

# JOINT PUBLIC NOTICE

23 April 2018

United States Army  
Corps of Engineers  
New Orleans District  
Regulatory Branch  
7400 Leake Avenue  
New Orleans, Louisiana 70118

(504) 862-2279  
[kara.vick@usace.army.mil](mailto:kara.vick@usace.army.mil)  
Project Manager  
Kara Vick  
Permit Application Number  
MVN 2017-00569-EV

State of Louisiana  
Department of Environmental Quality  
ATTN: Water Quality Certifications  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

(225) 219-3225  
Project Manager  
Elizabeth Hill  
WQC Application Number  
WQC 180416-01

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

## **Ring Levee System in Crown Point, Jefferson Parish**

**NAME OF APPLICANT:** Lafitte Levee District, ATTN: ELOS Environmental, LLC, Mr. Flynn Daigle, at 43177 East Pleasant Ridge Road, Hammond, Louisiana 70403.

**LOCATION OF WORK:** Located within Bayou Baratavia and Bayou Des Families, in Crown Point, Jefferson Parish, Louisiana, as shown on the attached drawings.

**HUC:** 08090301: East – Central Louisiana Coastal

**CHARACTER OF WORK:** To install a ring levee system to provide tidal protection measures to Crown Point, Louisiana. The system will include the installation of bulkheads, earthen levees, and I-walls with double and single gates and knife gate valves as flow control measures. The tidal protection structures will permanently impact approximately 6.02 acres of bottomland hardwood wetlands, and 1.42 acres of other waters. Temporary impacts will occur via equipment access and staging to 1.61 acres of bottomland hardwood, and 0.14 acres of other waters. The applicant proposes to purchase credits from a mitigation bank to offset any unavoidable losses to wetland functions caused by project implementation.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close 20 days from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period.

Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, ATTENTION: REGULATORY BRANCH. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

#### Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect any species listed as endangered, nor habitat designated as critical to the survival and recovery of species listed as endangered by the U.S. Department of Commerce.

Utilizing Standard Local Operating Procedure for Endangered Species in Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and

Wildlife Service, Ecological Services Office, the Corps has determined that the proposed activity would have no effect on any listed species nor affect any habitat designated as critical to the survival and recovery of any endangered species of concern to the USFW.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of N/A acre of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality before a permit is issued.

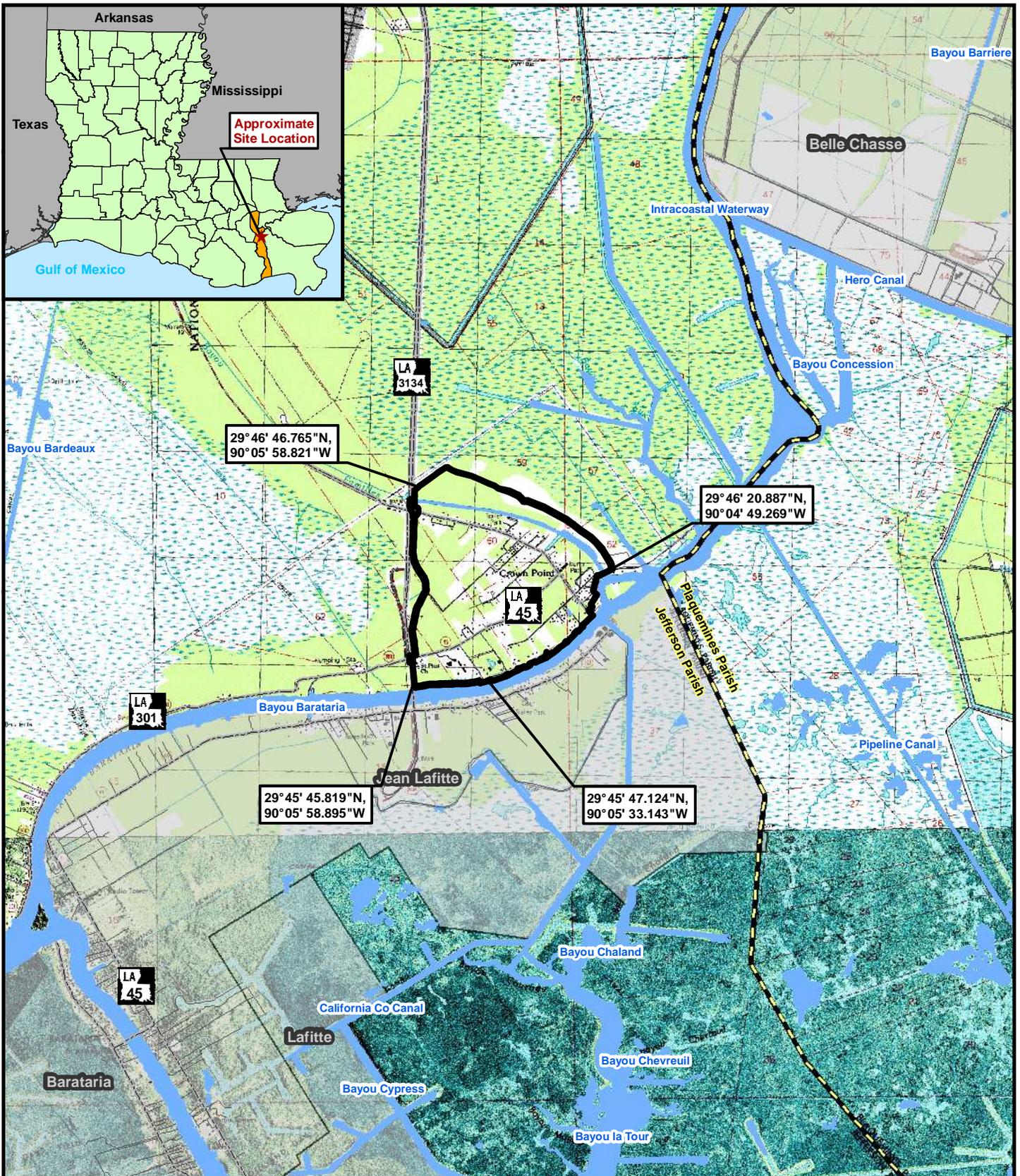
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Michael V. Farabee  
Chief, Eastern Evaluation Section

Enclosure




**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

0 2,500 5,000 Feet



**Figure 1: TopoVicinity Map**

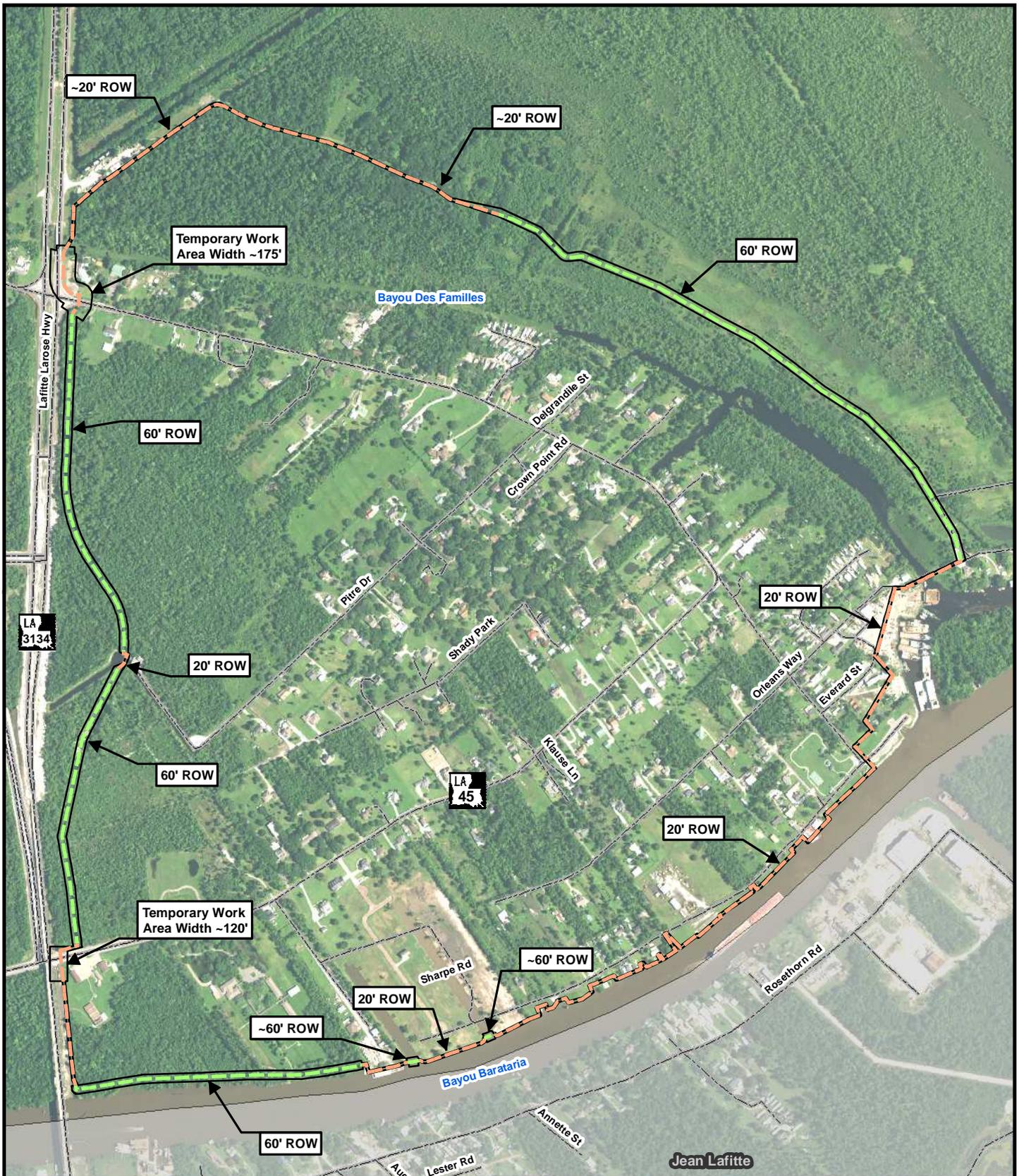
**Crown Point Ring Levee**

**Legend:**

- ROW
- Highway
- Roadway
- Parish Boundary
- Stream/River
- Waterbody
- City/Town

T15S of R23E, Secs. 11, 12, 60, 62  
T15S of R24E, Secs. 52 & 65  
Crown Point, Jefferson Parish, Louisiana

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**ELOS**  
 environmental  
<http://elosenv.com/>  
 43177 East Pleasant Ridge Road  
 Hammond, Louisiana 70403  
 P. 985-662-5501, F. 985-662-5504

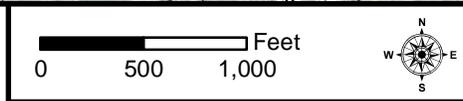


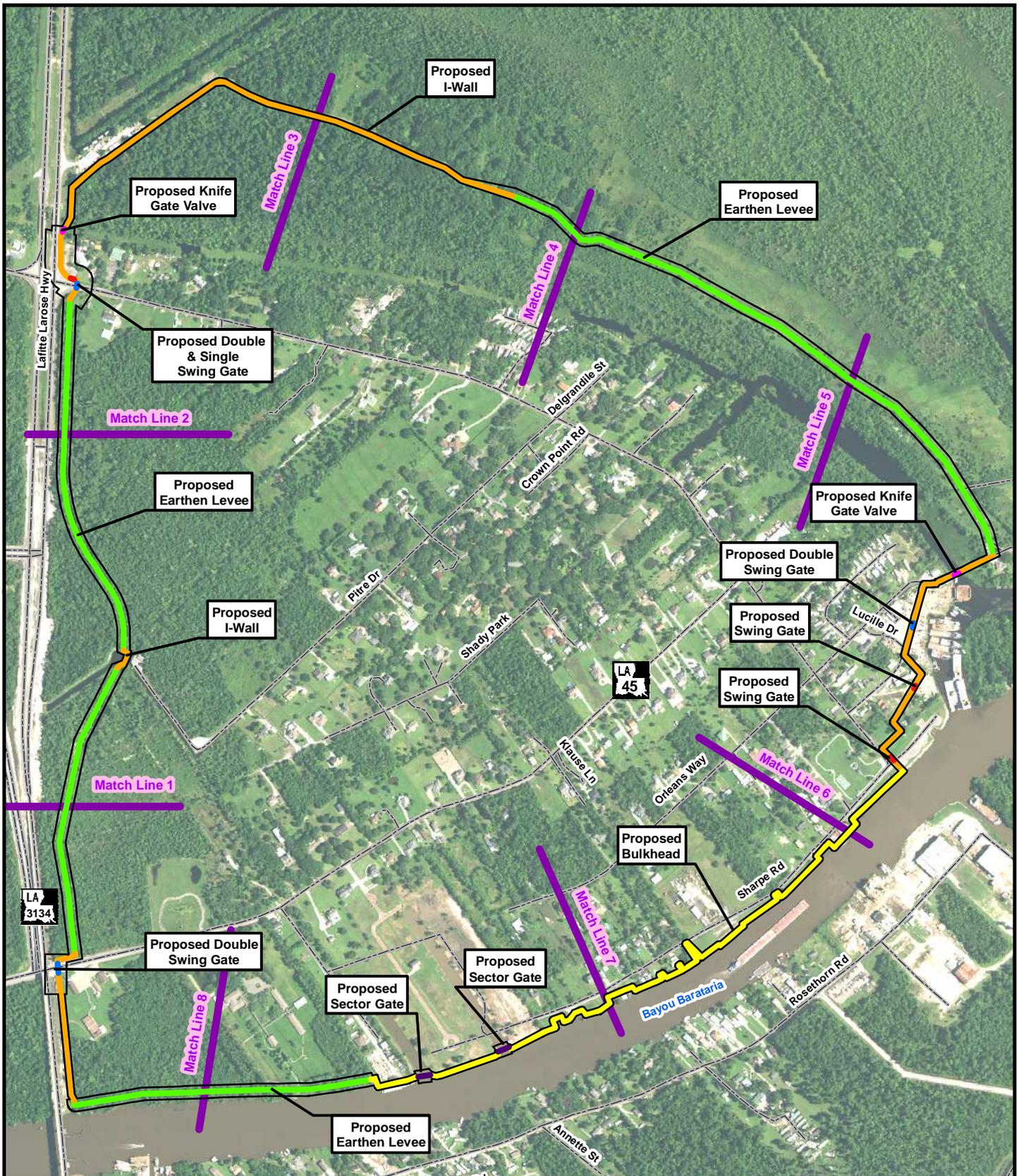
Figure 2: Site Conditions

## Crown Point Ring Levee

**Legend:**

- ROW ~22.71 Acres
- 20' ROW ~12,296'
- 60' ROW ~10,639'
- Roadway
- City/Town

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**ELOS**  
 environmental  
<http://elosenv.com/>  
 43177 East Pleasant Ridge Road  
 Hammond, Louisiana 70403  
 P. 985-662-5501, F. 985-662-5504

