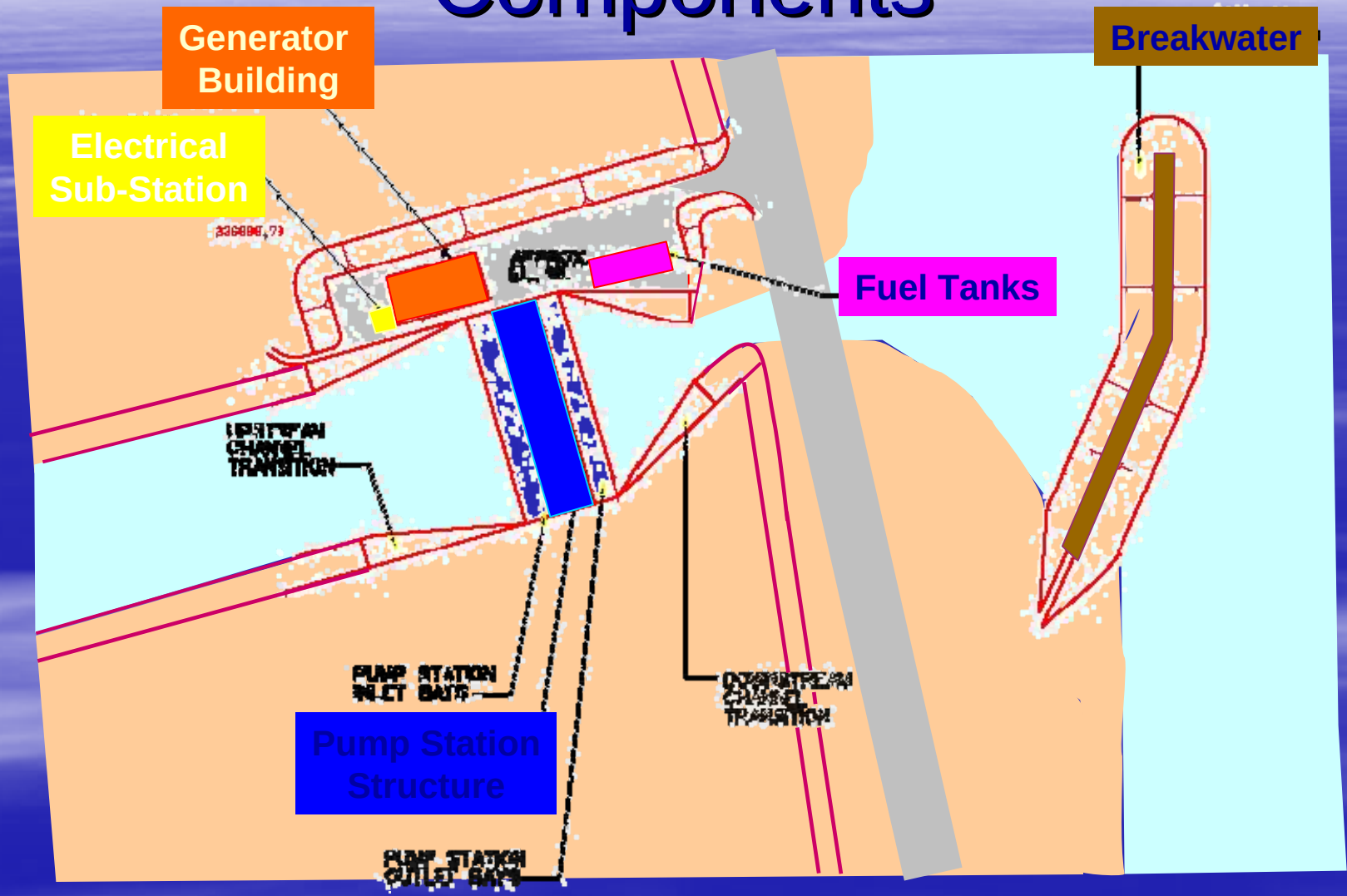
AREA MAP

REGION MAP

Existing Facilities



Typical Pump Station Components



PROJECT PROGRESS

- Developing Best Engineering Solution with Senior Panel of Engineers and Stakeholder Input
- 17th Street Canal Repairs
- Proceeding with London Avenue Canal Load Test
- AE firm working on Structural Repairs to walls of all Outfall Canals

Questions?
Comments?