0 500 1,000 Feet

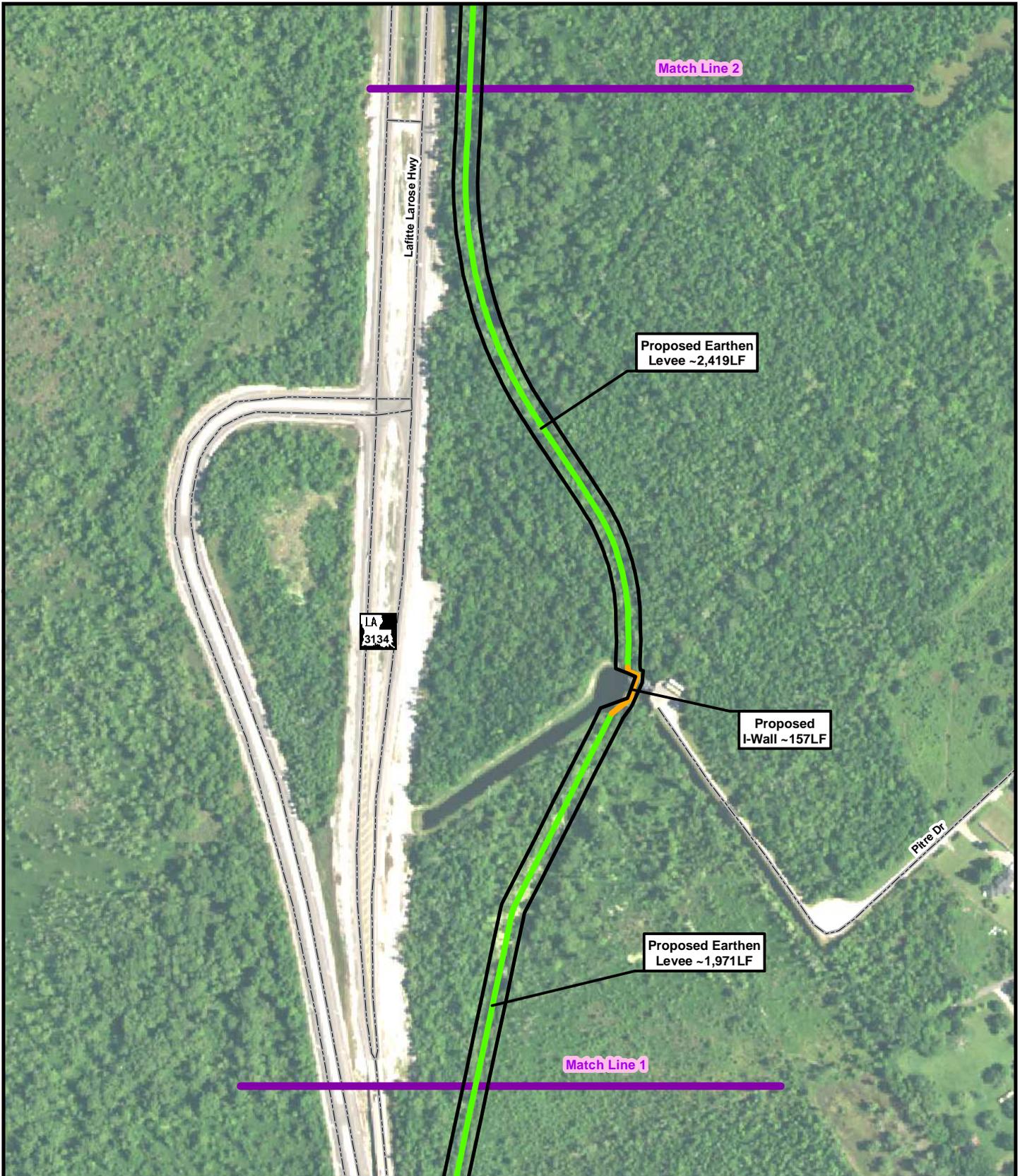
**Figure 3: Plan View**

**Crown Point Ring Levee**

**Legend:**

ROW	I-Wall	Match Line
Bulkhead	Knife Gate Valve	Roadway
Double Swing Gate	Sector Gate	
Earthen Levee	Swing Gate	

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**ELOS**  
 environmental  
<http://elosenv.com/>  
 43177 East Pleasant Ridge Road  
 Hammond, Louisiana 70403  
 P. 985-662-5501, F. 985-662-5504

0 250 500 Feet

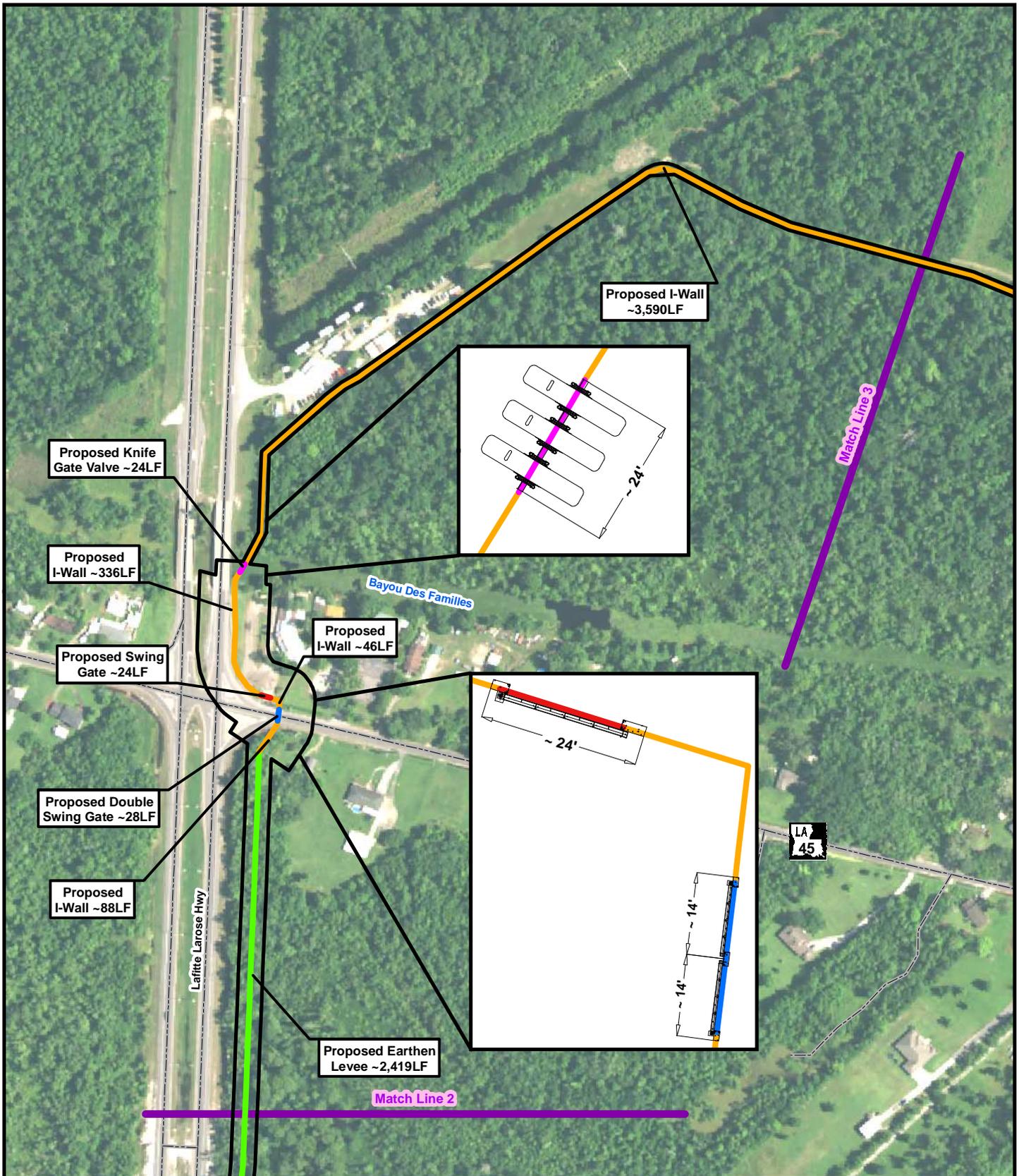
**Figure 3.1: Plan View**

**Crown Point Ring Levee**

**Legend:**

ROW	I-Wall	Match Line
Bulkhead	Knife Gate Valve	Roadway
Double Swing Gate	Sector Gate	
Earthen Levee	Swing Gate	

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

0 250 500 Feet

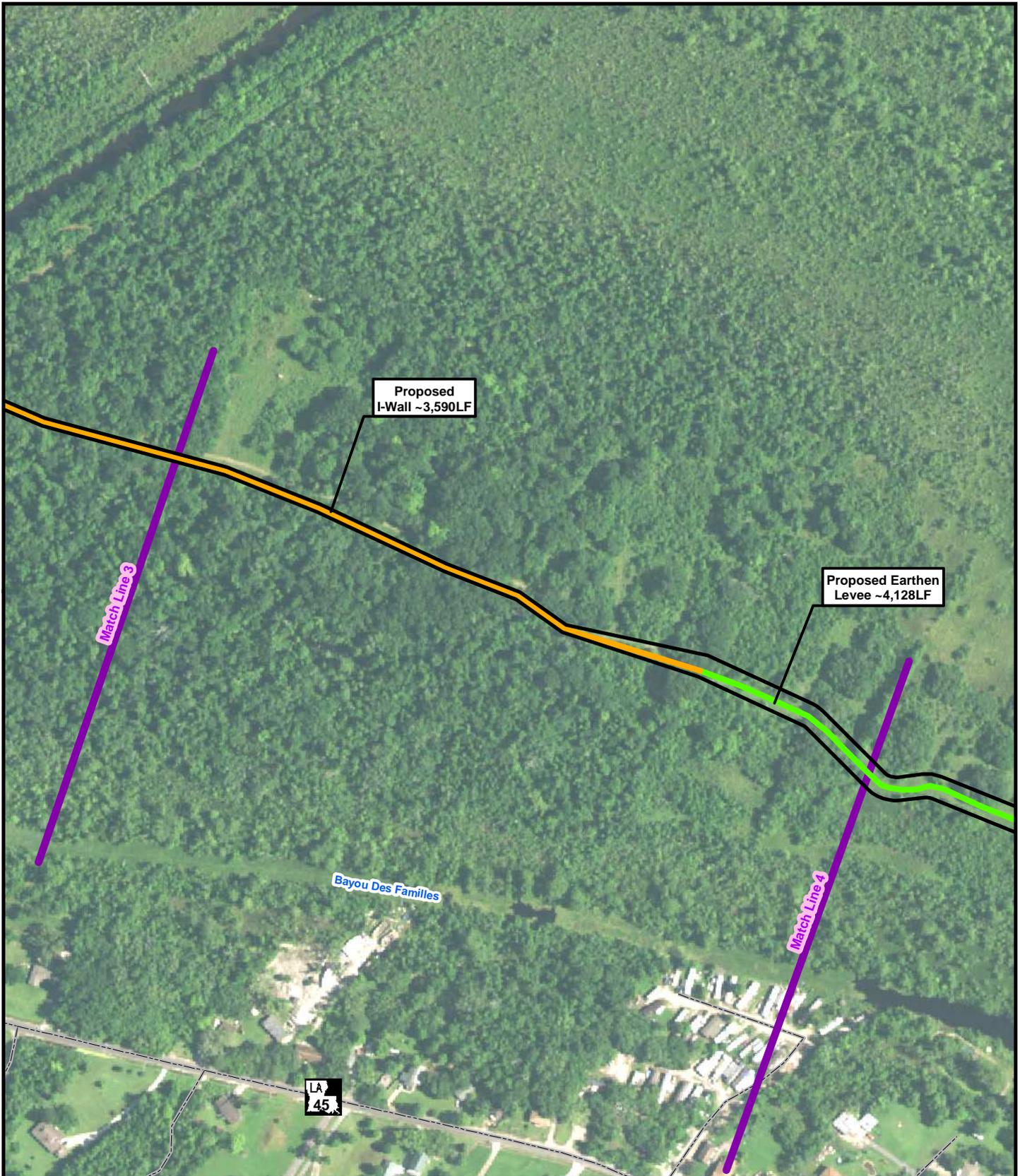
**Figure 3.2: Plan View**

**Crown Point Ring Levee**

**Legend:**

ROW	I-Wall	Match Line
Bulkhead	Knife Gate Valve	Roadway
Double Swing Gate	Sector Gate	
Earthen Levee	Swing Gate	

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



Proposed  
I-Wall ~3,590LF

Proposed Earthen  
Levee ~4,128LF

Match Line 3

Match Line 4

Bayou Des Familles

LA  
45

**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

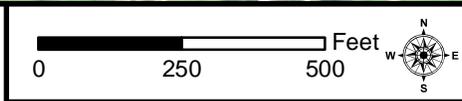
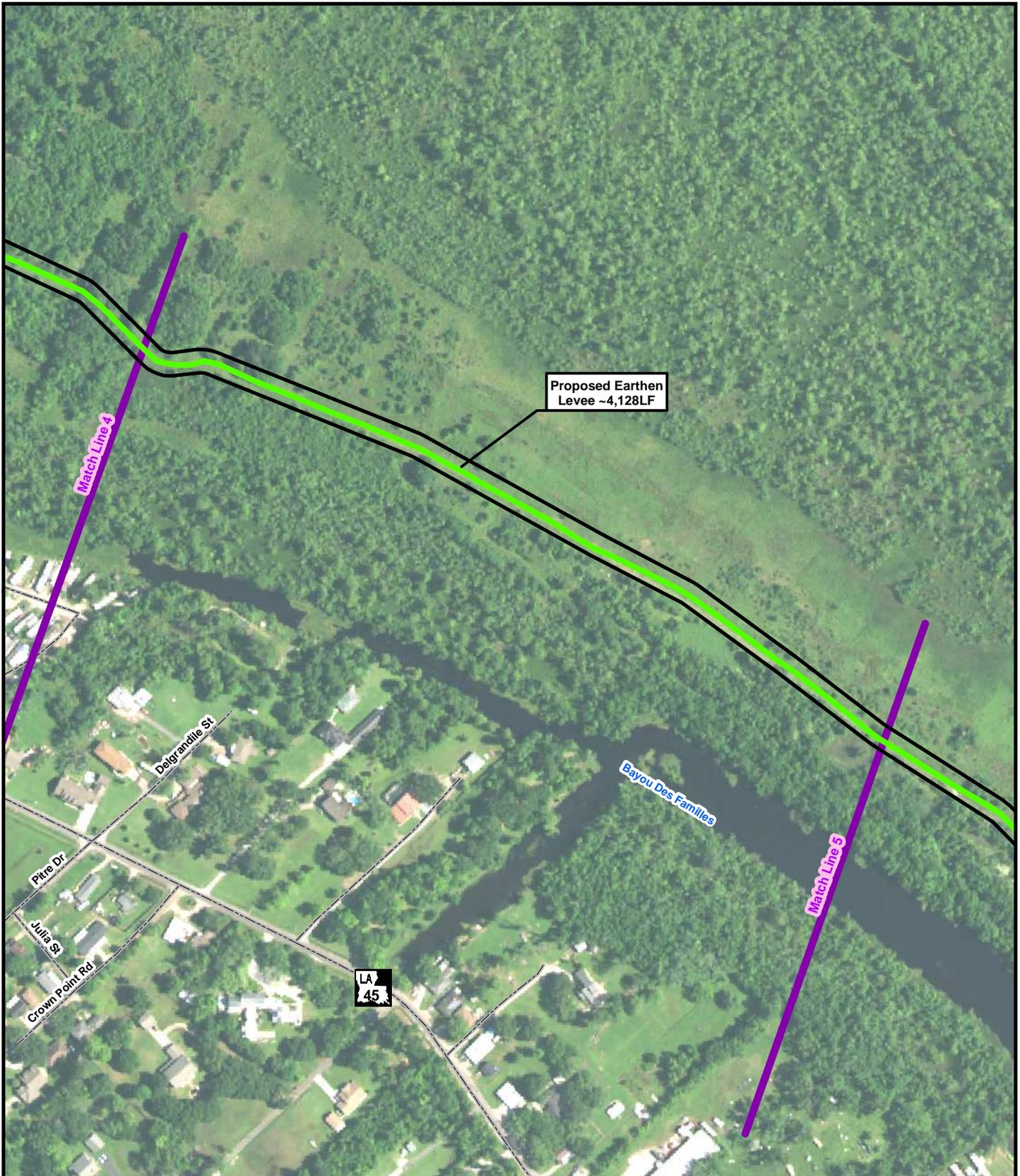


Figure 3.3: Plan View

**Crown Point Ring Levee**

Legend:		
ROW	I-Wall	Match Line
Bulkhead	Knife Gate Valve	Roadway
Double Swing Gate	Sector Gate	
Earthen Levee	Swing Gate	

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



Proposed Earthen  
Levee ~4,128LF

Match Line 4

Bayou Des Familles

Match Line 5

Delgrandie St

Pitre Dr

Julia St

Crown Point Rd

LA 45

**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

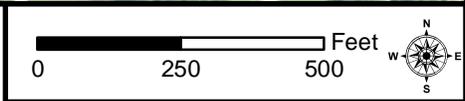
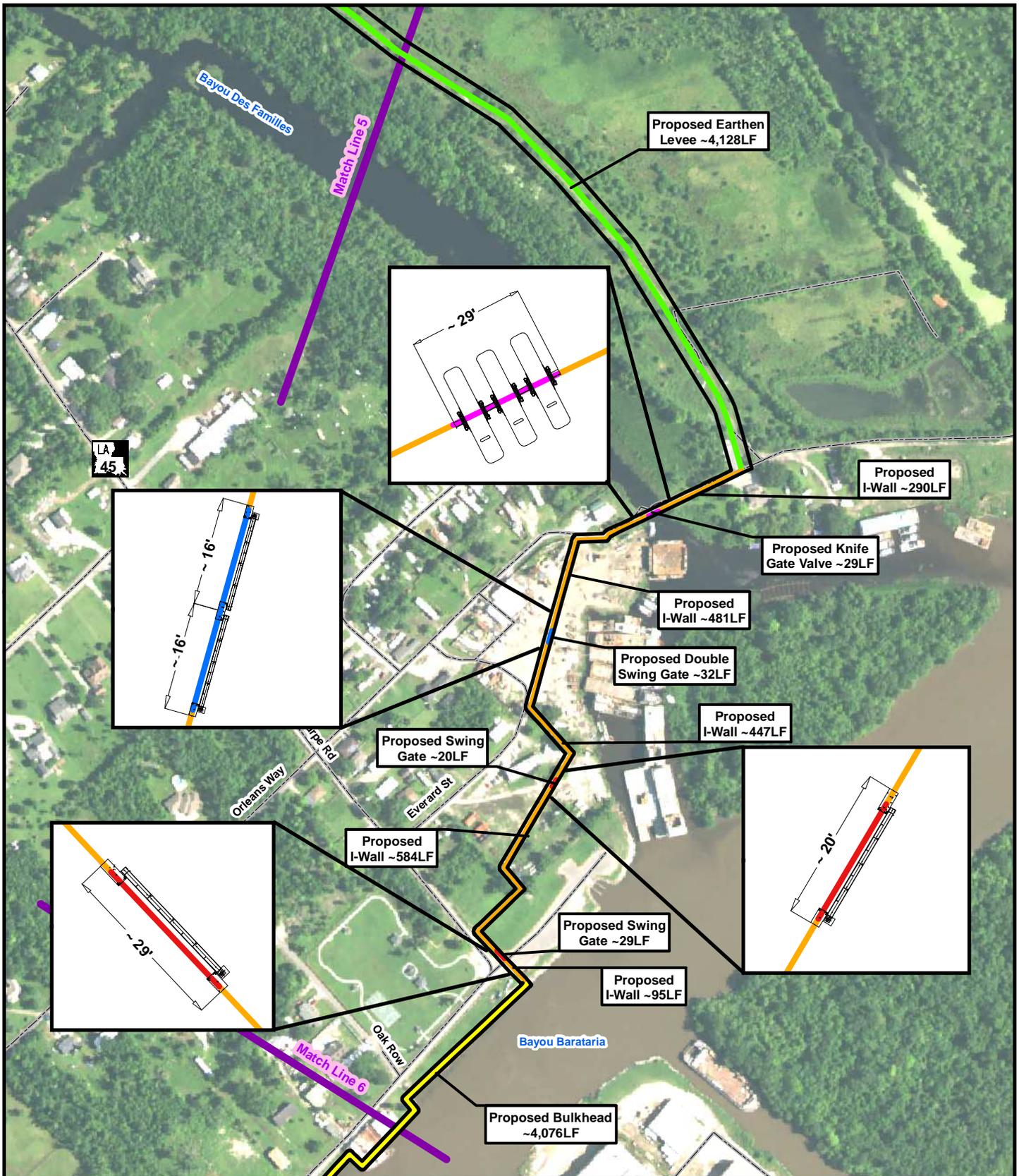


Figure 3.4: Plan View

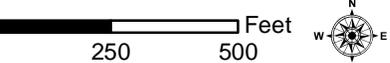
**Crown Point Ring Levee**

Legend:		
ROW	I-Wall	Match Line
Bulkhead	Knife Gate Valve	Roadway
Double Swing Gate	Sector Gate	
Earthen Levee	Swing Gate	

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



LA 45



**Legend:**

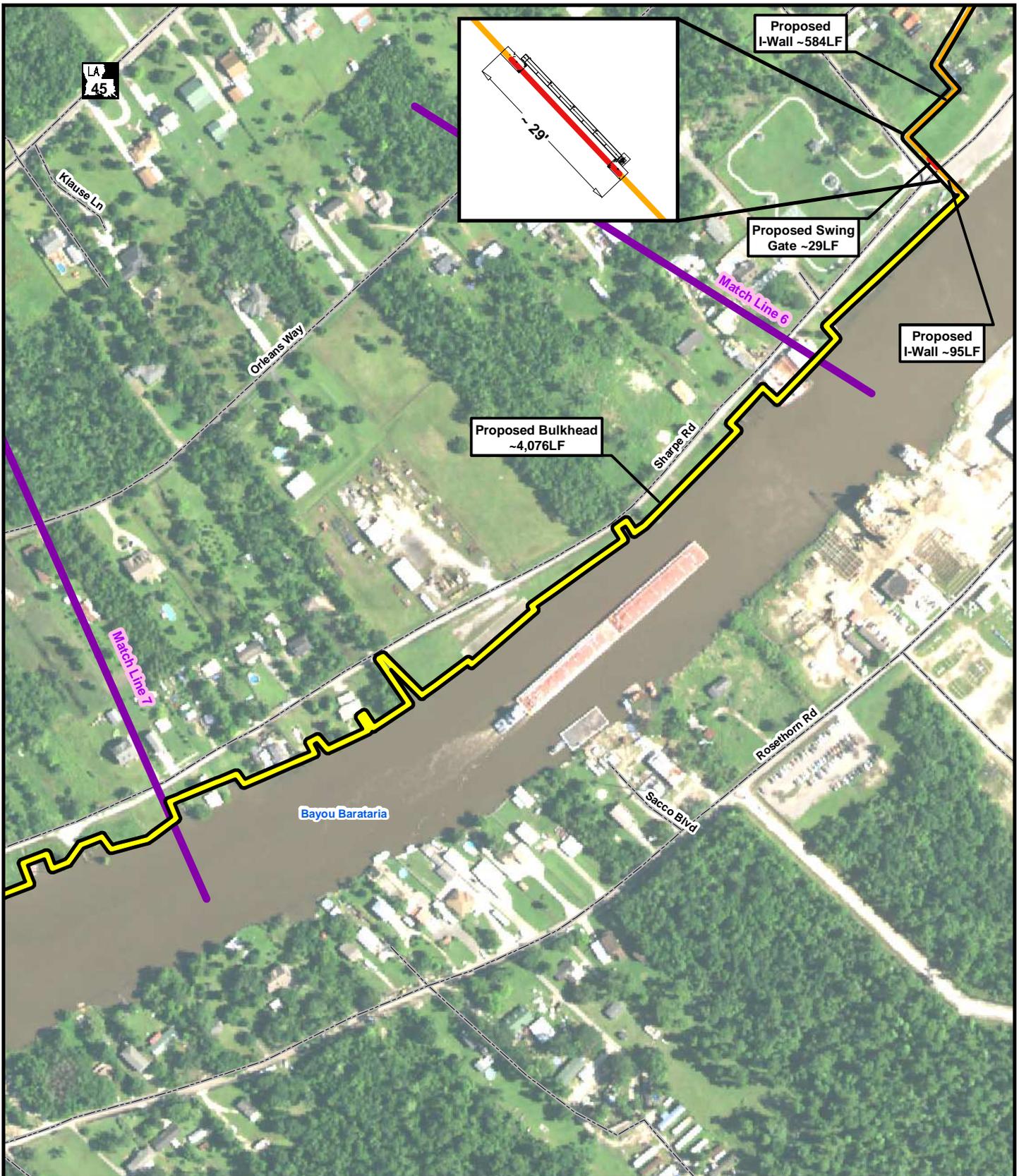
ROW	I-Wall	Match Line
Bulkhead	Knife Gate Valve	Roadway
Double Swing Gate	Sector Gate	
Earthen Levee	Swing Gate	

Figure 3.5: Plan View

**Crown Point Ring Levee**

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.

**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504



  
 environmental  
<http://elosenv.com/>  
 43177 East Pleasant Ridge Road  
 Hammond, Louisiana 70403  
 P. 985-662-5501, F. 985-662-5504

0 250 500 Feet 

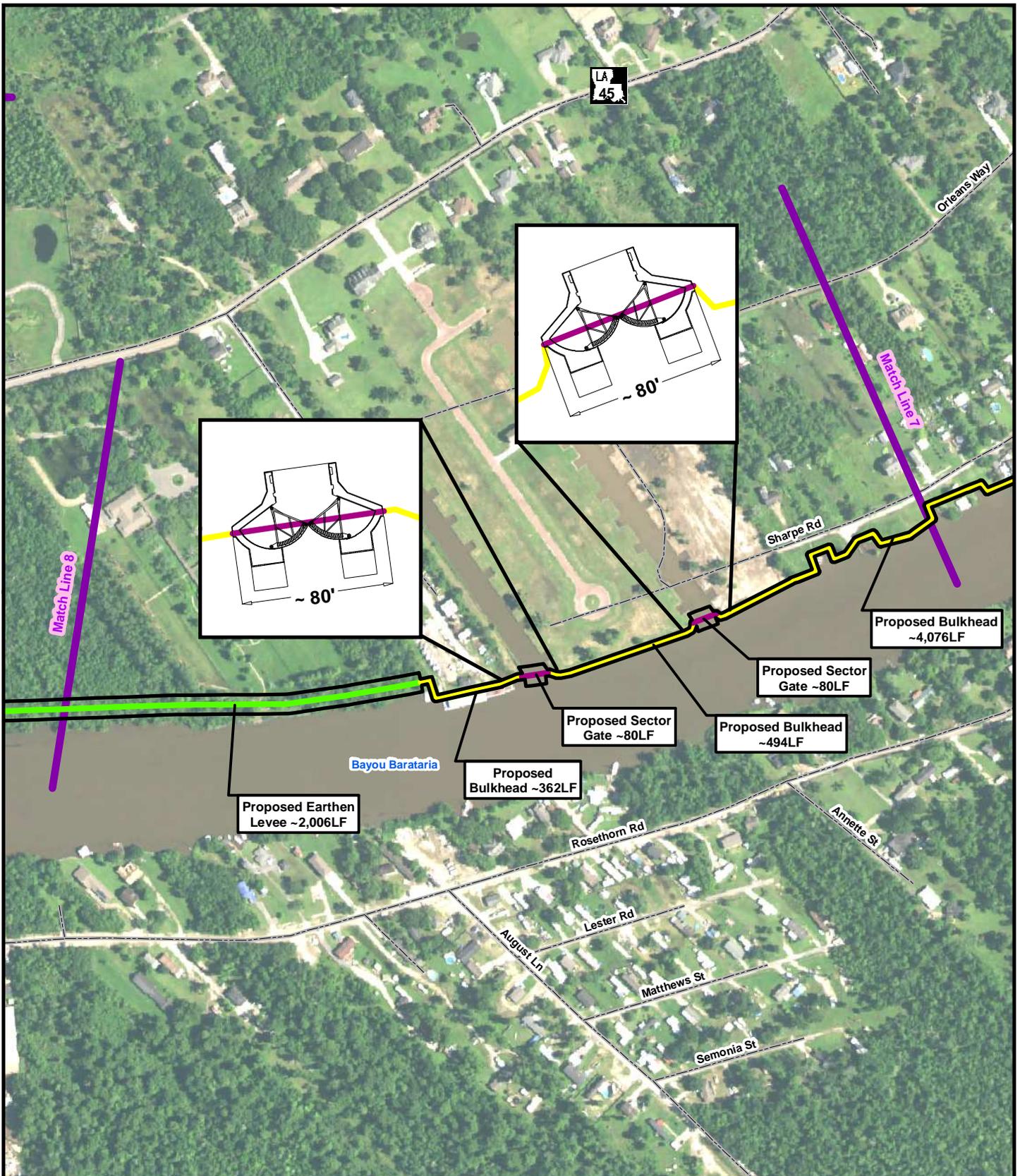
Figure 3.6: Plan View

**Crown Point Ring Levee**

**Legend:**

ROW	I-Wall	Match Line
Bulkhead	Knife Gate Valve	Roadway
Double Swing Gate	Sector Gate	
Earthen Levee	Swing Gate	

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

0 250 500 Feet

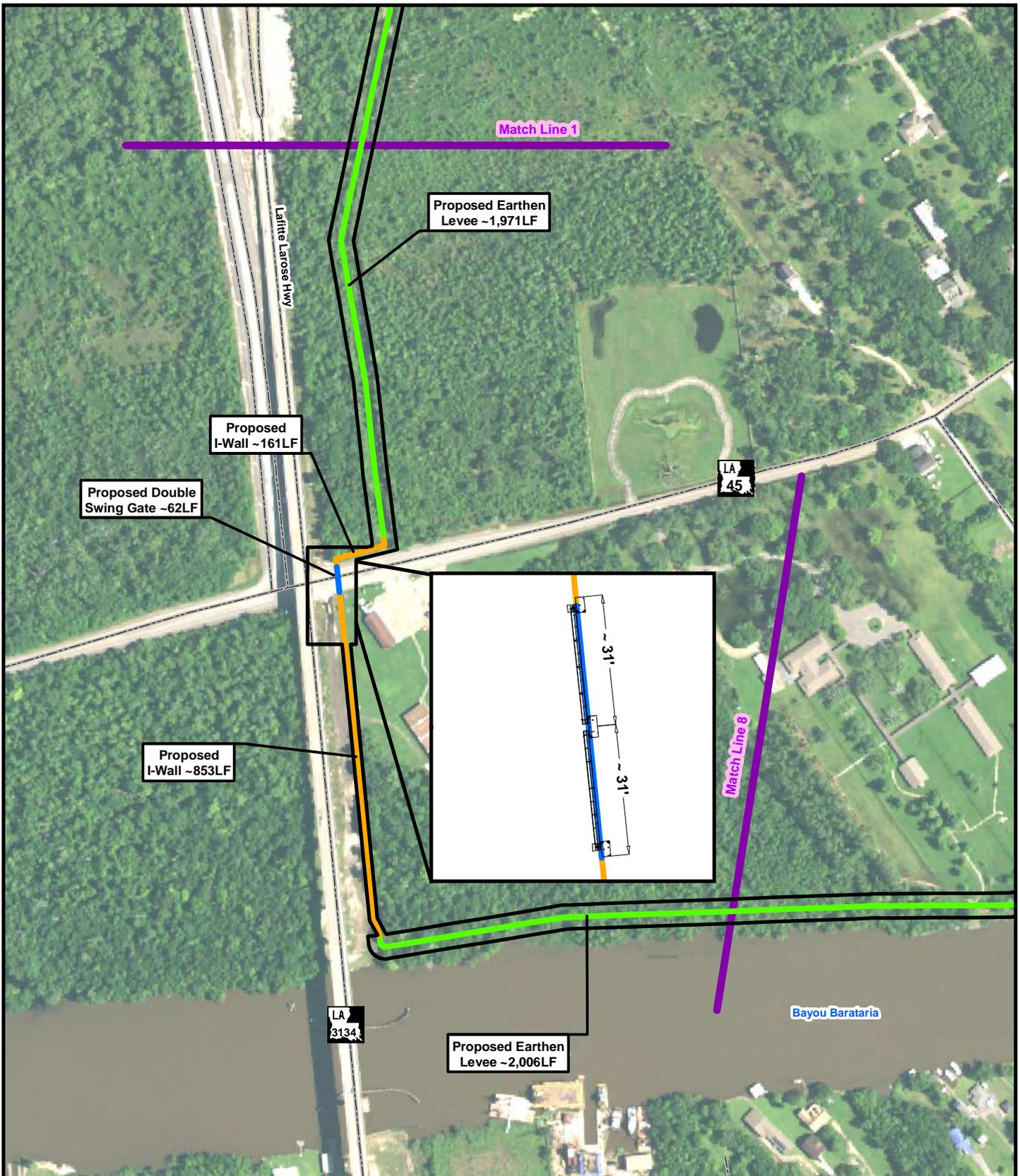
**Figure 3.7: Plan View**

**Crown Point Ring Levee**

**Legend:**

- ROW
- Bulkhead
- Double Swing Gate
- Earthen Levee
- I-Wall
- Knife Gate Valve
- Sector Gate
- Swing Gate
- Match Line
- Roadway

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**ELOS**  
 environmental  
<http://elosenv.com/>  
 43177 East Pleasant Ridge Road  
 Hammond, Louisiana 70403  
 P. 985-662-5501, F. 985-662-5504

0 250 500 Feet

**Figure 3.8: Plan View**

**Crown Point Ring Levee**

**Legend:**

ROW	I-Wall	Match Line
Bulkhead	Knife Gate Valve	Roadway
Double Swing Gate	Sector Gate	
Earthen Levee	Swing Gate	

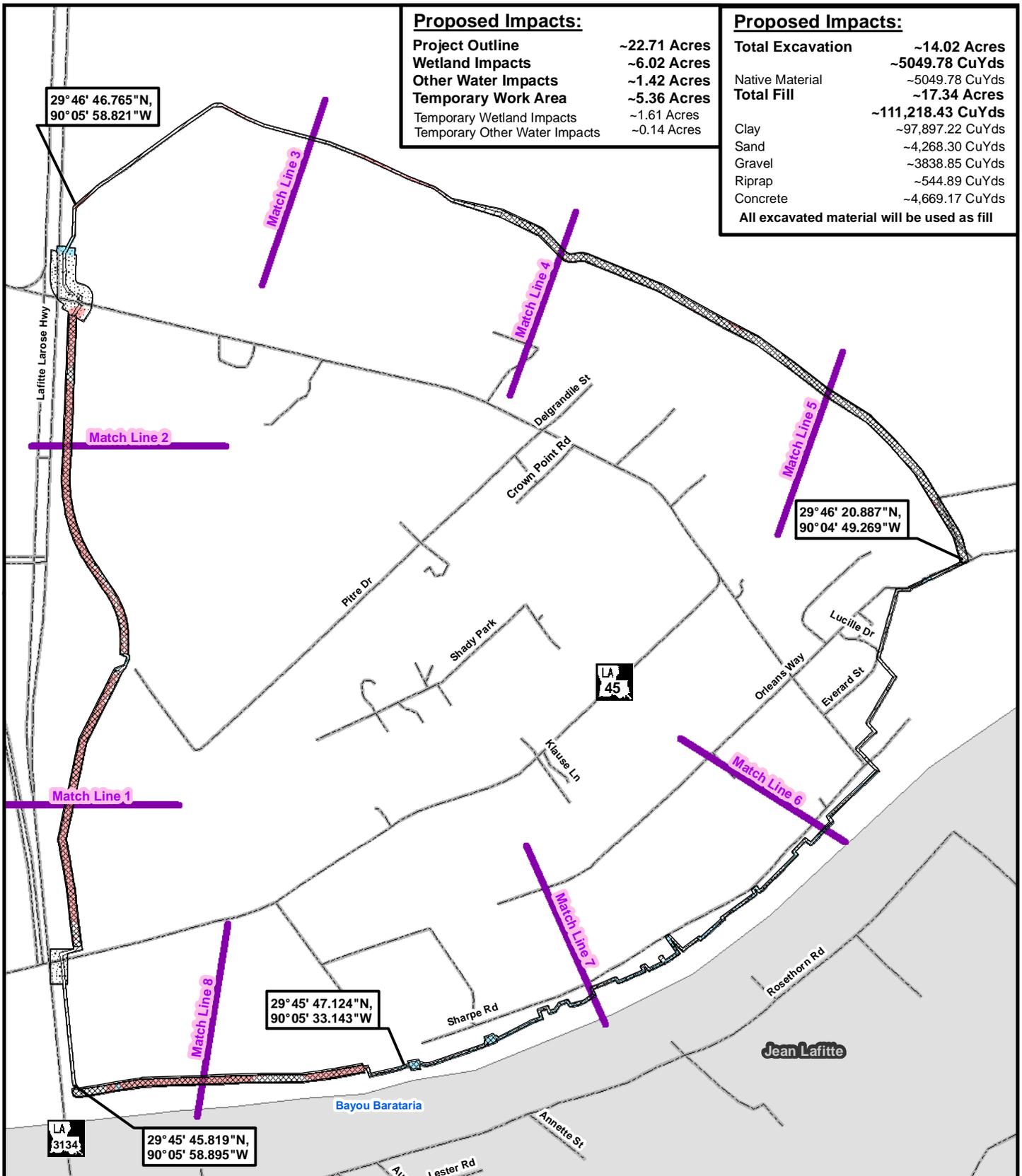
This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.

**Proposed Impacts:**

Project Outline	~22.71 Acres
Wetland Impacts	~6.02 Acres
Other Water Impacts	~1.42 Acres
Temporary Work Area	~5.36 Acres
Temporary Wetland Impacts	~1.61 Acres
Temporary Other Water Impacts	~0.14 Acres

**Proposed Impacts:**

Total Excavation	~14.02 Acres
	~5049.78 CuYds
Native Material	~5049.78 CuYds
Total Fill	~17.34 Acres
	~111,218.43 CuYds
Clay	~97,897.22 CuYds
Sand	~4,268.30 CuYds
Gravel	~3838.85 CuYds
Riprap	~544.89 CuYds
Concrete	~4,669.17 CuYds
All excavated material will be used as fill	



**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

0 600 1,200 Feet

**Figure 4: Proposed Impacts**

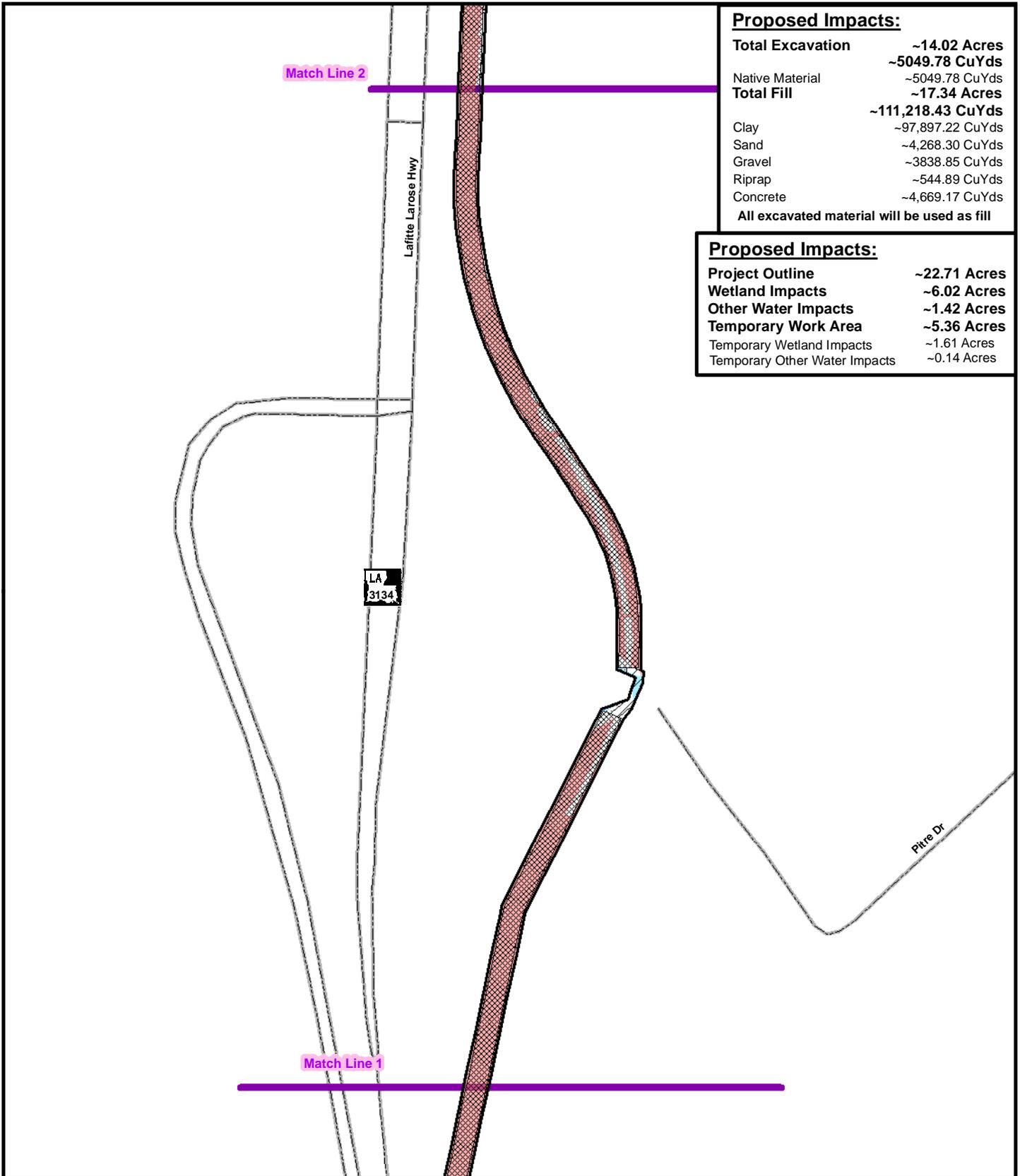
**Crown Point Ring Levee**

**Legend:**

ROW	Excavation and Fill Area	Roadway
Other Waters	Temporary Work Area	City/Town
Wetlands	Match Line	
Fill Area		

**Refer to JD (MVN-2017-00569-SD)**

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.

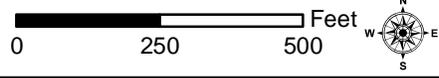


**Proposed Impacts:**

<b>Total Excavation</b>	~14.02 Acres
<b>Native Material</b>	~5049.78 CuYds
<b>Total Fill</b>	~17.34 Acres
	~111,218.43 CuYds
Clay	~97,897.22 CuYds
Sand	~4,268.30 CuYds
Gravel	~3838.85 CuYds
Riprap	~544.89 CuYds
Concrete	~4,669.17 CuYds
All excavated material will be used as fill	

**Proposed Impacts:**

<b>Project Outline</b>	~22.71 Acres
<b>Wetland Impacts</b>	~6.02 Acres
<b>Other Water Impacts</b>	~1.42 Acres
<b>Temporary Work Area</b>	~5.36 Acres
Temporary Wetland Impacts	~1.61 Acres
Temporary Other Water Impacts	~0.14 Acres



**Legend:**

- ROW
- Other Waters
- Wetlands
- Fill Area
- Excavation and Fill Area
- Temporary Work Area
- Match Line
- Roadway

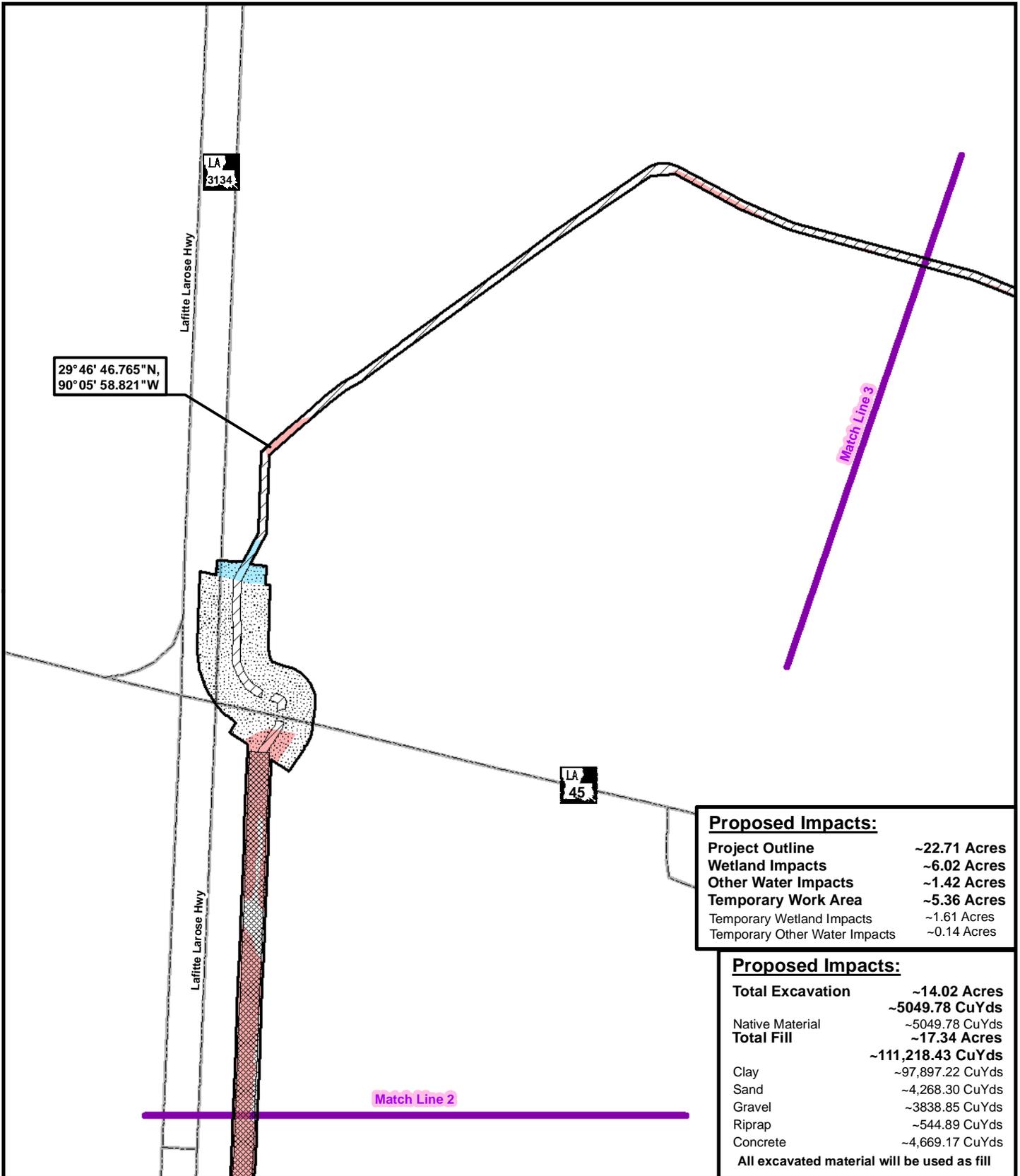
Figure 4.1: Proposed Impacts

**Crown Point Ring Levee**

Refer to JD (MVN-2017-00569-SD)

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.

**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504



**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

0 250 500 Feet

Figure 4.2: Proposed Impacts

**Crown Point Ring Levee**

**Legend:**

- ROW
- Other Waters
- Wetlands
- Fill Area
- Excavation and Fill Area
- Temporary Work Area
- Match Line
- Roadway

Refer to JD (MVN-2017-00569-SD)

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.

**Proposed Impacts:**

Project Outline	~22.71 Acres
Wetland Impacts	~6.02 Acres
Other Water Impacts	~1.42 Acres
Temporary Work Area	~5.36 Acres
Temporary Wetland Impacts	~1.61 Acres
Temporary Other Water Impacts	~0.14 Acres

**Proposed Impacts:**

Total Excavation	~14.02 Acres
	~5049.78 CuYds
Native Material	~5049.78 CuYds
Total Fill	~17.34 Acres
	~111,218.43 CuYds
Clay	~97,897.22 CuYds
Sand	~4,268.30 CuYds
Gravel	~3838.85 CuYds
Riprap	~544.89 CuYds
Concrete	~4,669.17 CuYds
All excavated material will be used as fill	



43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

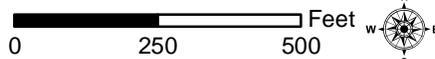


Figure 4.3: Proposed Impacts

**Crown Point Ring Levee**

**Legend:**

- ROW
- Other Waters
- Wetlands
- Fill Area
- Excavation and Fill Area
- Temporary Work Area
- Match Line
- Roadway

Refer to JD (MVN-2017-00569-SD)

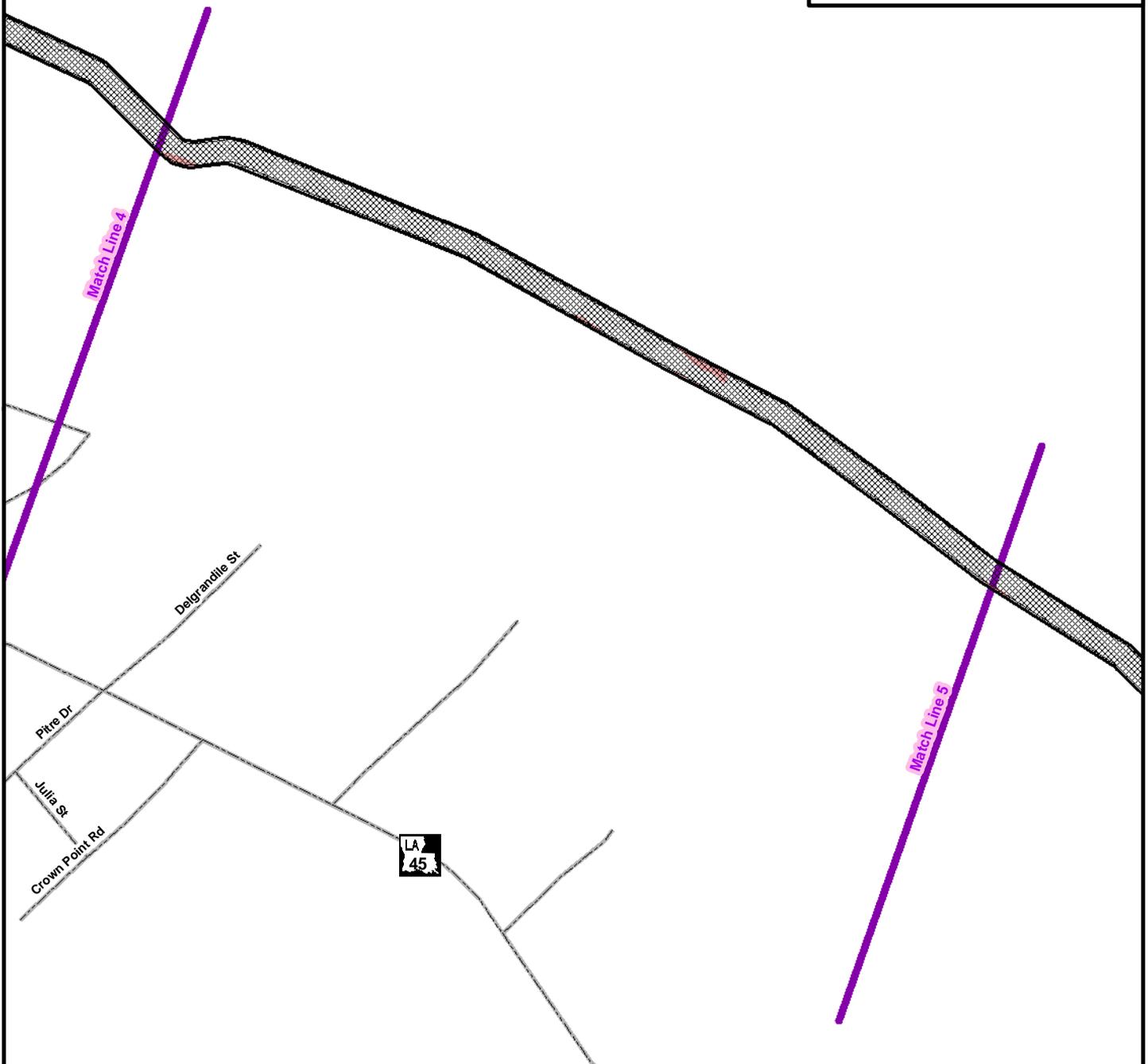
This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.

**Proposed Impacts:**

Project Outline	~22.71 Acres
Wetland Impacts	~6.02 Acres
Other Water Impacts	~1.42 Acres
Temporary Work Area	~5.36 Acres
Temporary Wetland Impacts	~1.61 Acres
Temporary Other Water Impacts	~0.14 Acres

**Proposed Impacts:**

Total Excavation	~14.02 Acres
	~5049.78 CuYds
Native Material	~5049.78 CuYds
Total Fill	~17.34 Acres
	~111,218.43 CuYds
Clay	~97,897.22 CuYds
Sand	~4,268.30 CuYds
Gravel	~3838.85 CuYds
Riprap	~544.89 CuYds
Concrete	~4,669.17 CuYds
All excavated material will be used as fill	



43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

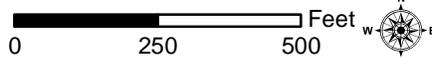


Figure 4.4: Proposed Impacts

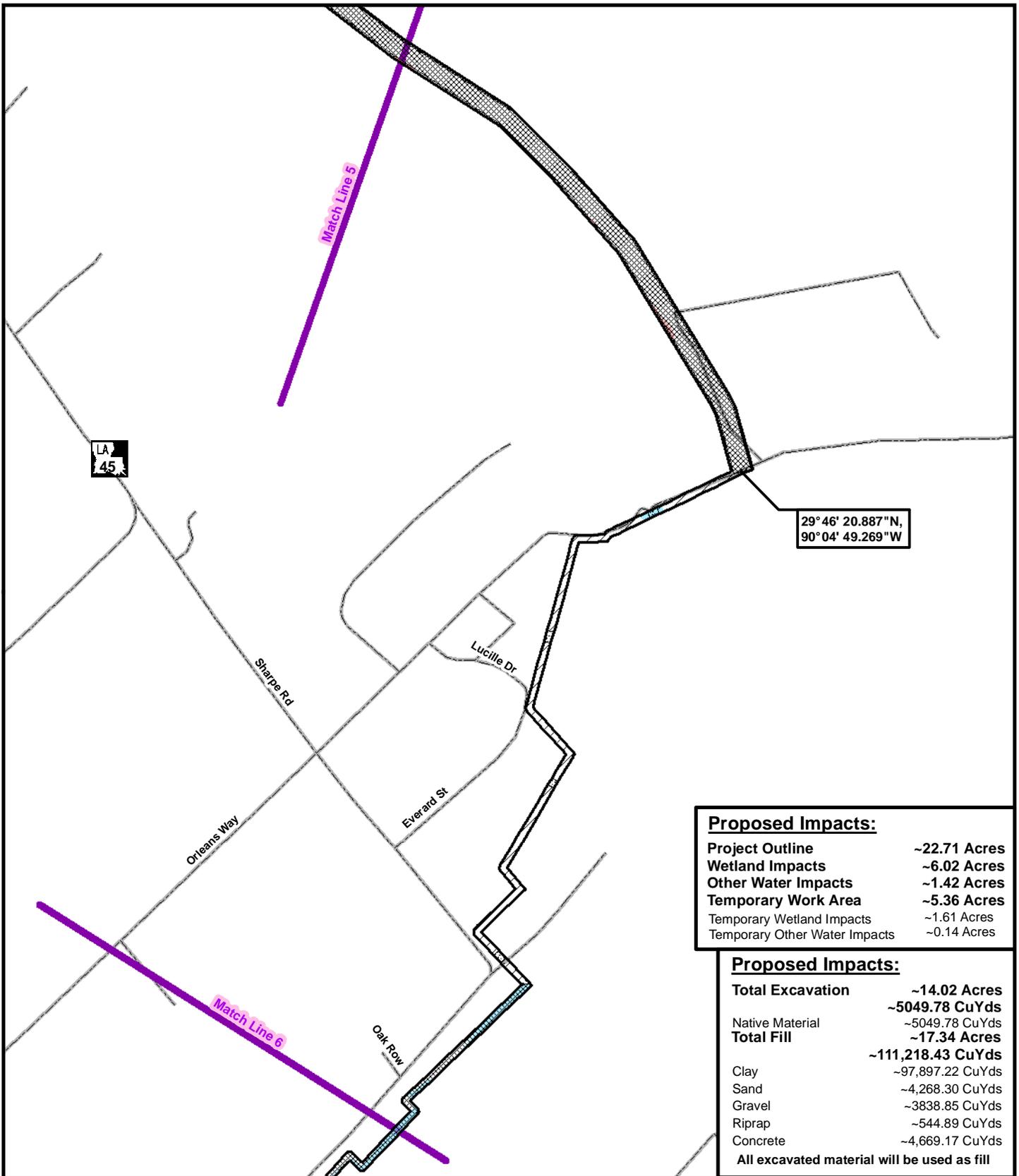
**Crown Point Ring Levee**

**Legend:**

- ROW
- Other Waters
- Wetlands
- Fill Area
- Excavation and Fill Area
- Temporary Work Area
- Match Line
- Roadway

Refer to JD (MVN-2017-00569-SD)

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504



**Legend:**

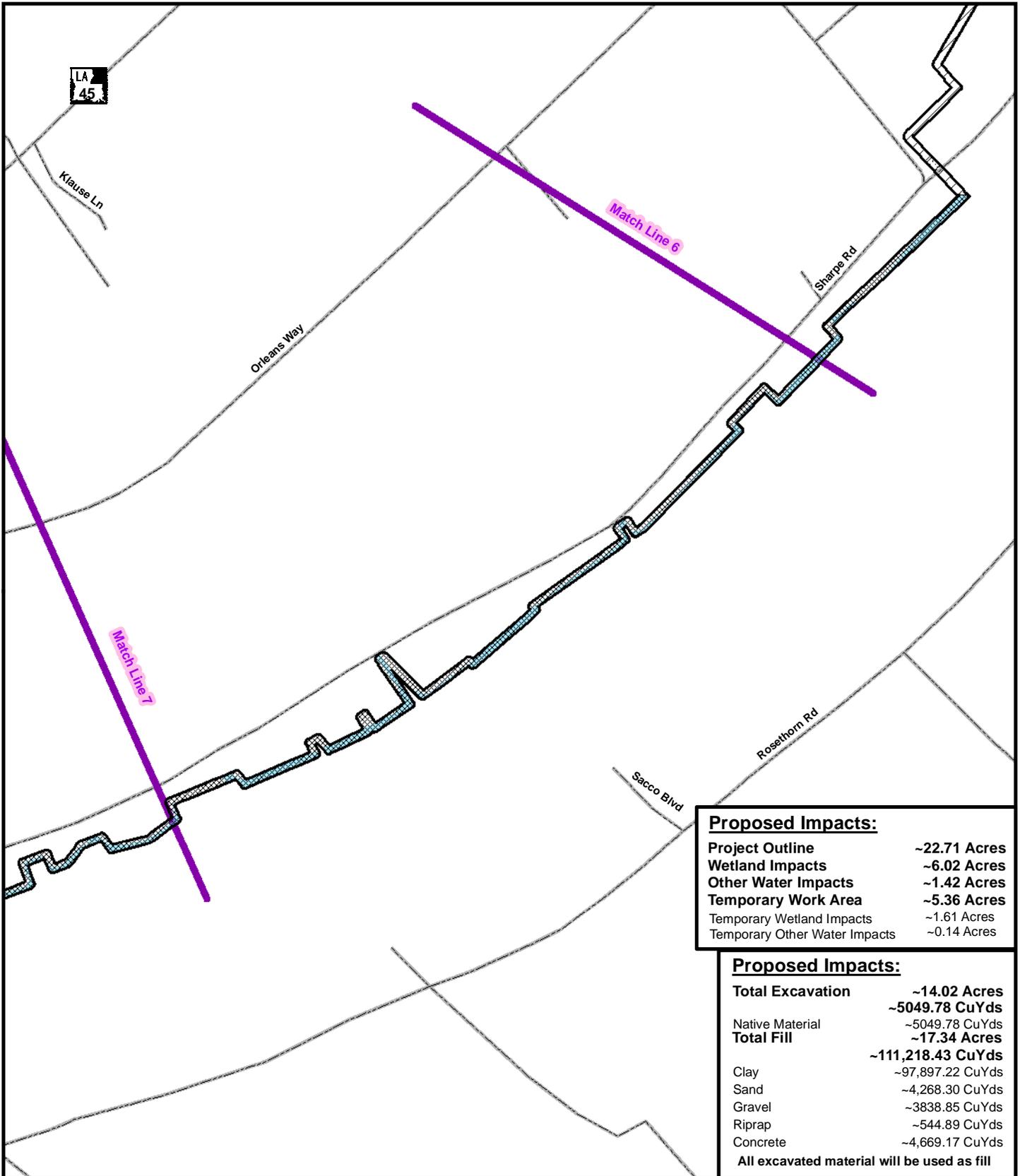
- ROW
- Other Waters
- Wetlands
- Fill Area
- Excavation and Fill Area
- Temporary Work Area
- Match Line
- Roadway

Figure 4.5: Proposed Impacts

**Crown Point Ring Levee**

Refer to JD (MVN-2017-00569-SD)

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



<b>Proposed Impacts:</b>	
Project Outline	~22.71 Acres
Wetland Impacts	~6.02 Acres
Other Water Impacts	~1.42 Acres
Temporary Work Area	~5.36 Acres
Temporary Wetland Impacts	~1.61 Acres
Temporary Other Water Impacts	~0.14 Acres

<b>Proposed Impacts:</b>	
<b>Total Excavation</b>	<b>~14.02 Acres</b>
	<b>~5049.78 CuYds</b>
Native Material	~5049.78 CuYds
<b>Total Fill</b>	<b>~17.34 Acres</b>
	<b>~111,218.43 CuYds</b>
Clay	~97,897.22 CuYds
Sand	~4,268.30 CuYds
Gravel	~3838.85 CuYds
Riprap	~544.89 CuYds
Concrete	~4,669.17 CuYds
<b>All excavated material will be used as fill</b>	

**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

0 250 500 Feet

Figure 4.6: Proposed Impacts

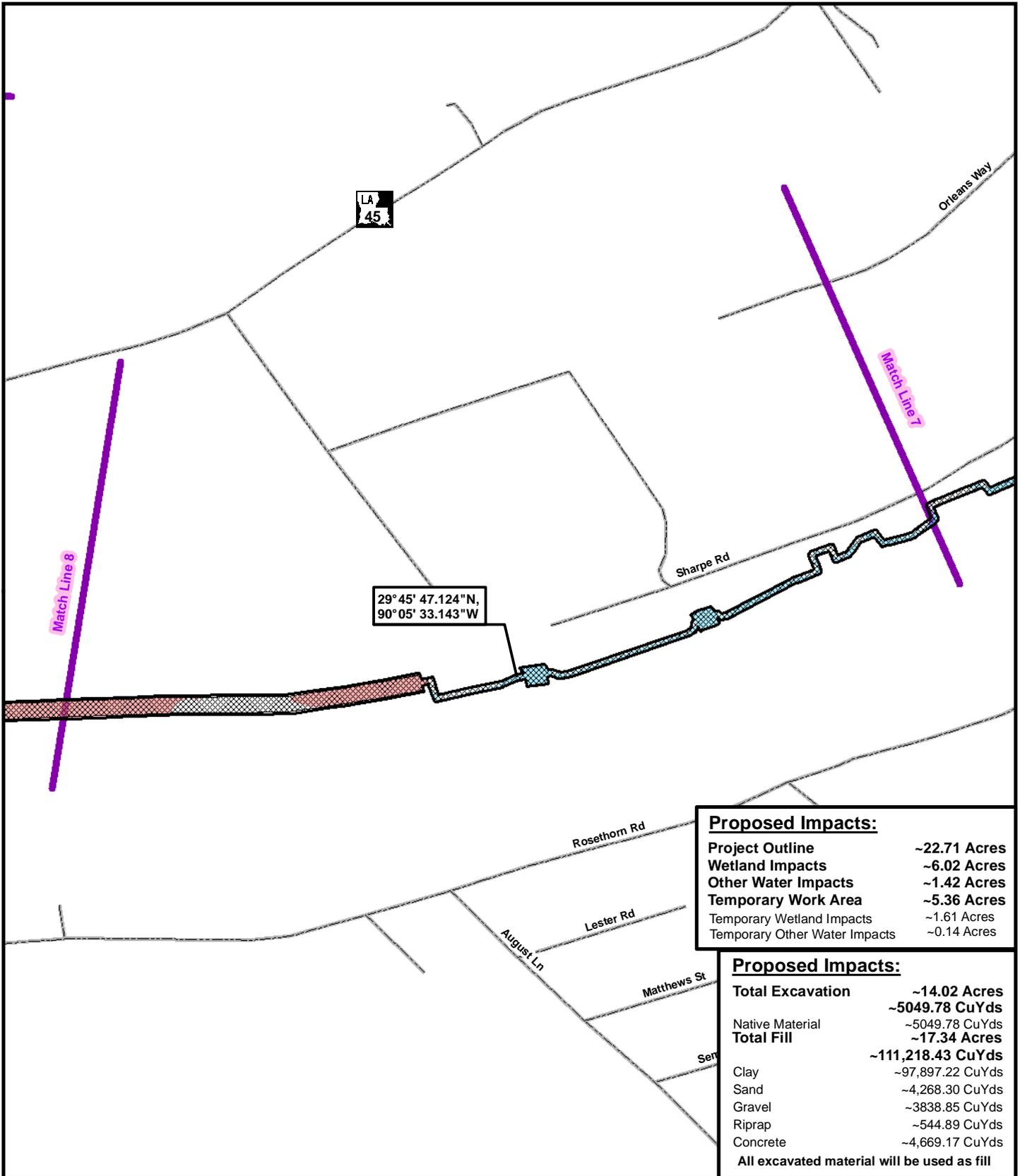
**Crown Point Ring Levee**

**Legend:**

ROW	Fill Area	Match Line
Other Waters	Excavation and Fill Area	Roadway
Wetlands	Temporary Work Area	

**Refer to JD (MVN-2017-00569-SD)**

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**Proposed Impacts:**

Project Outline	~22.71 Acres
Wetland Impacts	~6.02 Acres
Other Water Impacts	~1.42 Acres
Temporary Work Area	~5.36 Acres
Temporary Wetland Impacts	~1.61 Acres
Temporary Other Water Impacts	~0.14 Acres

**Proposed Impacts:**

Total Excavation	~14.02 Acres
Native Material	~5049.78 CuYds
Total Fill	~17.34 Acres
	~111,218.43 CuYds
Clay	~97,897.22 CuYds
Sand	~4,268.30 CuYds
Gravel	~3838.85 CuYds
Riprap	~544.89 CuYds
Concrete	~4,669.17 CuYds
All excavated material will be used as fill	

0 250 500 Feet

Figure 4.7: Proposed Impacts

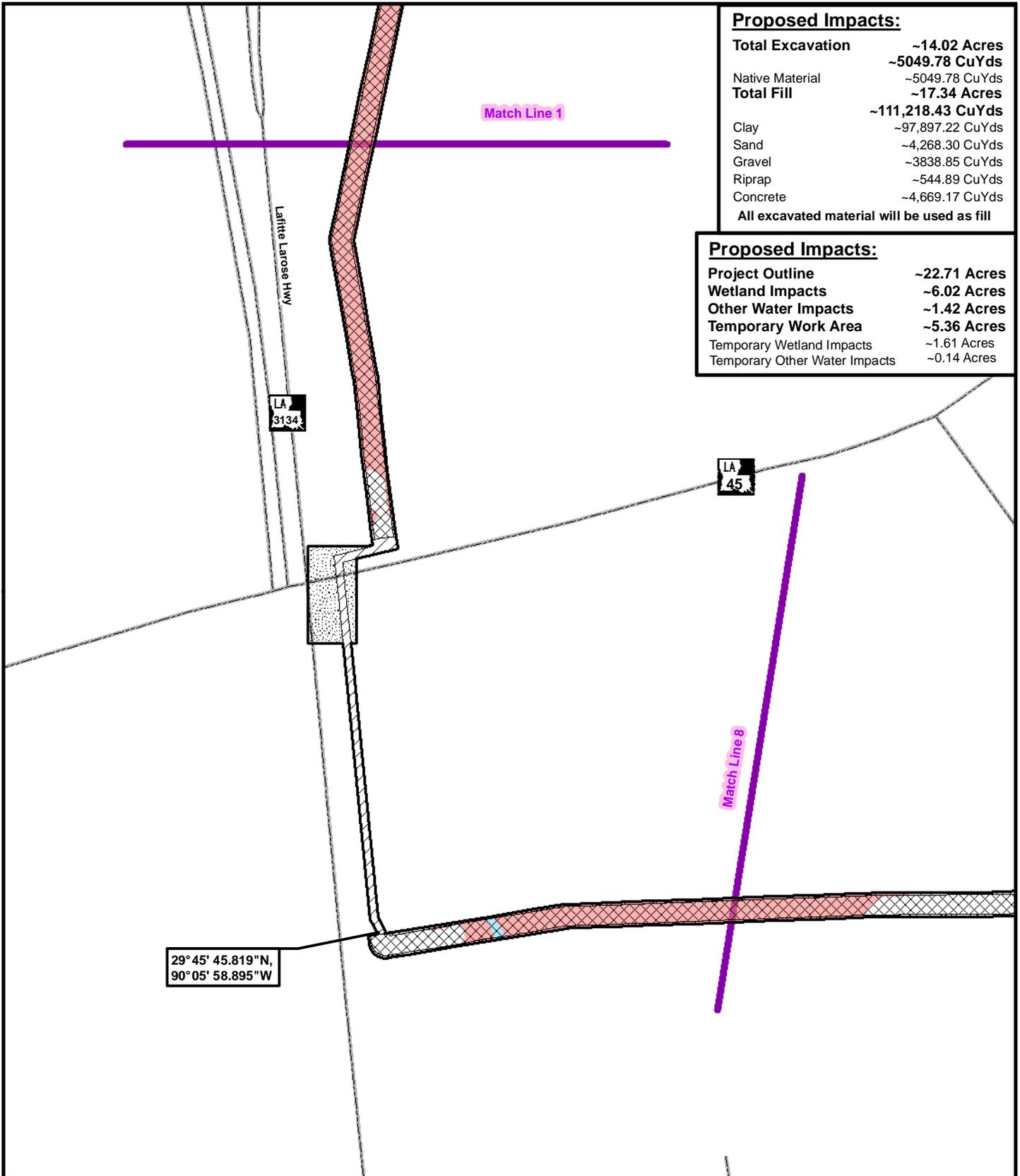
**Crown Point Ring Levee**

**Legend:**

ROW	Fill Area	Match Line
Other Waters	Excavation and Fill Area	Roadway
Wetlands	Temporary Work Area	

Refer to JD (MVN-2017-00569-SD)

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**Proposed Impacts:**

<b>Total Excavation</b>	~14.02 Acres
	~5049.78 CuYds
Native Material	~5049.78 CuYds
<b>Total Fill</b>	~17.34 Acres
	~111,218.43 CuYds
Clay	~97,897.22 CuYds
Sand	~4,268.30 CuYds
Gravel	~3838.85 CuYds
Riprap	~544.89 CuYds
Concrete	~4,669.17 CuYds
All excavated material will be used as fill	

**Proposed Impacts:**

<b>Project Outline</b>	~22.71 Acres
<b>Wetland Impacts</b>	~6.02 Acres
<b>Other Water Impacts</b>	~1.42 Acres
<b>Temporary Work Area</b>	~5.36 Acres
Temporary Wetland Impacts	~1.61 Acres
Temporary Other Water Impacts	~0.14 Acres

29° 45' 45.819" N,  
90° 05' 58.895" W

**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

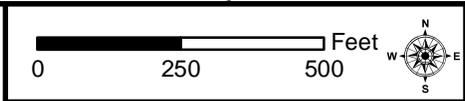


Figure 4.8: Proposed Impacts

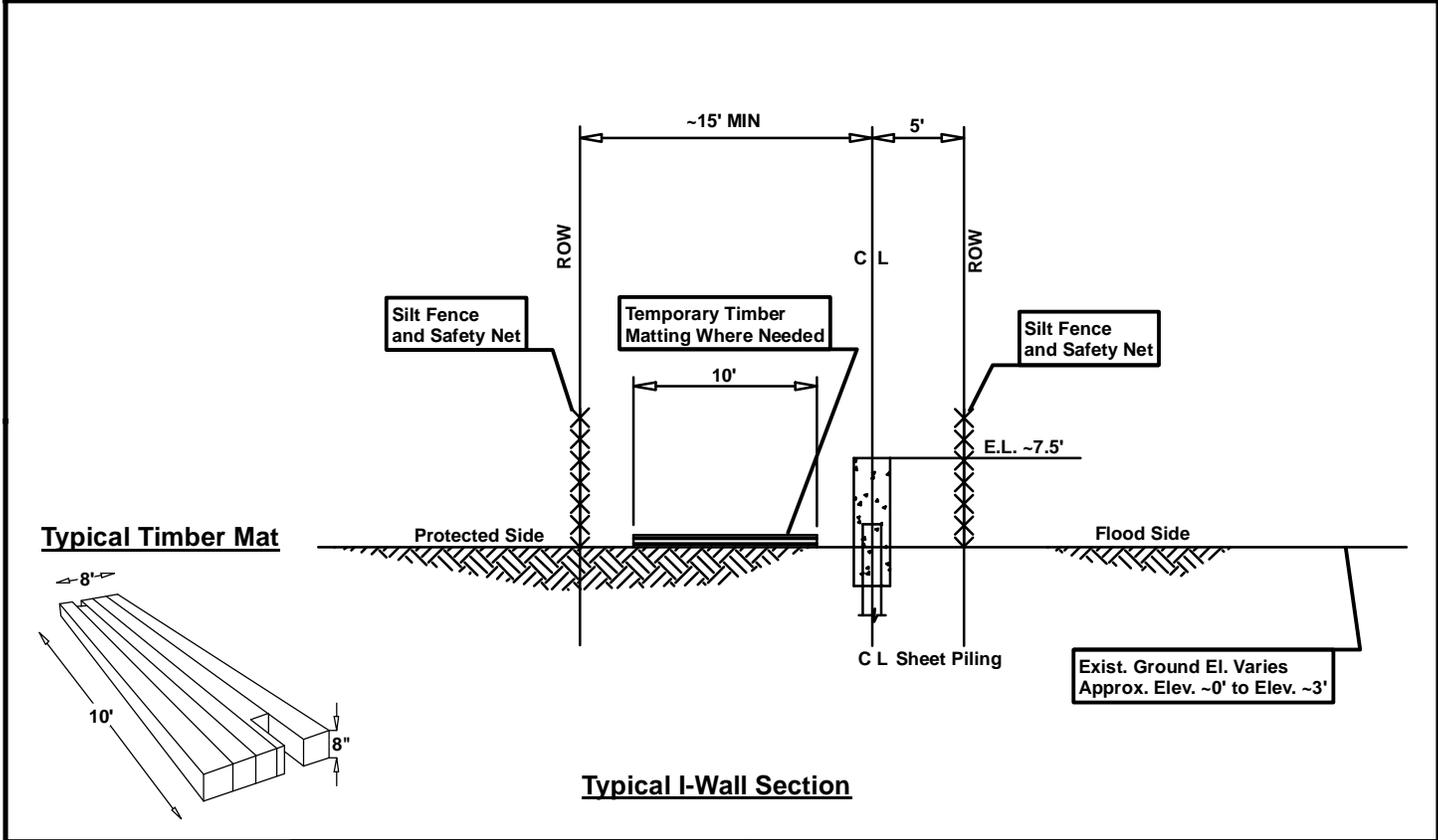
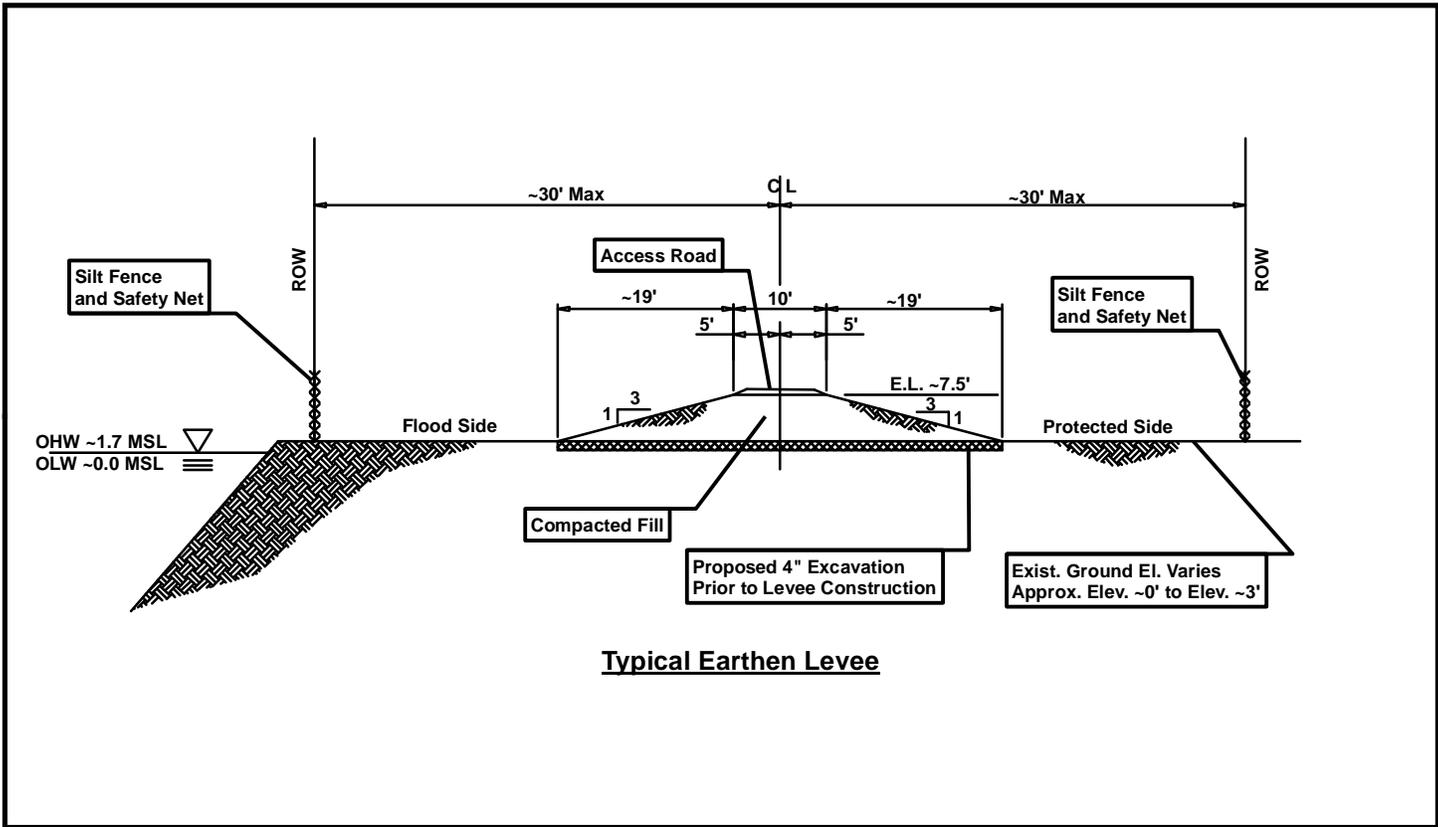
**Crown Point Ring Levee**

**Legend:**

ROW	Fill Area	Match Line
Other Waters	Excavation and Fill Area	Roadway
Wetlands	Temporary Work Area	

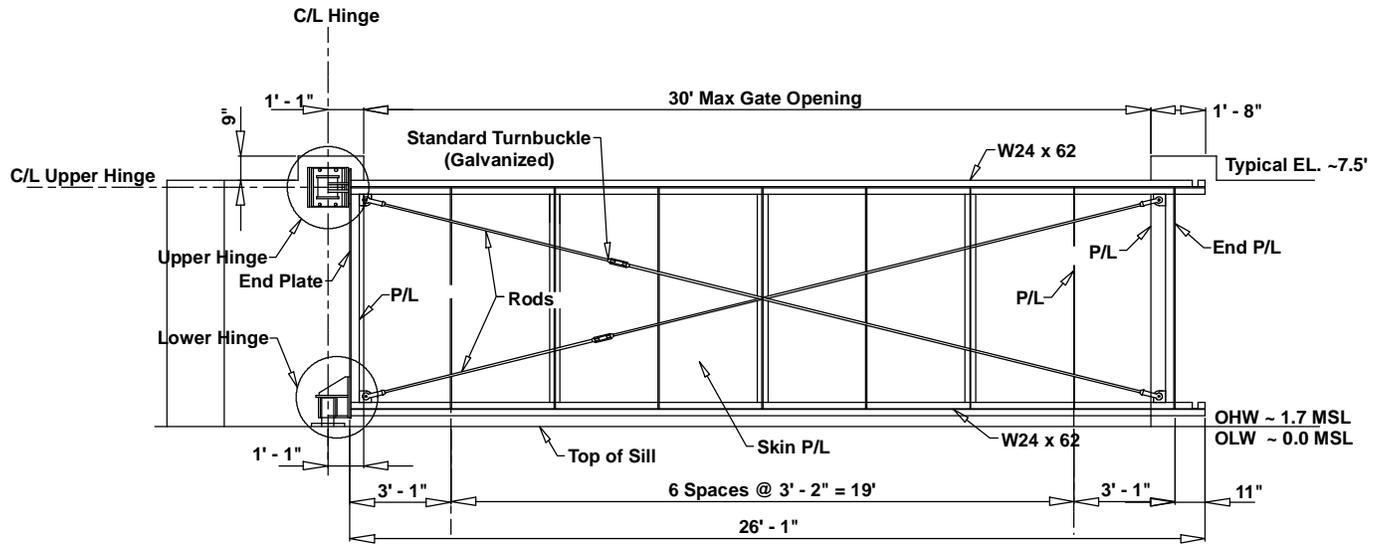
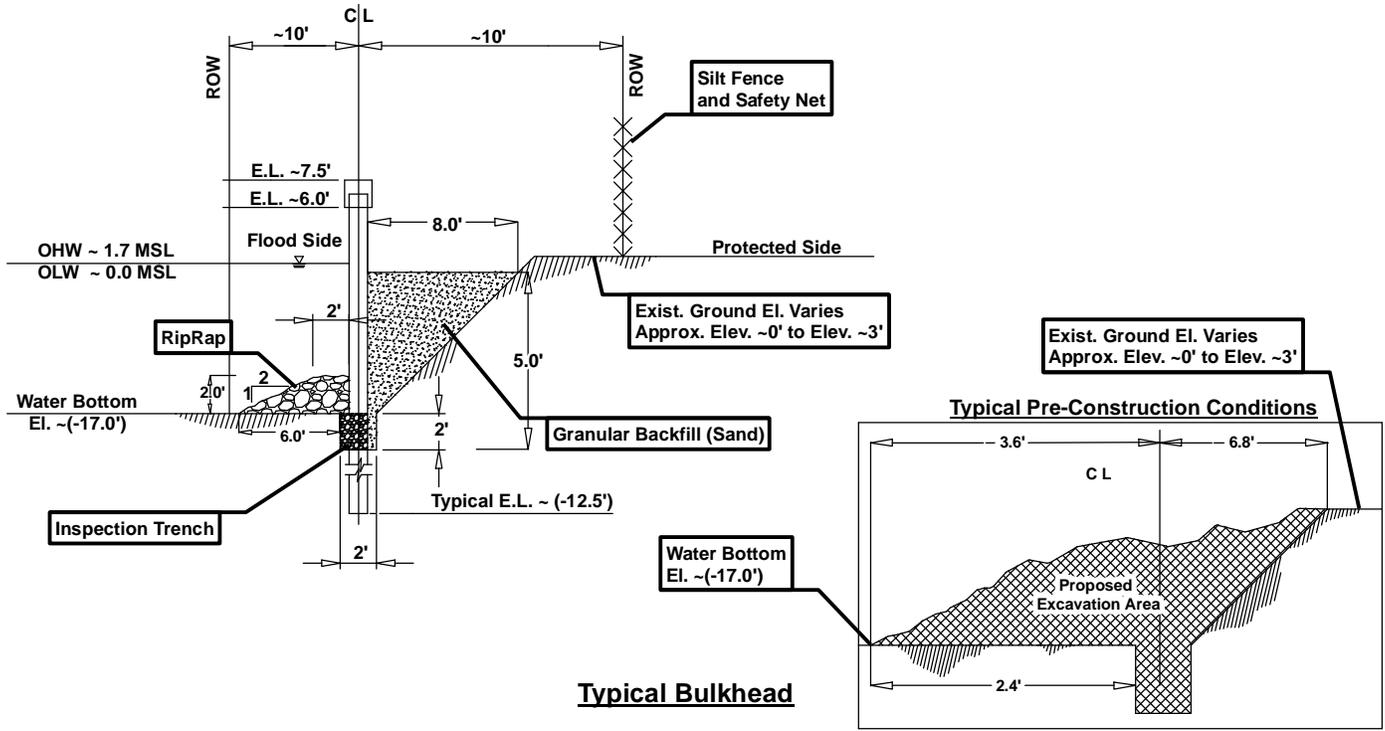
Refer to JD (MVN-2017-00569-SD)

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



 <p style="font-size: small;">43177 East Pleasant Ridge Road Hammond, Louisiana 70403 P. 985-662-5501, F. 985-662-5504</p>	<b>Scale = Not to Scale</b>	
	Figure 5: Typical Section	
	<b>Crown Point Ring Levee</b>	This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.

**Typical Post Construction Conditions**

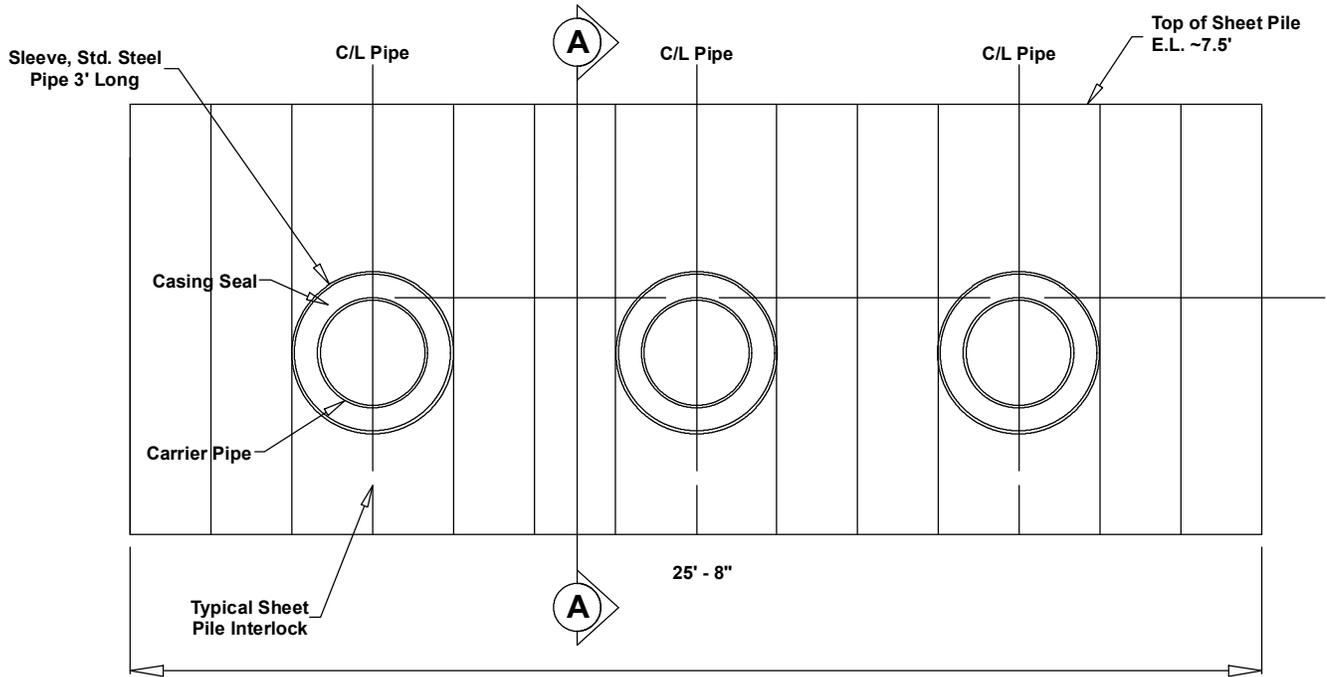


**Scale = Not to Scale**

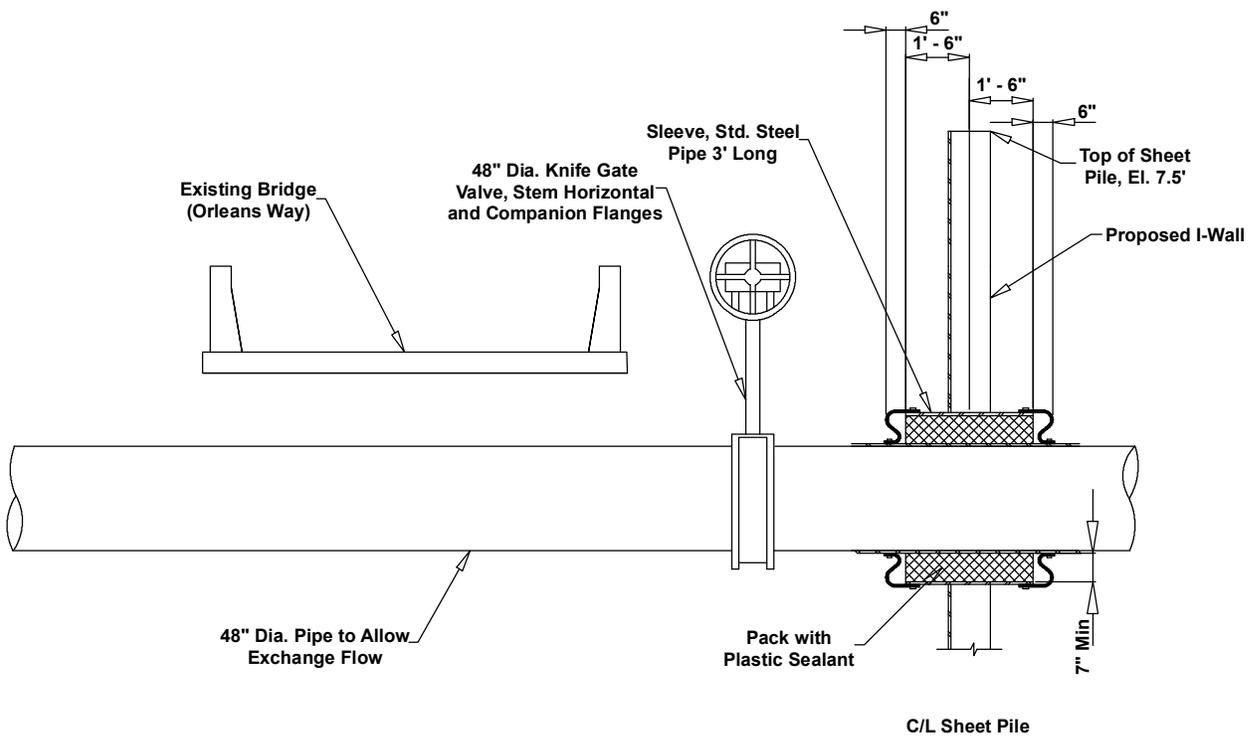
Figure 6: Typical Section

**Crown Point Ring Levee**

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**I-Wall with Knife Gate Profile View**



**Typical Knife Gate Valve (A)**



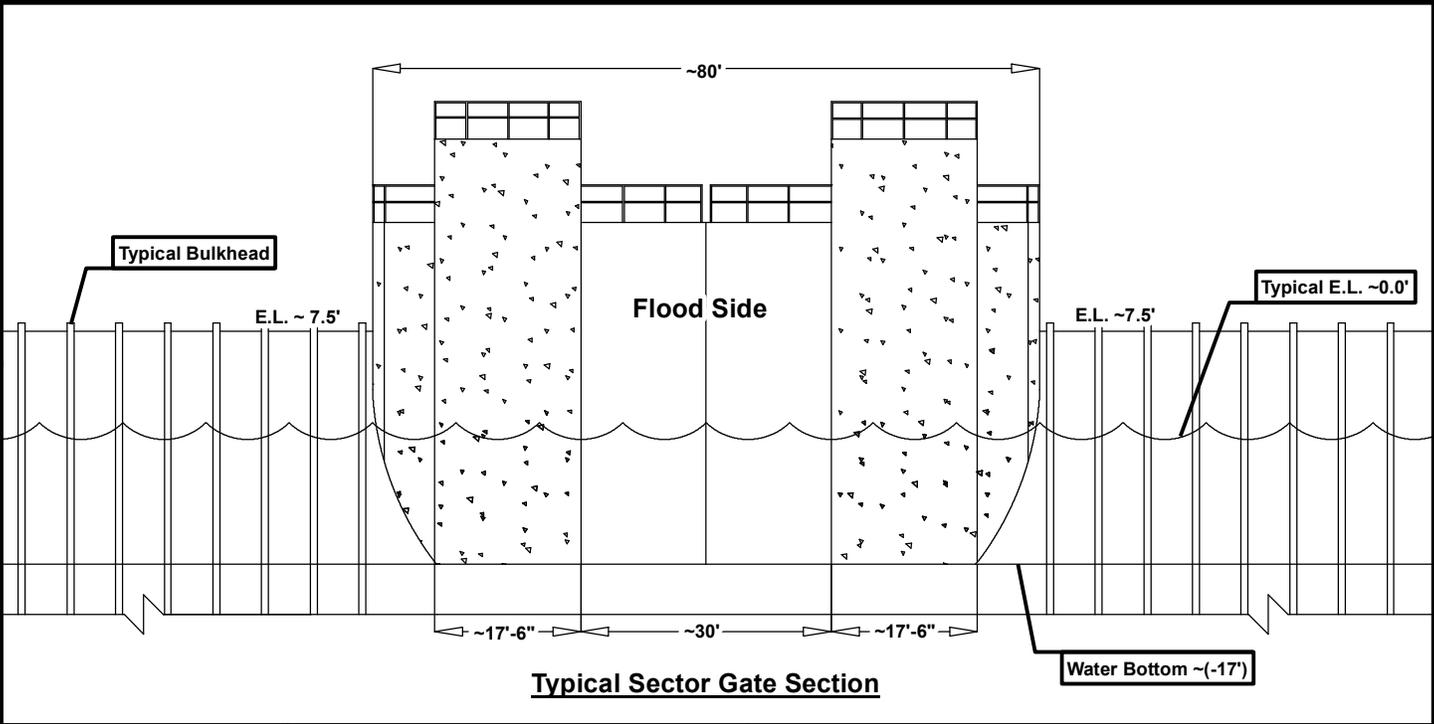
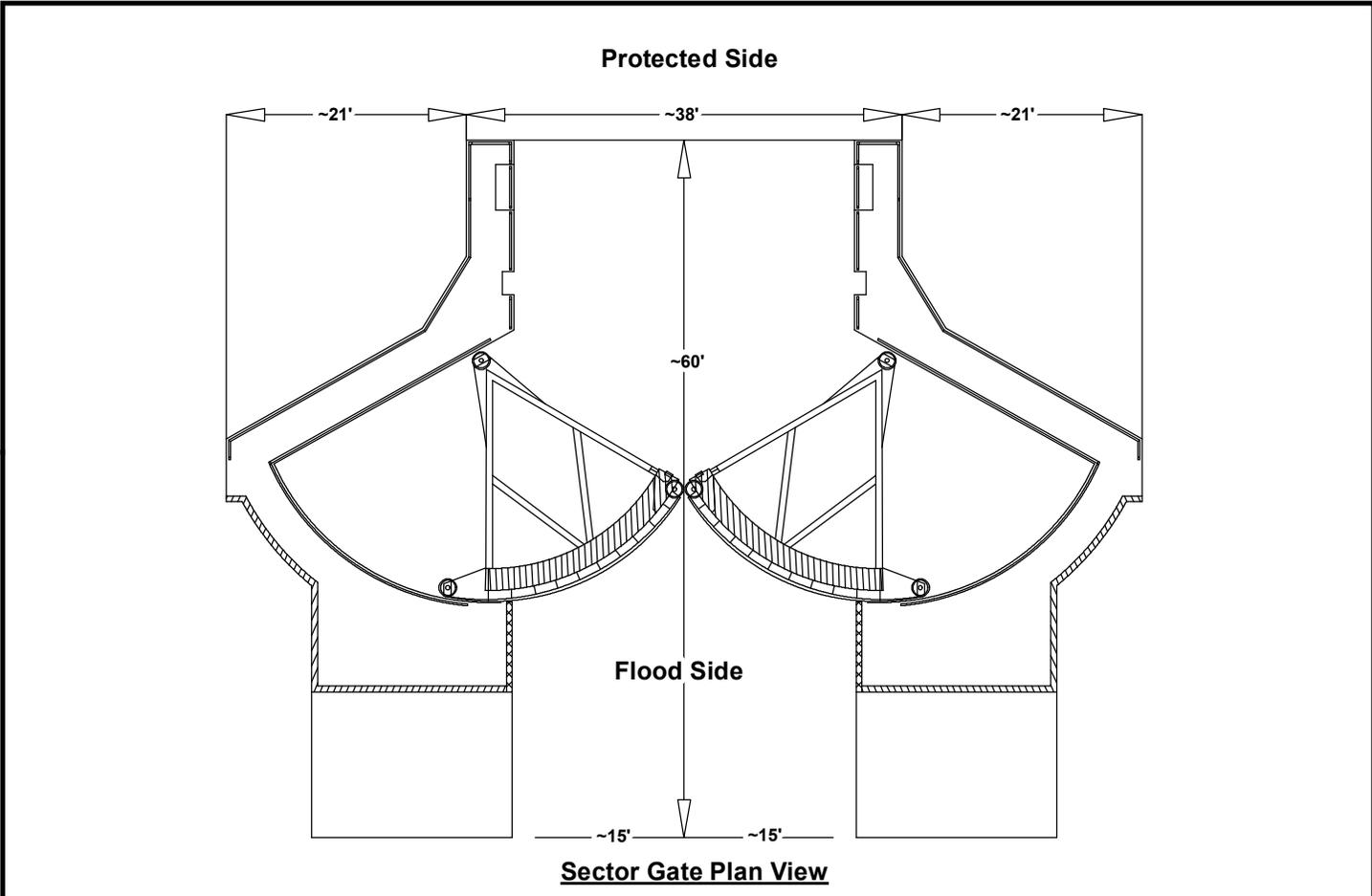
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

**Scale = Not to Scale**

**Figure 7: Typical Section**

**Crown Point Ring Levee**

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.



**ELOS**  
environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

**Scale = Not to Scale**

---

Figure 8: Typical Section

---

**Crown Point Ring Levee**

This figure was prepared utilizing public and proprietary data. It should not be used to establish any legal boundaries or specific locations. ELOS Environmental, L.L.C., is not responsible for any usage of this figure contrary to its original, intended purpose.